Full wwPDB NMR Structure Validation Report (i)

Mar 5, 2026 – 09:49 PM UTC

PDB ID	:	2LLT / pdb_00002llt
BMRB ID	:	18088
Title	:	Post-translational S-nitrosylation is an endogenous factor fine-tuning human S100A1 protein properties
Authors	:	Lenarcic Zivkovic, M.; Zareba-Koziol, M.; Zhukova, L.; Poznanski, J.; Zhukov, I.; Wyslouch-Cieszynska, A.
Deposited on	:	2011-11-17

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

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

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

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

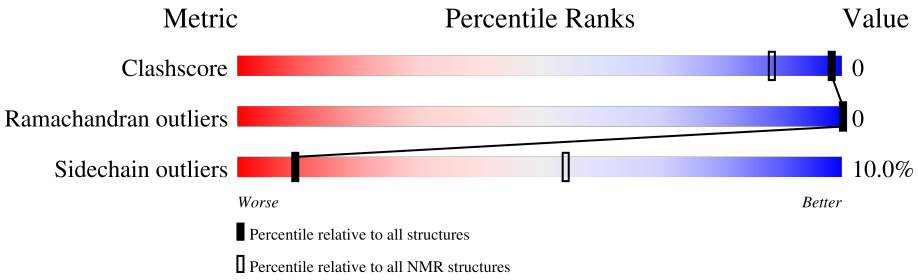
MolProbity	:	4-5-2 with Phenix2.0
Mogul	:	2022.3.0, CSD as543be (2022)
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal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

1 Overall quality at a glance (i)

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

The overall completeness of chemical shifts assignment is 44%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	93	77% 5% 17%
1	B	93	78% . 17%

2 Ensemble composition and analysis

This entry contains 20 models. Model 14 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	A:2-A:19, A:26-A:84, B:2-B:20, B:27-B:84 (154)	0.33	14

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

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

The models can be grouped into 3 clusters and 1 single-model cluster was found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 2878 atoms, of which 1410 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Protein S100-A1.

Mol	Chain	Residues	Atoms						Trace
1	A	93	Total	C	H	N	O	S	0
			1439	461	705	116	154	3	
1	B	93	Total	C	H	N	O	S	0
			1439	461	705	116	154	3	

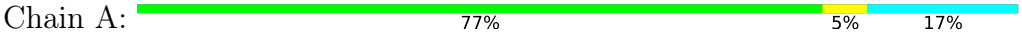
4 Residue-property plots

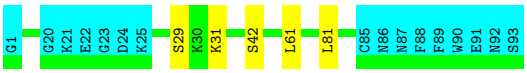
4.1 Average score per residue in the NMR ensemble

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

• Molecule 1: Protein S100-A1

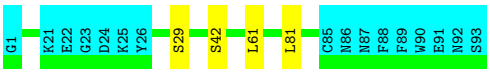
Chain A:





• Molecule 1: Protein S100-A1

Chain B:



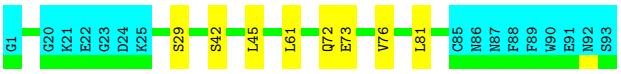
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: Protein S100-A1

Chain A:



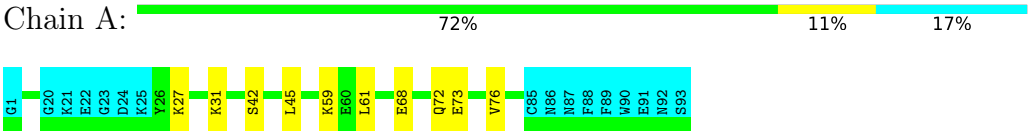
• Molecule 1: Protein S100-A1

Chain B:

4.2.2 Score per residue for model 2

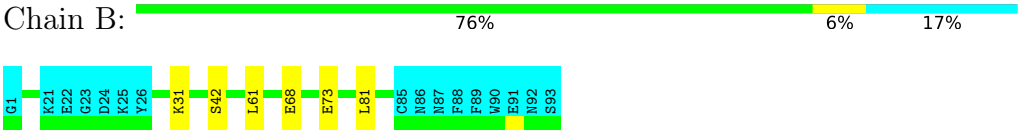
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

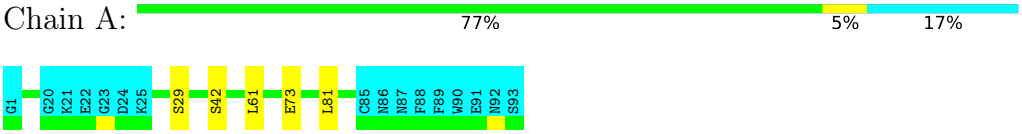
Chain B:



4.2.3 Score per residue for model 3

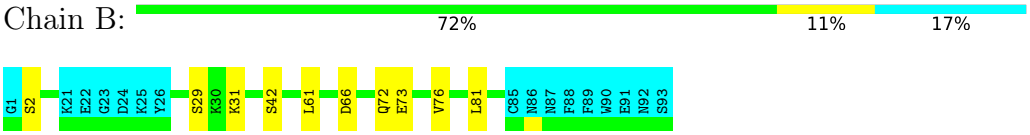
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

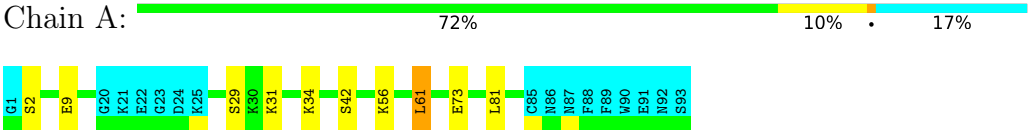
Chain B:



4.2.4 Score per residue for model 4

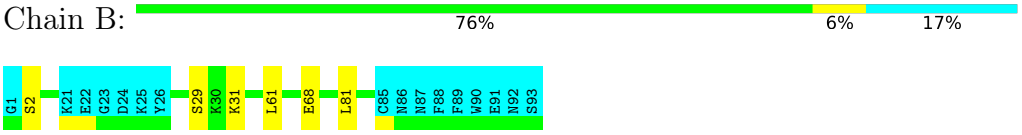
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

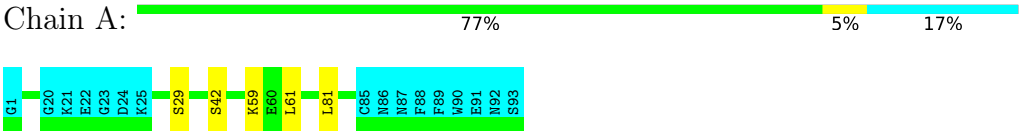
Chain B:



4.2.5 Score per residue for model 5

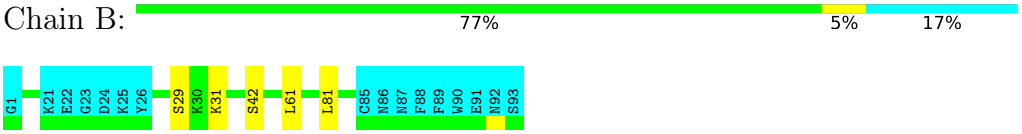
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

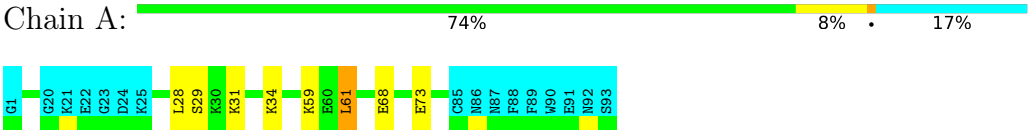
Chain B:



4.2.6 Score per residue for model 6

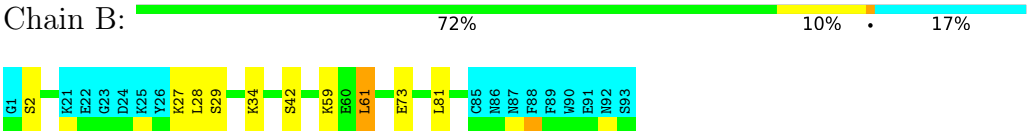
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

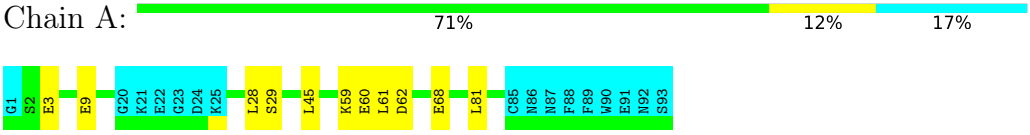
Chain B:



4.2.7 Score per residue for model 7

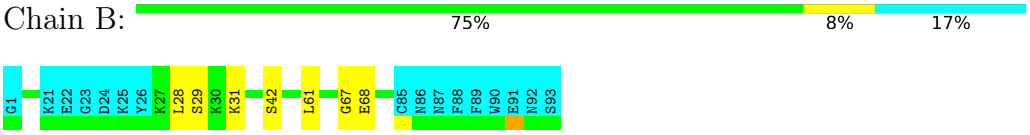
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

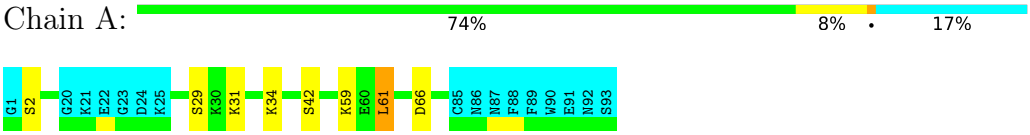
Chain B:



4.2.8 Score per residue for model 8

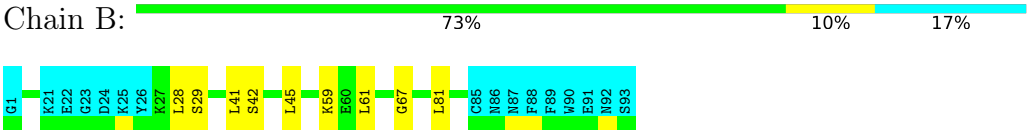
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

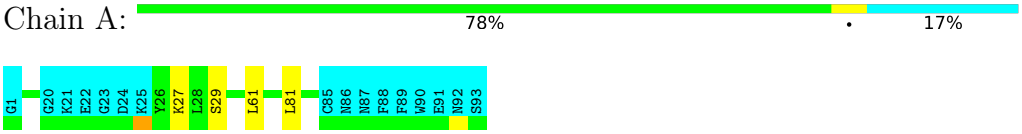
Chain B:



4.2.9 Score per residue for model 9

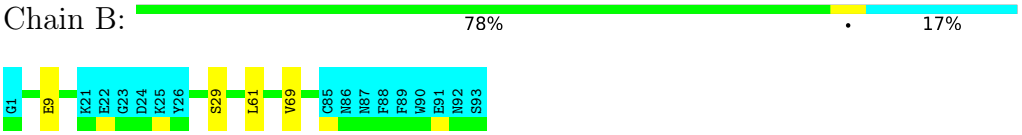
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

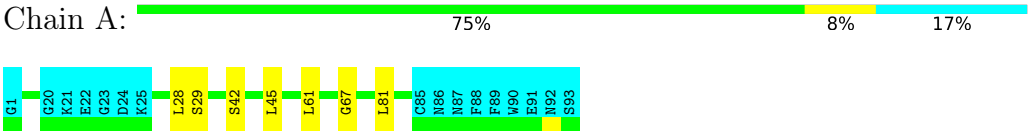
Chain B:



4.2.10 Score per residue for model 10

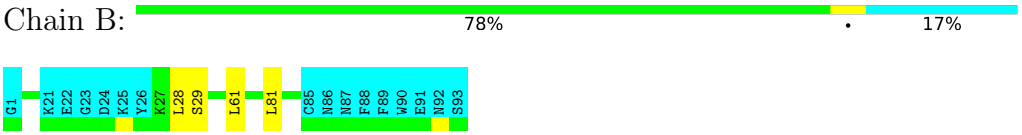
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

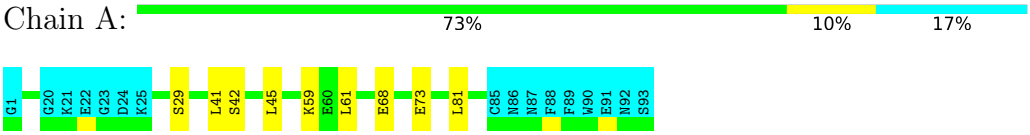
Chain B:



4.2.11 Score per residue for model 11

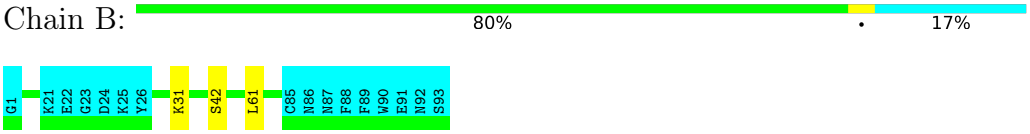
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

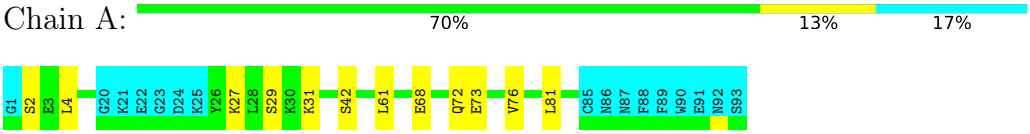
Chain B:



4.2.12 Score per residue for model 12

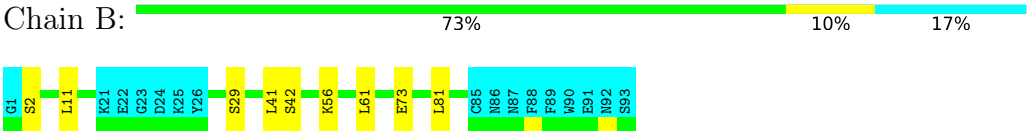
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

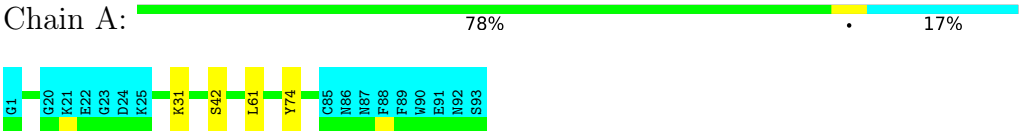
Chain B:



4.2.13 Score per residue for model 13

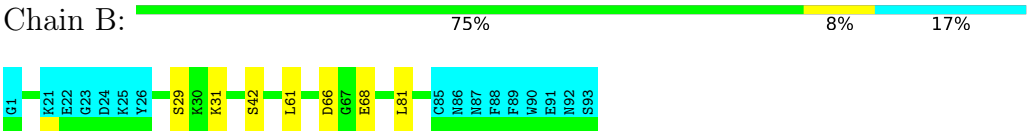
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

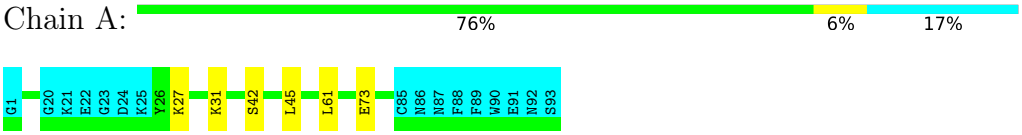
Chain B:



4.2.14 Score per residue for model 14 (medoid)

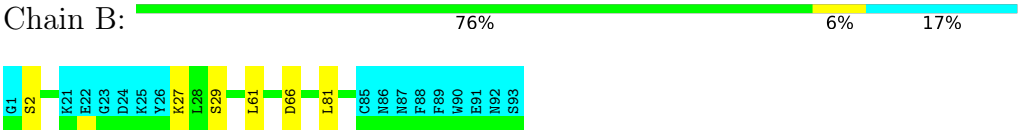
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

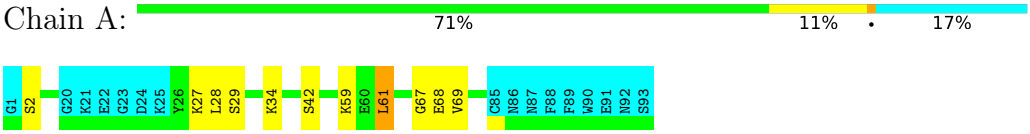
Chain B:



4.2.15 Score per residue for model 15

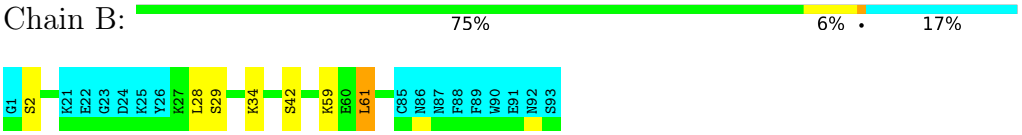
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

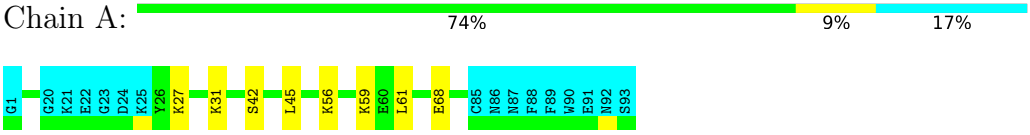
Chain B:



4.2.16 Score per residue for model 16

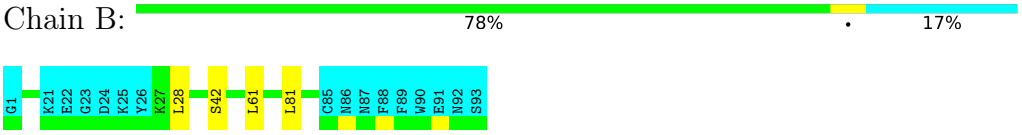
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

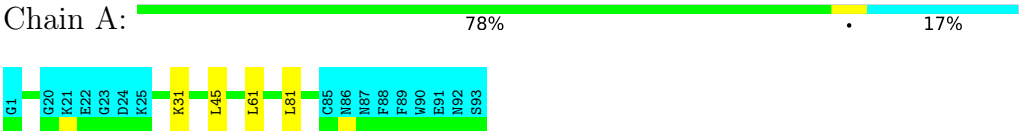
Chain B:



4.2.17 Score per residue for model 17

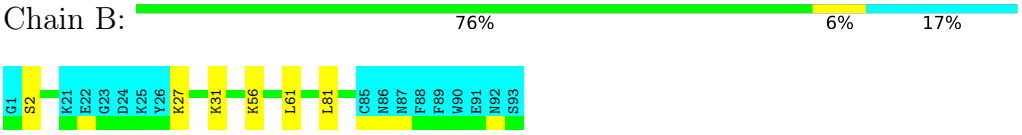
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

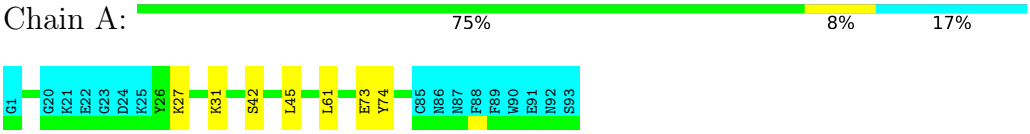
Chain B:



4.2.18 Score per residue for model 18

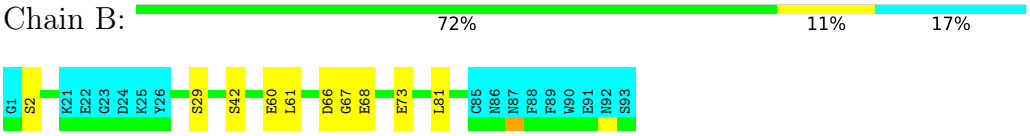
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

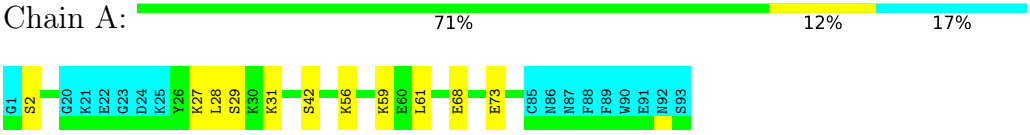
Chain B:



4.2.19 Score per residue for model 19

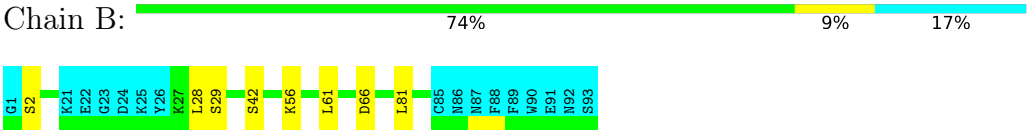
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

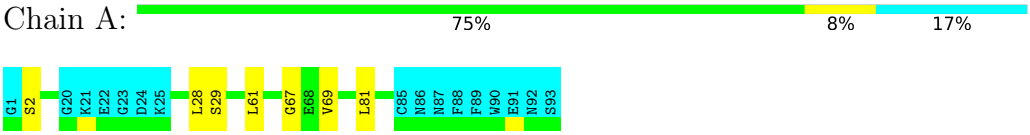
Chain B:



4.2.20 Score per residue for model 20

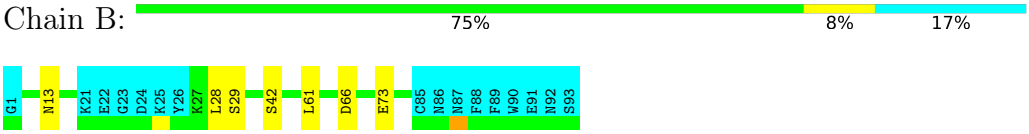
• Molecule 1: Protein S100-A1

Chain A:



• Molecule 1: Protein S100-A1

Chain B:



5 Refinement protocol and experimental data overview

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

Of the 200 calculated structures, 20 were deposited, based on the following criterion: *structures with the lowest energy.*

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

Software name	Classification	Version
CYANA	structure solution	3.0
X-PLOR NIH	structure solution	
X-PLOR NIH	refinement	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1073
Number of shifts mapped to atoms	1073
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	44%

6 Model quality

6.1 Standard geometry

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

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.73±0.02	0±0/609 (0.0± 0.0%)	0.88±0.02	0±0/821 (0.0± 0.0%)
1	B	0.74±0.03	0±0/600 (0.0± 0.0%)	0.89±0.02	0±0/808 (0.0± 0.0%)
All	All	0.74	1/24180 (0.0%)	0.89	6/32580 (0.0%)

All unique bond outliers are listed below.

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	B	13	ASN	CA-C	-5.78	1.45	1.52	20	1

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

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	67	GLY	N-CA-C	-7.20	102.71	112.57	10	3
1	B	67	GLY	N-CA-C	-5.86	102.24	112.55	8	3

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	603	597	597	0±1
1	B	595	591	591	0±0
All	All	23960	23760	23760	12

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 0.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:34:LYS:HB2	1:A:61:LEU:HD11	0.49	1.83	15	4
1:A:4:LEU:HD11	1:B:11:LEU:HD13	0.48	1.85	12	1
1:B:34:LYS:HB2	1:B:61:LEU:HD11	0.46	1.86	6	2
1:A:29:SER:HA	1:A:68:GLU:HA	0.42	1.91	19	1
1:A:72:GLN:O	1:A:76:VAL:HG23	0.42	2.15	2	3
1:B:72:GLN:O	1:B:76:VAL:HG23	0.40	2.16	3	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	77/93 (83%)	75±1 (97±1%)	2±1 (3±1%)	0±0 (0±0%)	100	100
1	B	77/93 (83%)	75±1 (98±1%)	2±1 (2±1%)	0±0 (0±0%)	100	100
All	All	3080/3720 (83%)	3001 (97%)	79 (3%)	0 (0%)	100	100

There are no Ramachandran outliers.

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	A	67/79 (85%)	60±2 (90±3%)	7±2 (10±3%)	9 53
1	B	66/79 (84%)	60±2 (90±3%)	6±2 (10±3%)	10 55
All	All	2660/3160 (84%)	2395 (90%)	265 (10%)	9 54

All 39 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	61	LEU	20
1	B	61	LEU	20
1	B	29	SER	16
1	A	42	SER	15
1	B	81	LEU	15
1	B	42	SER	14
1	A	29	SER	13
1	A	81	LEU	11
1	A	31	LYS	11
1	A	73	GLU	10
1	A	45	LEU	9
1	A	59	LYS	9
1	B	2	SER	9
1	A	27	LYS	8
1	B	31	LYS	8
1	B	28	LEU	8
1	B	73	GLU	7
1	A	68	GLU	7
1	B	68	GLU	6
1	B	66	ASP	6
1	A	2	SER	6
1	A	28	LEU	6
1	B	27	LYS	4
1	B	59	LYS	4
1	A	56	LYS	3
1	B	56	LYS	3
1	A	9	GLU	2
1	B	41	LEU	2
1	A	74	TYR	2
1	A	69	VAL	2
1	A	3	GLU	1
1	A	60	GLU	1
1	A	62	ASP	1
1	A	66	ASP	1

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Mol	Chain	Res	Type	Models (Total)
1	B	45	LEU	1
1	B	9	GLU	1
1	B	69	VAL	1
1	A	41	LEU	1
1	B	60	GLU	1

6.3.3 RNA (i)

There are no RNA molecules in this entry.

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

2 non-standard protein/DNA/RNA residues are modelled in this entry.

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

Mol	Type	Chain	Res	Link	Bond lengths		
					Counts	RMSZ	#Z>2
1	SNC	B	85	1	4,7,8	0.50±0.16	0±0 (0±0%)
1	SNC	A	85	1	4,7,8	0.49±0.12	0±0 (0±0%)

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

Mol	Type	Chain	Res	Link	Bond angles		
					Counts	RMSZ	#Z>2
1	SNC	B	85	1	2,7,9	1.03±0.42	0±0 (10±20%)
1	SNC	A	85	1	2,7,9	0.88±0.45	0±0 (5±15%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the chemical

component dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	SNC	B	85	1	-	0±0,0,6,8	-
1	SNC	A	85	1	-	0±0,0,6,8	-

There are no bond-length outliers.

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

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	B	85	SNC	CA-CB-SG	2.42	106.95	112.49	4	4
1	A	85	SNC	CA-CB-SG	2.34	107.14	112.49	15	2

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

6.5 Carbohydrates (i)

There are no oligosaccharides in this entry.

6.6 Ligand geometry (i)

There are no ligands in this entry.

6.7 Other polymers (i)

There are no such molecules in this entry.

6.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 44% for the well-defined parts and 44% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	1073
Number of shifts mapped to atoms	1073
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	4

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	92	-0.27 ± 0.16	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	86	0.21 ± 0.10	None needed (< 0.5 ppm)
$^{13}C'$	0	—	None (insufficient data)
^{15}N	90	0.34 ± 0.22	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 44%, i.e. 909 atoms were assigned a chemical shift out of a possible 2057. 0 out of 40 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	309/777 (40%)	156/315 (50%)	77/308 (25%)	76/154 (49%)
Sidechain	546/1165 (47%)	374/758 (49%)	167/383 (44%)	5/24 (21%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	54/115 (47%)	27/58 (47%)	27/53 (51%)	0/4 (0%)
Overall	909/2057 (44%)	557/1131 (49%)	271/744 (36%)	81/182 (45%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 44%, i.e. 1071 atoms were assigned a chemical shift out of a possible 2442. 0 out of 40 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	370/932 (40%)	188/380 (49%)	92/368 (25%)	90/184 (49%)
Sidechain	615/1322 (47%)	420/852 (49%)	187/436 (43%)	8/34 (24%)
Aromatic	86/188 (46%)	43/94 (46%)	42/88 (48%)	1/6 (17%)
Overall	1071/2442 (44%)	651/1326 (49%)	321/892 (36%)	99/224 (44%)

7.1.4 Statistically unusual chemical shifts (i)

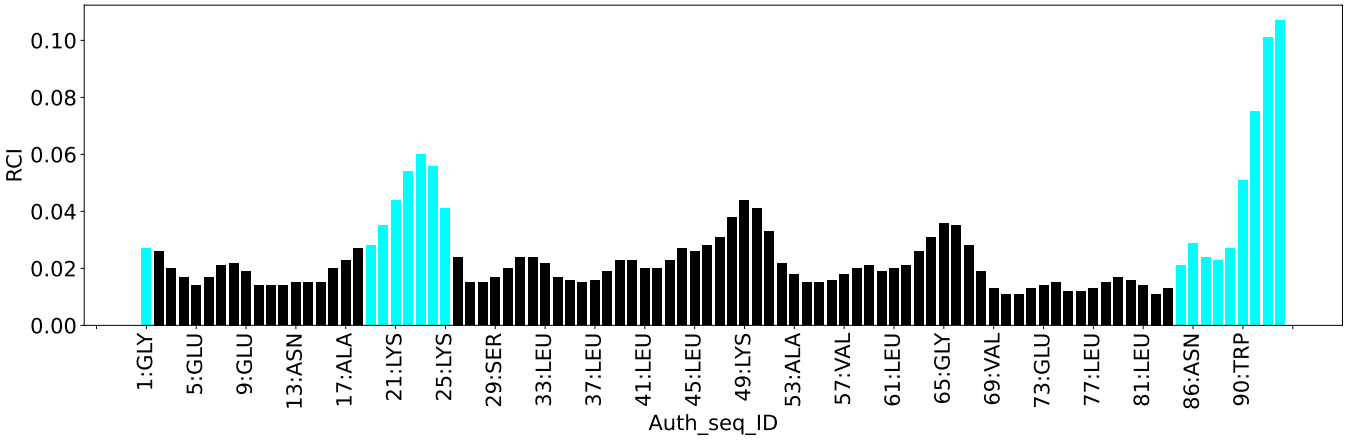
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	5	GLU	HG3	0.47	1.20 – 3.30	-8.5
1	A	49	LYS	HB3	0.29	0.46 – 3.04	-5.7
1	A	25	LYS	HG2	-0.03	0.13 – 2.61	-5.7
1	A	49	LYS	HB2	0.45	0.58 – 2.97	-5.6

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:


RCI
0.10
0.08
0.06
0.04
0.02
0.00
1:GLY
5:GLU
9:GLU
13:ASN
17:ALA
21:LYS
25:LYS
29:SER
33:LEU
37:LEU
41:LEU
45:LEU
49:LYS
53:ALA
57:VAL
61:LEU
65:GLY
69:VAL
73:GLU
77:LEU
81:LEU
86:ASN
90:TRP
Auth_seq_ID

8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	2916
Intra-residue (|i-j|=0)	728
Sequential (|i-j|=1)	774
Medium range (|i-j|>1 and |i-j|<5)	758
Long range (|i-j|≥5)	436
Inter-chain	220
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	15.7
Number of long range restraints per residue[1]	2.3

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	45.1	0.2
0.2-0.5 (Medium)	84.8	0.5
>0.5 (Large)	160.2	5.14

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

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

9 Distance violation analysis (i)

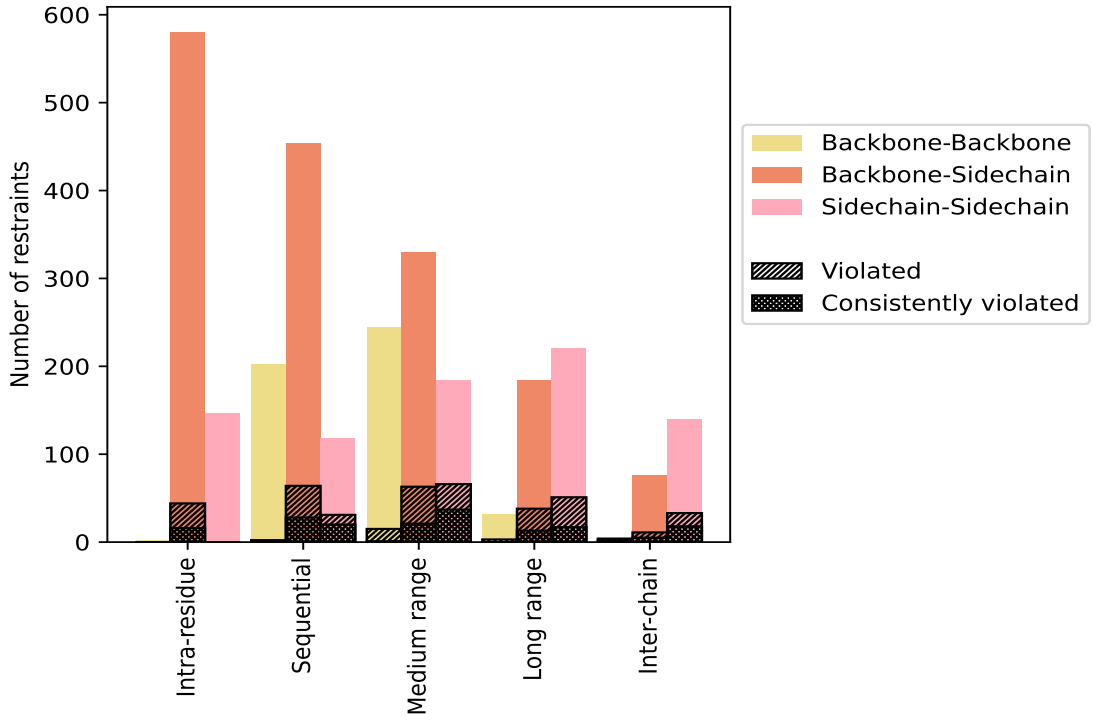
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	728	25.0	44	6.0	1.5	16	2.2	0.5
Backbone-Backbone	2	0.1	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	580	19.9	44	7.6	1.5	16	2.8	0.5
Sidechain-Sidechain	146	5.0	0	0.0	0.0	0	0.0	0.0
Sequential (|i-j|=1)	774	26.5	97	12.5	3.3	50	6.5	1.7
Backbone-Backbone	202	6.9	2	1.0	0.1	2	1.0	0.1
Backbone-Sidechain	454	15.6	64	14.1	2.2	28	6.2	1.0
Sidechain-Sidechain	118	4.0	31	26.3	1.1	20	16.9	0.7
Medium range (|i-j|>1 & |i-j|<5)	758	26.0	144	19.0	4.9	59	7.8	2.0
Backbone-Backbone	244	8.4	15	6.1	0.5	1	0.4	0.0
Backbone-Sidechain	330	11.3	63	19.1	2.2	21	6.4	0.7
Sidechain-Sidechain	184	6.3	66	35.9	2.3	37	20.1	1.3
Long range (|i-j|≥5)	436	15.0	92	21.1	3.2	30	6.9	1.0
Backbone-Backbone	32	1.1	3	9.4	0.1	0	0.0	0.0
Backbone-Sidechain	184	6.3	38	20.7	1.3	13	7.1	0.4
Sidechain-Sidechain	220	7.5	51	23.2	1.7	17	7.7	0.6
Inter-chain	220	7.5	48	21.8	1.6	25	11.4	0.9
Backbone-Backbone	4	0.1	4	100.0	0.1	2	50.0	0.1
Backbone-Sidechain	76	2.6	11	14.5	0.4	5	6.6	0.2
Sidechain-Sidechain	140	4.8	33	23.6	1.1	18	12.9	0.6
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	2916	100.0	425	14.6	14.6	180	6.2	6.2
Backbone-Backbone	484	16.6	24	5.0	0.8	5	1.0	0.2
Backbone-Sidechain	1624	55.7	220	13.5	7.5	83	5.1	2.8
Sidechain-Sidechain	808	27.7	181	22.4	6.2	92	11.4	3.2

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	27	70	97	54	40	288	0.91	4.51	0.85	0.57
2	30	72	101	54	38	295	0.89	3.97	0.82	0.67
3	29	68	98	57	36	288	0.93	5.14	0.87	0.62
4	26	71	92	56	36	281	0.91	4.08	0.82	0.68
5	28	75	101	59	39	302	0.86	3.97	0.79	0.6
6	30	67	104	60	39	300	0.87	3.93	0.8	0.64
7	28	71	100	62	42	303	0.86	3.98	0.81	0.54
8	30	69	98	51	37	285	0.87	3.84	0.79	0.59
9	27	70	103	56	37	293	0.9	3.99	0.81	0.65
10	23	68	96	68	38	293	0.86	3.91	0.78	0.61

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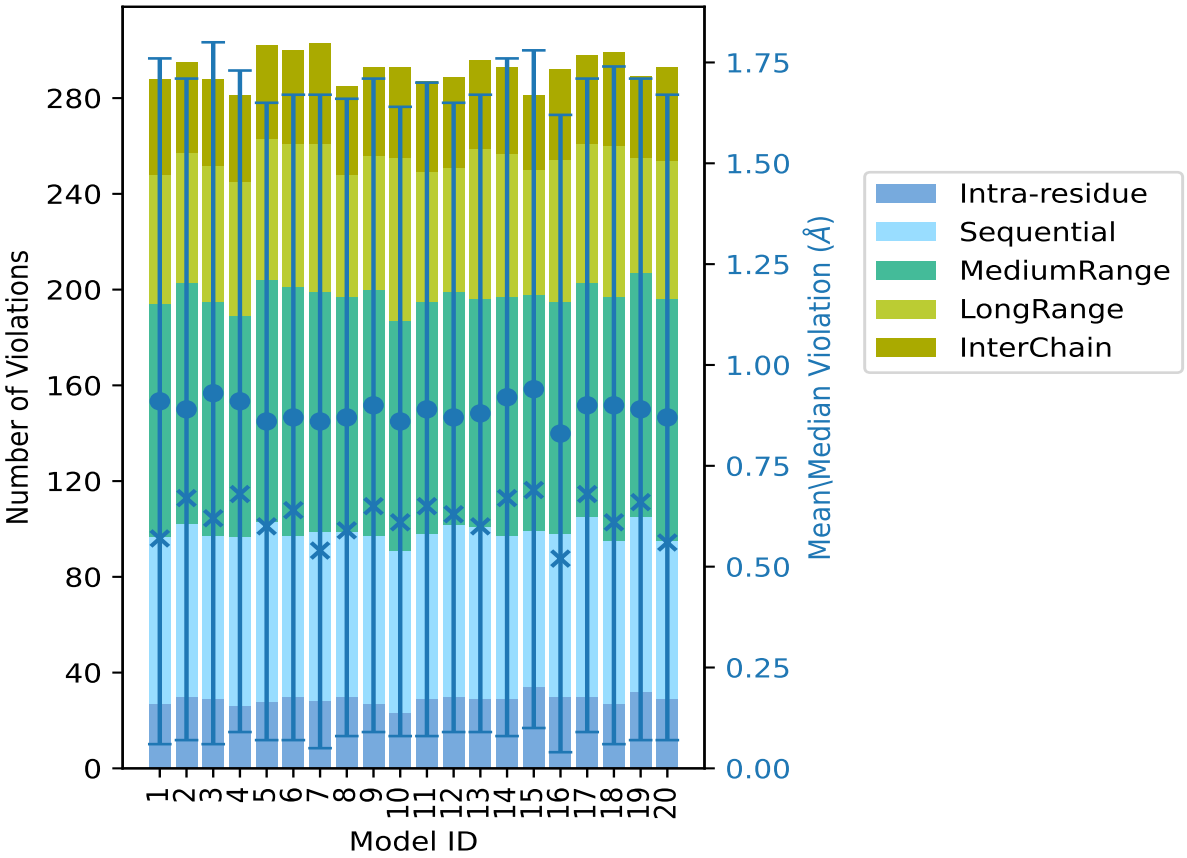
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	29	69	97	54	38	287	0.89	3.95	0.81	0.65
12	30	72	97	52	38	289	0.87	3.89	0.78	0.63
13	29	72	95	63	37	296	0.88	4.05	0.79	0.6
14	29	68	100	60	36	293	0.92	4.03	0.84	0.67
15	34	65	99	52	31	281	0.94	3.94	0.84	0.69
16	30	68	97	59	38	292	0.83	3.85	0.79	0.52
17	30	75	98	58	37	298	0.9	3.98	0.81	0.68
18	27	68	102	63	39	299	0.9	3.92	0.84	0.61
19	32	73	102	48	34	289	0.89	3.94	0.82	0.66
20	29	66	101	58	39	293	0.87	3.86	0.8	0.56

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

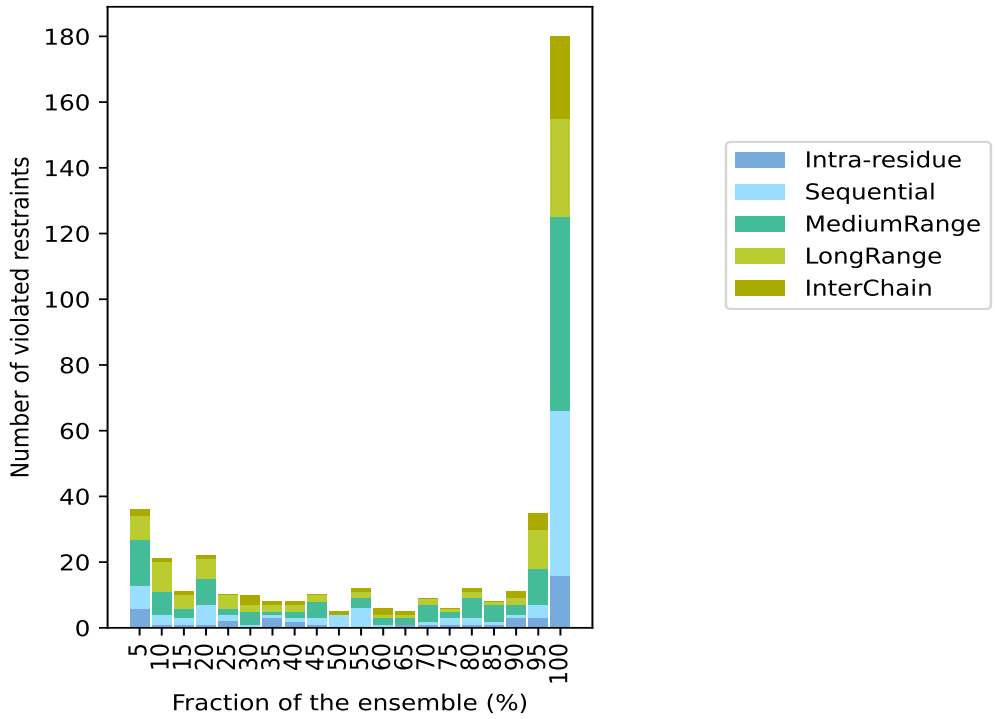
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 2491(IR:684, SQ:677, MR:614, LR:344, IC:172) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
6	7	14	7	2	36	1	5.0
1	3	7	9	1	21	2	10.0
1	2	3	4	1	11	3	15.0
1	6	8	6	1	22	4	20.0
2	2	2	4	0	10	5	25.0
0	1	4	2	3	10	6	30.0
3	1	1	2	1	8	7	35.0
2	1	2	2	1	8	8	40.0
1	2	5	2	0	10	9	45.0
0	4	0	0	1	5	10	50.0
0	6	3	2	1	12	11	55.0
0	1	2	1	2	6	12	60.0
1	0	2	1	1	5	13	65.0
1	1	5	2	0	9	14	70.0
1	2	2	1	0	6	15	75.0
1	2	6	2	1	12	16	80.0
1	1	5	1	0	8	17	85.0
3	1	3	2	2	11	18	90.0
3	4	11	12	5	35	19	95.0
16	50	59	30	25	180	20	100.0

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

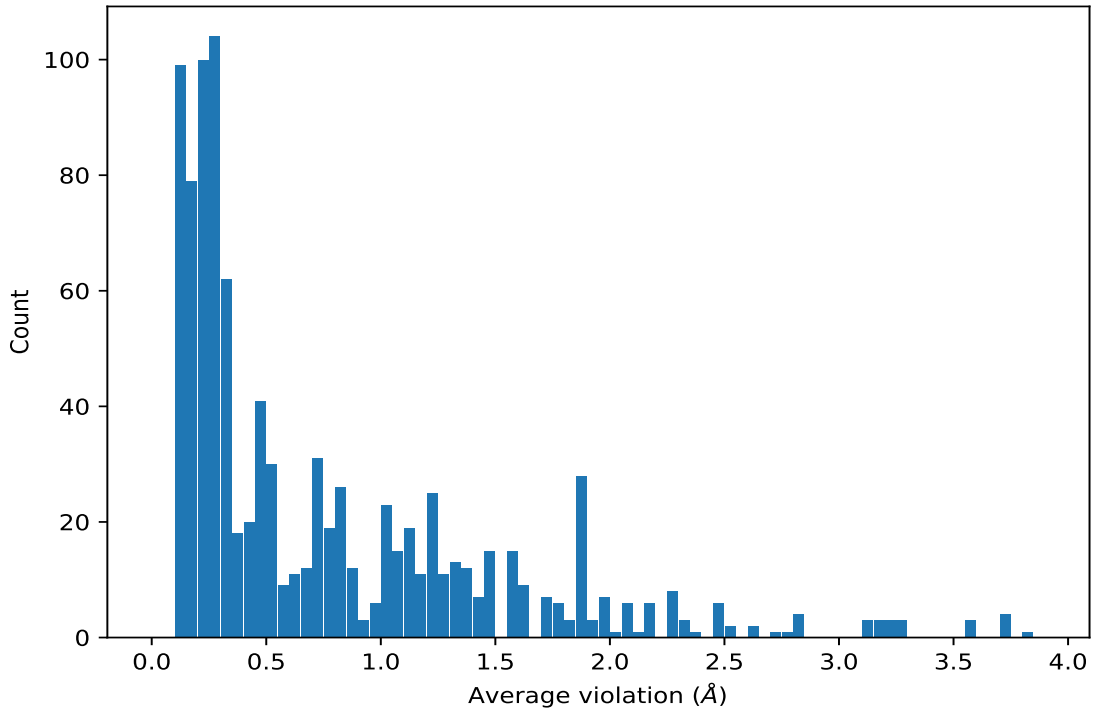
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2477)	1:41:A:LEU:HB3	1:44:A:PHE:HE1	20	3.81	0.27	3.91
(1,2478)	1:41:B:LEU:HB3	1:44:B:PHE:HE1	20	3.74	0.28	3.85
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG21	20	3.73	0.12	3.74
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG22	20	3.73	0.12	3.74
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG23	20	3.73	0.12	3.74
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG21	20	3.56	0.14	3.56
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG22	20	3.56	0.14	3.56
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG23	20	3.56	0.14	3.56
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE1	20	3.25	0.17	3.28
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE2	20	3.25	0.17	3.28
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE3	20	3.25	0.17	3.28
(1,1750)	1:8:A:MET:HE1	1:44:B:PHE:HE1	20	3.23	0.17	3.26
(1,1750)	1:8:A:MET:HE2	1:44:B:PHE:HE1	20	3.23	0.17	3.26
(1,1750)	1:8:A:MET:HE3	1:44:B:PHE:HE1	20	3.23	0.17	3.26
(1,2511)	1:41:A:LEU:HD21	1:44:A:PHE:HE1	20	3.16	0.57	3.34
(1,2511)	1:41:A:LEU:HD22	1:44:A:PHE:HE1	20	3.16	0.57	3.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2511)	1:41:A:LEU:HD23	1:44:A:PHE:HE1	20	3.16	0.57	3.34
(1,2512)	1:41:B:LEU:HD21	1:44:B:PHE:HE1	20	3.13	0.37	3.3
(1,2512)	1:41:B:LEU:HD22	1:44:B:PHE:HE1	20	3.13	0.37	3.3
(1,2512)	1:41:B:LEU:HD23	1:44:B:PHE:HE1	20	3.13	0.37	3.3
(1,2461)	1:41:A:LEU:HB2	1:44:A:PHE:HD1	20	2.83	0.14	2.89
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE2	20	2.83	0.82	3.02
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE3	20	2.83	0.82	3.02
(1,2480)	1:44:A:PHE:HE1	1:8:B:MET:HG2	20	2.82	0.22	2.76
(1,2462)	1:41:B:LEU:HB2	1:44:B:PHE:HD1	20	2.79	0.13	2.86
(1,2479)	1:8:A:MET:HG2	1:44:B:PHE:HE1	20	2.71	0.32	2.62
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE2	20	2.62	0.97	2.56
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE3	20	2.62	0.97	2.56
(1,1676)	1:40:B:GLU:HB2	1:41:B:LEU:HG	20	2.52	0.19	2.55
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG21	20	2.47	0.07	2.5
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG22	20	2.47	0.07	2.5
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG23	20	2.47	0.07	2.5
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG21	20	2.47	0.07	2.49
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG22	20	2.47	0.07	2.49
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG23	20	2.47	0.07	2.49
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG2	20	2.28	0.27	2.27
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG3	20	2.28	0.27	2.27
(1,900)	1:29:B:SER:H	1:68:B:GLU:HG2	20	2.26	0.32	2.32
(1,602)	1:29:B:SER:H	1:68:B:GLU:HG3	20	2.25	0.32	2.29
(1,1984)	1:41:B:LEU:HD21	1:44:B:PHE:HD1	20	2.18	0.34	2.3
(1,1984)	1:41:B:LEU:HD22	1:44:B:PHE:HD1	20	2.18	0.34	2.3
(1,1984)	1:41:B:LEU:HD23	1:44:B:PHE:HD1	20	2.18	0.34	2.3
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD21	20	2.16	0.13	2.15
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD22	20	2.16	0.13	2.15
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD23	20	2.16	0.13	2.15
(1,1596)	1:29:B:SER:HB2	1:68:B:GLU:HG3	20	2.11	0.48	2.27
(1,509)	1:41:A:LEU:HD21	1:5:B:GLU:H	20	2.08	0.46	2.16
(1,509)	1:41:A:LEU:HD22	1:5:B:GLU:H	20	2.08	0.46	2.16
(1,509)	1:41:A:LEU:HD23	1:5:B:GLU:H	20	2.08	0.46	2.16
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG21	20	2.07	0.06	2.08
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG22	20	2.07	0.06	2.08
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG23	20	2.07	0.06	2.08
(1,1706)	1:29:B:SER:HB2	1:68:B:GLU:HG2	20	2.0	0.2	1.97
(1,1488)	1:78:A:VAL:HG21	1:71:B:PHE:HE2	20	1.98	0.05	1.98
(1,1488)	1:78:A:VAL:HG22	1:71:B:PHE:HE2	20	1.98	0.05	1.98
(1,1488)	1:78:A:VAL:HG23	1:71:B:PHE:HE2	20	1.98	0.05	1.98
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB1	20	1.96	0.23	1.93
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB2	20	1.96	0.23	1.93

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB3	20	1.96	0.23	1.93
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB1	20	1.93	0.21	1.93
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB2	20	1.93	0.21	1.93
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB3	20	1.93	0.21	1.93
(1,2465)	1:41:A:LEU:HG	1:44:A:PHE:HE1	20	1.89	0.34	1.98
(1,2847)	1:36:B:LEU:HD11	1:41:B:LEU:HG	20	1.87	0.17	1.88
(1,2847)	1:36:B:LEU:HD12	1:41:B:LEU:HG	20	1.87	0.17	1.88
(1,2847)	1:36:B:LEU:HD13	1:41:B:LEU:HG	20	1.87	0.17	1.88
(1,2847)	1:36:B:LEU:HD21	1:41:B:LEU:HG	20	1.87	0.17	1.88
(1,2847)	1:36:B:LEU:HD22	1:41:B:LEU:HG	20	1.87	0.17	1.88
(1,2847)	1:36:B:LEU:HD23	1:41:B:LEU:HG	20	1.87	0.17	1.88
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB1	20	1.87	0.02	1.87
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB2	20	1.87	0.02	1.87
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB3	20	1.87	0.02	1.87
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB1	20	1.87	0.02	1.87
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB2	20	1.87	0.02	1.87
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB3	20	1.87	0.02	1.87
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB1	20	1.87	0.02	1.87
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB2	20	1.87	0.02	1.87
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB3	20	1.87	0.02	1.87
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB1	20	1.86	0.02	1.86
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB2	20	1.86	0.02	1.86
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB3	20	1.86	0.02	1.86
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB1	20	1.86	0.02	1.86
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB2	20	1.86	0.02	1.86
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB3	20	1.86	0.02	1.86
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB1	20	1.86	0.02	1.86
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB2	20	1.86	0.02	1.86
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB3	20	1.86	0.02	1.86
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG21	20	1.85	0.04	1.87
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG22	20	1.85	0.04	1.87
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG23	20	1.85	0.04	1.87
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG21	20	1.84	0.04	1.86
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG22	20	1.84	0.04	1.86
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG23	20	1.84	0.04	1.86
(1,2652)	1:36:A:LEU:HD11	1:41:A:LEU:HG	20	1.75	0.44	1.79
(1,2652)	1:36:A:LEU:HD12	1:41:A:LEU:HG	20	1.75	0.44	1.79
(1,2652)	1:36:A:LEU:HD13	1:41:A:LEU:HG	20	1.75	0.44	1.79
(1,2652)	1:36:A:LEU:HD21	1:41:A:LEU:HG	20	1.75	0.44	1.79
(1,2652)	1:36:A:LEU:HD22	1:41:A:LEU:HG	20	1.75	0.44	1.79
(1,2652)	1:36:A:LEU:HD23	1:41:A:LEU:HG	20	1.75	0.44	1.79
(1,2466)	1:41:B:LEU:HG	1:44:B:PHE:HE1	20	1.71	0.46	1.9

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD21	20	1.71	0.24	1.75
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD22	20	1.71	0.24	1.75
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD23	20	1.71	0.24	1.75
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG21	20	1.62	0.03	1.61
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG22	20	1.62	0.03	1.61
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG23	20	1.62	0.03	1.61
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG21	20	1.62	0.03	1.61
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG22	20	1.62	0.03	1.61
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG23	20	1.62	0.03	1.61
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG21	20	1.62	0.03	1.61
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG22	20	1.62	0.03	1.61
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG23	20	1.62	0.03	1.61
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE1	20	1.58	0.04	1.59
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE2	20	1.58	0.04	1.59
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE3	20	1.58	0.04	1.59
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE1	20	1.58	0.04	1.59
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE2	20	1.58	0.04	1.59
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE3	20	1.58	0.04	1.59
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE1	20	1.58	0.04	1.59
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE2	20	1.58	0.04	1.59
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE3	20	1.58	0.04	1.59
(1,2250)	1:41:B:LEU:HD11	1:78:B:VAL:HB	20	1.56	0.19	1.56
(1,2250)	1:41:B:LEU:HD12	1:78:B:VAL:HB	20	1.56	0.19	1.56
(1,2250)	1:41:B:LEU:HD13	1:78:B:VAL:HB	20	1.56	0.19	1.56
(1,2249)	1:41:A:LEU:HD11	1:78:A:VAL:HB	20	1.55	0.23	1.6
(1,2249)	1:41:A:LEU:HD12	1:78:A:VAL:HB	20	1.55	0.23	1.6
(1,2249)	1:41:A:LEU:HD13	1:78:A:VAL:HB	20	1.55	0.23	1.6
(1,1740)	1:5:B:GLU:HB3	1:6:B:THR:HB	20	1.48	0.11	1.5
(1,476)	1:8:B:MET:H	1:10:B:THR:HG21	20	1.47	0.03	1.48
(1,476)	1:8:B:MET:H	1:10:B:THR:HG22	20	1.47	0.03	1.48
(1,476)	1:8:B:MET:H	1:10:B:THR:HG23	20	1.47	0.03	1.48
(1,475)	1:8:A:MET:H	1:10:A:THR:HG21	20	1.46	0.03	1.46
(1,475)	1:8:A:MET:H	1:10:A:THR:HG22	20	1.46	0.03	1.46
(1,475)	1:8:A:MET:H	1:10:A:THR:HG23	20	1.46	0.03	1.46
(1,98)	1:81:B:LEU:HD11	1:83:B:VAL:H	20	1.45	0.02	1.45
(1,98)	1:81:B:LEU:HD12	1:83:B:VAL:H	20	1.45	0.02	1.45
(1,98)	1:81:B:LEU:HD13	1:83:B:VAL:H	20	1.45	0.02	1.45
(1,1739)	1:5:A:GLU:HB3	1:6:A:THR:HB	20	1.45	0.11	1.47
(1,2492)	1:44:B:PHE:HA	1:44:B:PHE:HE2	20	1.45	0.05	1.46
(1,97)	1:81:A:LEU:HD11	1:83:A:VAL:H	20	1.45	0.04	1.45
(1,97)	1:81:A:LEU:HD12	1:83:A:VAL:H	20	1.45	0.04	1.45
(1,97)	1:81:A:LEU:HD13	1:83:A:VAL:H	20	1.45	0.04	1.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,286)	1:81:B:LEU:HD11	1:84:B:ALA:H	20	1.44	0.04	1.44
(1,286)	1:81:B:LEU:HD12	1:84:B:ALA:H	20	1.44	0.04	1.44
(1,286)	1:81:B:LEU:HD13	1:84:B:ALA:H	20	1.44	0.04	1.44
(1,2491)	1:44:A:PHE:HA	1:44:A:PHE:HE2	20	1.43	0.07	1.46
(1,285)	1:81:A:LEU:HD11	1:84:A:ALA:H	20	1.42	0.08	1.43
(1,285)	1:81:A:LEU:HD12	1:84:A:ALA:H	20	1.42	0.08	1.43
(1,285)	1:81:A:LEU:HD13	1:84:A:ALA:H	20	1.42	0.08	1.43
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG11	20	1.37	0.05	1.38
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG12	20	1.37	0.05	1.38
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG13	20	1.37	0.05	1.38
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG11	20	1.36	0.05	1.35
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG12	20	1.36	0.05	1.35
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG13	20	1.36	0.05	1.35
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD21	20	1.35	0.18	1.38
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD22	20	1.35	0.18	1.38
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD23	20	1.35	0.18	1.38
(1,1530)	1:81:B:LEU:HD11	1:82:B:THR:HA	20	1.33	0.05	1.32
(1,1530)	1:81:B:LEU:HD12	1:82:B:THR:HA	20	1.33	0.05	1.32
(1,1530)	1:81:B:LEU:HD13	1:82:B:THR:HA	20	1.33	0.05	1.32
(1,2059)	1:12:A:ILE:HD11	1:13:A:ASN:HD22	20	1.32	0.11	1.31
(1,2059)	1:12:A:ILE:HD12	1:13:A:ASN:HD22	20	1.32	0.11	1.31
(1,2059)	1:12:A:ILE:HD13	1:13:A:ASN:HD22	20	1.32	0.11	1.31
(1,2060)	1:12:B:ILE:HD11	1:13:B:ASN:HD22	20	1.31	0.12	1.31
(1,2060)	1:12:B:ILE:HD12	1:13:B:ASN:HD22	20	1.31	0.12	1.31
(1,2060)	1:12:B:ILE:HD13	1:13:B:ASN:HD22	20	1.31	0.12	1.31
(1,2468)	1:44:A:PHE:HE1	1:8:B:MET:HB3	20	1.3	0.19	1.29
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE2	20	1.29	0.68	1.23
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE3	20	1.29	0.68	1.23
(1,1529)	1:81:A:LEU:HD11	1:82:A:THR:HA	20	1.28	0.06	1.28
(1,1529)	1:81:A:LEU:HD12	1:82:A:THR:HA	20	1.28	0.06	1.28
(1,1529)	1:81:A:LEU:HD13	1:82:A:THR:HA	20	1.28	0.06	1.28
(1,102)	1:41:B:LEU:HD21	1:43:B:GLY:H	20	1.28	0.16	1.33
(1,102)	1:41:B:LEU:HD22	1:43:B:GLY:H	20	1.28	0.16	1.33
(1,102)	1:41:B:LEU:HD23	1:43:B:GLY:H	20	1.28	0.16	1.33
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG11	20	1.26	0.04	1.25
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG12	20	1.26	0.04	1.25
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG13	20	1.26	0.04	1.25
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG21	20	1.24	0.02	1.24
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG22	20	1.24	0.02	1.24
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG23	20	1.24	0.02	1.24
(1,2467)	1:8:A:MET:HB3	1:44:B:PHE:HE1	20	1.24	0.2	1.27
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD11	20	1.23	0.1	1.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD12	20	1.23	0.1	1.25
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD13	20	1.23	0.1	1.25
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG11	20	1.23	0.04	1.23
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG12	20	1.23	0.04	1.23
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG13	20	1.23	0.04	1.23
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG21	20	1.23	0.01	1.23
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG22	20	1.23	0.01	1.23
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG23	20	1.23	0.01	1.23
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG21	20	1.23	0.06	1.23
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG22	20	1.23	0.06	1.23
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG23	20	1.23	0.06	1.23
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG21	20	1.22	0.05	1.22
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG22	20	1.22	0.05	1.22
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG23	20	1.22	0.05	1.22
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD21	20	1.21	0.22	1.24
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD22	20	1.21	0.22	1.24
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD23	20	1.21	0.22	1.24
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD11	20	1.17	0.12	1.2
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD12	20	1.17	0.12	1.2
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD13	20	1.17	0.12	1.2
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG11	20	1.17	0.09	1.18
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG12	20	1.17	0.09	1.18
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG13	20	1.17	0.09	1.18
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE2	20	1.17	0.58	1.08
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE3	20	1.17	0.58	1.08
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD11	20	1.15	0.11	1.15
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD12	20	1.15	0.11	1.15
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD13	20	1.15	0.11	1.15
(1,228)	1:72:A:GLN:HE22	1:76:B:VAL:HA	20	1.14	0.1	1.15
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD11	20	1.14	0.11	1.18
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD12	20	1.14	0.11	1.18
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD13	20	1.14	0.11	1.18
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG21	20	1.12	0.05	1.1
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG22	20	1.12	0.05	1.1
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG23	20	1.12	0.05	1.1
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG21	20	1.12	0.05	1.1
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG22	20	1.12	0.05	1.1
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG23	20	1.12	0.05	1.1
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG21	20	1.12	0.05	1.1
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG22	20	1.12	0.05	1.1
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG23	20	1.12	0.05	1.1
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG11	20	1.11	0.08	1.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG12	20	1.11	0.08	1.12
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG13	20	1.11	0.08	1.12
(1,227)	1:76:A:VAL:HA	1:72:B:GLN:HE22	20	1.1	0.14	1.12
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG21	20	1.09	0.05	1.1
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG22	20	1.09	0.05	1.1
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG23	20	1.09	0.05	1.1
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG21	20	1.09	0.05	1.1
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG22	20	1.09	0.05	1.1
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG23	20	1.09	0.05	1.1
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG21	20	1.09	0.05	1.1
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG22	20	1.09	0.05	1.1
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG23	20	1.09	0.05	1.1
(1,1305)	1:77:A:LEU:HD11	1:78:A:VAL:H	20	1.05	0.05	1.06
(1,1305)	1:77:A:LEU:HD12	1:78:A:VAL:H	20	1.05	0.05	1.06
(1,1305)	1:77:A:LEU:HD13	1:78:A:VAL:H	20	1.05	0.05	1.06
(1,1306)	1:77:B:LEU:HD11	1:78:B:VAL:H	20	1.05	0.04	1.05
(1,1306)	1:77:B:LEU:HD12	1:78:B:VAL:H	20	1.05	0.04	1.05
(1,1306)	1:77:B:LEU:HD13	1:78:B:VAL:H	20	1.05	0.04	1.05
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB1	20	1.04	0.08	1.02
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB2	20	1.04	0.08	1.02
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB3	20	1.04	0.08	1.02
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB1	20	1.04	0.08	1.02
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB2	20	1.04	0.08	1.02
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB3	20	1.04	0.08	1.02
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB1	20	1.04	0.08	1.02
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB2	20	1.04	0.08	1.02
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB3	20	1.04	0.08	1.02
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB1	20	1.02	0.06	1.02
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB2	20	1.02	0.06	1.02
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB3	20	1.02	0.06	1.02
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB1	20	1.02	0.06	1.02
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB2	20	1.02	0.06	1.02
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB3	20	1.02	0.06	1.02
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB1	20	1.02	0.06	1.02
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB2	20	1.02	0.06	1.02
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB3	20	1.02	0.06	1.02
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD11	20	1.0	0.07	0.99
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD12	20	1.0	0.07	0.99
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD13	20	1.0	0.07	0.99
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD11	20	0.98	0.1	0.97
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD12	20	0.98	0.1	0.97
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD13	20	0.98	0.1	0.97

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1637)	1:24:A:ASP:HB2	1:27:A:LYS:HB3	20	0.97	0.21	0.96
(1,1610)	1:8:B:MET:HB2	1:9:B:GLU:HB2	20	0.96	0.05	0.96
(1,1609)	1:8:A:MET:HB2	1:9:A:GLU:HB2	20	0.95	0.06	0.94
(1,1638)	1:24:B:ASP:HB2	1:27:B:LYS:HB3	20	0.94	0.14	0.97
(1,1574)	1:29:B:SER:HB3	1:31:B:LYS:HB3	20	0.86	0.11	0.87
(1,790)	1:81:B:LEU:HD11	1:82:B:THR:H	20	0.86	0.04	0.85
(1,790)	1:81:B:LEU:HD12	1:82:B:THR:H	20	0.86	0.04	0.85
(1,790)	1:81:B:LEU:HD13	1:82:B:THR:H	20	0.86	0.04	0.85
(1,1573)	1:29:A:SER:HB3	1:31:A:LYS:HB3	20	0.85	0.12	0.86
(1,2170)	1:44:B:PHE:HA	1:44:B:PHE:HD2	20	0.85	0.04	0.86
(1,1809)	1:41:A:LEU:HD11	1:44:A:PHE:HE1	20	0.84	0.52	0.75
(1,1809)	1:41:A:LEU:HD12	1:44:A:PHE:HE1	20	0.84	0.52	0.75
(1,1809)	1:41:A:LEU:HD13	1:44:A:PHE:HE1	20	0.84	0.52	0.75
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD11	20	0.83	0.15	0.85
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD12	20	0.83	0.15	0.85
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD13	20	0.83	0.15	0.85
(1,2169)	1:44:A:PHE:HA	1:44:A:PHE:HD2	20	0.83	0.07	0.86
(1,789)	1:81:A:LEU:HD11	1:82:A:THR:H	20	0.83	0.04	0.84
(1,789)	1:81:A:LEU:HD12	1:82:A:THR:H	20	0.83	0.04	0.84
(1,789)	1:81:A:LEU:HD13	1:82:A:THR:H	20	0.83	0.04	0.84
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD21	20	0.82	0.2	0.79
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD22	20	0.82	0.2	0.79
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD23	20	0.82	0.2	0.79
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD21	20	0.82	0.09	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD22	20	0.82	0.09	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD23	20	0.82	0.09	0.86
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE1	20	0.79	0.18	0.81
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE2	20	0.79	0.18	0.81
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE3	20	0.79	0.18	0.81
(1,282)	1:72:A:GLN:H	1:80:B:ALA:HA	20	0.79	0.04	0.78
(1,1421)	1:31:A:LYS:HB2	1:32:A:GLU:HB2	20	0.78	0.06	0.8
(1,1422)	1:31:B:LYS:HB2	1:32:B:GLU:HB2	20	0.78	0.13	0.83
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD21	20	0.76	0.14	0.84
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD22	20	0.76	0.14	0.84
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD23	20	0.76	0.14	0.84
(1,1875)	1:51:A:VAL:HG11	1:52:A:ASP:HA	20	0.75	0.02	0.75
(1,1875)	1:51:A:VAL:HG12	1:52:A:ASP:HA	20	0.75	0.02	0.75
(1,1875)	1:51:A:VAL:HG13	1:52:A:ASP:HA	20	0.75	0.02	0.75
(1,1981)	1:45:A:LEU:HB2	1:46:A:ASP:HB3	20	0.75	0.34	0.66
(1,470)	1:41:B:LEU:HD21	1:42:B:SER:H	20	0.75	0.03	0.75
(1,470)	1:41:B:LEU:HD22	1:42:B:SER:H	20	0.75	0.03	0.75
(1,470)	1:41:B:LEU:HD23	1:42:B:SER:H	20	0.75	0.03	0.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1876)	1:51:B:VAL:HG11	1:52:B:ASP:HA	20	0.74	0.02	0.74
(1,1876)	1:51:B:VAL:HG12	1:52:B:ASP:HA	20	0.74	0.02	0.74
(1,1876)	1:51:B:VAL:HG13	1:52:B:ASP:HA	20	0.74	0.02	0.74
(1,281)	1:80:A:ALA:HA	1:72:B:GLN:H	20	0.74	0.05	0.74
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG11	20	0.73	0.02	0.73
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG12	20	0.73	0.02	0.73
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG13	20	0.73	0.02	0.73
(1,1742)	1:8:A:MET:HE1	1:44:B:PHE:HZ	20	0.73	0.19	0.78
(1,1742)	1:8:A:MET:HE2	1:44:B:PHE:HZ	20	0.73	0.19	0.78
(1,1742)	1:8:A:MET:HE3	1:44:B:PHE:HZ	20	0.73	0.19	0.78
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG11	20	0.72	0.02	0.72
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG12	20	0.72	0.02	0.72
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG13	20	0.72	0.02	0.72
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD11	20	0.72	0.14	0.7
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD12	20	0.72	0.14	0.7
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD13	20	0.72	0.14	0.7
(1,469)	1:41:A:LEU:HD21	1:42:A:SER:H	20	0.71	0.14	0.74
(1,469)	1:41:A:LEU:HD22	1:42:A:SER:H	20	0.71	0.14	0.74
(1,469)	1:41:A:LEU:HD23	1:42:A:SER:H	20	0.71	0.14	0.74
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD11	20	0.7	0.09	0.7
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD12	20	0.7	0.09	0.7
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD13	20	0.7	0.09	0.7
(1,1118)	1:6:B:THR:HG21	1:7:B:ALA:H	20	0.7	0.04	0.7
(1,1118)	1:6:B:THR:HG22	1:7:B:ALA:H	20	0.7	0.04	0.7
(1,1118)	1:6:B:THR:HG23	1:7:B:ALA:H	20	0.7	0.04	0.7
(1,1117)	1:6:A:THR:HG21	1:7:A:ALA:H	20	0.7	0.03	0.68
(1,1117)	1:6:A:THR:HG22	1:7:A:ALA:H	20	0.7	0.03	0.68
(1,1117)	1:6:A:THR:HG23	1:7:A:ALA:H	20	0.7	0.03	0.68
(1,1810)	1:41:B:LEU:HD11	1:44:B:PHE:HE1	20	0.68	0.15	0.72
(1,1810)	1:41:B:LEU:HD12	1:44:B:PHE:HE1	20	0.68	0.15	0.72
(1,1810)	1:41:B:LEU:HD13	1:44:B:PHE:HE1	20	0.68	0.15	0.72
(1,1136)	1:78:B:VAL:HG21	1:79:B:ALA:H	20	0.67	0.02	0.67
(1,1136)	1:78:B:VAL:HG22	1:79:B:ALA:H	20	0.67	0.02	0.67
(1,1136)	1:78:B:VAL:HG23	1:79:B:ALA:H	20	0.67	0.02	0.67
(1,1135)	1:78:A:VAL:HG21	1:79:A:ALA:H	20	0.66	0.02	0.66
(1,1135)	1:78:A:VAL:HG22	1:79:A:ALA:H	20	0.66	0.02	0.66
(1,1135)	1:78:A:VAL:HG23	1:79:A:ALA:H	20	0.66	0.02	0.66
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD21	20	0.62	0.02	0.62
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD22	20	0.62	0.02	0.62
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD23	20	0.62	0.02	0.62
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD21	20	0.62	0.02	0.62
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD22	20	0.62	0.02	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD23	20	0.62	0.02	0.62
(1,1639)	1:29:A:SER:HB2	1:31:A:LYS:HB3	20	0.61	0.29	0.45
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD11	20	0.58	0.15	0.58
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD12	20	0.58	0.15	0.58
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD13	20	0.58	0.15	0.58
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD11	20	0.56	0.14	0.58
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD12	20	0.56	0.14	0.58
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD13	20	0.56	0.14	0.58
(1,2312)	1:6:B:THR:HA	1:9:B:GLU:HB2	20	0.54	0.07	0.57
(1,2311)	1:6:A:THR:HA	1:9:A:GLU:HB2	20	0.54	0.07	0.56
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG21	20	0.53	0.05	0.52
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG22	20	0.53	0.05	0.52
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG23	20	0.53	0.05	0.52
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG21	20	0.53	0.04	0.53
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG22	20	0.53	0.04	0.53
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG23	20	0.53	0.04	0.53
(1,651)	1:30:A:LYS:HB2	1:65:A:GLY:H	20	0.52	0.19	0.42
(1,1982)	1:45:B:LEU:HB2	1:46:B:ASP:HB3	20	0.51	0.32	0.38
(1,1756)	1:29:B:SER:HA	1:68:B:GLU:HG2	20	0.51	0.11	0.52
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG21	20	0.51	0.06	0.5
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG22	20	0.51	0.06	0.5
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG23	20	0.51	0.06	0.5
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG21	20	0.51	0.06	0.5
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG22	20	0.51	0.06	0.5
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG23	20	0.51	0.06	0.5
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG21	20	0.51	0.06	0.5
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG22	20	0.51	0.06	0.5
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG23	20	0.51	0.06	0.5
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG21	20	0.49	0.06	0.48
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG22	20	0.49	0.06	0.48
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG23	20	0.49	0.06	0.48
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG21	20	0.49	0.06	0.48
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG22	20	0.49	0.06	0.48
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG23	20	0.49	0.06	0.48
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG21	20	0.49	0.06	0.48
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG22	20	0.49	0.06	0.48
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG23	20	0.49	0.06	0.48
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB1	20	0.47	0.17	0.48
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB2	20	0.47	0.17	0.48
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB3	20	0.47	0.17	0.48
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG11	20	0.45	0.06	0.44
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG12	20	0.45	0.06	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG13	20	0.45	0.06	0.44
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB1	20	0.45	0.16	0.49
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB2	20	0.45	0.16	0.49
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB3	20	0.45	0.16	0.49
(1,2155)	1:31:A:LYS:HG2	1:32:A:GLU:HB2	20	0.45	0.02	0.46
(1,2155)	1:31:A:LYS:HG3	1:32:A:GLU:HB2	20	0.45	0.02	0.46
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG11	20	0.45	0.06	0.44
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG12	20	0.45	0.06	0.44
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG13	20	0.45	0.06	0.44
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG21	20	0.43	0.04	0.42
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG22	20	0.43	0.04	0.42
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG23	20	0.43	0.04	0.42
(1,140)	1:41:B:LEU:HB2	1:43:B:GLY:H	20	0.42	0.07	0.42
(1,484)	1:39:B:THR:H	1:41:B:LEU:HB2	20	0.42	0.14	0.42
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG21	20	0.41	0.05	0.4
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG22	20	0.41	0.05	0.4
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG23	20	0.41	0.05	0.4
(1,2161)	1:3:A:GLU:HA	1:6:A:THR:HB	20	0.4	0.13	0.4
(1,2162)	1:3:B:GLU:HA	1:6:B:THR:HB	20	0.38	0.1	0.37
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE1	20	0.36	0.04	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE2	20	0.36	0.04	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE3	20	0.36	0.04	0.38
(1,721)	1:9:A:GLU:HB2	1:10:A:THR:H	20	0.35	0.03	0.35
(1,722)	1:9:B:GLU:HB2	1:10:B:THR:H	20	0.34	0.03	0.34
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD21	20	0.34	0.12	0.38
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD22	20	0.34	0.12	0.38
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD23	20	0.34	0.12	0.38
(1,127)	1:7:A:ALA:H	1:9:A:GLU:HB3	20	0.33	0.12	0.34
(1,1039)	1:9:A:GLU:HB3	1:10:A:THR:H	20	0.32	0.07	0.35
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD21	20	0.32	0.09	0.32
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD22	20	0.32	0.09	0.32
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD23	20	0.32	0.09	0.32
(1,846)	1:31:B:LYS:HB2	1:32:B:GLU:H	20	0.31	0.05	0.34
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG2	20	0.31	0.04	0.32
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG3	20	0.31	0.04	0.32
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG2	20	0.31	0.04	0.32
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG3	20	0.31	0.04	0.32
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD11	20	0.31	0.02	0.3
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD12	20	0.31	0.02	0.3
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD13	20	0.31	0.02	0.3
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD11	20	0.3	0.03	0.3
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD12	20	0.3	0.03	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD13	20	0.3	0.03	0.3
(1,845)	1:31:A:LYS:HB2	1:32:A:GLU:H	20	0.3	0.05	0.31
(1,501)	1:12:A:ILE:HD11	1:13:A:ASN:H	20	0.28	0.05	0.28
(1,501)	1:12:A:ILE:HD12	1:13:A:ASN:H	20	0.28	0.05	0.28
(1,501)	1:12:A:ILE:HD13	1:13:A:ASN:H	20	0.28	0.05	0.28
(1,502)	1:12:B:ILE:HD11	1:13:B:ASN:H	20	0.27	0.05	0.29
(1,502)	1:12:B:ILE:HD12	1:13:B:ASN:H	20	0.27	0.05	0.29
(1,502)	1:12:B:ILE:HD13	1:13:B:ASN:H	20	0.27	0.05	0.29
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB1	20	0.27	0.02	0.28
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB2	20	0.27	0.02	0.28
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB3	20	0.27	0.02	0.28
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB1	20	0.27	0.02	0.28
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB2	20	0.27	0.02	0.28
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB3	20	0.27	0.02	0.28
(1,712)	1:41:B:LEU:HB2	1:42:B:SER:H	20	0.26	0.03	0.26
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB2	20	0.26	0.04	0.28
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB3	20	0.26	0.04	0.28
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB2	20	0.26	0.04	0.28
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB3	20	0.26	0.04	0.28
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB2	20	0.26	0.04	0.28
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB3	20	0.26	0.04	0.28
(1,1698)	1:11:A:LEU:HG	1:4:B:LEU:HG	20	0.25	0.04	0.27
(1,642)	1:81:B:LEU:H	1:82:B:THR:HB	20	0.25	0.01	0.25
(1,641)	1:81:A:LEU:H	1:82:A:THR:HB	20	0.25	0.01	0.25
(1,513)	1:39:A:THR:H	1:40:A:GLU:HA	20	0.25	0.04	0.27
(1,1542)	1:33:B:LEU:HA	1:36:B:LEU:HA	20	0.24	0.07	0.23
(1,514)	1:39:B:THR:H	1:40:B:GLU:HA	20	0.24	0.04	0.27
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD11	20	0.24	0.06	0.25
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD12	20	0.24	0.06	0.25
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD13	20	0.24	0.06	0.25
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG21	20	0.23	0.01	0.23
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG22	20	0.23	0.01	0.23
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG23	20	0.23	0.01	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG21	20	0.23	0.01	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG22	20	0.23	0.01	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG23	20	0.23	0.01	0.23
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB1	20	0.22	0.04	0.22
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB2	20	0.22	0.04	0.22
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB3	20	0.22	0.04	0.22
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB1	20	0.21	0.02	0.21
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB2	20	0.21	0.02	0.21
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB3	20	0.21	0.02	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB1	20	0.2	0.02	0.2
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB2	20	0.2	0.02	0.2
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB3	20	0.2	0.02	0.2
(1,1082)	1:6:B:THR:H	1:6:B:THR:HB	20	0.18	0.01	0.18
(1,1081)	1:6:A:THR:H	1:6:A:THR:HB	20	0.18	0.02	0.18
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG2	20	0.15	0.03	0.13
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG3	20	0.15	0.03	0.13
(1,1675)	1:40:A:GLU:HB2	1:41:A:LEU:HG	19	2.54	0.13	2.58
(1,601)	1:29:A:SER:H	1:68:A:GLU:HG3	19	2.37	0.36	2.49
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG2	19	2.34	0.27	2.43
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG3	19	2.34	0.27	2.43
(1,1595)	1:29:A:SER:HB2	1:68:A:GLU:HG3	19	2.3	0.16	2.32
(1,899)	1:29:A:SER:H	1:68:A:GLU:HG2	19	2.28	0.31	2.4
(1,1983)	1:41:A:LEU:HD21	1:44:A:PHE:HD1	19	2.28	0.25	2.35
(1,1983)	1:41:A:LEU:HD22	1:44:A:PHE:HD1	19	2.28	0.25	2.35
(1,1983)	1:41:A:LEU:HD23	1:44:A:PHE:HD1	19	2.28	0.25	2.35
(1,1705)	1:29:A:SER:HB2	1:68:A:GLU:HG2	19	1.98	0.21	1.99
(1,1913)	1:41:A:LEU:HD21	1:5:B:GLU:HB3	19	1.74	0.2	1.78
(1,1913)	1:41:A:LEU:HD22	1:5:B:GLU:HB3	19	1.74	0.2	1.78
(1,1913)	1:41:A:LEU:HD23	1:5:B:GLU:HB3	19	1.74	0.2	1.78
(1,1829)	1:41:A:LEU:HD21	1:5:B:GLU:HA	19	1.39	0.13	1.41
(1,1829)	1:41:A:LEU:HD22	1:5:B:GLU:HA	19	1.39	0.13	1.41
(1,1829)	1:41:A:LEU:HD23	1:5:B:GLU:HA	19	1.39	0.13	1.41
(1,101)	1:41:A:LEU:HD21	1:43:A:GLY:H	19	1.33	0.14	1.34
(1,101)	1:41:A:LEU:HD22	1:43:A:GLY:H	19	1.33	0.14	1.34
(1,101)	1:41:A:LEU:HD23	1:43:A:GLY:H	19	1.33	0.14	1.34
(1,1451)	1:41:A:LEU:HD21	1:8:B:MET:HB2	19	1.2	0.19	1.2
(1,1451)	1:41:A:LEU:HD22	1:8:B:MET:HB2	19	1.2	0.19	1.2
(1,1451)	1:41:A:LEU:HD23	1:8:B:MET:HB2	19	1.2	0.19	1.2
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD11	19	0.89	0.12	0.92
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD12	19	0.89	0.12	0.92
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD13	19	0.89	0.12	0.92
(1,1715)	1:41:A:LEU:HD21	1:8:B:MET:HG2	19	0.84	0.1	0.87
(1,1715)	1:41:A:LEU:HD22	1:8:B:MET:HG2	19	0.84	0.1	0.87
(1,1715)	1:41:A:LEU:HD23	1:8:B:MET:HG2	19	0.84	0.1	0.87
(1,1507)	1:60:A:GLU:HG3	1:64:A:ASN:HB3	19	0.79	0.13	0.81
(1,1508)	1:60:B:GLU:HG3	1:64:B:ASN:HB3	19	0.73	0.19	0.77
(1,1558)	1:34:B:LYS:HG3	1:62:B:ASP:HA	19	0.68	0.27	0.78
(1,1691)	1:29:A:SER:HA	1:68:A:GLU:HG3	19	0.66	0.1	0.69
(1,1640)	1:29:B:SER:HB2	1:31:B:LYS:HB3	19	0.52	0.24	0.46
(1,1755)	1:29:A:SER:HA	1:68:A:GLU:HG2	19	0.49	0.13	0.5
(1,139)	1:41:A:LEU:HB2	1:43:A:GLY:H	19	0.46	0.07	0.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2156)	1:31:B:LYS:HG2	1:32:B:GLU:HB2	19	0.45	0.01	0.45
(1,2156)	1:31:B:LYS:HG3	1:32:B:GLU:HB2	19	0.45	0.01	0.45
(1,483)	1:39:A:THR:H	1:41:A:LEU:HB2	19	0.43	0.12	0.44
(1,652)	1:30:B:LYS:HB2	1:65:B:GLY:H	19	0.41	0.19	0.31
(1,128)	1:7:B:ALA:H	1:9:B:GLU:HB3	19	0.35	0.09	0.37
(1,1040)	1:9:B:GLU:HB3	1:10:B:THR:H	19	0.34	0.06	0.35
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE1	19	0.34	0.08	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE2	19	0.34	0.08	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE3	19	0.34	0.08	0.38
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB2	19	0.28	0.05	0.27
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB3	19	0.28	0.05	0.27
(1,711)	1:41:A:LEU:HB2	1:42:A:SER:H	19	0.26	0.04	0.28
(1,1697)	1:4:A:LEU:HG	1:11:B:LEU:HG	19	0.25	0.04	0.27
(1,1590)	1:24:B:ASP:HA	1:27:B:LYS:HB2	19	0.24	0.11	0.22
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB1	19	0.24	0.04	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB2	19	0.24	0.04	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB3	19	0.24	0.04	0.26
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD11	19	0.23	0.06	0.24
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD12	19	0.23	0.06	0.24
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD13	19	0.23	0.06	0.24
(1,543)	1:31:A:LYS:H	1:65:A:GLY:H	19	0.23	0.05	0.26
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD21	19	0.21	0.03	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD22	19	0.21	0.03	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD23	19	0.21	0.03	0.21
(1,544)	1:31:B:LYS:H	1:65:B:GLY:H	19	0.18	0.06	0.17
(1,491)	1:41:A:LEU:HD21	1:44:A:PHE:H	18	0.86	0.09	0.88
(1,491)	1:41:A:LEU:HD22	1:44:A:PHE:H	18	0.86	0.09	0.88
(1,491)	1:41:A:LEU:HD23	1:44:A:PHE:H	18	0.86	0.09	0.88
(1,492)	1:41:B:LEU:HD21	1:44:B:PHE:H	18	0.82	0.12	0.83
(1,492)	1:41:B:LEU:HD22	1:44:B:PHE:H	18	0.82	0.12	0.83
(1,492)	1:41:B:LEU:HD23	1:44:B:PHE:H	18	0.82	0.12	0.83
(1,1557)	1:34:A:LYS:HG3	1:62:A:ASP:HA	18	0.62	0.26	0.56
(1,1541)	1:33:A:LEU:HA	1:36:A:LEU:HA	18	0.24	0.08	0.25
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD21	18	0.22	0.02	0.22
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD22	18	0.22	0.02	0.22
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD23	18	0.22	0.02	0.22
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG21	18	0.21	0.07	0.2
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG22	18	0.21	0.07	0.2
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG23	18	0.21	0.07	0.2
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG21	18	0.21	0.07	0.2
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG22	18	0.21	0.07	0.2
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG23	18	0.21	0.07	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG21	18	0.21	0.07	0.2
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG22	18	0.21	0.07	0.2
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG23	18	0.21	0.07	0.2
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD11	18	0.15	0.03	0.15
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD12	18	0.15	0.03	0.15
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD13	18	0.15	0.03	0.15
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD21	18	0.15	0.03	0.15
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD22	18	0.15	0.03	0.15
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD23	18	0.15	0.03	0.15
(1,1104)	1:9:B:GLU:H	1:9:B:GLU:HB2	18	0.15	0.02	0.15
(1,253)	1:72:A:GLN:HB2	1:80:B:ALA:H	18	0.14	0.01	0.15
(1,253)	1:72:A:GLN:HB3	1:80:B:ALA:H	18	0.14	0.01	0.15
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG2	18	0.14	0.03	0.12
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG3	18	0.14	0.03	0.12
(1,1591)	1:77:A:LEU:HD21	1:78:A:VAL:H	18	0.13	0.02	0.13
(1,1591)	1:77:A:LEU:HD22	1:78:A:VAL:H	18	0.13	0.02	0.13
(1,1591)	1:77:A:LEU:HD23	1:78:A:VAL:H	18	0.13	0.02	0.13
(1,1692)	1:29:B:SER:HA	1:68:B:GLU:HG3	17	0.65	0.16	0.72
(1,2463)	1:41:A:LEU:HG	1:44:A:PHE:HD1	17	0.34	0.28	0.31
(1,1589)	1:24:A:ASP:HA	1:27:A:LYS:HB2	17	0.28	0.09	0.26
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB2	17	0.27	0.04	0.28
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB3	17	0.27	0.04	0.28
(1,265)	1:41:A:LEU:HB3	1:44:A:PHE:H	17	0.27	0.1	0.24
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG21	17	0.26	0.07	0.24
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG22	17	0.26	0.07	0.24
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG23	17	0.26	0.07	0.24
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG11	17	0.25	0.1	0.28
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG12	17	0.25	0.1	0.28
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG13	17	0.25	0.1	0.28
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG21	17	0.25	0.1	0.28
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG22	17	0.25	0.1	0.28
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG23	17	0.25	0.1	0.28
(1,2864)	1:40:B:GLU:HG2	1:41:B:LEU:H	17	0.19	0.05	0.17
(1,2864)	1:40:B:GLU:HG3	1:41:B:LEU:H	17	0.19	0.05	0.17
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE2	16	1.12	0.14	1.16
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE3	16	1.12	0.14	1.16
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG2	16	0.36	0.13	0.36
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG3	16	0.36	0.13	0.36
(1,683)	1:13:A:ASN:HA	1:17:A:ALA:H	16	0.32	0.1	0.31
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD11	16	0.29	0.12	0.28
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD12	16	0.29	0.12	0.28
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD13	16	0.29	0.12	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG21	16	0.29	0.07	0.3
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG22	16	0.29	0.07	0.3
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG23	16	0.29	0.07	0.3
(1,684)	1:13:B:ASN:HA	1:17:B:ALA:H	16	0.29	0.11	0.26
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG21	16	0.25	0.09	0.25
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG22	16	0.25	0.09	0.25
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG23	16	0.25	0.09	0.25
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG21	16	0.25	0.09	0.25
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG22	16	0.25	0.09	0.25
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG23	16	0.25	0.09	0.25
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG21	16	0.25	0.09	0.25
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG22	16	0.25	0.09	0.25
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG23	16	0.25	0.09	0.25
(1,266)	1:41:B:LEU:HB3	1:44:B:PHE:H	16	0.23	0.1	0.18
(1,1898)	1:9:B:GLU:HG2	1:10:B:THR:HA	16	0.2	0.05	0.22
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD11	16	0.18	0.04	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD12	16	0.18	0.04	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD13	16	0.18	0.04	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD21	16	0.18	0.04	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD22	16	0.18	0.04	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD23	16	0.18	0.04	0.17
(1,2669)	1:40:A:GLU:HG2	1:41:A:LEU:H	16	0.17	0.04	0.16
(1,2669)	1:40:A:GLU:HG3	1:41:A:LEU:H	16	0.17	0.04	0.16
(1,1103)	1:9:A:GLU:H	1:9:A:GLU:HB2	16	0.15	0.01	0.15
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE2	15	1.04	0.28	1.2
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE3	15	1.04	0.28	1.2
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG2	15	0.35	0.14	0.34
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG3	15	0.35	0.14	0.34
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD11	15	0.33	0.15	0.31
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD12	15	0.33	0.15	0.31
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD13	15	0.33	0.15	0.31
(1,1897)	1:9:A:GLU:HG2	1:10:A:THR:HA	15	0.19	0.04	0.18
(1,628)	1:64:B:ASN:HA	1:64:B:ASN:HD22	15	0.13	0.02	0.13
(1,1592)	1:77:B:LEU:HD21	1:78:B:VAL:H	15	0.12	0.01	0.12
(1,1592)	1:77:B:LEU:HD22	1:78:B:VAL:H	15	0.12	0.01	0.12
(1,1592)	1:77:B:LEU:HD23	1:78:B:VAL:H	15	0.12	0.01	0.12
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG2	14	0.55	0.27	0.6
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG3	14	0.55	0.27	0.6
(1,1153)	1:28:A:LEU:HD21	1:29:A:SER:H	14	0.35	0.04	0.34
(1,1153)	1:28:A:LEU:HD22	1:29:A:SER:H	14	0.35	0.04	0.34
(1,1153)	1:28:A:LEU:HD23	1:29:A:SER:H	14	0.35	0.04	0.34
(1,2605)	1:28:A:LEU:HD11	1:32:A:GLU:H	14	0.31	0.07	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2605)	1:28:A:LEU:HD12	1:32:A:GLU:H	14	0.31	0.07	0.32
(1,2605)	1:28:A:LEU:HD13	1:32:A:GLU:H	14	0.31	0.07	0.32
(1,2605)	1:28:A:LEU:HD21	1:32:A:GLU:H	14	0.31	0.07	0.32
(1,2605)	1:28:A:LEU:HD22	1:32:A:GLU:H	14	0.31	0.07	0.32
(1,2605)	1:28:A:LEU:HD23	1:32:A:GLU:H	14	0.31	0.07	0.32
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD11	14	0.29	0.1	0.26
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD12	14	0.29	0.1	0.26
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD13	14	0.29	0.1	0.26
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG11	14	0.27	0.06	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG12	14	0.27	0.06	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG13	14	0.27	0.06	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG21	14	0.27	0.06	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG22	14	0.27	0.06	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG23	14	0.27	0.06	0.25
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD11	14	0.27	0.09	0.25
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD12	14	0.27	0.09	0.25
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD13	14	0.27	0.09	0.25
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG11	14	0.23	0.03	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG12	14	0.23	0.03	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG13	14	0.23	0.03	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG21	14	0.23	0.03	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG22	14	0.23	0.03	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG23	14	0.23	0.03	0.23
(1,1806)	1:53:B:ALA:HB1	1:81:B:LEU:HA	14	0.21	0.06	0.21
(1,1806)	1:53:B:ALA:HB2	1:81:B:LEU:HA	14	0.21	0.06	0.21
(1,1806)	1:53:B:ALA:HB3	1:81:B:LEU:HA	14	0.21	0.06	0.21
(1,627)	1:64:A:ASN:HA	1:64:A:ASN:HD22	14	0.14	0.02	0.14
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG2	13	0.43	0.16	0.47
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG3	13	0.43	0.16	0.47
(1,2464)	1:41:B:LEU:HG	1:44:B:PHE:HD1	13	0.3	0.1	0.32
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD2	13	0.27	0.13	0.24
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD3	13	0.27	0.13	0.24
(1,671)	1:54:A:VAL:HG21	1:57:A:VAL:H	13	0.15	0.03	0.16
(1,671)	1:54:A:VAL:HG22	1:57:A:VAL:H	13	0.15	0.03	0.16
(1,671)	1:54:A:VAL:HG23	1:57:A:VAL:H	13	0.15	0.03	0.16
(1,357)	1:72:A:GLN:HA	1:80:B:ALA:H	13	0.13	0.02	0.12
(1,1154)	1:28:B:LEU:HD21	1:29:B:SER:H	12	0.37	0.04	0.38
(1,1154)	1:28:B:LEU:HD22	1:29:B:SER:H	12	0.37	0.04	0.38
(1,1154)	1:28:B:LEU:HD23	1:29:B:SER:H	12	0.37	0.04	0.38
(1,2800)	1:28:B:LEU:HD11	1:32:B:GLU:H	12	0.31	0.05	0.3
(1,2800)	1:28:B:LEU:HD12	1:32:B:GLU:H	12	0.31	0.05	0.3
(1,2800)	1:28:B:LEU:HD13	1:32:B:GLU:H	12	0.31	0.05	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2800)	1:28:B:LEU:HD21	1:32:B:GLU:H	12	0.31	0.05	0.3
(1,2800)	1:28:B:LEU:HD22	1:32:B:GLU:H	12	0.31	0.05	0.3
(1,2800)	1:28:B:LEU:HD23	1:32:B:GLU:H	12	0.31	0.05	0.3
(1,459)	1:76:A:VAL:HG11	1:72:B:GLN:HE22	12	0.26	0.1	0.25
(1,459)	1:76:A:VAL:HG12	1:72:B:GLN:HE22	12	0.26	0.1	0.25
(1,459)	1:76:A:VAL:HG13	1:72:B:GLN:HE22	12	0.26	0.1	0.25
(1,1805)	1:53:A:ALA:HB1	1:81:A:LEU:HA	12	0.21	0.06	0.21
(1,1805)	1:53:A:ALA:HB2	1:81:A:LEU:HA	12	0.21	0.06	0.21
(1,1805)	1:53:A:ALA:HB3	1:81:A:LEU:HA	12	0.21	0.06	0.21
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG11	12	0.19	0.07	0.16
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG12	12	0.19	0.07	0.16
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG13	12	0.19	0.07	0.16
(1,672)	1:54:B:VAL:HG21	1:57:B:VAL:H	12	0.15	0.04	0.12
(1,672)	1:54:B:VAL:HG22	1:57:B:VAL:H	12	0.15	0.04	0.12
(1,672)	1:54:B:VAL:HG23	1:57:B:VAL:H	12	0.15	0.04	0.12
(1,2125)	1:21:A:LYS:HD2	1:32:A:GLU:HB2	11	0.82	0.32	0.87
(1,2125)	1:21:A:LYS:HD3	1:32:A:GLU:HB2	11	0.82	0.32	0.87
(1,1619)	1:52:A:ASP:HB2	1:53:A:ALA:HA	11	0.63	0.03	0.64
(1,1620)	1:52:B:ASP:HB2	1:53:B:ALA:HA	11	0.63	0.05	0.64
(1,1111)	1:52:A:ASP:HB2	1:53:A:ALA:H	11	0.41	0.04	0.4
(1,1795)	1:41:A:LEU:HD11	1:44:A:PHE:HD1	11	0.4	0.65	0.15
(1,1795)	1:41:A:LEU:HD12	1:44:A:PHE:HD1	11	0.4	0.65	0.15
(1,1795)	1:41:A:LEU:HD13	1:44:A:PHE:HD1	11	0.4	0.65	0.15
(1,1112)	1:52:B:ASP:HB2	1:53:B:ALA:H	11	0.38	0.05	0.4
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG11	11	0.26	0.11	0.32
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG12	11	0.26	0.11	0.32
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG13	11	0.26	0.11	0.32
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG21	11	0.26	0.11	0.32
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG22	11	0.26	0.11	0.32
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG23	11	0.26	0.11	0.32
(1,73)	1:9:A:GLU:HB2	1:13:A:ASN:HD21	11	0.24	0.11	0.23
(1,164)	1:13:B:ASN:HD22	1:14:B:VAL:H	11	0.21	0.07	0.17
(1,2164)	1:8:A:MET:HE1	1:78:B:VAL:HB	11	0.16	0.04	0.16
(1,2164)	1:8:A:MET:HE2	1:78:B:VAL:HB	11	0.16	0.04	0.16
(1,2164)	1:8:A:MET:HE3	1:78:B:VAL:HB	11	0.16	0.04	0.16
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD11	11	0.14	0.04	0.12
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD12	11	0.14	0.04	0.12
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD13	11	0.14	0.04	0.12
(1,1230)	1:72:B:GLN:HG2	1:73:B:GLU:H	11	0.14	0.03	0.14
(1,272)	1:40:B:GLU:HG3	1:41:B:LEU:H	10	0.24	0.04	0.26
(1,271)	1:40:A:GLU:HG3	1:41:A:LEU:H	10	0.24	0.03	0.26
(1,1576)	1:29:B:SER:HB3	1:30:B:LYS:HA	10	0.16	0.04	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1229)	1:72:A:GLN:HG2	1:73:A:GLU:H	10	0.15	0.02	0.15
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB2	10	0.13	0.02	0.14
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB3	10	0.13	0.02	0.14
(1,749)	1:60:A:GLU:HG3	1:64:A:ASN:HD22	9	0.94	0.27	1.0
(1,750)	1:60:B:GLU:HG3	1:64:B:ASN:HD22	9	0.9	0.38	0.96
(1,2126)	1:21:B:LYS:HD2	1:32:B:GLU:HB2	9	0.83	0.23	0.81
(1,2126)	1:21:B:LYS:HD3	1:32:B:GLU:HB2	9	0.83	0.23	0.81
(1,2889)	1:51:B:VAL:HG11	1:52:B:ASP:HB2	9	0.49	0.04	0.51
(1,2889)	1:51:B:VAL:HG12	1:52:B:ASP:HB2	9	0.49	0.04	0.51
(1,2889)	1:51:B:VAL:HG13	1:52:B:ASP:HB2	9	0.49	0.04	0.51
(1,2889)	1:51:B:VAL:HG21	1:52:B:ASP:HB2	9	0.49	0.04	0.51
(1,2889)	1:51:B:VAL:HG22	1:52:B:ASP:HB2	9	0.49	0.04	0.51
(1,2889)	1:51:B:VAL:HG23	1:52:B:ASP:HB2	9	0.49	0.04	0.51
(1,2696)	1:51:A:VAL:HG11	1:52:A:ASP:HB2	9	0.49	0.04	0.51
(1,2696)	1:51:A:VAL:HG12	1:52:A:ASP:HB2	9	0.49	0.04	0.51
(1,2696)	1:51:A:VAL:HG13	1:52:A:ASP:HB2	9	0.49	0.04	0.51
(1,2696)	1:51:A:VAL:HG21	1:52:A:ASP:HB2	9	0.49	0.04	0.51
(1,2696)	1:51:A:VAL:HG22	1:52:A:ASP:HB2	9	0.49	0.04	0.51
(1,2696)	1:51:A:VAL:HG23	1:52:A:ASP:HB2	9	0.49	0.04	0.51
(1,759)	1:60:A:GLU:HG3	1:64:A:ASN:HD21	9	0.42	0.2	0.46
(1,619)	1:65:A:GLY:H	1:67:A:GLY:H	9	0.28	0.12	0.27
(1,2813)	1:30:B:LYS:H	1:30:B:LYS:HD2	9	0.27	0.11	0.23
(1,2813)	1:30:B:LYS:H	1:30:B:LYS:HD3	9	0.27	0.11	0.23
(1,1796)	1:41:B:LEU:HD11	1:44:B:PHE:HD1	9	0.27	0.19	0.14
(1,1796)	1:41:B:LEU:HD12	1:44:B:PHE:HD1	9	0.27	0.19	0.14
(1,1796)	1:41:B:LEU:HD13	1:44:B:PHE:HD1	9	0.27	0.19	0.14
(1,1436)	1:31:B:LYS:HG2	1:66:B:ASP:HA	9	0.17	0.04	0.16
(1,1436)	1:31:B:LYS:HG3	1:66:B:ASP:HA	9	0.17	0.04	0.16
(1,2119)	1:21:A:LYS:HD2	1:32:A:GLU:HG2	8	0.72	0.21	0.76
(1,2119)	1:21:A:LYS:HD3	1:32:A:GLU:HG2	8	0.72	0.21	0.76
(1,760)	1:60:B:GLU:HG3	1:64:B:ASN:HD21	8	0.48	0.21	0.43
(1,2500)	1:36:B:LEU:HG	1:74:B:TYR:HE1	8	0.24	0.09	0.24
(1,1783)	1:80:A:ALA:HA	1:83:A:VAL:HB	8	0.17	0.04	0.16
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE1	8	0.16	0.04	0.16
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE2	8	0.16	0.04	0.16
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE3	8	0.16	0.04	0.16
(1,877)	1:40:A:GLU:H	1:40:A:GLU:HG3	8	0.14	0.02	0.15
(1,2437)	1:60:A:GLU:HA	1:60:A:GLU:HG3	8	0.14	0.01	0.14
(1,1661)	1:31:A:LYS:HG2	1:32:A:GLU:HB3	8	0.14	0.02	0.14
(1,1661)	1:31:A:LYS:HG3	1:32:A:GLU:HB3	8	0.14	0.02	0.14
(1,2120)	1:21:B:LYS:HD2	1:32:B:GLU:HG2	7	0.76	0.13	0.81
(1,2120)	1:21:B:LYS:HD3	1:32:B:GLU:HG2	7	0.76	0.13	0.81

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1369)	1:91:A:GLU:H	1:91:A:GLU:HB3	7	0.33	0.22	0.21
(1,2671)	1:41:A:LEU:HD21	1:5:B:GLU:HG2	7	0.21	0.09	0.2
(1,2671)	1:41:A:LEU:HD21	1:5:B:GLU:HG3	7	0.21	0.09	0.2
(1,2671)	1:41:A:LEU:HD22	1:5:B:GLU:HG2	7	0.21	0.09	0.2
(1,2671)	1:41:A:LEU:HD22	1:5:B:GLU:HG3	7	0.21	0.09	0.2
(1,2671)	1:41:A:LEU:HD23	1:5:B:GLU:HG2	7	0.21	0.09	0.2
(1,2671)	1:41:A:LEU:HD23	1:5:B:GLU:HG3	7	0.21	0.09	0.2
(1,456)	1:41:B:LEU:HB3	1:45:B:LEU:H	7	0.17	0.04	0.16
(1,1575)	1:29:A:SER:HB3	1:30:A:LYS:HA	7	0.17	0.02	0.16
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD11	7	0.15	0.03	0.13
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD12	7	0.15	0.03	0.13
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD13	7	0.15	0.03	0.13
(1,878)	1:40:B:GLU:H	1:40:B:GLU:HG3	7	0.14	0.03	0.15
(1,2438)	1:60:B:GLU:HA	1:60:B:GLU:HG3	7	0.14	0.01	0.14
(1,1782)	1:21:B:LYS:HG3	1:32:B:GLU:HB3	6	0.61	0.33	0.52
(1,1781)	1:21:A:LYS:HG3	1:32:A:GLU:HB3	6	0.56	0.29	0.44
(1,620)	1:65:B:GLY:H	1:67:B:GLY:H	6	0.28	0.18	0.19
(1,2720)	1:91:A:GLU:HG2	1:93:A:SER:H	6	0.26	0.06	0.29
(1,2720)	1:91:A:GLU:HG3	1:93:A:SER:H	6	0.26	0.06	0.29
(1,74)	1:9:B:GLU:HB2	1:13:B:ASN:HD21	6	0.24	0.07	0.23
(1,2530)	1:5:A:GLU:HG2	1:41:B:LEU:HD21	6	0.21	0.11	0.16
(1,2530)	1:5:A:GLU:HG2	1:41:B:LEU:HD22	6	0.21	0.11	0.16
(1,2530)	1:5:A:GLU:HG2	1:41:B:LEU:HD23	6	0.21	0.11	0.16
(1,2530)	1:5:A:GLU:HG3	1:41:B:LEU:HD21	6	0.21	0.11	0.16
(1,2530)	1:5:A:GLU:HG3	1:41:B:LEU:HD22	6	0.21	0.11	0.16
(1,2530)	1:5:A:GLU:HG3	1:41:B:LEU:HD23	6	0.21	0.11	0.16
(1,163)	1:13:A:ASN:HD22	1:14:A:VAL:H	6	0.2	0.04	0.2
(1,2106)	1:4:A:LEU:HD11	1:14:B:VAL:HB	6	0.19	0.04	0.19
(1,2106)	1:4:A:LEU:HD12	1:14:B:VAL:HB	6	0.19	0.04	0.19
(1,2106)	1:4:A:LEU:HD13	1:14:B:VAL:HB	6	0.19	0.04	0.19
(1,2227)	1:11:A:LEU:HD21	1:4:B:LEU:HA	6	0.14	0.02	0.15
(1,2227)	1:11:A:LEU:HD22	1:4:B:LEU:HA	6	0.14	0.02	0.15
(1,2227)	1:11:A:LEU:HD23	1:4:B:LEU:HA	6	0.14	0.02	0.15
(1,557)	1:14:A:VAL:H	1:17:A:ALA:H	6	0.11	0.0	0.11
(1,1370)	1:91:B:GLU:H	1:91:B:GLU:HB3	5	0.45	0.23	0.45
(1,1769)	1:21:A:LYS:HD2	1:32:A:GLU:HG3	5	0.42	0.18	0.49
(1,1769)	1:21:A:LYS:HD3	1:32:A:GLU:HG3	5	0.42	0.18	0.49
(1,1962)	1:31:B:LYS:HE2	1:32:B:GLU:HG3	5	0.33	0.13	0.42
(1,1962)	1:31:B:LYS:HE3	1:32:B:GLU:HG3	5	0.33	0.13	0.42
(1,2499)	1:36:A:LEU:HG	1:74:A:TYR:HE1	5	0.31	0.14	0.27
(1,2107)	1:30:A:LYS:HB3	1:61:A:LEU:HD21	5	0.27	0.07	0.25
(1,2107)	1:30:A:LYS:HB3	1:61:A:LEU:HD22	5	0.27	0.07	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2107)	1:30:A:LYS:HB3	1:61:A:LEU:HD23	5	0.27	0.07	0.25
(1,2913)	1:91:B:GLU:HG2	1:93:B:SER:H	5	0.26	0.06	0.28
(1,2913)	1:91:B:GLU:HG3	1:93:B:SER:H	5	0.26	0.06	0.28
(1,1770)	1:21:B:LYS:HD2	1:32:B:GLU:HG3	5	0.18	0.04	0.18
(1,1770)	1:21:B:LYS:HD3	1:32:B:GLU:HG3	5	0.18	0.04	0.18
(1,2384)	1:22:B:GLU:HA	1:22:B:GLU:HG2	5	0.13	0.01	0.13
(1,2384)	1:22:B:GLU:HA	1:22:B:GLU:HG3	5	0.13	0.01	0.13
(1,1784)	1:80:B:ALA:HA	1:83:B:VAL:HB	5	0.13	0.02	0.12
(1,1142)	1:58:B:MET:HB3	1:59:B:LYS:H	5	0.12	0.01	0.11
(1,2381)	1:4:A:LEU:HD21	1:7:A:ALA:HB1	4	0.52	0.5	0.3
(1,2381)	1:4:A:LEU:HD21	1:7:A:ALA:HB2	4	0.52	0.5	0.3
(1,2381)	1:4:A:LEU:HD21	1:7:A:ALA:HB3	4	0.52	0.5	0.3
(1,2381)	1:4:A:LEU:HD22	1:7:A:ALA:HB1	4	0.52	0.5	0.3
(1,2381)	1:4:A:LEU:HD22	1:7:A:ALA:HB2	4	0.52	0.5	0.3
(1,2381)	1:4:A:LEU:HD22	1:7:A:ALA:HB3	4	0.52	0.5	0.3
(1,2381)	1:4:A:LEU:HD23	1:7:A:ALA:HB1	4	0.52	0.5	0.3
(1,2381)	1:4:A:LEU:HD23	1:7:A:ALA:HB2	4	0.52	0.5	0.3
(1,2381)	1:4:A:LEU:HD23	1:7:A:ALA:HB3	4	0.52	0.5	0.3
(1,1918)	1:21:B:LYS:HD2	1:32:B:GLU:HB3	4	0.34	0.15	0.34
(1,1918)	1:21:B:LYS:HD3	1:32:B:GLU:HB3	4	0.34	0.15	0.34
(1,2252)	1:28:B:LEU:HD11	1:32:B:GLU:HB3	4	0.28	0.05	0.3
(1,2252)	1:28:B:LEU:HD12	1:32:B:GLU:HB3	4	0.28	0.05	0.3
(1,2252)	1:28:B:LEU:HD13	1:32:B:GLU:HB3	4	0.28	0.05	0.3
(1,2251)	1:28:A:LEU:HD11	1:32:A:GLU:HB3	4	0.27	0.02	0.26
(1,2251)	1:28:A:LEU:HD12	1:32:A:GLU:HB3	4	0.27	0.02	0.26
(1,2251)	1:28:A:LEU:HD13	1:32:A:GLU:HB3	4	0.27	0.02	0.26
(1,1435)	1:31:A:LYS:HG2	1:66:A:ASP:HA	4	0.26	0.08	0.28
(1,1435)	1:31:A:LYS:HG3	1:66:A:ASP:HA	4	0.26	0.08	0.28
(1,1151)	1:28:A:LEU:HD11	1:29:A:SER:H	4	0.22	0.07	0.22
(1,1151)	1:28:A:LEU:HD12	1:29:A:SER:H	4	0.22	0.07	0.22
(1,1151)	1:28:A:LEU:HD13	1:29:A:SER:H	4	0.22	0.07	0.22
(1,1416)	1:67:B:GLY:HA3	1:68:B:GLU:HB2	4	0.21	0.01	0.21
(1,1416)	1:67:B:GLY:HA3	1:68:B:GLU:HB3	4	0.21	0.01	0.21
(1,1662)	1:31:B:LYS:HG2	1:32:B:GLU:HB3	4	0.21	0.04	0.22
(1,1662)	1:31:B:LYS:HG3	1:32:B:GLU:HB3	4	0.21	0.04	0.22
(1,455)	1:41:A:LEU:HB3	1:45:A:LEU:H	4	0.21	0.06	0.22
(1,1961)	1:31:A:LYS:HE2	1:32:A:GLU:HG3	4	0.21	0.1	0.2
(1,1961)	1:31:A:LYS:HE3	1:32:A:GLU:HG3	4	0.21	0.1	0.2
(1,2108)	1:30:B:LYS:HB3	1:61:B:LEU:HD21	4	0.21	0.11	0.16
(1,2108)	1:30:B:LYS:HB3	1:61:B:LEU:HD22	4	0.21	0.11	0.16
(1,2108)	1:30:B:LYS:HB3	1:61:B:LEU:HD23	4	0.21	0.11	0.16
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG11	4	0.18	0.04	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG12	4	0.18	0.04	0.19
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG13	4	0.18	0.04	0.19
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG21	4	0.18	0.04	0.19
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG22	4	0.18	0.04	0.19
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG23	4	0.18	0.04	0.19
(1,2007)	1:30:A:LYS:HA	1:61:A:LEU:HD11	4	0.15	0.04	0.14
(1,2007)	1:30:A:LYS:HA	1:61:A:LEU:HD12	4	0.15	0.04	0.14
(1,2007)	1:30:A:LYS:HA	1:61:A:LEU:HD13	4	0.15	0.04	0.14
(1,2008)	1:30:B:LYS:HA	1:61:B:LEU:HD11	4	0.15	0.01	0.16
(1,2008)	1:30:B:LYS:HA	1:61:B:LEU:HD12	4	0.15	0.01	0.16
(1,2008)	1:30:B:LYS:HA	1:61:B:LEU:HD13	4	0.15	0.01	0.16
(1,2004)	1:28:B:LEU:HD21	1:32:B:GLU:HB3	4	0.15	0.03	0.14
(1,2004)	1:28:B:LEU:HD22	1:32:B:GLU:HB3	4	0.15	0.03	0.14
(1,2004)	1:28:B:LEU:HD23	1:32:B:GLU:HB3	4	0.15	0.03	0.14
(1,1566)	1:50:B:ASP:H	1:53:B:ALA:HB1	4	0.14	0.02	0.14
(1,1566)	1:50:B:ASP:H	1:53:B:ALA:HB2	4	0.14	0.02	0.14
(1,1566)	1:50:B:ASP:H	1:53:B:ALA:HB3	4	0.14	0.02	0.14
(1,2228)	1:4:A:LEU:HA	1:11:B:LEU:HD21	4	0.14	0.02	0.14
(1,2228)	1:4:A:LEU:HA	1:11:B:LEU:HD22	4	0.14	0.02	0.14
(1,2228)	1:4:A:LEU:HA	1:11:B:LEU:HD23	4	0.14	0.02	0.14
(1,1926)	1:21:B:LYS:HB2	1:32:B:GLU:HB2	4	0.14	0.02	0.15
(1,1926)	1:21:B:LYS:HB3	1:32:B:GLU:HB2	4	0.14	0.02	0.15
(1,1908)	1:47:B:ALA:HB1	1:49:B:LYS:HG2	4	0.13	0.02	0.14
(1,1908)	1:47:B:ALA:HB2	1:49:B:LYS:HG2	4	0.13	0.02	0.14
(1,1908)	1:47:B:ALA:HB3	1:49:B:LYS:HG2	4	0.13	0.02	0.14
(1,1141)	1:58:A:MET:HB3	1:59:A:LYS:H	4	0.12	0.01	0.12
(1,1834)	1:68:B:GLU:HA	1:68:B:GLU:HG2	4	0.12	0.01	0.12
(1,558)	1:14:B:VAL:H	1:17:B:ALA:H	4	0.11	0.01	0.12
(1,2415)	1:57:A:VAL:HG11	1:80:A:ALA:HB1	3	0.33	0.03	0.32
(1,2415)	1:57:A:VAL:HG11	1:80:A:ALA:HB2	3	0.33	0.03	0.32
(1,2415)	1:57:A:VAL:HG11	1:80:A:ALA:HB3	3	0.33	0.03	0.32
(1,2415)	1:57:A:VAL:HG12	1:80:A:ALA:HB1	3	0.33	0.03	0.32
(1,2415)	1:57:A:VAL:HG12	1:80:A:ALA:HB2	3	0.33	0.03	0.32
(1,2415)	1:57:A:VAL:HG12	1:80:A:ALA:HB3	3	0.33	0.03	0.32
(1,2415)	1:57:A:VAL:HG13	1:80:A:ALA:HB1	3	0.33	0.03	0.32
(1,2415)	1:57:A:VAL:HG13	1:80:A:ALA:HB2	3	0.33	0.03	0.32
(1,2415)	1:57:A:VAL:HG13	1:80:A:ALA:HB3	3	0.33	0.03	0.32
(1,1879)	1:68:A:GLU:HB2	1:69:A:VAL:HA	3	0.27	0.12	0.34
(1,1879)	1:68:A:GLU:HB3	1:69:A:VAL:HA	3	0.27	0.12	0.34
(1,1152)	1:28:B:LEU:HD11	1:29:B:SER:H	3	0.19	0.02	0.17
(1,1152)	1:28:B:LEU:HD12	1:29:B:SER:H	3	0.19	0.02	0.17
(1,1152)	1:28:B:LEU:HD13	1:29:B:SER:H	3	0.19	0.02	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,530)	1:48:B:GLN:HA	1:50:B:ASP:H	3	0.18	0.1	0.11
(1,1565)	1:50:A:ASP:H	1:53:A:ALA:HB1	3	0.14	0.03	0.13
(1,1565)	1:50:A:ASP:H	1:53:A:ALA:HB2	3	0.14	0.03	0.13
(1,1565)	1:50:A:ASP:H	1:53:A:ALA:HB3	3	0.14	0.03	0.13
(1,1855)	1:68:A:GLU:HA	1:68:A:GLU:HG3	3	0.14	0.02	0.15
(1,45)	1:61:A:LEU:HD11	1:66:A:ASP:H	3	0.12	0.01	0.12
(1,45)	1:61:A:LEU:HD12	1:66:A:ASP:H	3	0.12	0.01	0.12
(1,45)	1:61:A:LEU:HD13	1:66:A:ASP:H	3	0.12	0.01	0.12
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD11	3	0.12	0.01	0.12
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD12	3	0.12	0.01	0.12
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD13	3	0.12	0.01	0.12
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD21	3	0.12	0.01	0.12
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD22	3	0.12	0.01	0.12
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD23	3	0.12	0.01	0.12
(1,46)	1:61:B:LEU:HD11	1:66:B:ASP:H	3	0.11	0.0	0.11
(1,46)	1:61:B:LEU:HD12	1:66:B:ASP:H	3	0.11	0.0	0.11
(1,46)	1:61:B:LEU:HD13	1:66:B:ASP:H	3	0.11	0.0	0.11
(1,358)	1:80:A:ALA:H	1:72:B:GLN:HA	3	0.11	0.01	0.12
(1,768)	1:74:B:TYR:H	1:76:B:VAL:H	3	0.11	0.0	0.11
(1,317)	1:20:A:GLY:H	1:28:A:LEU:HB3	2	0.38	0.01	0.38
(1,1925)	1:21:A:LYS:HB2	1:32:A:GLU:HB2	2	0.34	0.2	0.34
(1,1925)	1:21:A:LYS:HB3	1:32:A:GLU:HB2	2	0.34	0.2	0.34
(1,1917)	1:21:A:LYS:HD2	1:32:A:GLU:HB3	2	0.32	0.12	0.32
(1,1917)	1:21:A:LYS:HD3	1:32:A:GLU:HB3	2	0.32	0.12	0.32
(1,1665)	1:30:A:LYS:HB2	1:64:A:ASN:HB2	2	0.26	0.09	0.26
(1,1907)	1:47:A:ALA:HB1	1:49:A:LYS:HG2	2	0.23	0.05	0.23
(1,1907)	1:47:A:ALA:HB2	1:49:A:LYS:HG2	2	0.23	0.05	0.23
(1,1907)	1:47:A:ALA:HB3	1:49:A:LYS:HG2	2	0.23	0.05	0.23
(1,2740)	1:13:B:ASN:HD21	1:14:B:VAL:HG11	2	0.22	0.02	0.22
(1,2740)	1:13:B:ASN:HD21	1:14:B:VAL:HG12	2	0.22	0.02	0.22
(1,2740)	1:13:B:ASN:HD21	1:14:B:VAL:HG13	2	0.22	0.02	0.22
(1,2740)	1:13:B:ASN:HD21	1:14:B:VAL:HG21	2	0.22	0.02	0.22
(1,2740)	1:13:B:ASN:HD21	1:14:B:VAL:HG22	2	0.22	0.02	0.22
(1,2740)	1:13:B:ASN:HD21	1:14:B:VAL:HG23	2	0.22	0.02	0.22
(1,2037)	1:30:A:LYS:HB3	1:61:A:LEU:HA	2	0.2	0.06	0.2
(1,811)	1:80:A:ALA:H	1:81:A:LEU:HB2	2	0.16	0.04	0.16
(1,1856)	1:68:B:GLU:HA	1:68:B:GLU:HG3	2	0.15	0.01	0.15
(1,210)	1:27:B:LYS:HA	1:69:B:VAL:H	2	0.15	0.04	0.15
(1,2003)	1:28:A:LEU:HD21	1:32:A:GLU:HB3	2	0.15	0.02	0.15
(1,2003)	1:28:A:LEU:HD22	1:32:A:GLU:HB3	2	0.15	0.02	0.15
(1,2003)	1:28:A:LEU:HD23	1:32:A:GLU:HB3	2	0.15	0.02	0.15
(1,2416)	1:57:B:VAL:HG11	1:80:B:ALA:HB1	2	0.14	0.03	0.14

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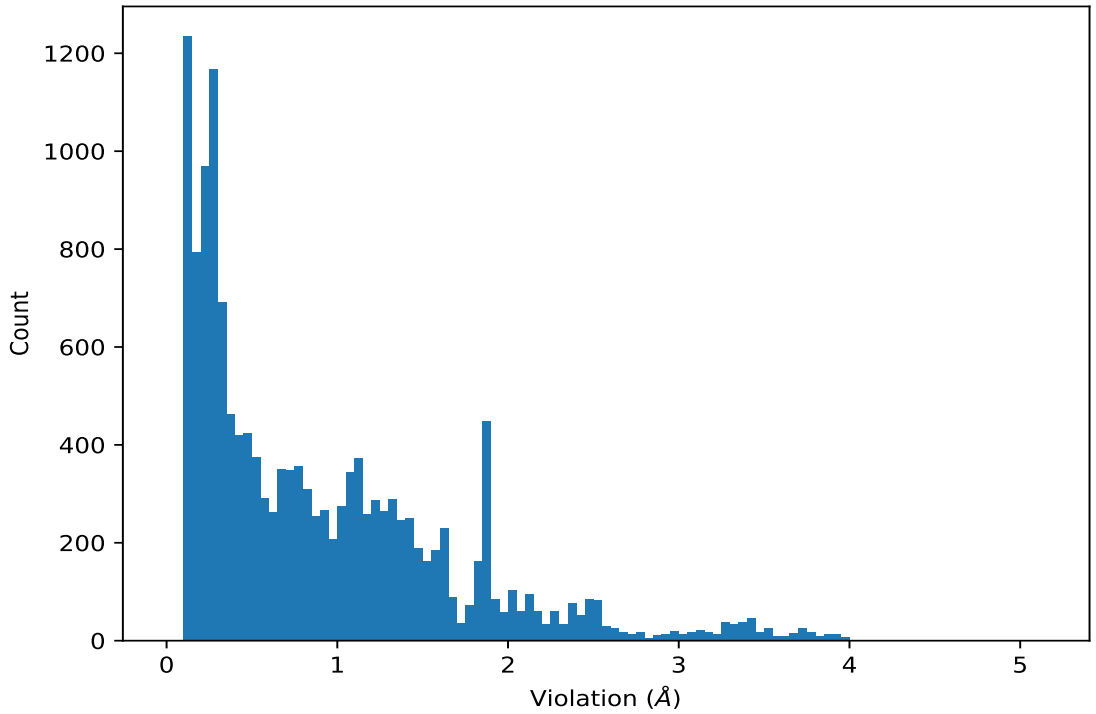
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2416)	1:57:B:VAL:HG11	1:80:B:ALA:HB2	2	0.14	0.03	0.14
(1,2416)	1:57:B:VAL:HG11	1:80:B:ALA:HB3	2	0.14	0.03	0.14
(1,2416)	1:57:B:VAL:HG12	1:80:B:ALA:HB1	2	0.14	0.03	0.14
(1,2416)	1:57:B:VAL:HG12	1:80:B:ALA:HB2	2	0.14	0.03	0.14
(1,2416)	1:57:B:VAL:HG12	1:80:B:ALA:HB3	2	0.14	0.03	0.14
(1,2416)	1:57:B:VAL:HG13	1:80:B:ALA:HB1	2	0.14	0.03	0.14
(1,2416)	1:57:B:VAL:HG13	1:80:B:ALA:HB2	2	0.14	0.03	0.14
(1,2416)	1:57:B:VAL:HG13	1:80:B:ALA:HB3	2	0.14	0.03	0.14
(1,1415)	1:67:A:GLY:HA3	1:68:A:GLU:HB2	2	0.14	0.02	0.14
(1,1415)	1:67:A:GLY:HA3	1:68:A:GLU:HB3	2	0.14	0.02	0.14
(1,1722)	1:8:A:MET:HG3	1:41:B:LEU:HD21	2	0.14	0.04	0.14
(1,1722)	1:8:A:MET:HG3	1:41:B:LEU:HD22	2	0.14	0.04	0.14
(1,1722)	1:8:A:MET:HG3	1:41:B:LEU:HD23	2	0.14	0.04	0.14
(1,2665)	1:38:A:GLN:HE22	1:45:A:LEU:HD11	2	0.12	0.01	0.12
(1,2665)	1:38:A:GLN:HE22	1:45:A:LEU:HD12	2	0.12	0.01	0.12
(1,2665)	1:38:A:GLN:HE22	1:45:A:LEU:HD13	2	0.12	0.01	0.12
(1,2665)	1:38:A:GLN:HE22	1:45:A:LEU:HD21	2	0.12	0.01	0.12
(1,2665)	1:38:A:GLN:HE22	1:45:A:LEU:HD22	2	0.12	0.01	0.12
(1,2665)	1:38:A:GLN:HE22	1:45:A:LEU:HD23	2	0.12	0.01	0.12
(1,988)	1:12:B:ILE:HA	1:15:B:PHE:H	2	0.12	0.01	0.12
(1,2017)	1:28:A:LEU:HD21	1:32:A:GLU:HA	2	0.12	0.02	0.12
(1,2017)	1:28:A:LEU:HD22	1:32:A:GLU:HA	2	0.12	0.02	0.12
(1,2017)	1:28:A:LEU:HD23	1:32:A:GLU:HA	2	0.12	0.02	0.12
(1,529)	1:48:A:GLN:HA	1:50:A:ASP:H	2	0.11	0.0	0.11
(1,637)	1:80:A:ALA:H	1:83:A:VAL:HG11	2	0.11	0.0	0.11
(1,637)	1:80:A:ALA:H	1:83:A:VAL:HG12	2	0.11	0.0	0.11
(1,637)	1:80:A:ALA:H	1:83:A:VAL:HG13	2	0.11	0.0	0.11
(1,1825)	1:28:A:LEU:HD11	1:32:A:GLU:HA	2	0.11	0.0	0.11
(1,1825)	1:28:A:LEU:HD12	1:32:A:GLU:HA	2	0.11	0.0	0.11
(1,1825)	1:28:A:LEU:HD13	1:32:A:GLU:HA	2	0.11	0.0	0.11
(1,1869)	1:12:A:ILE:HG21	1:71:A:PHE:HE1	2	0.11	0.01	0.11
(1,1869)	1:12:A:ILE:HG22	1:71:A:PHE:HE1	2	0.11	0.01	0.11
(1,1869)	1:12:A:ILE:HG23	1:71:A:PHE:HE1	2	0.11	0.01	0.11

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE2	3	5.14
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE3	3	5.14
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE2	1	4.51
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE3	1	4.51
(1,2478)	1:41:B:LEU:HB3	1:44:B:PHE:HE1	4	4.08
(1,2477)	1:41:A:LEU:HB3	1:44:A:PHE:HE1	13	4.05
(1,2478)	1:41:B:LEU:HB3	1:44:B:PHE:HE1	14	4.03
(1,2477)	1:41:A:LEU:HB3	1:44:A:PHE:HE1	4	4.01
(1,2478)	1:41:B:LEU:HB3	1:44:B:PHE:HE1	9	3.99
(1,2477)	1:41:A:LEU:HB3	1:44:A:PHE:HE1	7	3.98
(1,2477)	1:41:A:LEU:HB3	1:44:A:PHE:HE1	17	3.98
(1,2477)	1:41:A:LEU:HB3	1:44:A:PHE:HE1	2	3.97
(1,2477)	1:41:A:LEU:HB3	1:44:A:PHE:HE1	5	3.97
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE2	11	3.95
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE3	11	3.95
(1,2478)	1:41:B:LEU:HB3	1:44:B:PHE:HE1	19	3.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG21	15	3.94
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG22	15	3.94
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG23	15	3.94
(1,2477)	1:41:A:LEU:HB3	1:44:A:PHE:HE1	6	3.93
(1,2478)	1:41:B:LEU:HB3	1:44:B:PHE:HE1	15	3.92
(1,2477)	1:41:A:LEU:HB3	1:44:A:PHE:HE1	18	3.92
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE2	14	3.92
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE3	14	3.92
(1,2478)	1:41:B:LEU:HB3	1:44:B:PHE:HE1	2	3.91
(1,2478)	1:41:B:LEU:HB3	1:44:B:PHE:HE1	11	3.91
(1,2477)	1:41:A:LEU:HB3	1:44:A:PHE:HE1	9	3.91
(1,2477)	1:41:A:LEU:HB3	1:44:A:PHE:HE1	10	3.91
(1,2477)	1:41:A:LEU:HB3	1:44:A:PHE:HE1	15	3.91
(1,2478)	1:41:B:LEU:HB3	1:44:B:PHE:HE1	1	3.89
(1,2477)	1:41:A:LEU:HB3	1:44:A:PHE:HE1	12	3.89
(1,2477)	1:41:A:LEU:HB3	1:44:A:PHE:HE1	14	3.88
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE2	2	3.88
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE3	2	3.88
(1,2478)	1:41:B:LEU:HB3	1:44:B:PHE:HE1	18	3.87
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG21	12	3.87
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG22	12	3.87
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG23	12	3.87
(1,2478)	1:41:B:LEU:HB3	1:44:B:PHE:HE1	20	3.86
(1,2477)	1:41:A:LEU:HB3	1:44:A:PHE:HE1	1	3.86
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG21	16	3.85
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG22	16	3.85
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG23	16	3.85
(1,2478)	1:41:B:LEU:HB3	1:44:B:PHE:HE1	6	3.84
(1,2477)	1:41:A:LEU:HB3	1:44:A:PHE:HE1	8	3.84
(1,2478)	1:41:B:LEU:HB3	1:44:B:PHE:HE1	3	3.83
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG21	17	3.83
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG22	17	3.83
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG23	17	3.83
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG21	5	3.82
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG22	5	3.82
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG23	5	3.82
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG21	8	3.79
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG22	8	3.79
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG23	8	3.79
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG21	14	3.79
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG22	14	3.79
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG23	14	3.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG21	13	3.78
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG22	13	3.78
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG23	13	3.78
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG21	18	3.78
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG22	18	3.78
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG23	18	3.78
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG21	2	3.76
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG22	2	3.76
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG23	2	3.76
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG21	11	3.75
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG22	11	3.75
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG23	11	3.75
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG21	9	3.74
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG22	9	3.74
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG23	9	3.74
(1,2478)	1:41:B:LEU:HB3	1:44:B:PHE:HE1	17	3.73
(1,2477)	1:41:A:LEU:HB3	1:44:A:PHE:HE1	20	3.73
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG21	15	3.72
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG22	15	3.72
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG23	15	3.72
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG21	18	3.72
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG22	18	3.72
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG23	18	3.72
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG21	1	3.72
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG22	1	3.72
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG23	1	3.72
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG21	4	3.71
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG22	4	3.71
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG23	4	3.71
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG21	6	3.71
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG22	6	3.71
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG23	6	3.71
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG21	7	3.7
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG22	7	3.7
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG23	7	3.7
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG21	19	3.7
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG22	19	3.7
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG23	19	3.7
(1,2478)	1:41:B:LEU:HB3	1:44:B:PHE:HE1	16	3.68
(1,2477)	1:41:A:LEU:HB3	1:44:A:PHE:HE1	19	3.68
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG21	19	3.68
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG22	19	3.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG23	19	3.68
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG21	2	3.67
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG22	2	3.67
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG23	2	3.67
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG21	3	3.67
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG22	3	3.67
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG23	3	3.67
(1,2477)	1:41:A:LEU:HB3	1:44:A:PHE:HE1	3	3.66
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG21	10	3.66
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG22	10	3.66
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG23	10	3.66
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG21	6	3.65
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG22	6	3.65
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG23	6	3.65
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG21	20	3.64
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG22	20	3.64
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG23	20	3.64
(1,2478)	1:41:B:LEU:HB3	1:44:B:PHE:HE1	13	3.62
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG21	9	3.61
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG22	9	3.61
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG23	9	3.61
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE2	3	3.59
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE3	3	3.59
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG21	20	3.58
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG22	20	3.58
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG23	20	3.58
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE2	18	3.57
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE3	18	3.57
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG21	1	3.56
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG22	1	3.56
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG23	1	3.56
(1,2478)	1:41:B:LEU:HB3	1:44:B:PHE:HE1	7	3.55
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG21	13	3.55
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG22	13	3.55
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG23	13	3.55
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG21	3	3.55
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG22	3	3.55
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG23	3	3.55
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE1	15	3.54
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE2	15	3.54
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE3	15	3.54
(1,1750)	1:8:A:MET:HE1	1:44:B:PHE:HE1	18	3.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1750)	1:8:A:MET:HE2	1:44:B:PHE:HE1	18	3.53
(1,1750)	1:8:A:MET:HE3	1:44:B:PHE:HE1	18	3.53
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE2	3	3.53
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE3	3	3.53
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG21	4	3.52
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG22	4	3.52
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG23	4	3.52
(1,2478)	1:41:B:LEU:HB3	1:44:B:PHE:HE1	10	3.5
(1,1750)	1:8:A:MET:HE1	1:44:B:PHE:HE1	15	3.5
(1,1750)	1:8:A:MET:HE2	1:44:B:PHE:HE1	15	3.5
(1,1750)	1:8:A:MET:HE3	1:44:B:PHE:HE1	15	3.5
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG21	16	3.5
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG22	16	3.5
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG23	16	3.5
(1,2512)	1:41:B:LEU:HD21	1:44:B:PHE:HE1	19	3.49
(1,2512)	1:41:B:LEU:HD22	1:44:B:PHE:HE1	19	3.49
(1,2512)	1:41:B:LEU:HD23	1:44:B:PHE:HE1	19	3.49
(1,2512)	1:41:B:LEU:HD21	1:44:B:PHE:HE1	1	3.48
(1,2512)	1:41:B:LEU:HD22	1:44:B:PHE:HE1	1	3.48
(1,2512)	1:41:B:LEU:HD23	1:44:B:PHE:HE1	1	3.48
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG21	14	3.48
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG22	14	3.48
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG23	14	3.48
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG21	17	3.47
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG22	17	3.47
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG23	17	3.47
(1,2511)	1:41:A:LEU:HD21	1:44:A:PHE:HE1	15	3.46
(1,2511)	1:41:A:LEU:HD22	1:44:A:PHE:HE1	15	3.46
(1,2511)	1:41:A:LEU:HD23	1:44:A:PHE:HE1	15	3.46
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG21	5	3.45
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG22	5	3.45
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG23	5	3.45
(1,2512)	1:41:B:LEU:HD21	1:44:B:PHE:HE1	9	3.44
(1,2512)	1:41:B:LEU:HD22	1:44:B:PHE:HE1	9	3.44
(1,2512)	1:41:B:LEU:HD23	1:44:B:PHE:HE1	9	3.44
(1,1750)	1:8:A:MET:HE1	1:44:B:PHE:HE1	20	3.44
(1,1750)	1:8:A:MET:HE2	1:44:B:PHE:HE1	20	3.44
(1,1750)	1:8:A:MET:HE3	1:44:B:PHE:HE1	20	3.44
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE1	7	3.44
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE2	7	3.44
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE3	7	3.44
(1,2512)	1:41:B:LEU:HD21	1:44:B:PHE:HE1	20	3.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2512)	1:41:B:LEU:HD22	1:44:B:PHE:HE1	20	3.43
(1,2512)	1:41:B:LEU:HD23	1:44:B:PHE:HE1	20	3.43
(1,2511)	1:41:A:LEU:HD21	1:44:A:PHE:HE1	12	3.43
(1,2511)	1:41:A:LEU:HD22	1:44:A:PHE:HE1	12	3.43
(1,2511)	1:41:A:LEU:HD23	1:44:A:PHE:HE1	12	3.43
(1,2478)	1:41:B:LEU:HB3	1:44:B:PHE:HE1	5	3.43
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE1	12	3.43
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE2	12	3.43
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE3	12	3.43
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG21	11	3.43
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG22	11	3.43
(1,1397)	1:44:A:PHE:HE1	1:78:A:VAL:HG23	11	3.43
(1,2511)	1:41:A:LEU:HD21	1:44:A:PHE:HE1	2	3.42
(1,2511)	1:41:A:LEU:HD22	1:44:A:PHE:HE1	2	3.42
(1,2511)	1:41:A:LEU:HD23	1:44:A:PHE:HE1	2	3.42
(1,2511)	1:41:A:LEU:HD21	1:44:A:PHE:HE1	6	3.42
(1,2511)	1:41:A:LEU:HD22	1:44:A:PHE:HE1	6	3.42
(1,2511)	1:41:A:LEU:HD23	1:44:A:PHE:HE1	6	3.42
(1,2512)	1:41:B:LEU:HD21	1:44:B:PHE:HE1	14	3.41
(1,2512)	1:41:B:LEU:HD22	1:44:B:PHE:HE1	14	3.41
(1,2512)	1:41:B:LEU:HD23	1:44:B:PHE:HE1	14	3.41
(1,2511)	1:41:A:LEU:HD21	1:44:A:PHE:HE1	10	3.41
(1,2511)	1:41:A:LEU:HD22	1:44:A:PHE:HE1	10	3.41
(1,2511)	1:41:A:LEU:HD23	1:44:A:PHE:HE1	10	3.41
(1,2511)	1:41:A:LEU:HD21	1:44:A:PHE:HE1	18	3.41
(1,2511)	1:41:A:LEU:HD22	1:44:A:PHE:HE1	18	3.41
(1,2511)	1:41:A:LEU:HD23	1:44:A:PHE:HE1	18	3.41
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE2	7	3.41
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE3	7	3.41
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE1	8	3.41
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE2	8	3.41
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE3	8	3.41
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE1	16	3.41
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE2	16	3.41
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE3	16	3.41
(1,2512)	1:41:B:LEU:HD21	1:44:B:PHE:HE1	15	3.4
(1,2512)	1:41:B:LEU:HD22	1:44:B:PHE:HE1	15	3.4
(1,2512)	1:41:B:LEU:HD23	1:44:B:PHE:HE1	15	3.4
(1,2511)	1:41:A:LEU:HD21	1:44:A:PHE:HE1	17	3.4
(1,2511)	1:41:A:LEU:HD22	1:44:A:PHE:HE1	17	3.4
(1,2511)	1:41:A:LEU:HD23	1:44:A:PHE:HE1	17	3.4
(1,2511)	1:41:A:LEU:HD21	1:44:A:PHE:HE1	4	3.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2511)	1:41:A:LEU:HD22	1:44:A:PHE:HE1	4	3.39
(1,2511)	1:41:A:LEU:HD23	1:44:A:PHE:HE1	4	3.39
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE2	19	3.39
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE3	19	3.39
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG21	7	3.39
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG22	7	3.39
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG23	7	3.39
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE1	14	3.38
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE2	14	3.38
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE3	14	3.38
(1,2512)	1:41:B:LEU:HD21	1:44:B:PHE:HE1	4	3.37
(1,2512)	1:41:B:LEU:HD22	1:44:B:PHE:HE1	4	3.37
(1,2512)	1:41:B:LEU:HD23	1:44:B:PHE:HE1	4	3.37
(1,2511)	1:41:A:LEU:HD21	1:44:A:PHE:HE1	7	3.37
(1,2511)	1:41:A:LEU:HD22	1:44:A:PHE:HE1	7	3.37
(1,2511)	1:41:A:LEU:HD23	1:44:A:PHE:HE1	7	3.37
(1,2512)	1:41:B:LEU:HD21	1:44:B:PHE:HE1	18	3.36
(1,2512)	1:41:B:LEU:HD22	1:44:B:PHE:HE1	18	3.36
(1,2512)	1:41:B:LEU:HD23	1:44:B:PHE:HE1	18	3.36
(1,2511)	1:41:A:LEU:HD21	1:44:A:PHE:HE1	14	3.36
(1,2511)	1:41:A:LEU:HD22	1:44:A:PHE:HE1	14	3.36
(1,2511)	1:41:A:LEU:HD23	1:44:A:PHE:HE1	14	3.36
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE1	18	3.36
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE2	18	3.36
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE3	18	3.36
(1,1750)	1:8:A:MET:HE1	1:44:B:PHE:HE1	11	3.35
(1,1750)	1:8:A:MET:HE2	1:44:B:PHE:HE1	11	3.35
(1,1750)	1:8:A:MET:HE3	1:44:B:PHE:HE1	11	3.35
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE1	17	3.35
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE2	17	3.35
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE3	17	3.35
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE2	13	3.34
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE3	13	3.34
(1,1750)	1:8:A:MET:HE1	1:44:B:PHE:HE1	2	3.34
(1,1750)	1:8:A:MET:HE2	1:44:B:PHE:HE1	2	3.34
(1,1750)	1:8:A:MET:HE3	1:44:B:PHE:HE1	2	3.34
(1,1750)	1:8:A:MET:HE1	1:44:B:PHE:HE1	17	3.34
(1,1750)	1:8:A:MET:HE2	1:44:B:PHE:HE1	17	3.34
(1,1750)	1:8:A:MET:HE3	1:44:B:PHE:HE1	17	3.34
(1,2512)	1:41:B:LEU:HD21	1:44:B:PHE:HE1	11	3.33
(1,2512)	1:41:B:LEU:HD22	1:44:B:PHE:HE1	11	3.33
(1,2512)	1:41:B:LEU:HD23	1:44:B:PHE:HE1	11	3.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2511)	1:41:A:LEU:HD21	1:44:A:PHE:HE1	1	3.33
(1,2511)	1:41:A:LEU:HD22	1:44:A:PHE:HE1	1	3.33
(1,2511)	1:41:A:LEU:HD23	1:44:A:PHE:HE1	1	3.33
(1,2511)	1:41:A:LEU:HD21	1:44:A:PHE:HE1	5	3.33
(1,2511)	1:41:A:LEU:HD22	1:44:A:PHE:HE1	5	3.33
(1,2511)	1:41:A:LEU:HD23	1:44:A:PHE:HE1	5	3.33
(1,2511)	1:41:A:LEU:HD21	1:44:A:PHE:HE1	13	3.33
(1,2511)	1:41:A:LEU:HD22	1:44:A:PHE:HE1	13	3.33
(1,2511)	1:41:A:LEU:HD23	1:44:A:PHE:HE1	13	3.33
(1,1750)	1:8:A:MET:HE1	1:44:B:PHE:HE1	19	3.32
(1,1750)	1:8:A:MET:HE2	1:44:B:PHE:HE1	19	3.32
(1,1750)	1:8:A:MET:HE3	1:44:B:PHE:HE1	19	3.32
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG21	8	3.32
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG22	8	3.32
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG23	8	3.32
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG21	10	3.32
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG22	10	3.32
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG23	10	3.32
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG21	12	3.32
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG22	12	3.32
(1,1398)	1:44:B:PHE:HE1	1:78:B:VAL:HG23	12	3.32
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE2	9	3.31
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE3	9	3.31
(1,2512)	1:41:B:LEU:HD21	1:44:B:PHE:HE1	2	3.3
(1,2512)	1:41:B:LEU:HD22	1:44:B:PHE:HE1	2	3.3
(1,2512)	1:41:B:LEU:HD23	1:44:B:PHE:HE1	2	3.3
(1,2512)	1:41:B:LEU:HD21	1:44:B:PHE:HE1	3	3.3
(1,2512)	1:41:B:LEU:HD22	1:44:B:PHE:HE1	3	3.3
(1,2512)	1:41:B:LEU:HD23	1:44:B:PHE:HE1	3	3.3
(1,2511)	1:41:A:LEU:HD21	1:44:A:PHE:HE1	8	3.3
(1,2511)	1:41:A:LEU:HD22	1:44:A:PHE:HE1	8	3.3
(1,2511)	1:41:A:LEU:HD23	1:44:A:PHE:HE1	8	3.3
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE2	2	3.29
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE3	2	3.29
(1,1750)	1:8:A:MET:HE1	1:44:B:PHE:HE1	4	3.29
(1,1750)	1:8:A:MET:HE2	1:44:B:PHE:HE1	4	3.29
(1,1750)	1:8:A:MET:HE3	1:44:B:PHE:HE1	4	3.29
(1,1750)	1:8:A:MET:HE1	1:44:B:PHE:HE1	6	3.29
(1,1750)	1:8:A:MET:HE2	1:44:B:PHE:HE1	6	3.29
(1,1750)	1:8:A:MET:HE3	1:44:B:PHE:HE1	6	3.29
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE1	1	3.29
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE2	1	3.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE3	1	3.29
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE1	6	3.29
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE2	6	3.29
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE3	6	3.29
(1,1750)	1:8:A:MET:HE1	1:44:B:PHE:HE1	9	3.28
(1,1750)	1:8:A:MET:HE2	1:44:B:PHE:HE1	9	3.28
(1,1750)	1:8:A:MET:HE3	1:44:B:PHE:HE1	9	3.28
(1,2480)	1:44:A:PHE:HE1	1:8:B:MET:HG2	15	3.27
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE1	2	3.27
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE2	2	3.27
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE3	2	3.27
(1,2479)	1:8:A:MET:HG2	1:44:B:PHE:HE1	15	3.25
(1,1750)	1:8:A:MET:HE1	1:44:B:PHE:HE1	1	3.25
(1,1750)	1:8:A:MET:HE2	1:44:B:PHE:HE1	1	3.25
(1,1750)	1:8:A:MET:HE3	1:44:B:PHE:HE1	1	3.25
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE1	19	3.25
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE2	19	3.25
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE3	19	3.25
(1,1750)	1:8:A:MET:HE1	1:44:B:PHE:HE1	3	3.24
(1,1750)	1:8:A:MET:HE2	1:44:B:PHE:HE1	3	3.24
(1,1750)	1:8:A:MET:HE3	1:44:B:PHE:HE1	3	3.24
(1,2511)	1:41:A:LEU:HD21	1:44:A:PHE:HE1	3	3.22
(1,2511)	1:41:A:LEU:HD22	1:44:A:PHE:HE1	3	3.22
(1,2511)	1:41:A:LEU:HD23	1:44:A:PHE:HE1	3	3.22
(1,2479)	1:8:A:MET:HG2	1:44:B:PHE:HE1	19	3.22
(1,2511)	1:41:A:LEU:HD21	1:44:A:PHE:HE1	9	3.21
(1,2511)	1:41:A:LEU:HD22	1:44:A:PHE:HE1	9	3.21
(1,2511)	1:41:A:LEU:HD23	1:44:A:PHE:HE1	9	3.21
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE1	3	3.21
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE2	3	3.21
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE3	3	3.21
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE1	10	3.19
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE2	10	3.19
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE3	10	3.19
(1,2512)	1:41:B:LEU:HD21	1:44:B:PHE:HE1	16	3.18
(1,2512)	1:41:B:LEU:HD22	1:44:B:PHE:HE1	16	3.18
(1,2512)	1:41:B:LEU:HD23	1:44:B:PHE:HE1	16	3.18
(1,2479)	1:8:A:MET:HG2	1:44:B:PHE:HE1	3	3.18
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE1	9	3.18
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE2	9	3.18
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE3	9	3.18
(1,2480)	1:44:A:PHE:HE1	1:8:B:MET:HG2	12	3.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1750)	1:8:A:MET:HE1	1:44:B:PHE:HE1	7	3.17
(1,1750)	1:8:A:MET:HE2	1:44:B:PHE:HE1	7	3.17
(1,1750)	1:8:A:MET:HE3	1:44:B:PHE:HE1	7	3.17
(1,2512)	1:41:B:LEU:HD21	1:44:B:PHE:HE1	6	3.16
(1,2512)	1:41:B:LEU:HD22	1:44:B:PHE:HE1	6	3.16
(1,2512)	1:41:B:LEU:HD23	1:44:B:PHE:HE1	6	3.16
(1,2479)	1:8:A:MET:HG2	1:44:B:PHE:HE1	20	3.16
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE2	4	3.15
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE3	4	3.15
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE1	11	3.15
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE2	11	3.15
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE3	11	3.15
(1,2511)	1:41:A:LEU:HD21	1:44:A:PHE:HE1	19	3.14
(1,2511)	1:41:A:LEU:HD22	1:44:A:PHE:HE1	19	3.14
(1,2511)	1:41:A:LEU:HD23	1:44:A:PHE:HE1	19	3.14
(1,2511)	1:41:A:LEU:HD21	1:44:A:PHE:HE1	20	3.14
(1,2511)	1:41:A:LEU:HD22	1:44:A:PHE:HE1	20	3.14
(1,2511)	1:41:A:LEU:HD23	1:44:A:PHE:HE1	20	3.14
(1,2480)	1:44:A:PHE:HE1	1:8:B:MET:HG2	18	3.13
(1,1750)	1:8:A:MET:HE1	1:44:B:PHE:HE1	5	3.13
(1,1750)	1:8:A:MET:HE2	1:44:B:PHE:HE1	5	3.13
(1,1750)	1:8:A:MET:HE3	1:44:B:PHE:HE1	5	3.13
(1,2512)	1:41:B:LEU:HD21	1:44:B:PHE:HE1	17	3.11
(1,2512)	1:41:B:LEU:HD22	1:44:B:PHE:HE1	17	3.11
(1,2512)	1:41:B:LEU:HD23	1:44:B:PHE:HE1	17	3.11
(1,1750)	1:8:A:MET:HE1	1:44:B:PHE:HE1	13	3.11
(1,1750)	1:8:A:MET:HE2	1:44:B:PHE:HE1	13	3.11
(1,1750)	1:8:A:MET:HE3	1:44:B:PHE:HE1	13	3.11
(1,2478)	1:41:B:LEU:HB3	1:44:B:PHE:HE1	8	3.1
(1,1809)	1:41:A:LEU:HD11	1:44:A:PHE:HE1	16	3.09
(1,1809)	1:41:A:LEU:HD12	1:44:A:PHE:HE1	16	3.09
(1,1809)	1:41:A:LEU:HD13	1:44:A:PHE:HE1	16	3.09
(1,1750)	1:8:A:MET:HE1	1:44:B:PHE:HE1	8	3.09
(1,1750)	1:8:A:MET:HE2	1:44:B:PHE:HE1	8	3.09
(1,1750)	1:8:A:MET:HE3	1:44:B:PHE:HE1	8	3.09
(1,1750)	1:8:A:MET:HE1	1:44:B:PHE:HE1	10	3.08
(1,1750)	1:8:A:MET:HE2	1:44:B:PHE:HE1	10	3.08
(1,1750)	1:8:A:MET:HE3	1:44:B:PHE:HE1	10	3.08
(1,2477)	1:41:A:LEU:HB3	1:44:A:PHE:HE1	11	3.07
(1,2478)	1:41:B:LEU:HB3	1:44:B:PHE:HE1	12	3.06
(1,2477)	1:41:A:LEU:HB3	1:44:A:PHE:HE1	16	3.06
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE2	15	3.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE3	15	3.06
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE1	5	3.06
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE2	5	3.06
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE3	5	3.06
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE2	17	3.05
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE3	17	3.05
(1,2480)	1:44:A:PHE:HE1	1:8:B:MET:HG2	7	3.04
(1,1750)	1:8:A:MET:HE1	1:44:B:PHE:HE1	14	3.03
(1,1750)	1:8:A:MET:HE2	1:44:B:PHE:HE1	14	3.03
(1,1750)	1:8:A:MET:HE3	1:44:B:PHE:HE1	14	3.03
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE2	8	3.02
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE3	8	3.02
(1,2480)	1:44:A:PHE:HE1	1:8:B:MET:HG2	1	3.01
(1,2480)	1:44:A:PHE:HE1	1:8:B:MET:HG2	3	3.01
(1,2480)	1:44:A:PHE:HE1	1:8:B:MET:HG2	8	3.01
(1,2461)	1:41:A:LEU:HB2	1:44:A:PHE:HD1	5	3.01
(1,2461)	1:41:A:LEU:HB2	1:44:A:PHE:HD1	16	3.01
(1,2461)	1:41:A:LEU:HB2	1:44:A:PHE:HD1	18	3.0
(1,2512)	1:41:B:LEU:HD21	1:44:B:PHE:HE1	13	2.99
(1,2512)	1:41:B:LEU:HD22	1:44:B:PHE:HE1	13	2.99
(1,2512)	1:41:B:LEU:HD23	1:44:B:PHE:HE1	13	2.99
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE2	16	2.99
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE3	16	2.99
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE1	4	2.99
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE2	4	2.99
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE3	4	2.99
(1,1750)	1:8:A:MET:HE1	1:44:B:PHE:HE1	16	2.98
(1,1750)	1:8:A:MET:HE2	1:44:B:PHE:HE1	16	2.98
(1,1750)	1:8:A:MET:HE3	1:44:B:PHE:HE1	16	2.98
(1,2461)	1:41:A:LEU:HB2	1:44:A:PHE:HD1	2	2.97
(1,2462)	1:41:B:LEU:HB2	1:44:B:PHE:HD1	6	2.96
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE1	13	2.96
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE2	13	2.96
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE3	13	2.96
(1,2479)	1:8:A:MET:HG2	1:44:B:PHE:HE1	1	2.95
(1,2479)	1:8:A:MET:HG2	1:44:B:PHE:HE1	18	2.95
(1,2462)	1:41:B:LEU:HB2	1:44:B:PHE:HD1	18	2.95
(1,2461)	1:41:A:LEU:HB2	1:44:A:PHE:HD1	1	2.95
(1,2512)	1:41:B:LEU:HD21	1:44:B:PHE:HE1	10	2.94
(1,2512)	1:41:B:LEU:HD22	1:44:B:PHE:HE1	10	2.94
(1,2512)	1:41:B:LEU:HD23	1:44:B:PHE:HE1	10	2.94
(1,2461)	1:41:A:LEU:HB2	1:44:A:PHE:HD1	9	2.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2480)	1:44:A:PHE:HE1	1:8:B:MET:HG2	14	2.92
(1,2462)	1:41:B:LEU:HB2	1:44:B:PHE:HD1	20	2.92
(1,2461)	1:41:A:LEU:HB2	1:44:A:PHE:HD1	7	2.92
(1,2461)	1:41:A:LEU:HB2	1:44:A:PHE:HD1	8	2.92
(1,2461)	1:41:A:LEU:HB2	1:44:A:PHE:HD1	12	2.92
(1,2461)	1:41:A:LEU:HB2	1:44:A:PHE:HD1	14	2.92
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE1	20	2.92
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE2	20	2.92
(1,1749)	1:44:A:PHE:HE1	1:8:B:MET:HE3	20	2.92
(1,2462)	1:41:B:LEU:HB2	1:44:B:PHE:HD1	9	2.91
(1,2462)	1:41:B:LEU:HB2	1:44:B:PHE:HD1	2	2.9
(1,2462)	1:41:B:LEU:HB2	1:44:B:PHE:HD1	11	2.9
(1,2479)	1:8:A:MET:HG2	1:44:B:PHE:HE1	11	2.88
(1,2462)	1:41:B:LEU:HB2	1:44:B:PHE:HD1	3	2.87
(1,2462)	1:41:B:LEU:HB2	1:44:B:PHE:HD1	17	2.87
(1,2462)	1:41:B:LEU:HB2	1:44:B:PHE:HD1	1	2.86
(1,2462)	1:41:B:LEU:HB2	1:44:B:PHE:HD1	5	2.86
(1,2461)	1:41:A:LEU:HB2	1:44:A:PHE:HD1	10	2.86
(1,2462)	1:41:B:LEU:HB2	1:44:B:PHE:HD1	14	2.85
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE2	17	2.85
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE3	17	2.85
(1,2461)	1:41:A:LEU:HB2	1:44:A:PHE:HD1	4	2.83
(1,1750)	1:8:A:MET:HE1	1:44:B:PHE:HE1	12	2.83
(1,1750)	1:8:A:MET:HE2	1:44:B:PHE:HE1	12	2.83
(1,1750)	1:8:A:MET:HE3	1:44:B:PHE:HE1	12	2.83
(1,1676)	1:40:B:GLU:HB2	1:41:B:LEU:HG	16	2.82
(1,2512)	1:41:B:LEU:HD21	1:44:B:PHE:HE1	5	2.8
(1,2512)	1:41:B:LEU:HD22	1:44:B:PHE:HE1	5	2.8
(1,2512)	1:41:B:LEU:HD23	1:44:B:PHE:HE1	5	2.8
(1,2462)	1:41:B:LEU:HB2	1:44:B:PHE:HD1	13	2.8
(1,2462)	1:41:B:LEU:HB2	1:44:B:PHE:HD1	16	2.8
(1,2461)	1:41:A:LEU:HB2	1:44:A:PHE:HD1	13	2.79
(1,900)	1:29:B:SER:H	1:68:B:GLU:HG2	11	2.79
(1,601)	1:29:A:SER:H	1:68:A:GLU:HG3	16	2.79
(1,2462)	1:41:B:LEU:HB2	1:44:B:PHE:HD1	4	2.78
(1,1676)	1:40:B:GLU:HB2	1:41:B:LEU:HG	9	2.78
(1,2480)	1:44:A:PHE:HE1	1:8:B:MET:HG2	5	2.77
(1,2480)	1:44:A:PHE:HE1	1:8:B:MET:HG2	11	2.77
(1,2480)	1:44:A:PHE:HE1	1:8:B:MET:HG2	2	2.75
(1,2480)	1:44:A:PHE:HE1	1:8:B:MET:HG2	6	2.75
(1,2461)	1:41:A:LEU:HB2	1:44:A:PHE:HD1	19	2.75
(1,899)	1:29:A:SER:H	1:68:A:GLU:HG2	13	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,601)	1:29:A:SER:H	1:68:A:GLU:HG3	7	2.75
(1,2480)	1:44:A:PHE:HE1	1:8:B:MET:HG2	19	2.74
(1,2480)	1:44:A:PHE:HE1	1:8:B:MET:HG2	4	2.73
(1,2479)	1:8:A:MET:HG2	1:44:B:PHE:HE1	14	2.73
(1,2461)	1:41:A:LEU:HB2	1:44:A:PHE:HD1	20	2.72
(1,1676)	1:40:B:GLU:HB2	1:41:B:LEU:HG	15	2.72
(1,899)	1:29:A:SER:H	1:68:A:GLU:HG2	17	2.72
(1,2512)	1:41:B:LEU:HD21	1:44:B:PHE:HE1	7	2.71
(1,2512)	1:41:B:LEU:HD22	1:44:B:PHE:HE1	7	2.71
(1,2512)	1:41:B:LEU:HD23	1:44:B:PHE:HE1	7	2.71
(1,2479)	1:8:A:MET:HG2	1:44:B:PHE:HE1	6	2.71
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE2	16	2.71
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE3	16	2.71
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG2	11	2.7
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG3	11	2.7
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG2	13	2.69
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG3	13	2.69
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE2	4	2.69
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE3	4	2.69
(1,2462)	1:41:B:LEU:HB2	1:44:B:PHE:HD1	19	2.68
(1,1675)	1:40:A:GLU:HB2	1:41:A:LEU:HG	15	2.68
(1,601)	1:29:A:SER:H	1:68:A:GLU:HG3	11	2.68
(1,2462)	1:41:B:LEU:HB2	1:44:B:PHE:HD1	15	2.67
(1,2461)	1:41:A:LEU:HB2	1:44:A:PHE:HD1	3	2.67
(1,2461)	1:41:A:LEU:HB2	1:44:A:PHE:HD1	17	2.67
(1,1676)	1:40:B:GLU:HB2	1:41:B:LEU:HG	3	2.67
(1,2479)	1:8:A:MET:HG2	1:44:B:PHE:HE1	8	2.66
(1,2462)	1:41:B:LEU:HB2	1:44:B:PHE:HD1	7	2.66
(1,2461)	1:41:A:LEU:HB2	1:44:A:PHE:HD1	6	2.66
(1,1676)	1:40:B:GLU:HB2	1:41:B:LEU:HG	19	2.66
(1,602)	1:29:B:SER:H	1:68:B:GLU:HG3	20	2.66
(1,601)	1:29:A:SER:H	1:68:A:GLU:HG3	13	2.66
(1,601)	1:29:A:SER:H	1:68:A:GLU:HG3	4	2.65
(1,1676)	1:40:B:GLU:HB2	1:41:B:LEU:HG	18	2.64
(1,1675)	1:40:A:GLU:HB2	1:41:A:LEU:HG	3	2.64
(1,602)	1:29:B:SER:H	1:68:B:GLU:HG3	11	2.64
(1,602)	1:29:B:SER:H	1:68:B:GLU:HG3	18	2.64
(1,2480)	1:44:A:PHE:HE1	1:8:B:MET:HG2	17	2.63
(1,1676)	1:40:B:GLU:HB2	1:41:B:LEU:HG	14	2.63
(1,1675)	1:40:A:GLU:HB2	1:41:A:LEU:HG	4	2.63
(1,1675)	1:40:A:GLU:HB2	1:41:A:LEU:HG	6	2.62
(1,1675)	1:40:A:GLU:HB2	1:41:A:LEU:HG	12	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1675)	1:40:A:GLU:HB2	1:41:A:LEU:HG	14	2.62
(1,1675)	1:40:A:GLU:HB2	1:41:A:LEU:HG	19	2.62
(1,2480)	1:44:A:PHE:HE1	1:8:B:MET:HG2	20	2.61
(1,2461)	1:41:A:LEU:HB2	1:44:A:PHE:HD1	15	2.61
(1,1676)	1:40:B:GLU:HB2	1:41:B:LEU:HG	1	2.61
(1,1675)	1:40:A:GLU:HB2	1:41:A:LEU:HG	1	2.61
(1,601)	1:29:A:SER:H	1:68:A:GLU:HG3	6	2.61
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG2	20	2.6
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG3	20	2.6
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG2	17	2.6
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG3	17	2.6
(1,1676)	1:40:B:GLU:HB2	1:41:B:LEU:HG	11	2.6
(1,1675)	1:40:A:GLU:HB2	1:41:A:LEU:HG	8	2.6
(1,900)	1:29:B:SER:H	1:68:B:GLU:HG2	14	2.6
(1,900)	1:29:B:SER:H	1:68:B:GLU:HG2	19	2.6
(1,2479)	1:8:A:MET:HG2	1:44:B:PHE:HE1	13	2.59
(1,900)	1:29:B:SER:H	1:68:B:GLU:HG2	10	2.59
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG2	19	2.58
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG3	19	2.58
(1,2480)	1:44:A:PHE:HE1	1:8:B:MET:HG2	16	2.58
(1,1676)	1:40:B:GLU:HB2	1:41:B:LEU:HG	20	2.58
(1,1675)	1:40:A:GLU:HB2	1:41:A:LEU:HG	18	2.58
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG2	7	2.57
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG3	7	2.57
(1,2462)	1:41:B:LEU:HB2	1:44:B:PHE:HD1	10	2.57
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE2	14	2.57
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE3	14	2.57
(1,602)	1:29:B:SER:H	1:68:B:GLU:HG3	19	2.57
(1,2652)	1:36:A:LEU:HD11	1:41:A:LEU:HG	18	2.56
(1,2652)	1:36:A:LEU:HD12	1:41:A:LEU:HG	18	2.56
(1,2652)	1:36:A:LEU:HD13	1:41:A:LEU:HG	18	2.56
(1,2652)	1:36:A:LEU:HD21	1:41:A:LEU:HG	18	2.56
(1,2652)	1:36:A:LEU:HD22	1:41:A:LEU:HG	18	2.56
(1,2652)	1:36:A:LEU:HD23	1:41:A:LEU:HG	18	2.56
(1,2479)	1:8:A:MET:HG2	1:44:B:PHE:HE1	17	2.56
(1,2461)	1:41:A:LEU:HB2	1:44:A:PHE:HD1	11	2.56
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE2	6	2.56
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE3	6	2.56
(1,1675)	1:40:A:GLU:HB2	1:41:A:LEU:HG	17	2.56
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG21	15	2.56
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG22	15	2.56
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG23	15	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,900)	1:29:B:SER:H	1:68:B:GLU:HG2	20	2.56
(1,602)	1:29:B:SER:H	1:68:B:GLU:HG3	15	2.56
(1,601)	1:29:A:SER:H	1:68:A:GLU:HG3	15	2.56
(1,2480)	1:44:A:PHE:HE1	1:8:B:MET:HG2	9	2.55
(1,2479)	1:8:A:MET:HG2	1:44:B:PHE:HE1	9	2.55
(1,2462)	1:41:B:LEU:HB2	1:44:B:PHE:HD1	8	2.55
(1,2480)	1:44:A:PHE:HE1	1:8:B:MET:HG2	10	2.54
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG21	1	2.54
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG22	1	2.54
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG23	1	2.54
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG2	14	2.53
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG3	14	2.53
(1,2479)	1:8:A:MET:HG2	1:44:B:PHE:HE1	16	2.53
(1,1676)	1:40:B:GLU:HB2	1:41:B:LEU:HG	17	2.53
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG21	12	2.53
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG22	12	2.53
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG23	12	2.53
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG21	15	2.53
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG22	15	2.53
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG23	15	2.53
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG21	19	2.53
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG22	19	2.53
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG23	19	2.53
(1,899)	1:29:A:SER:H	1:68:A:GLU:HG2	9	2.53
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG2	1	2.52
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG3	1	2.52
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG2	9	2.52
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG3	9	2.52
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG2	16	2.52
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG3	16	2.52
(1,2462)	1:41:B:LEU:HB2	1:44:B:PHE:HD1	12	2.52
(1,1675)	1:40:A:GLU:HB2	1:41:A:LEU:HG	7	2.52
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG21	3	2.52
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG22	3	2.52
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG23	3	2.52
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG21	4	2.52
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG22	4	2.52
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG23	4	2.52
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG21	16	2.52
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG22	16	2.52
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG23	16	2.52
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG21	1	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG22	1	2.52
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG23	1	2.52
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG21	3	2.52
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG22	3	2.52
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG23	3	2.52
(1,899)	1:29:A:SER:H	1:68:A:GLU:HG2	1	2.52
(1,2480)	1:44:A:PHE:HE1	1:8:B:MET:HG2	13	2.51
(1,1675)	1:40:A:GLU:HB2	1:41:A:LEU:HG	2	2.51
(1,1675)	1:40:A:GLU:HB2	1:41:A:LEU:HG	9	2.51
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG21	14	2.51
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG22	14	2.51
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG23	14	2.51
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG21	18	2.51
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG22	18	2.51
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG23	18	2.51
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG21	8	2.51
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG22	8	2.51
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG23	8	2.51
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG21	12	2.51
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG22	12	2.51
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG23	12	2.51
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG21	17	2.51
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG22	17	2.51
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG23	17	2.51
(1,1595)	1:29:A:SER:HB2	1:68:A:GLU:HG3	13	2.51
(1,601)	1:29:A:SER:H	1:68:A:GLU:HG3	9	2.51
(1,1675)	1:40:A:GLU:HB2	1:41:A:LEU:HG	5	2.5
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG21	2	2.5
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG22	2	2.5
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG23	2	2.5
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG21	8	2.5
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG22	8	2.5
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG23	8	2.5
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG21	13	2.5
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG22	13	2.5
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG23	13	2.5
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG21	9	2.5
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG22	9	2.5
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG23	9	2.5
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG21	18	2.5
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG22	18	2.5
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG23	18	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,601)	1:29:A:SER:H	1:68:A:GLU:HG3	1	2.5
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG2	10	2.49
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG3	10	2.49
(1,2479)	1:8:A:MET:HG2	1:44:B:PHE:HE1	2	2.49
(1,2479)	1:8:A:MET:HG2	1:44:B:PHE:HE1	4	2.49
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE2	5	2.49
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE3	5	2.49
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG21	11	2.49
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG22	11	2.49
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG23	11	2.49
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG21	11	2.49
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG22	11	2.49
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG23	11	2.49
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG21	14	2.49
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG22	14	2.49
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG23	14	2.49
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG21	16	2.49
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG22	16	2.49
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG23	16	2.49
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG21	20	2.49
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG22	20	2.49
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG23	20	2.49
(1,1596)	1:29:B:SER:HB2	1:68:B:GLU:HG3	11	2.49
(1,1595)	1:29:A:SER:HB2	1:68:A:GLU:HG3	17	2.49
(1,601)	1:29:A:SER:H	1:68:A:GLU:HG3	17	2.49
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG2	4	2.48
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG3	4	2.48
(1,2479)	1:8:A:MET:HG2	1:44:B:PHE:HE1	12	2.48
(1,1706)	1:29:B:SER:HB2	1:68:B:GLU:HG2	3	2.48
(1,1676)	1:40:B:GLU:HB2	1:41:B:LEU:HG	4	2.48
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG21	19	2.48
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG22	19	2.48
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG23	19	2.48
(1,1596)	1:29:B:SER:HB2	1:68:B:GLU:HG3	14	2.48
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG2	11	2.47
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG3	11	2.47
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE2	11	2.47
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE3	11	2.47
(1,1984)	1:41:B:LEU:HD21	1:44:B:PHE:HD1	19	2.47
(1,1984)	1:41:B:LEU:HD22	1:44:B:PHE:HD1	19	2.47
(1,1984)	1:41:B:LEU:HD23	1:44:B:PHE:HD1	19	2.47
(1,1675)	1:40:A:GLU:HB2	1:41:A:LEU:HG	10	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1675)	1:40:A:GLU:HB2	1:41:A:LEU:HG	13	2.47
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG21	17	2.47
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG22	17	2.47
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG23	17	2.47
(1,1596)	1:29:B:SER:HB2	1:68:B:GLU:HG3	12	2.47
(1,1596)	1:29:B:SER:HB2	1:68:B:GLU:HG3	19	2.47
(1,1595)	1:29:A:SER:HB2	1:68:A:GLU:HG3	1	2.47
(1,1595)	1:29:A:SER:HB2	1:68:A:GLU:HG3	5	2.47
(1,1595)	1:29:A:SER:HB2	1:68:A:GLU:HG3	8	2.47
(1,1984)	1:41:B:LEU:HD21	1:44:B:PHE:HD1	1	2.46
(1,1984)	1:41:B:LEU:HD22	1:44:B:PHE:HD1	1	2.46
(1,1984)	1:41:B:LEU:HD23	1:44:B:PHE:HD1	1	2.46
(1,1984)	1:41:B:LEU:HD21	1:44:B:PHE:HD1	18	2.46
(1,1984)	1:41:B:LEU:HD22	1:44:B:PHE:HD1	18	2.46
(1,1984)	1:41:B:LEU:HD23	1:44:B:PHE:HD1	18	2.46
(1,1984)	1:41:B:LEU:HD21	1:44:B:PHE:HD1	20	2.46
(1,1984)	1:41:B:LEU:HD22	1:44:B:PHE:HD1	20	2.46
(1,1984)	1:41:B:LEU:HD23	1:44:B:PHE:HD1	20	2.46
(1,1706)	1:29:B:SER:HB2	1:68:B:GLU:HG2	7	2.46
(1,1705)	1:29:A:SER:HB2	1:68:A:GLU:HG2	2	2.46
(1,1705)	1:29:A:SER:HB2	1:68:A:GLU:HG2	3	2.46
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG21	6	2.46
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG22	6	2.46
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG23	6	2.46
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG21	10	2.46
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG22	10	2.46
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG23	10	2.46
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG21	2	2.46
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG22	2	2.46
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG23	2	2.46
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG21	5	2.46
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG22	5	2.46
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG23	5	2.46
(1,1596)	1:29:B:SER:HB2	1:68:B:GLU:HG3	5	2.46
(1,1595)	1:29:A:SER:HB2	1:68:A:GLU:HG3	9	2.46
(1,602)	1:29:B:SER:H	1:68:B:GLU:HG3	14	2.46
(1,1676)	1:40:B:GLU:HB2	1:41:B:LEU:HG	2	2.45
(1,1676)	1:40:B:GLU:HB2	1:41:B:LEU:HG	13	2.45
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG21	7	2.45
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG22	7	2.45
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG23	7	2.45
(1,899)	1:29:A:SER:H	1:68:A:GLU:HG2	14	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,602)	1:29:B:SER:H	1:68:B:GLU:HG3	5	2.45
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG2	12	2.44
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG3	12	2.44
(1,1983)	1:41:A:LEU:HD21	1:44:A:PHE:HD1	18	2.44
(1,1983)	1:41:A:LEU:HD22	1:44:A:PHE:HD1	18	2.44
(1,1983)	1:41:A:LEU:HD23	1:44:A:PHE:HD1	18	2.44
(1,1596)	1:29:B:SER:HB2	1:68:B:GLU:HG3	6	2.44
(1,1596)	1:29:B:SER:HB2	1:68:B:GLU:HG3	10	2.44
(1,900)	1:29:B:SER:H	1:68:B:GLU:HG2	12	2.44
(1,899)	1:29:A:SER:H	1:68:A:GLU:HG2	18	2.44
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG2	14	2.43
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG3	14	2.43
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG2	18	2.43
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG3	18	2.43
(1,2479)	1:8:A:MET:HG2	1:44:B:PHE:HE1	5	2.43
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE2	7	2.43
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE3	7	2.43
(1,1676)	1:40:B:GLU:HB2	1:41:B:LEU:HG	6	2.43
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD21	4	2.43
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD22	4	2.43
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD23	4	2.43
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG2	5	2.42
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG3	5	2.42
(1,1983)	1:41:A:LEU:HD21	1:44:A:PHE:HD1	2	2.42
(1,1983)	1:41:A:LEU:HD22	1:44:A:PHE:HD1	2	2.42
(1,1983)	1:41:A:LEU:HD23	1:44:A:PHE:HD1	2	2.42
(1,1983)	1:41:A:LEU:HD21	1:44:A:PHE:HD1	12	2.42
(1,1983)	1:41:A:LEU:HD22	1:44:A:PHE:HD1	12	2.42
(1,1983)	1:41:A:LEU:HD23	1:44:A:PHE:HD1	12	2.42
(1,1596)	1:29:B:SER:HB2	1:68:B:GLU:HG3	9	2.42
(1,899)	1:29:A:SER:H	1:68:A:GLU:HG2	2	2.42
(1,899)	1:29:A:SER:H	1:68:A:GLU:HG2	5	2.42
(1,899)	1:29:A:SER:H	1:68:A:GLU:HG2	7	2.42
(1,602)	1:29:B:SER:H	1:68:B:GLU:HG3	6	2.42
(1,601)	1:29:A:SER:H	1:68:A:GLU:HG3	12	2.42
(1,509)	1:41:A:LEU:HD21	1:5:B:GLU:H	10	2.42
(1,509)	1:41:A:LEU:HD22	1:5:B:GLU:H	10	2.42
(1,509)	1:41:A:LEU:HD23	1:5:B:GLU:H	10	2.42
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG2	8	2.41
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG3	8	2.41
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE2	13	2.41
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE3	13	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1984)	1:41:B:LEU:HD21	1:44:B:PHE:HD1	9	2.41
(1,1984)	1:41:B:LEU:HD22	1:44:B:PHE:HD1	9	2.41
(1,1984)	1:41:B:LEU:HD23	1:44:B:PHE:HD1	9	2.41
(1,1795)	1:41:A:LEU:HD11	1:44:A:PHE:HD1	16	2.41
(1,1795)	1:41:A:LEU:HD12	1:44:A:PHE:HD1	16	2.41
(1,1795)	1:41:A:LEU:HD13	1:44:A:PHE:HD1	16	2.41
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB1	16	2.41
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB2	16	2.41
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB3	16	2.41
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG21	10	2.41
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG22	10	2.41
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG23	10	2.41
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG2	6	2.4
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG3	6	2.4
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG2	18	2.4
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG3	18	2.4
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG2	5	2.4
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG3	5	2.4
(1,1984)	1:41:B:LEU:HD21	1:44:B:PHE:HD1	15	2.4
(1,1984)	1:41:B:LEU:HD22	1:44:B:PHE:HD1	15	2.4
(1,1984)	1:41:B:LEU:HD23	1:44:B:PHE:HD1	15	2.4
(1,1983)	1:41:A:LEU:HD21	1:44:A:PHE:HD1	10	2.4
(1,1983)	1:41:A:LEU:HD22	1:44:A:PHE:HD1	10	2.4
(1,1983)	1:41:A:LEU:HD23	1:44:A:PHE:HD1	10	2.4
(1,1983)	1:41:A:LEU:HD21	1:44:A:PHE:HD1	15	2.4
(1,1983)	1:41:A:LEU:HD22	1:44:A:PHE:HD1	15	2.4
(1,1983)	1:41:A:LEU:HD23	1:44:A:PHE:HD1	15	2.4
(1,1595)	1:29:A:SER:HB2	1:68:A:GLU:HG3	18	2.4
(1,900)	1:29:B:SER:H	1:68:B:GLU:HG2	3	2.4
(1,900)	1:29:B:SER:H	1:68:B:GLU:HG2	7	2.4
(1,899)	1:29:A:SER:H	1:68:A:GLU:HG2	8	2.4
(1,602)	1:29:B:SER:H	1:68:B:GLU:HG3	12	2.4
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE2	1	2.39
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE3	1	2.39
(1,1984)	1:41:B:LEU:HD21	1:44:B:PHE:HD1	3	2.39
(1,1984)	1:41:B:LEU:HD22	1:44:B:PHE:HD1	3	2.39
(1,1984)	1:41:B:LEU:HD23	1:44:B:PHE:HD1	3	2.39
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG21	6	2.39
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG22	6	2.39
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG23	6	2.39
(1,601)	1:29:A:SER:H	1:68:A:GLU:HG3	8	2.39
(1,1983)	1:41:A:LEU:HD21	1:44:A:PHE:HD1	7	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1983)	1:41:A:LEU:HD22	1:44:A:PHE:HD1	7	2.38
(1,1983)	1:41:A:LEU:HD23	1:44:A:PHE:HD1	7	2.38
(1,1983)	1:41:A:LEU:HD21	1:44:A:PHE:HD1	14	2.38
(1,1983)	1:41:A:LEU:HD22	1:44:A:PHE:HD1	14	2.38
(1,1983)	1:41:A:LEU:HD23	1:44:A:PHE:HD1	14	2.38
(1,1676)	1:40:B:GLU:HB2	1:41:B:LEU:HG	10	2.38
(1,1595)	1:29:A:SER:HB2	1:68:A:GLU:HG3	4	2.38
(1,602)	1:29:B:SER:H	1:68:B:GLU:HG3	10	2.38
(1,601)	1:29:A:SER:H	1:68:A:GLU:HG3	14	2.38
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG21	5	2.37
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG22	5	2.37
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG23	5	2.37
(1,1595)	1:29:A:SER:HB2	1:68:A:GLU:HG3	14	2.37
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE2	1	2.37
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE3	1	2.37
(1,601)	1:29:A:SER:H	1:68:A:GLU:HG3	18	2.37
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD21	1	2.37
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD22	1	2.37
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD23	1	2.37
(1,509)	1:41:A:LEU:HD21	1:5:B:GLU:H	5	2.37
(1,509)	1:41:A:LEU:HD22	1:5:B:GLU:H	5	2.37
(1,509)	1:41:A:LEU:HD23	1:5:B:GLU:H	5	2.37
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG2	6	2.36
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG3	6	2.36
(1,1983)	1:41:A:LEU:HD21	1:44:A:PHE:HD1	1	2.36
(1,1983)	1:41:A:LEU:HD22	1:44:A:PHE:HD1	1	2.36
(1,1983)	1:41:A:LEU:HD23	1:44:A:PHE:HD1	1	2.36
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB1	18	2.36
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB2	18	2.36
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB3	18	2.36
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG21	13	2.36
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG22	13	2.36
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG23	13	2.36
(1,900)	1:29:B:SER:H	1:68:B:GLU:HG2	5	2.36
(1,1983)	1:41:A:LEU:HD21	1:44:A:PHE:HD1	4	2.35
(1,1983)	1:41:A:LEU:HD22	1:44:A:PHE:HD1	4	2.35
(1,1983)	1:41:A:LEU:HD23	1:44:A:PHE:HD1	4	2.35
(1,1983)	1:41:A:LEU:HD21	1:44:A:PHE:HD1	5	2.35
(1,1983)	1:41:A:LEU:HD22	1:44:A:PHE:HD1	5	2.35
(1,1983)	1:41:A:LEU:HD23	1:44:A:PHE:HD1	5	2.35
(1,1983)	1:41:A:LEU:HD21	1:44:A:PHE:HD1	8	2.35
(1,1983)	1:41:A:LEU:HD22	1:44:A:PHE:HD1	8	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1983)	1:41:A:LEU:HD23	1:44:A:PHE:HD1	8	2.35
(1,1675)	1:40:A:GLU:HB2	1:41:A:LEU:HG	20	2.35
(1,1596)	1:29:B:SER:HB2	1:68:B:GLU:HG3	8	2.35
(1,601)	1:29:A:SER:H	1:68:A:GLU:HG3	5	2.35
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE2	19	2.34
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE3	19	2.34
(1,1984)	1:41:B:LEU:HD21	1:44:B:PHE:HD1	11	2.34
(1,1984)	1:41:B:LEU:HD22	1:44:B:PHE:HD1	11	2.34
(1,1984)	1:41:B:LEU:HD23	1:44:B:PHE:HD1	11	2.34
(1,1984)	1:41:B:LEU:HD21	1:44:B:PHE:HD1	14	2.34
(1,1984)	1:41:B:LEU:HD22	1:44:B:PHE:HD1	14	2.34
(1,1984)	1:41:B:LEU:HD23	1:44:B:PHE:HD1	14	2.34
(1,1983)	1:41:A:LEU:HD21	1:44:A:PHE:HD1	17	2.34
(1,1983)	1:41:A:LEU:HD22	1:44:A:PHE:HD1	17	2.34
(1,1983)	1:41:A:LEU:HD23	1:44:A:PHE:HD1	17	2.34
(1,900)	1:29:B:SER:H	1:68:B:GLU:HG2	6	2.33
(1,1984)	1:41:B:LEU:HD21	1:44:B:PHE:HD1	2	2.32
(1,1984)	1:41:B:LEU:HD22	1:44:B:PHE:HD1	2	2.32
(1,1984)	1:41:B:LEU:HD23	1:44:B:PHE:HD1	2	2.32
(1,1983)	1:41:A:LEU:HD21	1:44:A:PHE:HD1	6	2.32
(1,1983)	1:41:A:LEU:HD22	1:44:A:PHE:HD1	6	2.32
(1,1983)	1:41:A:LEU:HD23	1:44:A:PHE:HD1	6	2.32
(1,1676)	1:40:B:GLU:HB2	1:41:B:LEU:HG	7	2.32
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG21	4	2.32
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG22	4	2.32
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG23	4	2.32
(1,1595)	1:29:A:SER:HB2	1:68:A:GLU:HG3	7	2.32
(1,899)	1:29:A:SER:H	1:68:A:GLU:HG2	4	2.32
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG21	7	2.31
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG22	7	2.31
(1,1671)	1:9:A:GLU:HB3	1:10:A:THR:HG23	7	2.31
(1,900)	1:29:B:SER:H	1:68:B:GLU:HG2	17	2.31
(1,509)	1:41:A:LEU:HD21	1:5:B:GLU:H	17	2.31
(1,509)	1:41:A:LEU:HD22	1:5:B:GLU:H	17	2.31
(1,509)	1:41:A:LEU:HD23	1:5:B:GLU:H	17	2.31
(1,509)	1:41:A:LEU:HD21	1:5:B:GLU:H	20	2.31
(1,509)	1:41:A:LEU:HD22	1:5:B:GLU:H	20	2.31
(1,509)	1:41:A:LEU:HD23	1:5:B:GLU:H	20	2.31
(1,2465)	1:41:A:LEU:HG	1:44:A:PHE:HE1	16	2.3
(1,1676)	1:40:B:GLU:HB2	1:41:B:LEU:HG	5	2.3
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG21	9	2.3
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG22	9	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG23	9	2.3
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB1	8	2.29
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB2	8	2.29
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB3	8	2.29
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG21	20	2.29
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG22	20	2.29
(1,1672)	1:9:B:GLU:HB3	1:10:B:THR:HG23	20	2.29
(1,1595)	1:29:A:SER:HB2	1:68:A:GLU:HG3	11	2.29
(1,899)	1:29:A:SER:H	1:68:A:GLU:HG2	16	2.29
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD21	10	2.29
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD22	10	2.29
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD23	10	2.29
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG2	15	2.28
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG3	15	2.28
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG2	15	2.28
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG3	15	2.28
(1,2512)	1:41:B:LEU:HD21	1:44:B:PHE:HE1	8	2.28
(1,2512)	1:41:B:LEU:HD22	1:44:B:PHE:HE1	8	2.28
(1,2512)	1:41:B:LEU:HD23	1:44:B:PHE:HE1	8	2.28
(1,1983)	1:41:A:LEU:HD21	1:44:A:PHE:HD1	3	2.28
(1,1983)	1:41:A:LEU:HD22	1:44:A:PHE:HD1	3	2.28
(1,1983)	1:41:A:LEU:HD23	1:44:A:PHE:HD1	3	2.28
(1,1596)	1:29:B:SER:HB2	1:68:B:GLU:HG3	20	2.28
(1,900)	1:29:B:SER:H	1:68:B:GLU:HG2	8	2.28
(1,900)	1:29:B:SER:H	1:68:B:GLU:HG2	9	2.28
(1,899)	1:29:A:SER:H	1:68:A:GLU:HG2	11	2.28
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD21	14	2.28
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD22	14	2.28
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD23	14	2.28
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG2	2	2.27
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG3	2	2.27
(1,1984)	1:41:B:LEU:HD21	1:44:B:PHE:HD1	4	2.27
(1,1984)	1:41:B:LEU:HD22	1:44:B:PHE:HD1	4	2.27
(1,1984)	1:41:B:LEU:HD23	1:44:B:PHE:HD1	4	2.27
(1,1984)	1:41:B:LEU:HD21	1:44:B:PHE:HD1	16	2.27
(1,1984)	1:41:B:LEU:HD22	1:44:B:PHE:HD1	16	2.27
(1,1984)	1:41:B:LEU:HD23	1:44:B:PHE:HD1	16	2.27
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG2	3	2.26
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG3	3	2.26
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG2	9	2.26
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG3	9	2.26
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB1	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB2	7	2.26
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB3	7	2.26
(1,1596)	1:29:B:SER:HB2	1:68:B:GLU:HG3	17	2.26
(1,1596)	1:29:B:SER:HB2	1:68:B:GLU:HG3	18	2.26
(1,509)	1:41:A:LEU:HD21	1:5:B:GLU:H	7	2.26
(1,509)	1:41:A:LEU:HD22	1:5:B:GLU:H	7	2.26
(1,509)	1:41:A:LEU:HD23	1:5:B:GLU:H	7	2.26
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG2	17	2.25
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG3	17	2.25
(1,1984)	1:41:B:LEU:HD21	1:44:B:PHE:HD1	6	2.25
(1,1984)	1:41:B:LEU:HD22	1:44:B:PHE:HD1	6	2.25
(1,1984)	1:41:B:LEU:HD23	1:44:B:PHE:HD1	6	2.25
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD21	2	2.25
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD22	2	2.25
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD23	2	2.25
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG2	8	2.24
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG3	8	2.24
(1,1983)	1:41:A:LEU:HD21	1:44:A:PHE:HD1	13	2.24
(1,1983)	1:41:A:LEU:HD22	1:44:A:PHE:HD1	13	2.24
(1,1983)	1:41:A:LEU:HD23	1:44:A:PHE:HD1	13	2.24
(1,1983)	1:41:A:LEU:HD21	1:44:A:PHE:HD1	9	2.23
(1,1983)	1:41:A:LEU:HD22	1:44:A:PHE:HD1	9	2.23
(1,1983)	1:41:A:LEU:HD23	1:44:A:PHE:HD1	9	2.23
(1,1983)	1:41:A:LEU:HD21	1:44:A:PHE:HD1	19	2.22
(1,1983)	1:41:A:LEU:HD22	1:44:A:PHE:HD1	19	2.22
(1,1983)	1:41:A:LEU:HD23	1:44:A:PHE:HD1	19	2.22
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG21	12	2.22
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG22	12	2.22
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG23	12	2.22
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG2	7	2.21
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG3	7	2.21
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG2	12	2.21
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG3	12	2.21
(1,2479)	1:8:A:MET:HG2	1:44:B:PHE:HE1	7	2.21
(1,2466)	1:41:B:LEU:HG	1:44:B:PHE:HE1	15	2.21
(1,2466)	1:41:B:LEU:HG	1:44:B:PHE:HE1	19	2.21
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB1	7	2.21
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB2	7	2.21
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB3	7	2.21
(1,1596)	1:29:B:SER:HB2	1:68:B:GLU:HG3	3	2.21
(1,1595)	1:29:A:SER:HB2	1:68:A:GLU:HG3	6	2.21
(1,1595)	1:29:A:SER:HB2	1:68:A:GLU:HG3	12	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD21	5	2.21
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD22	5	2.21
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD23	5	2.21
(1,602)	1:29:B:SER:H	1:68:B:GLU:HG3	4	2.2
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD21	20	2.2
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD22	20	2.2
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD23	20	2.2
(1,2511)	1:41:A:LEU:HD21	1:44:A:PHE:HE1	11	2.19
(1,2511)	1:41:A:LEU:HD22	1:44:A:PHE:HE1	11	2.19
(1,2511)	1:41:A:LEU:HD23	1:44:A:PHE:HE1	11	2.19
(1,1983)	1:41:A:LEU:HD21	1:44:A:PHE:HD1	20	2.19
(1,1983)	1:41:A:LEU:HD22	1:44:A:PHE:HD1	20	2.19
(1,1983)	1:41:A:LEU:HD23	1:44:A:PHE:HD1	20	2.19
(1,1676)	1:40:B:GLU:HB2	1:41:B:LEU:HG	8	2.19
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD21	12	2.19
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD22	12	2.19
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD23	12	2.19
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD21	19	2.19
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD22	19	2.19
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD23	19	2.19
(1,509)	1:41:A:LEU:HD21	1:5:B:GLU:H	4	2.19
(1,509)	1:41:A:LEU:HD22	1:5:B:GLU:H	4	2.19
(1,509)	1:41:A:LEU:HD23	1:5:B:GLU:H	4	2.19
(1,509)	1:41:A:LEU:HD21	1:5:B:GLU:H	9	2.19
(1,509)	1:41:A:LEU:HD22	1:5:B:GLU:H	9	2.19
(1,509)	1:41:A:LEU:HD23	1:5:B:GLU:H	9	2.19
(1,2512)	1:41:B:LEU:HD21	1:44:B:PHE:HE1	12	2.18
(1,2512)	1:41:B:LEU:HD22	1:44:B:PHE:HE1	12	2.18
(1,2512)	1:41:B:LEU:HD23	1:44:B:PHE:HE1	12	2.18
(1,1596)	1:29:B:SER:HB2	1:68:B:GLU:HG3	7	2.18
(1,1595)	1:29:A:SER:HB2	1:68:A:GLU:HG3	2	2.18
(1,1595)	1:29:A:SER:HB2	1:68:A:GLU:HG3	3	2.18
(1,2465)	1:41:A:LEU:HG	1:44:A:PHE:HE1	15	2.17
(1,1984)	1:41:B:LEU:HD21	1:44:B:PHE:HD1	17	2.17
(1,1984)	1:41:B:LEU:HD22	1:44:B:PHE:HD1	17	2.17
(1,1984)	1:41:B:LEU:HD23	1:44:B:PHE:HD1	17	2.17
(1,900)	1:29:B:SER:H	1:68:B:GLU:HG2	18	2.17
(1,509)	1:41:A:LEU:HD21	1:5:B:GLU:H	1	2.17
(1,509)	1:41:A:LEU:HD22	1:5:B:GLU:H	1	2.17
(1,509)	1:41:A:LEU:HD23	1:5:B:GLU:H	1	2.17
(1,509)	1:41:A:LEU:HD21	1:5:B:GLU:H	15	2.17
(1,509)	1:41:A:LEU:HD22	1:5:B:GLU:H	15	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,509)	1:41:A:LEU:HD23	1:5:B:GLU:H	15	2.17
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG2	4	2.16
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG3	4	2.16
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB1	3	2.16
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB2	3	2.16
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB3	3	2.16
(1,1706)	1:29:B:SER:HB2	1:68:B:GLU:HG2	10	2.16
(1,1595)	1:29:A:SER:HB2	1:68:A:GLU:HG3	15	2.16
(1,602)	1:29:B:SER:H	1:68:B:GLU:HG3	9	2.16
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD21	11	2.16
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD22	11	2.16
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD23	11	2.16
(1,509)	1:41:A:LEU:HD21	1:5:B:GLU:H	3	2.16
(1,509)	1:41:A:LEU:HD22	1:5:B:GLU:H	3	2.16
(1,509)	1:41:A:LEU:HD23	1:5:B:GLU:H	3	2.16
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD21	14	2.15
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD22	14	2.15
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD23	14	2.15
(1,1595)	1:29:A:SER:HB2	1:68:A:GLU:HG3	16	2.15
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG21	18	2.15
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG22	18	2.15
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG23	18	2.15
(1,899)	1:29:A:SER:H	1:68:A:GLU:HG2	3	2.15
(1,509)	1:41:A:LEU:HD21	1:5:B:GLU:H	14	2.15
(1,509)	1:41:A:LEU:HD22	1:5:B:GLU:H	14	2.15
(1,509)	1:41:A:LEU:HD23	1:5:B:GLU:H	14	2.15
(1,2652)	1:36:A:LEU:HD11	1:41:A:LEU:HG	11	2.14
(1,2652)	1:36:A:LEU:HD12	1:41:A:LEU:HG	11	2.14
(1,2652)	1:36:A:LEU:HD13	1:41:A:LEU:HG	11	2.14
(1,2652)	1:36:A:LEU:HD21	1:41:A:LEU:HG	11	2.14
(1,2652)	1:36:A:LEU:HD22	1:41:A:LEU:HG	11	2.14
(1,2652)	1:36:A:LEU:HD23	1:41:A:LEU:HG	11	2.14
(1,2479)	1:8:A:MET:HG2	1:44:B:PHE:HE1	10	2.14
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB1	5	2.14
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB2	5	2.14
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB3	5	2.14
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB1	11	2.14
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB2	11	2.14
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB3	11	2.14
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD21	15	2.14
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD22	15	2.14
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD23	15	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,509)	1:41:A:LEU:HD21	1:5:B:GLU:H	13	2.14
(1,509)	1:41:A:LEU:HD22	1:5:B:GLU:H	13	2.14
(1,509)	1:41:A:LEU:HD23	1:5:B:GLU:H	13	2.14
(1,2847)	1:36:B:LEU:HD11	1:41:B:LEU:HG	1	2.13
(1,2847)	1:36:B:LEU:HD12	1:41:B:LEU:HG	1	2.13
(1,2847)	1:36:B:LEU:HD13	1:41:B:LEU:HG	1	2.13
(1,2847)	1:36:B:LEU:HD21	1:41:B:LEU:HG	1	2.13
(1,2847)	1:36:B:LEU:HD22	1:41:B:LEU:HG	1	2.13
(1,2847)	1:36:B:LEU:HD23	1:41:B:LEU:HG	1	2.13
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB1	15	2.13
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB2	15	2.13
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB3	15	2.13
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB1	5	2.13
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB2	5	2.13
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB3	5	2.13
(1,1596)	1:29:B:SER:HB2	1:68:B:GLU:HG3	15	2.13
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG21	19	2.13
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG22	19	2.13
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG23	19	2.13
(1,602)	1:29:B:SER:H	1:68:B:GLU:HG3	17	2.13
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD21	3	2.13
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD22	3	2.13
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD23	3	2.13
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD21	6	2.13
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD22	6	2.13
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD23	6	2.13
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD21	17	2.13
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD22	17	2.13
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD23	17	2.13
(1,2847)	1:36:B:LEU:HD11	1:41:B:LEU:HG	20	2.12
(1,2847)	1:36:B:LEU:HD12	1:41:B:LEU:HG	20	2.12
(1,2847)	1:36:B:LEU:HD13	1:41:B:LEU:HG	20	2.12
(1,2847)	1:36:B:LEU:HD21	1:41:B:LEU:HG	20	2.12
(1,2847)	1:36:B:LEU:HD22	1:41:B:LEU:HG	20	2.12
(1,2847)	1:36:B:LEU:HD23	1:41:B:LEU:HG	20	2.12
(1,2465)	1:41:A:LEU:HG	1:44:A:PHE:HE1	17	2.12
(1,2250)	1:41:B:LEU:HD11	1:78:B:VAL:HB	7	2.12
(1,2250)	1:41:B:LEU:HD12	1:78:B:VAL:HB	7	2.12
(1,2250)	1:41:B:LEU:HD13	1:78:B:VAL:HB	7	2.12
(1,1984)	1:41:B:LEU:HD21	1:44:B:PHE:HD1	13	2.12
(1,1984)	1:41:B:LEU:HD22	1:44:B:PHE:HD1	13	2.12
(1,1984)	1:41:B:LEU:HD23	1:44:B:PHE:HD1	13	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1705)	1:29:A:SER:HB2	1:68:A:GLU:HG2	17	2.12
(1,602)	1:29:B:SER:H	1:68:B:GLU:HG3	8	2.12
(1,509)	1:41:A:LEU:HD21	1:5:B:GLU:H	6	2.12
(1,509)	1:41:A:LEU:HD22	1:5:B:GLU:H	6	2.12
(1,509)	1:41:A:LEU:HD23	1:5:B:GLU:H	6	2.12
(1,509)	1:41:A:LEU:HD21	1:5:B:GLU:H	8	2.12
(1,509)	1:41:A:LEU:HD22	1:5:B:GLU:H	8	2.12
(1,509)	1:41:A:LEU:HD23	1:5:B:GLU:H	8	2.12
(1,1913)	1:41:A:LEU:HD21	1:5:B:GLU:HB3	5	2.11
(1,1913)	1:41:A:LEU:HD22	1:5:B:GLU:HB3	5	2.11
(1,1913)	1:41:A:LEU:HD23	1:5:B:GLU:HB3	5	2.11
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG21	14	2.11
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG22	14	2.11
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG23	14	2.11
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE2	2	2.11
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE3	2	2.11
(1,899)	1:29:A:SER:H	1:68:A:GLU:HG2	6	2.11
(1,509)	1:41:A:LEU:HD21	1:5:B:GLU:H	18	2.11
(1,509)	1:41:A:LEU:HD22	1:5:B:GLU:H	18	2.11
(1,509)	1:41:A:LEU:HD23	1:5:B:GLU:H	18	2.11
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG2	1	2.1
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG3	1	2.1
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE2	6	2.1
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE3	6	2.1
(1,1676)	1:40:B:GLU:HB2	1:41:B:LEU:HG	12	2.1
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG21	13	2.1
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG22	13	2.1
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG23	13	2.1
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG21	16	2.1
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG22	16	2.1
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG23	16	2.1
(1,602)	1:29:B:SER:H	1:68:B:GLU:HG3	1	2.1
(1,509)	1:41:A:LEU:HD21	1:5:B:GLU:H	2	2.1
(1,509)	1:41:A:LEU:HD22	1:5:B:GLU:H	2	2.1
(1,509)	1:41:A:LEU:HD23	1:5:B:GLU:H	2	2.1
(1,509)	1:41:A:LEU:HD21	1:5:B:GLU:H	12	2.1
(1,509)	1:41:A:LEU:HD22	1:5:B:GLU:H	12	2.1
(1,509)	1:41:A:LEU:HD23	1:5:B:GLU:H	12	2.1
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG21	15	2.09
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG22	15	2.09
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG23	15	2.09
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG21	17	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG22	17	2.09
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG23	17	2.09
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE2	12	2.08
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE3	12	2.08
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB1	6	2.08
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB2	6	2.08
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB3	6	2.08
(1,1706)	1:29:B:SER:HB2	1:68:B:GLU:HG2	11	2.08
(1,1706)	1:29:B:SER:HB2	1:68:B:GLU:HG2	12	2.08
(1,1705)	1:29:A:SER:HB2	1:68:A:GLU:HG2	20	2.08
(1,1675)	1:40:A:GLU:HB2	1:41:A:LEU:HG	11	2.08
(1,1488)	1:78:A:VAL:HG21	1:71:B:PHE:HE2	5	2.08
(1,1488)	1:78:A:VAL:HG22	1:71:B:PHE:HE2	5	2.08
(1,1488)	1:78:A:VAL:HG23	1:71:B:PHE:HE2	5	2.08
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG21	2	2.08
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG22	2	2.08
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG23	2	2.08
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG21	10	2.08
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG22	10	2.08
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG23	10	2.08
(1,2847)	1:36:B:LEU:HD11	1:41:B:LEU:HG	3	2.07
(1,2847)	1:36:B:LEU:HD12	1:41:B:LEU:HG	3	2.07
(1,2847)	1:36:B:LEU:HD13	1:41:B:LEU:HG	3	2.07
(1,2847)	1:36:B:LEU:HD21	1:41:B:LEU:HG	3	2.07
(1,2847)	1:36:B:LEU:HD22	1:41:B:LEU:HG	3	2.07
(1,2847)	1:36:B:LEU:HD23	1:41:B:LEU:HG	3	2.07
(1,2652)	1:36:A:LEU:HD11	1:41:A:LEU:HG	3	2.07
(1,2652)	1:36:A:LEU:HD12	1:41:A:LEU:HG	3	2.07
(1,2652)	1:36:A:LEU:HD13	1:41:A:LEU:HG	3	2.07
(1,2652)	1:36:A:LEU:HD21	1:41:A:LEU:HG	3	2.07
(1,2652)	1:36:A:LEU:HD22	1:41:A:LEU:HG	3	2.07
(1,2652)	1:36:A:LEU:HD23	1:41:A:LEU:HG	3	2.07
(1,2465)	1:41:A:LEU:HG	1:44:A:PHE:HE1	4	2.07
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB1	15	2.07
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB2	15	2.07
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB3	15	2.07
(1,1706)	1:29:B:SER:HB2	1:68:B:GLU:HG2	14	2.07
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG21	1	2.07
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG22	1	2.07
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG23	1	2.07
(1,602)	1:29:B:SER:H	1:68:B:GLU:HG3	3	2.07
(1,601)	1:29:A:SER:H	1:68:A:GLU:HG3	2	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD21	16	2.07
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD22	16	2.07
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD23	16	2.07
(1,2652)	1:36:A:LEU:HD11	1:41:A:LEU:HG	15	2.06
(1,2652)	1:36:A:LEU:HD12	1:41:A:LEU:HG	15	2.06
(1,2652)	1:36:A:LEU:HD13	1:41:A:LEU:HG	15	2.06
(1,2652)	1:36:A:LEU:HD21	1:41:A:LEU:HG	15	2.06
(1,2652)	1:36:A:LEU:HD22	1:41:A:LEU:HG	15	2.06
(1,2652)	1:36:A:LEU:HD23	1:41:A:LEU:HG	15	2.06
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE2	12	2.06
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE3	12	2.06
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG21	20	2.06
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG22	20	2.06
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG23	20	2.06
(1,2466)	1:41:B:LEU:HG	1:44:B:PHE:HE1	4	2.05
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE2	9	2.05
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE3	9	2.05
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB1	10	2.05
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB2	10	2.05
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB3	10	2.05
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB1	12	2.05
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB2	12	2.05
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB3	12	2.05
(1,1706)	1:29:B:SER:HB2	1:68:B:GLU:HG2	16	2.05
(1,1705)	1:29:A:SER:HB2	1:68:A:GLU:HG2	5	2.05
(1,1705)	1:29:A:SER:HB2	1:68:A:GLU:HG2	10	2.05
(1,1705)	1:29:A:SER:HB2	1:68:A:GLU:HG2	13	2.05
(1,1488)	1:78:A:VAL:HG21	1:71:B:PHE:HE2	4	2.05
(1,1488)	1:78:A:VAL:HG22	1:71:B:PHE:HE2	4	2.05
(1,1488)	1:78:A:VAL:HG23	1:71:B:PHE:HE2	4	2.05
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG21	6	2.05
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG22	6	2.05
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG23	6	2.05
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD21	8	2.05
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD22	8	2.05
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD23	8	2.05
(1,2466)	1:41:B:LEU:HG	1:44:B:PHE:HE1	1	2.04
(1,2466)	1:41:B:LEU:HG	1:44:B:PHE:HE1	9	2.04
(1,1706)	1:29:B:SER:HB2	1:68:B:GLU:HG2	4	2.04
(1,1488)	1:78:A:VAL:HG21	1:71:B:PHE:HE2	13	2.04
(1,1488)	1:78:A:VAL:HG22	1:71:B:PHE:HE2	13	2.04
(1,1488)	1:78:A:VAL:HG23	1:71:B:PHE:HE2	13	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG21	4	2.04
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG22	4	2.04
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG23	4	2.04
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG21	8	2.04
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG22	8	2.04
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG23	8	2.04
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD21	18	2.04
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD22	18	2.04
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD23	18	2.04
(1,2466)	1:41:B:LEU:HG	1:44:B:PHE:HE1	14	2.03
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB1	20	2.03
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB2	20	2.03
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB3	20	2.03
(1,1488)	1:78:A:VAL:HG21	1:71:B:PHE:HE2	9	2.03
(1,1488)	1:78:A:VAL:HG22	1:71:B:PHE:HE2	9	2.03
(1,1488)	1:78:A:VAL:HG23	1:71:B:PHE:HE2	9	2.03
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG21	9	2.03
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG22	9	2.03
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG23	9	2.03
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG21	11	2.03
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG22	11	2.03
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG23	11	2.03
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD21	13	2.03
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD22	13	2.03
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD23	13	2.03
(1,2847)	1:36:B:LEU:HD11	1:41:B:LEU:HG	19	2.02
(1,2847)	1:36:B:LEU:HD12	1:41:B:LEU:HG	19	2.02
(1,2847)	1:36:B:LEU:HD13	1:41:B:LEU:HG	19	2.02
(1,2847)	1:36:B:LEU:HD21	1:41:B:LEU:HG	19	2.02
(1,2847)	1:36:B:LEU:HD22	1:41:B:LEU:HG	19	2.02
(1,2847)	1:36:B:LEU:HD23	1:41:B:LEU:HG	19	2.02
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG2	3	2.02
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG3	3	2.02
(1,2465)	1:41:A:LEU:HG	1:44:A:PHE:HE1	7	2.02
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB1	4	2.02
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB2	4	2.02
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB3	4	2.02
(1,1705)	1:29:A:SER:HB2	1:68:A:GLU:HG2	8	2.02
(1,1595)	1:29:A:SER:HB2	1:68:A:GLU:HG3	10	2.02
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG21	3	2.02
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG22	3	2.02
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG23	3	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,900)	1:29:B:SER:H	1:68:B:GLU:HG2	4	2.02
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB1	3	2.01
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB2	3	2.01
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB3	3	2.01
(1,1705)	1:29:A:SER:HB2	1:68:A:GLU:HG2	1	2.01
(1,1488)	1:78:A:VAL:HG21	1:71:B:PHE:HE2	3	2.01
(1,1488)	1:78:A:VAL:HG22	1:71:B:PHE:HE2	3	2.01
(1,1488)	1:78:A:VAL:HG23	1:71:B:PHE:HE2	3	2.01
(1,1488)	1:78:A:VAL:HG21	1:71:B:PHE:HE2	6	2.01
(1,1488)	1:78:A:VAL:HG22	1:71:B:PHE:HE2	6	2.01
(1,1488)	1:78:A:VAL:HG23	1:71:B:PHE:HE2	6	2.01
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG2	13	2.0
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG3	13	2.0
(1,2466)	1:41:B:LEU:HG	1:44:B:PHE:HE1	20	2.0
(1,2465)	1:41:A:LEU:HG	1:44:A:PHE:HE1	2	2.0
(1,2465)	1:41:A:LEU:HG	1:44:A:PHE:HE1	12	2.0
(1,2465)	1:41:A:LEU:HG	1:44:A:PHE:HE1	13	2.0
(1,1706)	1:29:B:SER:HB2	1:68:B:GLU:HG2	5	2.0
(1,1488)	1:78:A:VAL:HG21	1:71:B:PHE:HE2	20	2.0
(1,1488)	1:78:A:VAL:HG22	1:71:B:PHE:HE2	20	2.0
(1,1488)	1:78:A:VAL:HG23	1:71:B:PHE:HE2	20	2.0
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG21	5	2.0
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG22	5	2.0
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG23	5	2.0
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE2	11	2.0
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE3	11	2.0
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE2	18	2.0
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE3	18	2.0
(1,900)	1:29:B:SER:H	1:68:B:GLU:HG2	15	2.0
(1,899)	1:29:A:SER:H	1:68:A:GLU:HG2	15	2.0
(1,509)	1:41:A:LEU:HD21	1:5:B:GLU:H	11	2.0
(1,509)	1:41:A:LEU:HD22	1:5:B:GLU:H	11	2.0
(1,509)	1:41:A:LEU:HD23	1:5:B:GLU:H	11	2.0
(1,2465)	1:41:A:LEU:HG	1:44:A:PHE:HE1	18	1.99
(1,1706)	1:29:B:SER:HB2	1:68:B:GLU:HG2	19	1.99
(1,1705)	1:29:A:SER:HB2	1:68:A:GLU:HG2	9	1.99
(1,1488)	1:78:A:VAL:HG21	1:71:B:PHE:HE2	1	1.99
(1,1488)	1:78:A:VAL:HG22	1:71:B:PHE:HE2	1	1.99
(1,1488)	1:78:A:VAL:HG23	1:71:B:PHE:HE2	1	1.99
(1,1488)	1:78:A:VAL:HG21	1:71:B:PHE:HE2	2	1.99
(1,1488)	1:78:A:VAL:HG22	1:71:B:PHE:HE2	2	1.99
(1,1488)	1:78:A:VAL:HG23	1:71:B:PHE:HE2	2	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1488)	1:78:A:VAL:HG21	1:71:B:PHE:HE2	8	1.99
(1,1488)	1:78:A:VAL:HG22	1:71:B:PHE:HE2	8	1.99
(1,1488)	1:78:A:VAL:HG23	1:71:B:PHE:HE2	8	1.99
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE2	14	1.99
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE3	14	1.99
(1,900)	1:29:B:SER:H	1:68:B:GLU:HG2	1	1.99
(1,2847)	1:36:B:LEU:HD11	1:41:B:LEU:HG	5	1.98
(1,2847)	1:36:B:LEU:HD12	1:41:B:LEU:HG	5	1.98
(1,2847)	1:36:B:LEU:HD13	1:41:B:LEU:HG	5	1.98
(1,2847)	1:36:B:LEU:HD21	1:41:B:LEU:HG	5	1.98
(1,2847)	1:36:B:LEU:HD22	1:41:B:LEU:HG	5	1.98
(1,2847)	1:36:B:LEU:HD23	1:41:B:LEU:HG	5	1.98
(1,2466)	1:41:B:LEU:HG	1:44:B:PHE:HE1	18	1.98
(1,2465)	1:41:A:LEU:HG	1:44:A:PHE:HE1	10	1.98
(1,1984)	1:41:B:LEU:HD21	1:44:B:PHE:HD1	10	1.98
(1,1984)	1:41:B:LEU:HD22	1:44:B:PHE:HD1	10	1.98
(1,1984)	1:41:B:LEU:HD23	1:44:B:PHE:HD1	10	1.98
(1,1488)	1:78:A:VAL:HG21	1:71:B:PHE:HE2	11	1.98
(1,1488)	1:78:A:VAL:HG22	1:71:B:PHE:HE2	11	1.98
(1,1488)	1:78:A:VAL:HG23	1:71:B:PHE:HE2	11	1.98
(1,1488)	1:78:A:VAL:HG21	1:71:B:PHE:HE2	15	1.98
(1,1488)	1:78:A:VAL:HG22	1:71:B:PHE:HE2	15	1.98
(1,1488)	1:78:A:VAL:HG23	1:71:B:PHE:HE2	15	1.98
(1,1488)	1:78:A:VAL:HG21	1:71:B:PHE:HE2	17	1.98
(1,1488)	1:78:A:VAL:HG22	1:71:B:PHE:HE2	17	1.98
(1,1488)	1:78:A:VAL:HG23	1:71:B:PHE:HE2	17	1.98
(1,1488)	1:78:A:VAL:HG21	1:71:B:PHE:HE2	19	1.98
(1,1488)	1:78:A:VAL:HG22	1:71:B:PHE:HE2	19	1.98
(1,1488)	1:78:A:VAL:HG23	1:71:B:PHE:HE2	19	1.98
(1,602)	1:29:B:SER:H	1:68:B:GLU:HG3	13	1.98
(1,2465)	1:41:A:LEU:HG	1:44:A:PHE:HE1	5	1.97
(1,1488)	1:78:A:VAL:HG21	1:71:B:PHE:HE2	7	1.97
(1,1488)	1:78:A:VAL:HG22	1:71:B:PHE:HE2	7	1.97
(1,1488)	1:78:A:VAL:HG23	1:71:B:PHE:HE2	7	1.97
(1,602)	1:29:B:SER:H	1:68:B:GLU:HG3	7	1.97
(1,509)	1:41:A:LEU:HD21	1:5:B:GLU:H	19	1.97
(1,509)	1:41:A:LEU:HD22	1:5:B:GLU:H	19	1.97
(1,509)	1:41:A:LEU:HD23	1:5:B:GLU:H	19	1.97
(1,2465)	1:41:A:LEU:HG	1:44:A:PHE:HE1	6	1.96
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB1	17	1.96
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB2	17	1.96
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB3	17	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG21	7	1.96
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG22	7	1.96
(1,1487)	1:71:A:PHE:HE2	1:78:B:VAL:HG23	7	1.96
(1,899)	1:29:A:SER:H	1:68:A:GLU:HG2	12	1.96
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD21	9	1.96
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD22	9	1.96
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD23	9	1.96
(1,2847)	1:36:B:LEU:HD11	1:41:B:LEU:HG	11	1.95
(1,2847)	1:36:B:LEU:HD12	1:41:B:LEU:HG	11	1.95
(1,2847)	1:36:B:LEU:HD13	1:41:B:LEU:HG	11	1.95
(1,2847)	1:36:B:LEU:HD21	1:41:B:LEU:HG	11	1.95
(1,2847)	1:36:B:LEU:HD22	1:41:B:LEU:HG	11	1.95
(1,2847)	1:36:B:LEU:HD23	1:41:B:LEU:HG	11	1.95
(1,1984)	1:41:B:LEU:HD21	1:44:B:PHE:HD1	5	1.95
(1,1984)	1:41:B:LEU:HD22	1:44:B:PHE:HD1	5	1.95
(1,1984)	1:41:B:LEU:HD23	1:44:B:PHE:HD1	5	1.95
(1,1984)	1:41:B:LEU:HD21	1:44:B:PHE:HD1	7	1.95
(1,1984)	1:41:B:LEU:HD22	1:44:B:PHE:HD1	7	1.95
(1,1984)	1:41:B:LEU:HD23	1:44:B:PHE:HD1	7	1.95
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB1	11	1.95
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB2	11	1.95
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB3	11	1.95
(1,1706)	1:29:B:SER:HB2	1:68:B:GLU:HG2	8	1.95
(1,1706)	1:29:B:SER:HB2	1:68:B:GLU:HG2	9	1.95
(1,1595)	1:29:A:SER:HB2	1:68:A:GLU:HG3	20	1.95
(1,1488)	1:78:A:VAL:HG21	1:71:B:PHE:HE2	10	1.95
(1,1488)	1:78:A:VAL:HG22	1:71:B:PHE:HE2	10	1.95
(1,1488)	1:78:A:VAL:HG23	1:71:B:PHE:HE2	10	1.95
(1,2466)	1:41:B:LEU:HG	1:44:B:PHE:HE1	3	1.94
(1,1913)	1:41:A:LEU:HD21	1:5:B:GLU:HB3	10	1.94
(1,1913)	1:41:A:LEU:HD22	1:5:B:GLU:HB3	10	1.94
(1,1913)	1:41:A:LEU:HD23	1:5:B:GLU:HB3	10	1.94
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB1	19	1.94
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB2	19	1.94
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB3	19	1.94
(1,1706)	1:29:B:SER:HB2	1:68:B:GLU:HG2	15	1.94
(1,1705)	1:29:A:SER:HB2	1:68:A:GLU:HG2	18	1.94
(1,1596)	1:29:B:SER:HB2	1:68:B:GLU:HG3	16	1.94
(1,1488)	1:78:A:VAL:HG21	1:71:B:PHE:HE2	18	1.94
(1,1488)	1:78:A:VAL:HG22	1:71:B:PHE:HE2	18	1.94
(1,1488)	1:78:A:VAL:HG23	1:71:B:PHE:HE2	18	1.94
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD21	1	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD22	1	1.93
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD23	1	1.93
(1,2847)	1:36:B:LEU:HD11	1:41:B:LEU:HG	18	1.92
(1,2847)	1:36:B:LEU:HD12	1:41:B:LEU:HG	18	1.92
(1,2847)	1:36:B:LEU:HD13	1:41:B:LEU:HG	18	1.92
(1,2847)	1:36:B:LEU:HD21	1:41:B:LEU:HG	18	1.92
(1,2847)	1:36:B:LEU:HD22	1:41:B:LEU:HG	18	1.92
(1,2847)	1:36:B:LEU:HD23	1:41:B:LEU:HG	18	1.92
(1,2652)	1:36:A:LEU:HD11	1:41:A:LEU:HG	8	1.92
(1,2652)	1:36:A:LEU:HD12	1:41:A:LEU:HG	8	1.92
(1,2652)	1:36:A:LEU:HD13	1:41:A:LEU:HG	8	1.92
(1,2652)	1:36:A:LEU:HD21	1:41:A:LEU:HG	8	1.92
(1,2652)	1:36:A:LEU:HD22	1:41:A:LEU:HG	8	1.92
(1,2652)	1:36:A:LEU:HD23	1:41:A:LEU:HG	8	1.92
(1,2465)	1:41:A:LEU:HG	1:44:A:PHE:HE1	14	1.92
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE2	10	1.92
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE3	10	1.92
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE2	20	1.92
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE3	20	1.92
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB1	6	1.92
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB2	6	1.92
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB3	6	1.92
(1,1706)	1:29:B:SER:HB2	1:68:B:GLU:HG2	18	1.92
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG21	20	1.92
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG22	20	1.92
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG23	20	1.92
(1,1488)	1:78:A:VAL:HG21	1:71:B:PHE:HE2	16	1.92
(1,1488)	1:78:A:VAL:HG22	1:71:B:PHE:HE2	16	1.92
(1,1488)	1:78:A:VAL:HG23	1:71:B:PHE:HE2	16	1.92
(1,2847)	1:36:B:LEU:HD11	1:41:B:LEU:HG	8	1.91
(1,2847)	1:36:B:LEU:HD12	1:41:B:LEU:HG	8	1.91
(1,2847)	1:36:B:LEU:HD13	1:41:B:LEU:HG	8	1.91
(1,2847)	1:36:B:LEU:HD21	1:41:B:LEU:HG	8	1.91
(1,2847)	1:36:B:LEU:HD22	1:41:B:LEU:HG	8	1.91
(1,2847)	1:36:B:LEU:HD23	1:41:B:LEU:HG	8	1.91
(1,1913)	1:41:A:LEU:HD21	1:5:B:GLU:HB3	20	1.91
(1,1913)	1:41:A:LEU:HD22	1:5:B:GLU:HB3	20	1.91
(1,1913)	1:41:A:LEU:HD23	1:5:B:GLU:HB3	20	1.91
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB1	19	1.91
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB2	19	1.91
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB3	19	1.91
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB1	10	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB2	10	1.91
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB3	10	1.91
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB1	14	1.91
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB2	14	1.91
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB3	14	1.91
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE2	3	1.91
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE3	3	1.91
(1,2466)	1:41:B:LEU:HG	1:44:B:PHE:HE1	11	1.9
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB1	11	1.9
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB2	11	1.9
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB3	11	1.9
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB1	11	1.9
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB2	11	1.9
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB3	11	1.9
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB1	11	1.9
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB2	11	1.9
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB3	11	1.9
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD21	16	1.9
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD22	16	1.9
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD23	16	1.9
(1,1913)	1:41:A:LEU:HD21	1:5:B:GLU:HB3	9	1.9
(1,1913)	1:41:A:LEU:HD22	1:5:B:GLU:HB3	9	1.9
(1,1913)	1:41:A:LEU:HD23	1:5:B:GLU:HB3	9	1.9
(1,1705)	1:29:A:SER:HB2	1:68:A:GLU:HG2	16	1.9
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG21	1	1.9
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG22	1	1.9
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG23	1	1.9
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG21	8	1.9
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG22	8	1.9
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG23	8	1.9
(1,1488)	1:78:A:VAL:HG21	1:71:B:PHE:HE2	12	1.9
(1,1488)	1:78:A:VAL:HG22	1:71:B:PHE:HE2	12	1.9
(1,1488)	1:78:A:VAL:HG23	1:71:B:PHE:HE2	12	1.9
(1,1488)	1:78:A:VAL:HG21	1:71:B:PHE:HE2	14	1.9
(1,1488)	1:78:A:VAL:HG22	1:71:B:PHE:HE2	14	1.9
(1,1488)	1:78:A:VAL:HG23	1:71:B:PHE:HE2	14	1.9
(1,2847)	1:36:B:LEU:HD11	1:41:B:LEU:HG	10	1.89
(1,2847)	1:36:B:LEU:HD12	1:41:B:LEU:HG	10	1.89
(1,2847)	1:36:B:LEU:HD13	1:41:B:LEU:HG	10	1.89
(1,2847)	1:36:B:LEU:HD21	1:41:B:LEU:HG	10	1.89
(1,2847)	1:36:B:LEU:HD22	1:41:B:LEU:HG	10	1.89
(1,2847)	1:36:B:LEU:HD23	1:41:B:LEU:HG	10	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2847)	1:36:B:LEU:HD11	1:41:B:LEU:HG	16	1.89
(1,2847)	1:36:B:LEU:HD12	1:41:B:LEU:HG	16	1.89
(1,2847)	1:36:B:LEU:HD13	1:41:B:LEU:HG	16	1.89
(1,2847)	1:36:B:LEU:HD21	1:41:B:LEU:HG	16	1.89
(1,2847)	1:36:B:LEU:HD22	1:41:B:LEU:HG	16	1.89
(1,2847)	1:36:B:LEU:HD23	1:41:B:LEU:HG	16	1.89
(1,2652)	1:36:A:LEU:HD11	1:41:A:LEU:HG	19	1.89
(1,2652)	1:36:A:LEU:HD12	1:41:A:LEU:HG	19	1.89
(1,2652)	1:36:A:LEU:HD13	1:41:A:LEU:HG	19	1.89
(1,2652)	1:36:A:LEU:HD21	1:41:A:LEU:HG	19	1.89
(1,2652)	1:36:A:LEU:HD22	1:41:A:LEU:HG	19	1.89
(1,2652)	1:36:A:LEU:HD23	1:41:A:LEU:HG	19	1.89
(1,2466)	1:41:B:LEU:HG	1:44:B:PHE:HE1	2	1.89
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB1	8	1.89
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB2	8	1.89
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB3	8	1.89
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB1	8	1.89
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB2	8	1.89
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB3	8	1.89
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB1	8	1.89
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB2	8	1.89
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB3	8	1.89
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB1	16	1.89
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB2	16	1.89
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB3	16	1.89
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB1	16	1.89
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB2	16	1.89
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB3	16	1.89
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB1	16	1.89
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB2	16	1.89
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB3	16	1.89
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB1	18	1.89
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB2	18	1.89
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB3	18	1.89
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB1	18	1.89
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB2	18	1.89
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB3	18	1.89
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB1	18	1.89
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB2	18	1.89
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB3	18	1.89
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD21	6	1.89
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD22	6	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD23	6	1.89
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB1	2	1.89
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB2	2	1.89
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB3	2	1.89
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB1	13	1.89
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB2	13	1.89
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB3	13	1.89
(1,1706)	1:29:B:SER:HB2	1:68:B:GLU:HG2	17	1.89
(1,1705)	1:29:A:SER:HB2	1:68:A:GLU:HG2	14	1.89
(1,1705)	1:29:A:SER:HB2	1:68:A:GLU:HG2	15	1.89
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG21	6	1.89
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG22	6	1.89
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG23	6	1.89
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG21	15	1.89
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG22	15	1.89
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG23	15	1.89
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG21	18	1.89
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG22	18	1.89
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG23	18	1.89
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG21	6	1.89
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG22	6	1.89
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG23	6	1.89
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG21	10	1.89
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG22	10	1.89
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG23	10	1.89
(1,2847)	1:36:B:LEU:HD11	1:41:B:LEU:HG	12	1.88
(1,2847)	1:36:B:LEU:HD12	1:41:B:LEU:HG	12	1.88
(1,2847)	1:36:B:LEU:HD13	1:41:B:LEU:HG	12	1.88
(1,2847)	1:36:B:LEU:HD21	1:41:B:LEU:HG	12	1.88
(1,2847)	1:36:B:LEU:HD22	1:41:B:LEU:HG	12	1.88
(1,2847)	1:36:B:LEU:HD23	1:41:B:LEU:HG	12	1.88
(1,2847)	1:36:B:LEU:HD11	1:41:B:LEU:HG	15	1.88
(1,2847)	1:36:B:LEU:HD12	1:41:B:LEU:HG	15	1.88
(1,2847)	1:36:B:LEU:HD13	1:41:B:LEU:HG	15	1.88
(1,2847)	1:36:B:LEU:HD21	1:41:B:LEU:HG	15	1.88
(1,2847)	1:36:B:LEU:HD22	1:41:B:LEU:HG	15	1.88
(1,2847)	1:36:B:LEU:HD23	1:41:B:LEU:HG	15	1.88
(1,2465)	1:41:A:LEU:HG	1:44:A:PHE:HE1	1	1.88
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB1	17	1.88
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB2	17	1.88
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB3	17	1.88
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB1	17	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB2	17	1.88
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB3	17	1.88
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB1	17	1.88
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB2	17	1.88
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB3	17	1.88
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB1	19	1.88
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB2	19	1.88
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB3	19	1.88
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB1	19	1.88
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB2	19	1.88
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB3	19	1.88
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB1	19	1.88
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB2	19	1.88
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB3	19	1.88
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB1	20	1.88
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB2	20	1.88
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB3	20	1.88
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB1	20	1.88
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB2	20	1.88
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB3	20	1.88
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB1	20	1.88
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB2	20	1.88
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB3	20	1.88
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB1	2	1.88
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB2	2	1.88
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB3	2	1.88
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB1	2	1.88
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB2	2	1.88
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB3	2	1.88
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB1	2	1.88
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB2	2	1.88
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB3	2	1.88
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB1	8	1.88
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB2	8	1.88
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB3	8	1.88
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB1	8	1.88
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB2	8	1.88
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB3	8	1.88
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB1	8	1.88
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB2	8	1.88
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB3	8	1.88
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB1	12	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB2	12	1.88
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB3	12	1.88
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB1	12	1.88
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB2	12	1.88
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB3	12	1.88
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB1	12	1.88
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB2	12	1.88
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB3	12	1.88
(1,1706)	1:29:B:SER:HB2	1:68:B:GLU:HG2	1	1.88
(1,1706)	1:29:B:SER:HB2	1:68:B:GLU:HG2	6	1.88
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG21	8	1.88
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG22	8	1.88
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG23	8	1.88
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG21	3	1.88
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG22	3	1.88
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG23	3	1.88
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG21	7	1.88
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG22	7	1.88
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG23	7	1.88
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG21	15	1.88
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG22	15	1.88
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG23	15	1.88
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG21	20	1.88
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG22	20	1.88
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG23	20	1.88
(1,900)	1:29:B:SER:H	1:68:B:GLU:HG2	13	1.88
(1,2847)	1:36:B:LEU:HD11	1:41:B:LEU:HG	2	1.87
(1,2847)	1:36:B:LEU:HD12	1:41:B:LEU:HG	2	1.87
(1,2847)	1:36:B:LEU:HD13	1:41:B:LEU:HG	2	1.87
(1,2847)	1:36:B:LEU:HD21	1:41:B:LEU:HG	2	1.87
(1,2847)	1:36:B:LEU:HD22	1:41:B:LEU:HG	2	1.87
(1,2847)	1:36:B:LEU:HD23	1:41:B:LEU:HG	2	1.87
(1,2652)	1:36:A:LEU:HD11	1:41:A:LEU:HG	1	1.87
(1,2652)	1:36:A:LEU:HD12	1:41:A:LEU:HG	1	1.87
(1,2652)	1:36:A:LEU:HD13	1:41:A:LEU:HG	1	1.87
(1,2652)	1:36:A:LEU:HD21	1:41:A:LEU:HG	1	1.87
(1,2652)	1:36:A:LEU:HD22	1:41:A:LEU:HG	1	1.87
(1,2652)	1:36:A:LEU:HD23	1:41:A:LEU:HG	1	1.87
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB1	5	1.87
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB2	5	1.87
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB3	5	1.87
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB1	5	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB2	5	1.87
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB3	5	1.87
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB1	5	1.87
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB2	5	1.87
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB3	5	1.87
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB1	12	1.87
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB2	12	1.87
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB3	12	1.87
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB1	12	1.87
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB2	12	1.87
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB3	12	1.87
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB1	12	1.87
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB2	12	1.87
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB3	12	1.87
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB1	13	1.87
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB2	13	1.87
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB3	13	1.87
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB1	13	1.87
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB2	13	1.87
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB3	13	1.87
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB1	13	1.87
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB2	13	1.87
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB3	13	1.87
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB1	14	1.87
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB2	14	1.87
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB3	14	1.87
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB1	14	1.87
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB2	14	1.87
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB3	14	1.87
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB1	14	1.87
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB2	14	1.87
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB3	14	1.87
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB1	1	1.87
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB2	1	1.87
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB3	1	1.87
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB1	1	1.87
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB2	1	1.87
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB3	1	1.87
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB1	1	1.87
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB2	1	1.87
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB3	1	1.87
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB1	3	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB2	3	1.87
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB3	3	1.87
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB1	3	1.87
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB2	3	1.87
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB3	3	1.87
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB1	3	1.87
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB2	3	1.87
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB3	3	1.87
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB1	4	1.87
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB2	4	1.87
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB3	4	1.87
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB1	4	1.87
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB2	4	1.87
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB3	4	1.87
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB1	4	1.87
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB2	4	1.87
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB3	4	1.87
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB1	6	1.87
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB2	6	1.87
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB3	6	1.87
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB1	6	1.87
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB2	6	1.87
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB3	6	1.87
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB1	6	1.87
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB2	6	1.87
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB3	6	1.87
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE2	8	1.87
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE3	8	1.87
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG21	1	1.87
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG22	1	1.87
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG23	1	1.87
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG21	9	1.87
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG22	9	1.87
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG23	9	1.87
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG21	12	1.87
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG22	12	1.87
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG23	12	1.87
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG21	14	1.87
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG22	14	1.87
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG23	14	1.87
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG21	11	1.87
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG22	11	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG23	11	1.87
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG21	18	1.87
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG22	18	1.87
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG23	18	1.87
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG21	19	1.87
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG22	19	1.87
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG23	19	1.87
(1,2465)	1:41:A:LEU:HG	1:44:A:PHE:HE1	8	1.86
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB1	1	1.86
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB2	1	1.86
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB3	1	1.86
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB1	1	1.86
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB2	1	1.86
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB3	1	1.86
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB1	1	1.86
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB2	1	1.86
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB3	1	1.86
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB1	2	1.86
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB2	2	1.86
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB3	2	1.86
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB1	2	1.86
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB2	2	1.86
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB3	2	1.86
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB1	2	1.86
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB2	2	1.86
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB3	2	1.86
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB1	6	1.86
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB2	6	1.86
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB3	6	1.86
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB1	6	1.86
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB2	6	1.86
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB3	6	1.86
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB1	6	1.86
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB2	6	1.86
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB3	6	1.86
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB1	7	1.86
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB2	7	1.86
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB3	7	1.86
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB1	7	1.86
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB2	7	1.86
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB3	7	1.86
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB1	7	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB2	7	1.86
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB3	7	1.86
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB1	9	1.86
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB2	9	1.86
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB3	9	1.86
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB1	9	1.86
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB2	9	1.86
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB3	9	1.86
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB1	9	1.86
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB2	9	1.86
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB3	9	1.86
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB1	10	1.86
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB2	10	1.86
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB3	10	1.86
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB1	10	1.86
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB2	10	1.86
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB3	10	1.86
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB1	10	1.86
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB2	10	1.86
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB3	10	1.86
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB1	15	1.86
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB2	15	1.86
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB3	15	1.86
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB1	15	1.86
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB2	15	1.86
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB3	15	1.86
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB1	15	1.86
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB2	15	1.86
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB3	15	1.86
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB1	13	1.86
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB2	13	1.86
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB3	13	1.86
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB1	13	1.86
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB2	13	1.86
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB3	13	1.86
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB1	13	1.86
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB2	13	1.86
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB3	13	1.86
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB1	14	1.86
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB2	14	1.86
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB3	14	1.86
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB1	14	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB2	14	1.86
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB3	14	1.86
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB1	14	1.86
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB2	14	1.86
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB3	14	1.86
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB1	16	1.86
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB2	16	1.86
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB3	16	1.86
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB1	16	1.86
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB2	16	1.86
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB3	16	1.86
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB1	16	1.86
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB2	16	1.86
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB3	16	1.86
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB1	19	1.86
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB2	19	1.86
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB3	19	1.86
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB1	19	1.86
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB2	19	1.86
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB3	19	1.86
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB1	19	1.86
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB2	19	1.86
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB3	19	1.86
(1,1705)	1:29:A:SER:HB2	1:68:A:GLU:HG2	4	1.86
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG21	7	1.86
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG22	7	1.86
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG23	7	1.86
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG21	4	1.86
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG22	4	1.86
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG23	4	1.86
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG21	13	1.86
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG22	13	1.86
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG23	13	1.86
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD21	7	1.86
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD22	7	1.86
(1,510)	1:5:A:GLU:H	1:41:B:LEU:HD23	7	1.86
(1,2652)	1:36:A:LEU:HD11	1:41:A:LEU:HG	13	1.85
(1,2652)	1:36:A:LEU:HD12	1:41:A:LEU:HG	13	1.85
(1,2652)	1:36:A:LEU:HD13	1:41:A:LEU:HG	13	1.85
(1,2652)	1:36:A:LEU:HD21	1:41:A:LEU:HG	13	1.85
(1,2652)	1:36:A:LEU:HD22	1:41:A:LEU:HG	13	1.85
(1,2652)	1:36:A:LEU:HD23	1:41:A:LEU:HG	13	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB1	4	1.85
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB2	4	1.85
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB3	4	1.85
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB1	4	1.85
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB2	4	1.85
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB3	4	1.85
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB1	4	1.85
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB2	4	1.85
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB3	4	1.85
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB1	5	1.85
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB2	5	1.85
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB3	5	1.85
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB1	5	1.85
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB2	5	1.85
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB3	5	1.85
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB1	5	1.85
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB2	5	1.85
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB3	5	1.85
(1,1913)	1:41:A:LEU:HD21	1:5:B:GLU:HB3	2	1.85
(1,1913)	1:41:A:LEU:HD22	1:5:B:GLU:HB3	2	1.85
(1,1913)	1:41:A:LEU:HD23	1:5:B:GLU:HB3	2	1.85
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB1	8	1.85
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB2	8	1.85
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB3	8	1.85
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB1	20	1.85
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB2	20	1.85
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB3	20	1.85
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB1	9	1.85
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB2	9	1.85
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB3	9	1.85
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG21	3	1.85
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG22	3	1.85
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG23	3	1.85
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG21	12	1.85
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG22	12	1.85
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG23	12	1.85
(1,2847)	1:36:B:LEU:HD11	1:41:B:LEU:HG	17	1.84
(1,2847)	1:36:B:LEU:HD12	1:41:B:LEU:HG	17	1.84
(1,2847)	1:36:B:LEU:HD13	1:41:B:LEU:HG	17	1.84
(1,2847)	1:36:B:LEU:HD21	1:41:B:LEU:HG	17	1.84
(1,2847)	1:36:B:LEU:HD22	1:41:B:LEU:HG	17	1.84
(1,2847)	1:36:B:LEU:HD23	1:41:B:LEU:HG	17	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2652)	1:36:A:LEU:HD11	1:41:A:LEU:HG	12	1.84
(1,2652)	1:36:A:LEU:HD12	1:41:A:LEU:HG	12	1.84
(1,2652)	1:36:A:LEU:HD13	1:41:A:LEU:HG	12	1.84
(1,2652)	1:36:A:LEU:HD21	1:41:A:LEU:HG	12	1.84
(1,2652)	1:36:A:LEU:HD22	1:41:A:LEU:HG	12	1.84
(1,2652)	1:36:A:LEU:HD23	1:41:A:LEU:HG	12	1.84
(1,2465)	1:41:A:LEU:HG	1:44:A:PHE:HE1	9	1.84
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB1	11	1.84
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB2	11	1.84
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB3	11	1.84
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB1	11	1.84
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB2	11	1.84
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB3	11	1.84
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB1	11	1.84
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB2	11	1.84
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB3	11	1.84
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB1	7	1.84
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB2	7	1.84
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB3	7	1.84
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB1	7	1.84
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB2	7	1.84
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB3	7	1.84
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB1	7	1.84
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB2	7	1.84
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB3	7	1.84
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB1	9	1.84
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB2	9	1.84
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB3	9	1.84
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB1	9	1.84
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB2	9	1.84
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB3	9	1.84
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB1	9	1.84
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB2	9	1.84
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB3	9	1.84
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB1	17	1.84
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB2	17	1.84
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB3	17	1.84
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB1	17	1.84
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB2	17	1.84
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB3	17	1.84
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB1	17	1.84
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB2	17	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB3	17	1.84
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB1	18	1.84
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB2	18	1.84
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB3	18	1.84
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB1	18	1.84
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB2	18	1.84
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB3	18	1.84
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB1	18	1.84
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB2	18	1.84
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB3	18	1.84
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB1	14	1.84
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB2	14	1.84
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB3	14	1.84
(1,1706)	1:29:B:SER:HB2	1:68:B:GLU:HG2	20	1.84
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG21	11	1.84
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG22	11	1.84
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG23	11	1.84
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB1	3	1.83
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB2	3	1.83
(1,2352)	1:78:B:VAL:HG21	1:79:B:ALA:HB3	3	1.83
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB1	3	1.83
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB2	3	1.83
(1,2352)	1:78:B:VAL:HG22	1:79:B:ALA:HB3	3	1.83
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB1	3	1.83
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB2	3	1.83
(1,2352)	1:78:B:VAL:HG23	1:79:B:ALA:HB3	3	1.83
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB1	10	1.83
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB2	10	1.83
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB3	10	1.83
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB1	10	1.83
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB2	10	1.83
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB3	10	1.83
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB1	10	1.83
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB2	10	1.83
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB3	10	1.83
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD21	2	1.83
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD22	2	1.83
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD23	2	1.83
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD21	9	1.83
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD22	9	1.83
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD23	9	1.83
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD21	11	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD22	11	1.83
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD23	11	1.83
(1,1913)	1:41:A:LEU:HD21	1:5:B:GLU:HB3	7	1.83
(1,1913)	1:41:A:LEU:HD22	1:5:B:GLU:HB3	7	1.83
(1,1913)	1:41:A:LEU:HD23	1:5:B:GLU:HB3	7	1.83
(1,1913)	1:41:A:LEU:HD21	1:5:B:GLU:HB3	13	1.83
(1,1913)	1:41:A:LEU:HD22	1:5:B:GLU:HB3	13	1.83
(1,1913)	1:41:A:LEU:HD23	1:5:B:GLU:HB3	13	1.83
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG21	14	1.83
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG22	14	1.83
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG23	14	1.83
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB1	20	1.82
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB2	20	1.82
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB3	20	1.82
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB1	20	1.82
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB2	20	1.82
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB3	20	1.82
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB1	20	1.82
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB2	20	1.82
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB3	20	1.82
(1,1913)	1:41:A:LEU:HD21	1:5:B:GLU:HB3	6	1.82
(1,1913)	1:41:A:LEU:HD22	1:5:B:GLU:HB3	6	1.82
(1,1913)	1:41:A:LEU:HD23	1:5:B:GLU:HB3	6	1.82
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB1	13	1.82
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB2	13	1.82
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB3	13	1.82
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG21	2	1.82
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG22	2	1.82
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG23	2	1.82
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB1	15	1.81
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB2	15	1.81
(1,2351)	1:78:A:VAL:HG21	1:79:A:ALA:HB3	15	1.81
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB1	15	1.81
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB2	15	1.81
(1,2351)	1:78:A:VAL:HG22	1:79:A:ALA:HB3	15	1.81
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB1	15	1.81
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB2	15	1.81
(1,2351)	1:78:A:VAL:HG23	1:79:A:ALA:HB3	15	1.81
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE2	18	1.81
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE3	18	1.81
(1,1913)	1:41:A:LEU:HD21	1:5:B:GLU:HB3	1	1.81
(1,1913)	1:41:A:LEU:HD22	1:5:B:GLU:HB3	1	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1913)	1:41:A:LEU:HD23	1:5:B:GLU:HB3	1	1.81
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB1	12	1.81
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB2	12	1.81
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB3	12	1.81
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG21	4	1.81
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG22	4	1.81
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG23	4	1.81
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG21	5	1.81
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG22	5	1.81
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG23	5	1.81
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG21	10	1.81
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG22	10	1.81
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG23	10	1.81
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG21	19	1.81
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG22	19	1.81
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG23	19	1.81
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG21	5	1.81
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG22	5	1.81
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG23	5	1.81
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG21	17	1.81
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG22	17	1.81
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG23	17	1.81
(1,2652)	1:36:A:LEU:HD11	1:41:A:LEU:HG	20	1.8
(1,2652)	1:36:A:LEU:HD12	1:41:A:LEU:HG	20	1.8
(1,2652)	1:36:A:LEU:HD13	1:41:A:LEU:HG	20	1.8
(1,2652)	1:36:A:LEU:HD21	1:41:A:LEU:HG	20	1.8
(1,2652)	1:36:A:LEU:HD22	1:41:A:LEU:HG	20	1.8
(1,2652)	1:36:A:LEU:HD23	1:41:A:LEU:HG	20	1.8
(1,2466)	1:41:B:LEU:HG	1:44:B:PHE:HE1	6	1.8
(1,1706)	1:29:B:SER:HB2	1:68:B:GLU:HG2	13	1.8
(1,1705)	1:29:A:SER:HB2	1:68:A:GLU:HG2	7	1.8
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG2	2	1.79
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG3	2	1.79
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD21	18	1.79
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD22	18	1.79
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD23	18	1.79
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG21	17	1.79
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG22	17	1.79
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG23	17	1.79
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG21	2	1.79
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG22	2	1.79
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG23	2	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG21	9	1.79
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG22	9	1.79
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG23	9	1.79
(1,2847)	1:36:B:LEU:HD11	1:41:B:LEU:HG	7	1.78
(1,2847)	1:36:B:LEU:HD12	1:41:B:LEU:HG	7	1.78
(1,2847)	1:36:B:LEU:HD13	1:41:B:LEU:HG	7	1.78
(1,2847)	1:36:B:LEU:HD21	1:41:B:LEU:HG	7	1.78
(1,2847)	1:36:B:LEU:HD22	1:41:B:LEU:HG	7	1.78
(1,2847)	1:36:B:LEU:HD23	1:41:B:LEU:HG	7	1.78
(1,2847)	1:36:B:LEU:HD11	1:41:B:LEU:HG	13	1.78
(1,2847)	1:36:B:LEU:HD12	1:41:B:LEU:HG	13	1.78
(1,2847)	1:36:B:LEU:HD13	1:41:B:LEU:HG	13	1.78
(1,2847)	1:36:B:LEU:HD21	1:41:B:LEU:HG	13	1.78
(1,2847)	1:36:B:LEU:HD22	1:41:B:LEU:HG	13	1.78
(1,2847)	1:36:B:LEU:HD23	1:41:B:LEU:HG	13	1.78
(1,2652)	1:36:A:LEU:HD11	1:41:A:LEU:HG	9	1.78
(1,2652)	1:36:A:LEU:HD12	1:41:A:LEU:HG	9	1.78
(1,2652)	1:36:A:LEU:HD13	1:41:A:LEU:HG	9	1.78
(1,2652)	1:36:A:LEU:HD21	1:41:A:LEU:HG	9	1.78
(1,2652)	1:36:A:LEU:HD22	1:41:A:LEU:HG	9	1.78
(1,2652)	1:36:A:LEU:HD23	1:41:A:LEU:HG	9	1.78
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD21	4	1.78
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD22	4	1.78
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD23	4	1.78
(1,1913)	1:41:A:LEU:HD21	1:5:B:GLU:HB3	8	1.78
(1,1913)	1:41:A:LEU:HD22	1:5:B:GLU:HB3	8	1.78
(1,1913)	1:41:A:LEU:HD23	1:5:B:GLU:HB3	8	1.78
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG21	16	1.78
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG22	16	1.78
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG23	16	1.78
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE2	19	1.78
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE3	19	1.78
(1,601)	1:29:A:SER:H	1:68:A:GLU:HG3	3	1.78
(1,2652)	1:36:A:LEU:HD11	1:41:A:LEU:HG	5	1.77
(1,2652)	1:36:A:LEU:HD12	1:41:A:LEU:HG	5	1.77
(1,2652)	1:36:A:LEU:HD13	1:41:A:LEU:HG	5	1.77
(1,2652)	1:36:A:LEU:HD21	1:41:A:LEU:HG	5	1.77
(1,2652)	1:36:A:LEU:HD22	1:41:A:LEU:HG	5	1.77
(1,2652)	1:36:A:LEU:HD23	1:41:A:LEU:HG	5	1.77
(1,1705)	1:29:A:SER:HB2	1:68:A:GLU:HG2	11	1.77
(1,2465)	1:41:A:LEU:HG	1:44:A:PHE:HE1	3	1.76
(1,2250)	1:41:B:LEU:HD11	1:78:B:VAL:HB	18	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2250)	1:41:B:LEU:HD12	1:78:B:VAL:HB	18	1.76
(1,2250)	1:41:B:LEU:HD13	1:78:B:VAL:HB	18	1.76
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG21	13	1.76
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG22	13	1.76
(1,1654)	1:9:B:GLU:HB2	1:10:B:THR:HG23	13	1.76
(1,2847)	1:36:B:LEU:HD11	1:41:B:LEU:HG	6	1.75
(1,2847)	1:36:B:LEU:HD12	1:41:B:LEU:HG	6	1.75
(1,2847)	1:36:B:LEU:HD13	1:41:B:LEU:HG	6	1.75
(1,2847)	1:36:B:LEU:HD21	1:41:B:LEU:HG	6	1.75
(1,2847)	1:36:B:LEU:HD22	1:41:B:LEU:HG	6	1.75
(1,2847)	1:36:B:LEU:HD23	1:41:B:LEU:HG	6	1.75
(1,2249)	1:41:A:LEU:HD11	1:78:A:VAL:HB	19	1.75
(1,2249)	1:41:A:LEU:HD12	1:78:A:VAL:HB	19	1.75
(1,2249)	1:41:A:LEU:HD13	1:78:A:VAL:HB	19	1.75
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD21	3	1.75
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD22	3	1.75
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD23	3	1.75
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD21	13	1.75
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD22	13	1.75
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD23	13	1.75
(1,2652)	1:36:A:LEU:HD11	1:41:A:LEU:HG	14	1.74
(1,2652)	1:36:A:LEU:HD12	1:41:A:LEU:HG	14	1.74
(1,2652)	1:36:A:LEU:HD13	1:41:A:LEU:HG	14	1.74
(1,2652)	1:36:A:LEU:HD21	1:41:A:LEU:HG	14	1.74
(1,2652)	1:36:A:LEU:HD22	1:41:A:LEU:HG	14	1.74
(1,2652)	1:36:A:LEU:HD23	1:41:A:LEU:HG	14	1.74
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG2	10	1.74
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG3	10	1.74
(1,2465)	1:41:A:LEU:HG	1:44:A:PHE:HE1	20	1.74
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE2	15	1.74
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE3	15	1.74
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG21	16	1.74
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG22	16	1.74
(1,1653)	1:9:A:GLU:HB2	1:10:A:THR:HG23	16	1.74
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD21	10	1.73
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD22	10	1.73
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD23	10	1.73
(1,2466)	1:41:B:LEU:HG	1:44:B:PHE:HE1	16	1.72
(1,2250)	1:41:B:LEU:HD11	1:78:B:VAL:HB	15	1.72
(1,2250)	1:41:B:LEU:HD12	1:78:B:VAL:HB	15	1.72
(1,2250)	1:41:B:LEU:HD13	1:78:B:VAL:HB	15	1.72
(1,2249)	1:41:A:LEU:HD11	1:78:A:VAL:HB	15	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2249)	1:41:A:LEU:HD12	1:78:A:VAL:HB	15	1.72
(1,2249)	1:41:A:LEU:HD13	1:78:A:VAL:HB	15	1.72
(1,1913)	1:41:A:LEU:HD21	1:5:B:GLU:HB3	19	1.72
(1,1913)	1:41:A:LEU:HD22	1:5:B:GLU:HB3	19	1.72
(1,1913)	1:41:A:LEU:HD23	1:5:B:GLU:HB3	19	1.72
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB1	1	1.72
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB2	1	1.72
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB3	1	1.72
(1,1913)	1:41:A:LEU:HD21	1:5:B:GLU:HB3	12	1.71
(1,1913)	1:41:A:LEU:HD22	1:5:B:GLU:HB3	12	1.71
(1,1913)	1:41:A:LEU:HD23	1:5:B:GLU:HB3	12	1.71
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB1	17	1.71
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB2	17	1.71
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB3	17	1.71
(1,2652)	1:36:A:LEU:HD11	1:41:A:LEU:HG	17	1.7
(1,2652)	1:36:A:LEU:HD12	1:41:A:LEU:HG	17	1.7
(1,2652)	1:36:A:LEU:HD13	1:41:A:LEU:HG	17	1.7
(1,2652)	1:36:A:LEU:HD21	1:41:A:LEU:HG	17	1.7
(1,2652)	1:36:A:LEU:HD22	1:41:A:LEU:HG	17	1.7
(1,2652)	1:36:A:LEU:HD23	1:41:A:LEU:HG	17	1.7
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD21	20	1.7
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD22	20	1.7
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD23	20	1.7
(1,602)	1:29:B:SER:H	1:68:B:GLU:HG3	2	1.7
(1,2847)	1:36:B:LEU:HD11	1:41:B:LEU:HG	14	1.69
(1,2847)	1:36:B:LEU:HD12	1:41:B:LEU:HG	14	1.69
(1,2847)	1:36:B:LEU:HD13	1:41:B:LEU:HG	14	1.69
(1,2847)	1:36:B:LEU:HD21	1:41:B:LEU:HG	14	1.69
(1,2847)	1:36:B:LEU:HD22	1:41:B:LEU:HG	14	1.69
(1,2847)	1:36:B:LEU:HD23	1:41:B:LEU:HG	14	1.69
(1,2652)	1:36:A:LEU:HD11	1:41:A:LEU:HG	7	1.69
(1,2652)	1:36:A:LEU:HD12	1:41:A:LEU:HG	7	1.69
(1,2652)	1:36:A:LEU:HD13	1:41:A:LEU:HG	7	1.69
(1,2652)	1:36:A:LEU:HD21	1:41:A:LEU:HG	7	1.69
(1,2652)	1:36:A:LEU:HD22	1:41:A:LEU:HG	7	1.69
(1,2652)	1:36:A:LEU:HD23	1:41:A:LEU:HG	7	1.69
(1,2250)	1:41:B:LEU:HD11	1:78:B:VAL:HB	3	1.69
(1,2250)	1:41:B:LEU:HD12	1:78:B:VAL:HB	3	1.69
(1,2250)	1:41:B:LEU:HD13	1:78:B:VAL:HB	3	1.69
(1,2249)	1:41:A:LEU:HD11	1:78:A:VAL:HB	17	1.69
(1,2249)	1:41:A:LEU:HD12	1:78:A:VAL:HB	17	1.69
(1,2249)	1:41:A:LEU:HD13	1:78:A:VAL:HB	17	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD21	7	1.69
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD22	7	1.69
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD23	7	1.69
(1,1913)	1:41:A:LEU:HD21	1:5:B:GLU:HB3	3	1.69
(1,1913)	1:41:A:LEU:HD22	1:5:B:GLU:HB3	3	1.69
(1,1913)	1:41:A:LEU:HD23	1:5:B:GLU:HB3	3	1.69
(1,1913)	1:41:A:LEU:HD21	1:5:B:GLU:HB3	14	1.69
(1,1913)	1:41:A:LEU:HD22	1:5:B:GLU:HB3	14	1.69
(1,1913)	1:41:A:LEU:HD23	1:5:B:GLU:HB3	14	1.69
(1,2465)	1:41:A:LEU:HG	1:44:A:PHE:HE1	19	1.68
(1,2249)	1:41:A:LEU:HD11	1:78:A:VAL:HB	12	1.68
(1,2249)	1:41:A:LEU:HD12	1:78:A:VAL:HB	12	1.68
(1,2249)	1:41:A:LEU:HD13	1:78:A:VAL:HB	12	1.68
(1,1705)	1:29:A:SER:HB2	1:68:A:GLU:HG2	6	1.68
(1,900)	1:29:B:SER:H	1:68:B:GLU:HG2	2	1.68
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG21	19	1.67
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG22	19	1.67
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG23	19	1.67
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG21	19	1.67
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG22	19	1.67
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG23	19	1.67
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG21	19	1.67
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG22	19	1.67
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG23	19	1.67
(1,2249)	1:41:A:LEU:HD11	1:78:A:VAL:HB	8	1.67
(1,2249)	1:41:A:LEU:HD12	1:78:A:VAL:HB	8	1.67
(1,2249)	1:41:A:LEU:HD13	1:78:A:VAL:HB	8	1.67
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD21	17	1.67
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD22	17	1.67
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD23	17	1.67
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB1	1	1.67
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB2	1	1.67
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB3	1	1.67
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG21	12	1.66
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG22	12	1.66
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG23	12	1.66
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG21	12	1.66
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG22	12	1.66
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG23	12	1.66
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG21	12	1.66
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG22	12	1.66
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG23	12	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG21	18	1.66
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG22	18	1.66
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG23	18	1.66
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG21	18	1.66
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG22	18	1.66
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG23	18	1.66
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG21	18	1.66
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG22	18	1.66
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG23	18	1.66
(1,2250)	1:41:B:LEU:HD11	1:78:B:VAL:HB	13	1.66
(1,2250)	1:41:B:LEU:HD12	1:78:B:VAL:HB	13	1.66
(1,2250)	1:41:B:LEU:HD13	1:78:B:VAL:HB	13	1.66
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD21	1	1.66
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD22	1	1.66
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD23	1	1.66
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB1	4	1.66
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB2	4	1.66
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB3	4	1.66
(1,601)	1:29:A:SER:H	1:68:A:GLU:HG3	10	1.66
(1,2652)	1:36:A:LEU:HD11	1:41:A:LEU:HG	4	1.65
(1,2652)	1:36:A:LEU:HD12	1:41:A:LEU:HG	4	1.65
(1,2652)	1:36:A:LEU:HD13	1:41:A:LEU:HG	4	1.65
(1,2652)	1:36:A:LEU:HD21	1:41:A:LEU:HG	4	1.65
(1,2652)	1:36:A:LEU:HD22	1:41:A:LEU:HG	4	1.65
(1,2652)	1:36:A:LEU:HD23	1:41:A:LEU:HG	4	1.65
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG21	2	1.65
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG22	2	1.65
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG23	2	1.65
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG21	2	1.65
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG22	2	1.65
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG23	2	1.65
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG21	2	1.65
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG22	2	1.65
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG23	2	1.65
(1,2250)	1:41:B:LEU:HD11	1:78:B:VAL:HB	9	1.65
(1,2250)	1:41:B:LEU:HD12	1:78:B:VAL:HB	9	1.65
(1,2250)	1:41:B:LEU:HD13	1:78:B:VAL:HB	9	1.65
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG21	16	1.64
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG22	16	1.64
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG23	16	1.64
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG21	16	1.64
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG22	16	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG23	16	1.64
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG21	16	1.64
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG22	16	1.64
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG23	16	1.64
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG21	17	1.64
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG22	17	1.64
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG23	17	1.64
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG21	17	1.64
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG22	17	1.64
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG23	17	1.64
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG21	17	1.64
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG22	17	1.64
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG23	17	1.64
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE1	5	1.64
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE2	5	1.64
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE3	5	1.64
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE1	5	1.64
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE2	5	1.64
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE3	5	1.64
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE1	5	1.64
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE2	5	1.64
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE3	5	1.64
(1,1740)	1:5:B:GLU:HB3	1:6:B:THR:HB	4	1.64
(1,1739)	1:5:A:GLU:HB3	1:6:A:THR:HB	4	1.64
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE2	2	1.64
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE3	2	1.64
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG2	20	1.63
(1,2616)	1:29:A:SER:H	1:68:A:GLU:HG3	20	1.63
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG21	9	1.63
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG22	9	1.63
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG23	9	1.63
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG21	9	1.63
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG22	9	1.63
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG23	9	1.63
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG21	9	1.63
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG22	9	1.63
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG23	9	1.63
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG21	13	1.63
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG22	13	1.63
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG23	13	1.63
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG21	13	1.63
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG22	13	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG23	13	1.63
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG21	13	1.63
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG22	13	1.63
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG23	13	1.63
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG21	14	1.63
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG22	14	1.63
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG23	14	1.63
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG21	14	1.63
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG22	14	1.63
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG23	14	1.63
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG21	14	1.63
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG22	14	1.63
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG23	14	1.63
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE1	4	1.63
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE2	4	1.63
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE3	4	1.63
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE1	4	1.63
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE2	4	1.63
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE3	4	1.63
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE1	4	1.63
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE2	4	1.63
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE3	4	1.63
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE1	11	1.63
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE2	11	1.63
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE3	11	1.63
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE1	11	1.63
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE2	11	1.63
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE3	11	1.63
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE1	11	1.63
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE2	11	1.63
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE3	11	1.63
(1,2250)	1:41:B:LEU:HD11	1:78:B:VAL:HB	6	1.63
(1,2250)	1:41:B:LEU:HD12	1:78:B:VAL:HB	6	1.63
(1,2250)	1:41:B:LEU:HD13	1:78:B:VAL:HB	6	1.63
(1,2250)	1:41:B:LEU:HD11	1:78:B:VAL:HB	11	1.63
(1,2250)	1:41:B:LEU:HD12	1:78:B:VAL:HB	11	1.63
(1,2250)	1:41:B:LEU:HD13	1:78:B:VAL:HB	11	1.63
(1,2250)	1:41:B:LEU:HD11	1:78:B:VAL:HB	19	1.63
(1,2250)	1:41:B:LEU:HD12	1:78:B:VAL:HB	19	1.63
(1,2250)	1:41:B:LEU:HD13	1:78:B:VAL:HB	19	1.63
(1,2249)	1:41:A:LEU:HD11	1:78:A:VAL:HB	13	1.63
(1,2249)	1:41:A:LEU:HD12	1:78:A:VAL:HB	13	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2249)	1:41:A:LEU:HD13	1:78:A:VAL:HB	13	1.63
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD21	5	1.63
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD22	5	1.63
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD23	5	1.63
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD21	19	1.63
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD22	19	1.63
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD23	19	1.63
(1,1913)	1:41:A:LEU:HD21	1:5:B:GLU:HB3	4	1.63
(1,1913)	1:41:A:LEU:HD22	1:5:B:GLU:HB3	4	1.63
(1,1913)	1:41:A:LEU:HD23	1:5:B:GLU:HB3	4	1.63
(1,2468)	1:44:A:PHE:HE1	1:8:B:MET:HB3	15	1.62
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE1	13	1.62
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE2	13	1.62
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE3	13	1.62
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE1	13	1.62
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE2	13	1.62
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE3	13	1.62
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE1	13	1.62
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE2	13	1.62
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE3	13	1.62
(1,2249)	1:41:A:LEU:HD11	1:78:A:VAL:HB	3	1.62
(1,2249)	1:41:A:LEU:HD12	1:78:A:VAL:HB	3	1.62
(1,2249)	1:41:A:LEU:HD13	1:78:A:VAL:HB	3	1.62
(1,2249)	1:41:A:LEU:HD11	1:78:A:VAL:HB	4	1.62
(1,2249)	1:41:A:LEU:HD12	1:78:A:VAL:HB	4	1.62
(1,2249)	1:41:A:LEU:HD13	1:78:A:VAL:HB	4	1.62
(1,2249)	1:41:A:LEU:HD11	1:78:A:VAL:HB	14	1.62
(1,2249)	1:41:A:LEU:HD12	1:78:A:VAL:HB	14	1.62
(1,2249)	1:41:A:LEU:HD13	1:78:A:VAL:HB	14	1.62
(1,1740)	1:5:B:GLU:HB3	1:6:B:THR:HB	14	1.62
(1,899)	1:29:A:SER:H	1:68:A:GLU:HG2	10	1.62
(1,2466)	1:41:B:LEU:HG	1:44:B:PHE:HE1	17	1.61
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG21	1	1.61
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG22	1	1.61
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG23	1	1.61
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG21	1	1.61
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG22	1	1.61
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG23	1	1.61
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG21	1	1.61
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG22	1	1.61
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG23	1	1.61
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG21	10	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG22	10	1.61
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG23	10	1.61
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG21	10	1.61
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG22	10	1.61
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG23	10	1.61
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG21	10	1.61
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG22	10	1.61
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG23	10	1.61
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE1	3	1.61
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE2	3	1.61
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE3	3	1.61
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE1	3	1.61
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE2	3	1.61
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE3	3	1.61
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE1	3	1.61
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE2	3	1.61
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE3	3	1.61
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE1	9	1.61
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE2	9	1.61
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE3	9	1.61
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE1	9	1.61
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE2	9	1.61
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE3	9	1.61
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE1	9	1.61
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE2	9	1.61
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE3	9	1.61
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE1	20	1.61
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE2	20	1.61
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE3	20	1.61
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE1	20	1.61
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE2	20	1.61
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE3	20	1.61
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE1	20	1.61
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE2	20	1.61
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE3	20	1.61
(1,2249)	1:41:A:LEU:HD11	1:78:A:VAL:HB	6	1.61
(1,2249)	1:41:A:LEU:HD12	1:78:A:VAL:HB	6	1.61
(1,2249)	1:41:A:LEU:HD13	1:78:A:VAL:HB	6	1.61
(1,1740)	1:5:B:GLU:HB3	1:6:B:THR:HB	17	1.61
(1,1705)	1:29:A:SER:HB2	1:68:A:GLU:HG2	12	1.61
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG21	4	1.6
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG22	4	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG23	4	1.6
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG21	4	1.6
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG22	4	1.6
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG23	4	1.6
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG21	4	1.6
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG22	4	1.6
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG23	4	1.6
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG21	7	1.6
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG22	7	1.6
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG23	7	1.6
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG21	7	1.6
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG22	7	1.6
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG23	7	1.6
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG21	7	1.6
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG22	7	1.6
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG23	7	1.6
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG21	8	1.6
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG22	8	1.6
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG23	8	1.6
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG21	8	1.6
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG22	8	1.6
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG23	8	1.6
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG21	8	1.6
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG22	8	1.6
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG23	8	1.6
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE1	17	1.6
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE2	17	1.6
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE3	17	1.6
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE1	17	1.6
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE2	17	1.6
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE3	17	1.6
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE1	17	1.6
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE2	17	1.6
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE3	17	1.6
(1,2249)	1:41:A:LEU:HD11	1:78:A:VAL:HB	18	1.6
(1,2249)	1:41:A:LEU:HD12	1:78:A:VAL:HB	18	1.6
(1,2249)	1:41:A:LEU:HD13	1:78:A:VAL:HB	18	1.6
(1,1740)	1:5:B:GLU:HB3	1:6:B:THR:HB	18	1.6
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG21	3	1.59
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG22	3	1.59
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG23	3	1.59
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG21	3	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG22	3	1.59
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG23	3	1.59
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG21	3	1.59
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG22	3	1.59
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG23	3	1.59
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG21	5	1.59
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG22	5	1.59
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG23	5	1.59
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG21	5	1.59
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG22	5	1.59
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG23	5	1.59
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG21	5	1.59
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG22	5	1.59
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG23	5	1.59
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG21	6	1.59
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG22	6	1.59
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG23	6	1.59
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG21	6	1.59
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG22	6	1.59
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG23	6	1.59
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG21	6	1.59
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG22	6	1.59
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG23	6	1.59
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG21	15	1.59
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG22	15	1.59
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG23	15	1.59
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG21	15	1.59
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG22	15	1.59
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG23	15	1.59
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG21	15	1.59
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG22	15	1.59
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG23	15	1.59
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE1	2	1.59
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE2	2	1.59
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE3	2	1.59
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE1	2	1.59
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE2	2	1.59
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE3	2	1.59
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE1	2	1.59
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE2	2	1.59
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE3	2	1.59
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE1	6	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE2	6	1.59
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE3	6	1.59
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE1	6	1.59
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE2	6	1.59
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE3	6	1.59
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE1	6	1.59
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE2	6	1.59
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE3	6	1.59
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE1	16	1.59
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE2	16	1.59
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE3	16	1.59
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE1	16	1.59
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE2	16	1.59
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE3	16	1.59
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE1	16	1.59
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE2	16	1.59
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE3	16	1.59
(1,2249)	1:41:A:LEU:HD11	1:78:A:VAL:HB	7	1.59
(1,2249)	1:41:A:LEU:HD12	1:78:A:VAL:HB	7	1.59
(1,2249)	1:41:A:LEU:HD13	1:78:A:VAL:HB	7	1.59
(1,1913)	1:41:A:LEU:HD21	1:5:B:GLU:HB3	17	1.59
(1,1913)	1:41:A:LEU:HD22	1:5:B:GLU:HB3	17	1.59
(1,1913)	1:41:A:LEU:HD23	1:5:B:GLU:HB3	17	1.59
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD21	14	1.59
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD22	14	1.59
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD23	14	1.59
(1,1739)	1:5:A:GLU:HB3	1:6:A:THR:HB	20	1.59
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB1	2	1.59
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB2	2	1.59
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB3	2	1.59
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG2	16	1.58
(1,2811)	1:29:B:SER:H	1:68:B:GLU:HG3	16	1.58
(1,2467)	1:8:A:MET:HB3	1:44:B:PHE:HE1	15	1.58
(1,2249)	1:41:A:LEU:HD11	1:78:A:VAL:HB	5	1.58
(1,2249)	1:41:A:LEU:HD12	1:78:A:VAL:HB	5	1.58
(1,2249)	1:41:A:LEU:HD13	1:78:A:VAL:HB	5	1.58
(1,1913)	1:41:A:LEU:HD21	1:5:B:GLU:HB3	15	1.58
(1,1913)	1:41:A:LEU:HD22	1:5:B:GLU:HB3	15	1.58
(1,1913)	1:41:A:LEU:HD23	1:5:B:GLU:HB3	15	1.58
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD21	4	1.58
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD22	4	1.58
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD23	4	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1829)	1:41:A:LEU:HD21	1:5:B:GLU:HA	10	1.58
(1,1829)	1:41:A:LEU:HD22	1:5:B:GLU:HA	10	1.58
(1,1829)	1:41:A:LEU:HD23	1:5:B:GLU:HA	10	1.58
(1,2652)	1:36:A:LEU:HD11	1:41:A:LEU:HG	2	1.57
(1,2652)	1:36:A:LEU:HD12	1:41:A:LEU:HG	2	1.57
(1,2652)	1:36:A:LEU:HD13	1:41:A:LEU:HG	2	1.57
(1,2652)	1:36:A:LEU:HD21	1:41:A:LEU:HG	2	1.57
(1,2652)	1:36:A:LEU:HD22	1:41:A:LEU:HG	2	1.57
(1,2652)	1:36:A:LEU:HD23	1:41:A:LEU:HG	2	1.57
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG21	11	1.57
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG22	11	1.57
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG23	11	1.57
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG21	11	1.57
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG22	11	1.57
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG23	11	1.57
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG21	11	1.57
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG22	11	1.57
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG23	11	1.57
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE1	1	1.57
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE2	1	1.57
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE3	1	1.57
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE1	1	1.57
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE2	1	1.57
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE3	1	1.57
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE1	1	1.57
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE2	1	1.57
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE3	1	1.57
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE1	8	1.57
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE2	8	1.57
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE3	8	1.57
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE1	8	1.57
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE2	8	1.57
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE3	8	1.57
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE1	8	1.57
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE2	8	1.57
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE3	8	1.57
(1,2250)	1:41:B:LEU:HD11	1:78:B:VAL:HB	2	1.57
(1,2250)	1:41:B:LEU:HD12	1:78:B:VAL:HB	2	1.57
(1,2250)	1:41:B:LEU:HD13	1:78:B:VAL:HB	2	1.57
(1,2249)	1:41:A:LEU:HD11	1:78:A:VAL:HB	1	1.57
(1,2249)	1:41:A:LEU:HD12	1:78:A:VAL:HB	1	1.57
(1,2249)	1:41:A:LEU:HD13	1:78:A:VAL:HB	1	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1740)	1:5:B:GLU:HB3	1:6:B:THR:HB	3	1.57
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB1	18	1.57
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB2	18	1.57
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB3	18	1.57
(1,2468)	1:44:A:PHE:HE1	1:8:B:MET:HB3	7	1.56
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE1	19	1.56
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE2	19	1.56
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE3	19	1.56
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE1	19	1.56
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE2	19	1.56
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE3	19	1.56
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE1	19	1.56
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE2	19	1.56
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE3	19	1.56
(1,2249)	1:41:A:LEU:HD11	1:78:A:VAL:HB	2	1.56
(1,2249)	1:41:A:LEU:HD12	1:78:A:VAL:HB	2	1.56
(1,2249)	1:41:A:LEU:HD13	1:78:A:VAL:HB	2	1.56
(1,2059)	1:12:A:ILE:HD11	1:13:A:ASN:HD22	6	1.56
(1,2059)	1:12:A:ILE:HD12	1:13:A:ASN:HD22	6	1.56
(1,2059)	1:12:A:ILE:HD13	1:13:A:ASN:HD22	6	1.56
(1,899)	1:29:A:SER:H	1:68:A:GLU:HG2	20	1.56
(1,2468)	1:44:A:PHE:HE1	1:8:B:MET:HB3	12	1.55
(1,2467)	1:8:A:MET:HB3	1:44:B:PHE:HE1	20	1.55
(1,2466)	1:41:B:LEU:HG	1:44:B:PHE:HE1	13	1.55
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG21	20	1.55
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG22	20	1.55
(1,2444)	1:8:A:MET:HE1	1:78:B:VAL:HG23	20	1.55
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG21	20	1.55
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG22	20	1.55
(1,2444)	1:8:A:MET:HE2	1:78:B:VAL:HG23	20	1.55
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG21	20	1.55
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG22	20	1.55
(1,2444)	1:8:A:MET:HE3	1:78:B:VAL:HG23	20	1.55
(1,2250)	1:41:B:LEU:HD11	1:78:B:VAL:HB	20	1.55
(1,2250)	1:41:B:LEU:HD12	1:78:B:VAL:HB	20	1.55
(1,2250)	1:41:B:LEU:HD13	1:78:B:VAL:HB	20	1.55
(1,2249)	1:41:A:LEU:HD11	1:78:A:VAL:HB	9	1.55
(1,2249)	1:41:A:LEU:HD12	1:78:A:VAL:HB	9	1.55
(1,2249)	1:41:A:LEU:HD13	1:78:A:VAL:HB	9	1.55
(1,2059)	1:12:A:ILE:HD11	1:13:A:ASN:HD22	18	1.55
(1,2059)	1:12:A:ILE:HD12	1:13:A:ASN:HD22	18	1.55
(1,2059)	1:12:A:ILE:HD13	1:13:A:ASN:HD22	18	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1913)	1:41:A:LEU:HD21	1:5:B:GLU:HB3	18	1.55
(1,1913)	1:41:A:LEU:HD22	1:5:B:GLU:HB3	18	1.55
(1,1913)	1:41:A:LEU:HD23	1:5:B:GLU:HB3	18	1.55
(1,1829)	1:41:A:LEU:HD21	1:5:B:GLU:HA	5	1.55
(1,1829)	1:41:A:LEU:HD22	1:5:B:GLU:HA	5	1.55
(1,1829)	1:41:A:LEU:HD23	1:5:B:GLU:HA	5	1.55
(1,1739)	1:5:A:GLU:HB3	1:6:A:THR:HB	8	1.55
(1,1739)	1:5:A:GLU:HB3	1:6:A:THR:HB	12	1.55
(1,1706)	1:29:B:SER:HB2	1:68:B:GLU:HG2	2	1.55
(1,1451)	1:41:A:LEU:HD21	1:8:B:MET:HB2	10	1.55
(1,1451)	1:41:A:LEU:HD22	1:8:B:MET:HB2	10	1.55
(1,1451)	1:41:A:LEU:HD23	1:8:B:MET:HB2	10	1.55
(1,2652)	1:36:A:LEU:HD11	1:41:A:LEU:HG	10	1.54
(1,2652)	1:36:A:LEU:HD12	1:41:A:LEU:HG	10	1.54
(1,2652)	1:36:A:LEU:HD13	1:41:A:LEU:HG	10	1.54
(1,2652)	1:36:A:LEU:HD21	1:41:A:LEU:HG	10	1.54
(1,2652)	1:36:A:LEU:HD22	1:41:A:LEU:HG	10	1.54
(1,2652)	1:36:A:LEU:HD23	1:41:A:LEU:HG	10	1.54
(1,2492)	1:44:B:PHE:HA	1:44:B:PHE:HE2	5	1.54
(1,2467)	1:8:A:MET:HB3	1:44:B:PHE:HE1	18	1.54
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE1	12	1.54
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE2	12	1.54
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE3	12	1.54
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE1	12	1.54
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE2	12	1.54
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE3	12	1.54
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE1	12	1.54
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE2	12	1.54
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE3	12	1.54
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE1	18	1.54
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE2	18	1.54
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE3	18	1.54
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE1	18	1.54
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE2	18	1.54
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE3	18	1.54
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE1	18	1.54
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE2	18	1.54
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE3	18	1.54
(1,2250)	1:41:B:LEU:HD11	1:78:B:VAL:HB	16	1.54
(1,2250)	1:41:B:LEU:HD12	1:78:B:VAL:HB	16	1.54
(1,2250)	1:41:B:LEU:HD13	1:78:B:VAL:HB	16	1.54
(1,2249)	1:41:A:LEU:HD11	1:78:A:VAL:HB	20	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2249)	1:41:A:LEU:HD12	1:78:A:VAL:HB	20	1.54
(1,2249)	1:41:A:LEU:HD13	1:78:A:VAL:HB	20	1.54
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD21	15	1.54
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD22	15	1.54
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD23	15	1.54
(1,1739)	1:5:A:GLU:HB3	1:6:A:THR:HB	10	1.54
(1,1739)	1:5:A:GLU:HB3	1:6:A:THR:HB	15	1.54
(1,1739)	1:5:A:GLU:HB3	1:6:A:THR:HB	19	1.54
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB1	16	1.54
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB2	16	1.54
(1,1729)	1:44:A:PHE:HD2	1:47:A:ALA:HB3	16	1.54
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD21	1	1.54
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD22	1	1.54
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD23	1	1.54
(1,285)	1:81:A:LEU:HD11	1:84:A:ALA:H	12	1.54
(1,285)	1:81:A:LEU:HD12	1:84:A:ALA:H	12	1.54
(1,285)	1:81:A:LEU:HD13	1:84:A:ALA:H	12	1.54
(1,285)	1:81:A:LEU:HD11	1:84:A:ALA:H	16	1.54
(1,285)	1:81:A:LEU:HD12	1:84:A:ALA:H	16	1.54
(1,285)	1:81:A:LEU:HD13	1:84:A:ALA:H	16	1.54
(1,2491)	1:44:A:PHE:HA	1:44:A:PHE:HE2	5	1.53
(1,2491)	1:44:A:PHE:HA	1:44:A:PHE:HE2	11	1.53
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE1	10	1.53
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE2	10	1.53
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE3	10	1.53
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE1	10	1.53
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE2	10	1.53
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE3	10	1.53
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE1	10	1.53
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE2	10	1.53
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE3	10	1.53
(1,1739)	1:5:A:GLU:HB3	1:6:A:THR:HB	2	1.53
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD21	4	1.53
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD22	4	1.53
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD23	4	1.53
(1,476)	1:8:B:MET:H	1:10:B:THR:HG21	12	1.53
(1,476)	1:8:B:MET:H	1:10:B:THR:HG22	12	1.53
(1,476)	1:8:B:MET:H	1:10:B:THR:HG23	12	1.53
(1,2847)	1:36:B:LEU:HD11	1:41:B:LEU:HG	9	1.52
(1,2847)	1:36:B:LEU:HD12	1:41:B:LEU:HG	9	1.52
(1,2847)	1:36:B:LEU:HD13	1:41:B:LEU:HG	9	1.52
(1,2847)	1:36:B:LEU:HD21	1:41:B:LEU:HG	9	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2847)	1:36:B:LEU:HD22	1:41:B:LEU:HG	9	1.52
(1,2847)	1:36:B:LEU:HD23	1:41:B:LEU:HG	9	1.52
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE1	7	1.52
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE2	7	1.52
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE3	7	1.52
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE1	7	1.52
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE2	7	1.52
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE3	7	1.52
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE1	7	1.52
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE2	7	1.52
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE3	7	1.52
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE1	14	1.52
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE2	14	1.52
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE3	14	1.52
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE1	14	1.52
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE2	14	1.52
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE3	14	1.52
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE1	14	1.52
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE2	14	1.52
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE3	14	1.52
(1,1740)	1:5:B:GLU:HB3	1:6:B:THR:HB	2	1.52
(1,1740)	1:5:B:GLU:HB3	1:6:B:THR:HB	6	1.52
(1,1740)	1:5:B:GLU:HB3	1:6:B:THR:HB	15	1.52
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE2	13	1.52
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE3	13	1.52
(1,900)	1:29:B:SER:H	1:68:B:GLU:HG2	16	1.52
(1,476)	1:8:B:MET:H	1:10:B:THR:HG21	19	1.52
(1,476)	1:8:B:MET:H	1:10:B:THR:HG22	19	1.52
(1,476)	1:8:B:MET:H	1:10:B:THR:HG23	19	1.52
(1,475)	1:8:A:MET:H	1:10:A:THR:HG21	10	1.52
(1,475)	1:8:A:MET:H	1:10:A:THR:HG22	10	1.52
(1,475)	1:8:A:MET:H	1:10:A:THR:HG23	10	1.52
(1,286)	1:81:B:LEU:HD11	1:84:B:ALA:H	5	1.52
(1,286)	1:81:B:LEU:HD12	1:84:B:ALA:H	5	1.52
(1,286)	1:81:B:LEU:HD13	1:84:B:ALA:H	5	1.52
(1,286)	1:81:B:LEU:HD11	1:84:B:ALA:H	19	1.52
(1,286)	1:81:B:LEU:HD12	1:84:B:ALA:H	19	1.52
(1,286)	1:81:B:LEU:HD13	1:84:B:ALA:H	19	1.52
(1,2652)	1:36:A:LEU:HD11	1:41:A:LEU:HG	6	1.51
(1,2652)	1:36:A:LEU:HD12	1:41:A:LEU:HG	6	1.51
(1,2652)	1:36:A:LEU:HD13	1:41:A:LEU:HG	6	1.51
(1,2652)	1:36:A:LEU:HD21	1:41:A:LEU:HG	6	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2652)	1:36:A:LEU:HD22	1:41:A:LEU:HG	6	1.51
(1,2652)	1:36:A:LEU:HD23	1:41:A:LEU:HG	6	1.51
(1,2491)	1:44:A:PHE:HA	1:44:A:PHE:HE2	18	1.51
(1,2466)	1:41:B:LEU:HG	1:44:B:PHE:HE1	7	1.51
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE1	15	1.51
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE2	15	1.51
(1,2443)	1:78:A:VAL:HG21	1:8:B:MET:HE3	15	1.51
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE1	15	1.51
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE2	15	1.51
(1,2443)	1:78:A:VAL:HG22	1:8:B:MET:HE3	15	1.51
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE1	15	1.51
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE2	15	1.51
(1,2443)	1:78:A:VAL:HG23	1:8:B:MET:HE3	15	1.51
(1,2250)	1:41:B:LEU:HD11	1:78:B:VAL:HB	5	1.51
(1,2250)	1:41:B:LEU:HD12	1:78:B:VAL:HB	5	1.51
(1,2250)	1:41:B:LEU:HD13	1:78:B:VAL:HB	5	1.51
(1,1740)	1:5:B:GLU:HB3	1:6:B:THR:HB	12	1.51
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE2	9	1.51
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE3	9	1.51
(1,476)	1:8:B:MET:H	1:10:B:THR:HG21	3	1.51
(1,476)	1:8:B:MET:H	1:10:B:THR:HG22	3	1.51
(1,476)	1:8:B:MET:H	1:10:B:THR:HG23	3	1.51
(1,475)	1:8:A:MET:H	1:10:A:THR:HG21	17	1.51
(1,475)	1:8:A:MET:H	1:10:A:THR:HG22	17	1.51
(1,475)	1:8:A:MET:H	1:10:A:THR:HG23	17	1.51
(1,2492)	1:44:B:PHE:HA	1:44:B:PHE:HE2	3	1.5
(1,2468)	1:44:A:PHE:HE1	1:8:B:MET:HB3	8	1.5
(1,2250)	1:41:B:LEU:HD11	1:78:B:VAL:HB	4	1.5
(1,2250)	1:41:B:LEU:HD12	1:78:B:VAL:HB	4	1.5
(1,2250)	1:41:B:LEU:HD13	1:78:B:VAL:HB	4	1.5
(1,1740)	1:5:B:GLU:HB3	1:6:B:THR:HB	13	1.5
(1,476)	1:8:B:MET:H	1:10:B:THR:HG21	5	1.5
(1,476)	1:8:B:MET:H	1:10:B:THR:HG22	5	1.5
(1,476)	1:8:B:MET:H	1:10:B:THR:HG23	5	1.5
(1,286)	1:81:B:LEU:HD11	1:84:B:ALA:H	20	1.5
(1,286)	1:81:B:LEU:HD12	1:84:B:ALA:H	20	1.5
(1,286)	1:81:B:LEU:HD13	1:84:B:ALA:H	20	1.5
(1,285)	1:81:A:LEU:HD11	1:84:A:ALA:H	10	1.5
(1,285)	1:81:A:LEU:HD12	1:84:A:ALA:H	10	1.5
(1,285)	1:81:A:LEU:HD13	1:84:A:ALA:H	10	1.5
(1,98)	1:81:B:LEU:HD11	1:83:B:VAL:H	20	1.5
(1,98)	1:81:B:LEU:HD12	1:83:B:VAL:H	20	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:81:B:LEU:HD13	1:83:B:VAL:H	20	1.5
(1,97)	1:81:A:LEU:HD11	1:83:A:VAL:H	13	1.5
(1,97)	1:81:A:LEU:HD12	1:83:A:VAL:H	13	1.5
(1,97)	1:81:A:LEU:HD13	1:83:A:VAL:H	13	1.5
(1,97)	1:81:A:LEU:HD11	1:83:A:VAL:H	14	1.5
(1,97)	1:81:A:LEU:HD12	1:83:A:VAL:H	14	1.5
(1,97)	1:81:A:LEU:HD13	1:83:A:VAL:H	14	1.5
(1,2847)	1:36:B:LEU:HD11	1:41:B:LEU:HG	4	1.49
(1,2847)	1:36:B:LEU:HD12	1:41:B:LEU:HG	4	1.49
(1,2847)	1:36:B:LEU:HD13	1:41:B:LEU:HG	4	1.49
(1,2847)	1:36:B:LEU:HD21	1:41:B:LEU:HG	4	1.49
(1,2847)	1:36:B:LEU:HD22	1:41:B:LEU:HG	4	1.49
(1,2847)	1:36:B:LEU:HD23	1:41:B:LEU:HG	4	1.49
(1,2492)	1:44:B:PHE:HA	1:44:B:PHE:HE2	6	1.49
(1,2492)	1:44:B:PHE:HA	1:44:B:PHE:HE2	8	1.49
(1,2492)	1:44:B:PHE:HA	1:44:B:PHE:HE2	13	1.49
(1,2492)	1:44:B:PHE:HA	1:44:B:PHE:HE2	18	1.49
(1,2492)	1:44:B:PHE:HA	1:44:B:PHE:HE2	20	1.49
(1,2491)	1:44:A:PHE:HA	1:44:A:PHE:HE2	14	1.49
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD21	20	1.49
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD22	20	1.49
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD23	20	1.49
(1,1740)	1:5:B:GLU:HB3	1:6:B:THR:HB	8	1.49
(1,1740)	1:5:B:GLU:HB3	1:6:B:THR:HB	10	1.49
(1,1739)	1:5:A:GLU:HB3	1:6:A:THR:HB	1	1.49
(1,1596)	1:29:B:SER:HB2	1:68:B:GLU:HG3	4	1.49
(1,476)	1:8:B:MET:H	1:10:B:THR:HG21	1	1.49
(1,476)	1:8:B:MET:H	1:10:B:THR:HG22	1	1.49
(1,476)	1:8:B:MET:H	1:10:B:THR:HG23	1	1.49
(1,476)	1:8:B:MET:H	1:10:B:THR:HG21	8	1.49
(1,476)	1:8:B:MET:H	1:10:B:THR:HG22	8	1.49
(1,476)	1:8:B:MET:H	1:10:B:THR:HG23	8	1.49
(1,476)	1:8:B:MET:H	1:10:B:THR:HG21	15	1.49
(1,476)	1:8:B:MET:H	1:10:B:THR:HG22	15	1.49
(1,476)	1:8:B:MET:H	1:10:B:THR:HG23	15	1.49
(1,475)	1:8:A:MET:H	1:10:A:THR:HG21	5	1.49
(1,475)	1:8:A:MET:H	1:10:A:THR:HG22	5	1.49
(1,475)	1:8:A:MET:H	1:10:A:THR:HG23	5	1.49
(1,475)	1:8:A:MET:H	1:10:A:THR:HG21	15	1.49
(1,475)	1:8:A:MET:H	1:10:A:THR:HG22	15	1.49
(1,475)	1:8:A:MET:H	1:10:A:THR:HG23	15	1.49
(1,285)	1:81:A:LEU:HD11	1:84:A:ALA:H	8	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,285)	1:81:A:LEU:HD12	1:84:A:ALA:H	8	1.49
(1,285)	1:81:A:LEU:HD13	1:84:A:ALA:H	8	1.49
(1,285)	1:81:A:LEU:HD11	1:84:A:ALA:H	13	1.49
(1,285)	1:81:A:LEU:HD12	1:84:A:ALA:H	13	1.49
(1,285)	1:81:A:LEU:HD13	1:84:A:ALA:H	13	1.49
(1,98)	1:81:B:LEU:HD11	1:83:B:VAL:H	9	1.49
(1,98)	1:81:B:LEU:HD12	1:83:B:VAL:H	9	1.49
(1,98)	1:81:B:LEU:HD13	1:83:B:VAL:H	9	1.49
(1,98)	1:81:B:LEU:HD11	1:83:B:VAL:H	17	1.49
(1,98)	1:81:B:LEU:HD12	1:83:B:VAL:H	17	1.49
(1,98)	1:81:B:LEU:HD13	1:83:B:VAL:H	17	1.49
(1,97)	1:81:A:LEU:HD11	1:83:A:VAL:H	10	1.49
(1,97)	1:81:A:LEU:HD12	1:83:A:VAL:H	10	1.49
(1,97)	1:81:A:LEU:HD13	1:83:A:VAL:H	10	1.49
(1,2060)	1:12:B:ILE:HD11	1:13:B:ASN:HD22	5	1.48
(1,2060)	1:12:B:ILE:HD12	1:13:B:ASN:HD22	5	1.48
(1,2060)	1:12:B:ILE:HD13	1:13:B:ASN:HD22	5	1.48
(1,2060)	1:12:B:ILE:HD11	1:13:B:ASN:HD22	19	1.48
(1,2060)	1:12:B:ILE:HD12	1:13:B:ASN:HD22	19	1.48
(1,2060)	1:12:B:ILE:HD13	1:13:B:ASN:HD22	19	1.48
(1,1829)	1:41:A:LEU:HD21	1:5:B:GLU:HA	7	1.48
(1,1829)	1:41:A:LEU:HD22	1:5:B:GLU:HA	7	1.48
(1,1829)	1:41:A:LEU:HD23	1:5:B:GLU:HA	7	1.48
(1,1740)	1:5:B:GLU:HB3	1:6:B:THR:HB	11	1.48
(1,1739)	1:5:A:GLU:HB3	1:6:A:THR:HB	18	1.48
(1,476)	1:8:B:MET:H	1:10:B:THR:HG21	10	1.48
(1,476)	1:8:B:MET:H	1:10:B:THR:HG22	10	1.48
(1,476)	1:8:B:MET:H	1:10:B:THR:HG23	10	1.48
(1,476)	1:8:B:MET:H	1:10:B:THR:HG21	14	1.48
(1,476)	1:8:B:MET:H	1:10:B:THR:HG22	14	1.48
(1,476)	1:8:B:MET:H	1:10:B:THR:HG23	14	1.48
(1,476)	1:8:B:MET:H	1:10:B:THR:HG21	16	1.48
(1,476)	1:8:B:MET:H	1:10:B:THR:HG22	16	1.48
(1,476)	1:8:B:MET:H	1:10:B:THR:HG23	16	1.48
(1,476)	1:8:B:MET:H	1:10:B:THR:HG21	20	1.48
(1,476)	1:8:B:MET:H	1:10:B:THR:HG22	20	1.48
(1,476)	1:8:B:MET:H	1:10:B:THR:HG23	20	1.48
(1,475)	1:8:A:MET:H	1:10:A:THR:HG21	7	1.48
(1,475)	1:8:A:MET:H	1:10:A:THR:HG22	7	1.48
(1,475)	1:8:A:MET:H	1:10:A:THR:HG23	7	1.48
(1,475)	1:8:A:MET:H	1:10:A:THR:HG21	11	1.48
(1,475)	1:8:A:MET:H	1:10:A:THR:HG22	11	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,475)	1:8:A:MET:H	1:10:A:THR:HG23	11	1.48
(1,475)	1:8:A:MET:H	1:10:A:THR:HG21	20	1.48
(1,475)	1:8:A:MET:H	1:10:A:THR:HG22	20	1.48
(1,475)	1:8:A:MET:H	1:10:A:THR:HG23	20	1.48
(1,285)	1:81:A:LEU:HD11	1:84:A:ALA:H	1	1.48
(1,285)	1:81:A:LEU:HD12	1:84:A:ALA:H	1	1.48
(1,285)	1:81:A:LEU:HD13	1:84:A:ALA:H	1	1.48
(1,97)	1:81:A:LEU:HD11	1:83:A:VAL:H	6	1.48
(1,97)	1:81:A:LEU:HD12	1:83:A:VAL:H	6	1.48
(1,97)	1:81:A:LEU:HD13	1:83:A:VAL:H	6	1.48
(1,97)	1:81:A:LEU:HD11	1:83:A:VAL:H	8	1.48
(1,97)	1:81:A:LEU:HD12	1:83:A:VAL:H	8	1.48
(1,97)	1:81:A:LEU:HD13	1:83:A:VAL:H	8	1.48
(1,97)	1:81:A:LEU:HD11	1:83:A:VAL:H	16	1.48
(1,97)	1:81:A:LEU:HD12	1:83:A:VAL:H	16	1.48
(1,97)	1:81:A:LEU:HD13	1:83:A:VAL:H	16	1.48
(1,2492)	1:44:B:PHE:HA	1:44:B:PHE:HE2	1	1.47
(1,2492)	1:44:B:PHE:HA	1:44:B:PHE:HE2	15	1.47
(1,2492)	1:44:B:PHE:HA	1:44:B:PHE:HE2	16	1.47
(1,2491)	1:44:A:PHE:HA	1:44:A:PHE:HE2	1	1.47
(1,2491)	1:44:A:PHE:HA	1:44:A:PHE:HE2	2	1.47
(1,2491)	1:44:A:PHE:HA	1:44:A:PHE:HE2	12	1.47
(1,2060)	1:12:B:ILE:HD11	1:13:B:ASN:HD22	17	1.47
(1,2060)	1:12:B:ILE:HD12	1:13:B:ASN:HD22	17	1.47
(1,2060)	1:12:B:ILE:HD13	1:13:B:ASN:HD22	17	1.47
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG11	10	1.47
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG12	10	1.47
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG13	10	1.47
(1,1829)	1:41:A:LEU:HD21	1:5:B:GLU:HA	1	1.47
(1,1829)	1:41:A:LEU:HD22	1:5:B:GLU:HA	1	1.47
(1,1829)	1:41:A:LEU:HD23	1:5:B:GLU:HA	1	1.47
(1,1740)	1:5:B:GLU:HB3	1:6:B:THR:HB	1	1.47
(1,1740)	1:5:B:GLU:HB3	1:6:B:THR:HB	16	1.47
(1,1522)	1:4:A:LEU:HD11	1:40:B:GLU:HA	12	1.47
(1,1522)	1:4:A:LEU:HD12	1:40:B:GLU:HA	12	1.47
(1,1522)	1:4:A:LEU:HD13	1:40:B:GLU:HA	12	1.47
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE2	7	1.47
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE3	7	1.47
(1,601)	1:29:A:SER:H	1:68:A:GLU:HG3	20	1.47
(1,476)	1:8:B:MET:H	1:10:B:THR:HG21	6	1.47
(1,476)	1:8:B:MET:H	1:10:B:THR:HG22	6	1.47
(1,476)	1:8:B:MET:H	1:10:B:THR:HG23	6	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,475)	1:8:A:MET:H	1:10:A:THR:HG21	4	1.47
(1,475)	1:8:A:MET:H	1:10:A:THR:HG22	4	1.47
(1,475)	1:8:A:MET:H	1:10:A:THR:HG23	4	1.47
(1,475)	1:8:A:MET:H	1:10:A:THR:HG21	14	1.47
(1,475)	1:8:A:MET:H	1:10:A:THR:HG22	14	1.47
(1,475)	1:8:A:MET:H	1:10:A:THR:HG23	14	1.47
(1,286)	1:81:B:LEU:HD11	1:84:B:ALA:H	3	1.47
(1,286)	1:81:B:LEU:HD12	1:84:B:ALA:H	3	1.47
(1,286)	1:81:B:LEU:HD13	1:84:B:ALA:H	3	1.47
(1,98)	1:81:B:LEU:HD11	1:83:B:VAL:H	13	1.47
(1,98)	1:81:B:LEU:HD12	1:83:B:VAL:H	13	1.47
(1,98)	1:81:B:LEU:HD13	1:83:B:VAL:H	13	1.47
(1,98)	1:81:B:LEU:HD11	1:83:B:VAL:H	19	1.47
(1,98)	1:81:B:LEU:HD12	1:83:B:VAL:H	19	1.47
(1,98)	1:81:B:LEU:HD13	1:83:B:VAL:H	19	1.47
(1,97)	1:81:A:LEU:HD11	1:83:A:VAL:H	11	1.47
(1,97)	1:81:A:LEU:HD12	1:83:A:VAL:H	11	1.47
(1,97)	1:81:A:LEU:HD13	1:83:A:VAL:H	11	1.47
(1,97)	1:81:A:LEU:HD11	1:83:A:VAL:H	12	1.47
(1,97)	1:81:A:LEU:HD12	1:83:A:VAL:H	12	1.47
(1,97)	1:81:A:LEU:HD13	1:83:A:VAL:H	12	1.47
(1,2492)	1:44:B:PHE:HA	1:44:B:PHE:HE2	17	1.46
(1,2491)	1:44:A:PHE:HA	1:44:A:PHE:HE2	7	1.46
(1,2491)	1:44:A:PHE:HA	1:44:A:PHE:HE2	8	1.46
(1,2491)	1:44:A:PHE:HA	1:44:A:PHE:HE2	10	1.46
(1,2491)	1:44:A:PHE:HA	1:44:A:PHE:HE2	16	1.46
(1,2468)	1:44:A:PHE:HE1	1:8:B:MET:HB3	14	1.46
(1,2250)	1:41:B:LEU:HD11	1:78:B:VAL:HB	17	1.46
(1,2250)	1:41:B:LEU:HD12	1:78:B:VAL:HB	17	1.46
(1,2250)	1:41:B:LEU:HD13	1:78:B:VAL:HB	17	1.46
(1,2249)	1:41:A:LEU:HD11	1:78:A:VAL:HB	10	1.46
(1,2249)	1:41:A:LEU:HD12	1:78:A:VAL:HB	10	1.46
(1,2249)	1:41:A:LEU:HD13	1:78:A:VAL:HB	10	1.46
(1,1739)	1:5:A:GLU:HB3	1:6:A:THR:HB	3	1.46
(1,476)	1:8:B:MET:H	1:10:B:THR:HG21	17	1.46
(1,476)	1:8:B:MET:H	1:10:B:THR:HG22	17	1.46
(1,476)	1:8:B:MET:H	1:10:B:THR:HG23	17	1.46
(1,475)	1:8:A:MET:H	1:10:A:THR:HG21	12	1.46
(1,475)	1:8:A:MET:H	1:10:A:THR:HG22	12	1.46
(1,475)	1:8:A:MET:H	1:10:A:THR:HG23	12	1.46
(1,475)	1:8:A:MET:H	1:10:A:THR:HG21	18	1.46
(1,475)	1:8:A:MET:H	1:10:A:THR:HG22	18	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,475)	1:8:A:MET:H	1:10:A:THR:HG23	18	1.46
(1,286)	1:81:B:LEU:HD11	1:84:B:ALA:H	1	1.46
(1,286)	1:81:B:LEU:HD12	1:84:B:ALA:H	1	1.46
(1,286)	1:81:B:LEU:HD13	1:84:B:ALA:H	1	1.46
(1,286)	1:81:B:LEU:HD11	1:84:B:ALA:H	12	1.46
(1,286)	1:81:B:LEU:HD12	1:84:B:ALA:H	12	1.46
(1,286)	1:81:B:LEU:HD13	1:84:B:ALA:H	12	1.46
(1,286)	1:81:B:LEU:HD11	1:84:B:ALA:H	13	1.46
(1,286)	1:81:B:LEU:HD12	1:84:B:ALA:H	13	1.46
(1,286)	1:81:B:LEU:HD13	1:84:B:ALA:H	13	1.46
(1,286)	1:81:B:LEU:HD11	1:84:B:ALA:H	17	1.46
(1,286)	1:81:B:LEU:HD12	1:84:B:ALA:H	17	1.46
(1,286)	1:81:B:LEU:HD13	1:84:B:ALA:H	17	1.46
(1,98)	1:81:B:LEU:HD11	1:83:B:VAL:H	1	1.46
(1,98)	1:81:B:LEU:HD12	1:83:B:VAL:H	1	1.46
(1,98)	1:81:B:LEU:HD13	1:83:B:VAL:H	1	1.46
(1,98)	1:81:B:LEU:HD11	1:83:B:VAL:H	3	1.46
(1,98)	1:81:B:LEU:HD12	1:83:B:VAL:H	3	1.46
(1,98)	1:81:B:LEU:HD13	1:83:B:VAL:H	3	1.46
(1,98)	1:81:B:LEU:HD11	1:83:B:VAL:H	8	1.46
(1,98)	1:81:B:LEU:HD12	1:83:B:VAL:H	8	1.46
(1,98)	1:81:B:LEU:HD13	1:83:B:VAL:H	8	1.46
(1,98)	1:81:B:LEU:HD11	1:83:B:VAL:H	10	1.46
(1,98)	1:81:B:LEU:HD12	1:83:B:VAL:H	10	1.46
(1,98)	1:81:B:LEU:HD13	1:83:B:VAL:H	10	1.46
(1,97)	1:81:A:LEU:HD11	1:83:A:VAL:H	1	1.46
(1,97)	1:81:A:LEU:HD12	1:83:A:VAL:H	1	1.46
(1,97)	1:81:A:LEU:HD13	1:83:A:VAL:H	1	1.46
(1,2492)	1:44:B:PHE:HA	1:44:B:PHE:HE2	7	1.45
(1,2492)	1:44:B:PHE:HA	1:44:B:PHE:HE2	12	1.45
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG11	15	1.45
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG12	15	1.45
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG13	15	1.45
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD21	2	1.45
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD22	2	1.45
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD23	2	1.45
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB1	9	1.45
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB2	9	1.45
(1,1730)	1:44:B:PHE:HD2	1:47:B:ALA:HB3	9	1.45
(1,476)	1:8:B:MET:H	1:10:B:THR:HG21	2	1.45
(1,476)	1:8:B:MET:H	1:10:B:THR:HG22	2	1.45
(1,476)	1:8:B:MET:H	1:10:B:THR:HG23	2	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,476)	1:8:B:MET:H	1:10:B:THR:HG21	13	1.45
(1,476)	1:8:B:MET:H	1:10:B:THR:HG22	13	1.45
(1,476)	1:8:B:MET:H	1:10:B:THR:HG23	13	1.45
(1,475)	1:8:A:MET:H	1:10:A:THR:HG21	1	1.45
(1,475)	1:8:A:MET:H	1:10:A:THR:HG22	1	1.45
(1,475)	1:8:A:MET:H	1:10:A:THR:HG23	1	1.45
(1,475)	1:8:A:MET:H	1:10:A:THR:HG21	2	1.45
(1,475)	1:8:A:MET:H	1:10:A:THR:HG22	2	1.45
(1,475)	1:8:A:MET:H	1:10:A:THR:HG23	2	1.45
(1,475)	1:8:A:MET:H	1:10:A:THR:HG21	3	1.45
(1,475)	1:8:A:MET:H	1:10:A:THR:HG22	3	1.45
(1,475)	1:8:A:MET:H	1:10:A:THR:HG23	3	1.45
(1,475)	1:8:A:MET:H	1:10:A:THR:HG21	6	1.45
(1,475)	1:8:A:MET:H	1:10:A:THR:HG22	6	1.45
(1,475)	1:8:A:MET:H	1:10:A:THR:HG23	6	1.45
(1,475)	1:8:A:MET:H	1:10:A:THR:HG21	8	1.45
(1,475)	1:8:A:MET:H	1:10:A:THR:HG22	8	1.45
(1,475)	1:8:A:MET:H	1:10:A:THR:HG23	8	1.45
(1,286)	1:81:B:LEU:HD11	1:84:B:ALA:H	10	1.45
(1,286)	1:81:B:LEU:HD12	1:84:B:ALA:H	10	1.45
(1,286)	1:81:B:LEU:HD13	1:84:B:ALA:H	10	1.45
(1,286)	1:81:B:LEU:HD11	1:84:B:ALA:H	18	1.45
(1,286)	1:81:B:LEU:HD12	1:84:B:ALA:H	18	1.45
(1,286)	1:81:B:LEU:HD13	1:84:B:ALA:H	18	1.45
(1,285)	1:81:A:LEU:HD11	1:84:A:ALA:H	14	1.45
(1,285)	1:81:A:LEU:HD12	1:84:A:ALA:H	14	1.45
(1,285)	1:81:A:LEU:HD13	1:84:A:ALA:H	14	1.45
(1,98)	1:81:B:LEU:HD11	1:83:B:VAL:H	2	1.45
(1,98)	1:81:B:LEU:HD12	1:83:B:VAL:H	2	1.45
(1,98)	1:81:B:LEU:HD13	1:83:B:VAL:H	2	1.45
(1,98)	1:81:B:LEU:HD11	1:83:B:VAL:H	4	1.45
(1,98)	1:81:B:LEU:HD12	1:83:B:VAL:H	4	1.45
(1,98)	1:81:B:LEU:HD13	1:83:B:VAL:H	4	1.45
(1,98)	1:81:B:LEU:HD11	1:83:B:VAL:H	14	1.45
(1,98)	1:81:B:LEU:HD12	1:83:B:VAL:H	14	1.45
(1,98)	1:81:B:LEU:HD13	1:83:B:VAL:H	14	1.45
(1,97)	1:81:A:LEU:HD11	1:83:A:VAL:H	17	1.45
(1,97)	1:81:A:LEU:HD12	1:83:A:VAL:H	17	1.45
(1,97)	1:81:A:LEU:HD13	1:83:A:VAL:H	17	1.45
(1,97)	1:81:A:LEU:HD11	1:83:A:VAL:H	19	1.45
(1,97)	1:81:A:LEU:HD12	1:83:A:VAL:H	19	1.45
(1,97)	1:81:A:LEU:HD13	1:83:A:VAL:H	19	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2491)	1:44:A:PHE:HA	1:44:A:PHE:HE2	9	1.44
(1,2125)	1:21:A:LYS:HD2	1:32:A:GLU:HB2	10	1.44
(1,2125)	1:21:A:LYS:HD3	1:32:A:GLU:HB2	10	1.44
(1,2060)	1:12:B:ILE:HD11	1:13:B:ASN:HD22	18	1.44
(1,2060)	1:12:B:ILE:HD12	1:13:B:ASN:HD22	18	1.44
(1,2060)	1:12:B:ILE:HD13	1:13:B:ASN:HD22	18	1.44
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG11	5	1.44
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG12	5	1.44
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG13	5	1.44
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG11	7	1.44
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG12	7	1.44
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG13	7	1.44
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG11	18	1.44
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG12	18	1.44
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG13	18	1.44
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD21	19	1.44
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD22	19	1.44
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD23	19	1.44
(1,1829)	1:41:A:LEU:HD21	1:5:B:GLU:HA	4	1.44
(1,1829)	1:41:A:LEU:HD22	1:5:B:GLU:HA	4	1.44
(1,1829)	1:41:A:LEU:HD23	1:5:B:GLU:HA	4	1.44
(1,1829)	1:41:A:LEU:HD21	1:5:B:GLU:HA	6	1.44
(1,1829)	1:41:A:LEU:HD22	1:5:B:GLU:HA	6	1.44
(1,1829)	1:41:A:LEU:HD23	1:5:B:GLU:HA	6	1.44
(1,1739)	1:5:A:GLU:HB3	1:6:A:THR:HB	17	1.44
(1,476)	1:8:B:MET:H	1:10:B:THR:HG21	11	1.44
(1,476)	1:8:B:MET:H	1:10:B:THR:HG22	11	1.44
(1,476)	1:8:B:MET:H	1:10:B:THR:HG23	11	1.44
(1,475)	1:8:A:MET:H	1:10:A:THR:HG21	9	1.44
(1,475)	1:8:A:MET:H	1:10:A:THR:HG22	9	1.44
(1,475)	1:8:A:MET:H	1:10:A:THR:HG23	9	1.44
(1,475)	1:8:A:MET:H	1:10:A:THR:HG21	13	1.44
(1,475)	1:8:A:MET:H	1:10:A:THR:HG22	13	1.44
(1,475)	1:8:A:MET:H	1:10:A:THR:HG23	13	1.44
(1,286)	1:81:B:LEU:HD11	1:84:B:ALA:H	14	1.44
(1,286)	1:81:B:LEU:HD12	1:84:B:ALA:H	14	1.44
(1,286)	1:81:B:LEU:HD13	1:84:B:ALA:H	14	1.44
(1,285)	1:81:A:LEU:HD11	1:84:A:ALA:H	6	1.44
(1,285)	1:81:A:LEU:HD12	1:84:A:ALA:H	6	1.44
(1,285)	1:81:A:LEU:HD13	1:84:A:ALA:H	6	1.44
(1,285)	1:81:A:LEU:HD11	1:84:A:ALA:H	11	1.44
(1,285)	1:81:A:LEU:HD12	1:84:A:ALA:H	11	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,285)	1:81:A:LEU:HD13	1:84:A:ALA:H	11	1.44
(1,285)	1:81:A:LEU:HD11	1:84:A:ALA:H	18	1.44
(1,285)	1:81:A:LEU:HD12	1:84:A:ALA:H	18	1.44
(1,285)	1:81:A:LEU:HD13	1:84:A:ALA:H	18	1.44
(1,98)	1:81:B:LEU:HD11	1:83:B:VAL:H	5	1.44
(1,98)	1:81:B:LEU:HD12	1:83:B:VAL:H	5	1.44
(1,98)	1:81:B:LEU:HD13	1:83:B:VAL:H	5	1.44
(1,98)	1:81:B:LEU:HD11	1:83:B:VAL:H	6	1.44
(1,98)	1:81:B:LEU:HD12	1:83:B:VAL:H	6	1.44
(1,98)	1:81:B:LEU:HD13	1:83:B:VAL:H	6	1.44
(1,98)	1:81:B:LEU:HD11	1:83:B:VAL:H	7	1.44
(1,98)	1:81:B:LEU:HD12	1:83:B:VAL:H	7	1.44
(1,98)	1:81:B:LEU:HD13	1:83:B:VAL:H	7	1.44
(1,98)	1:81:B:LEU:HD11	1:83:B:VAL:H	12	1.44
(1,98)	1:81:B:LEU:HD12	1:83:B:VAL:H	12	1.44
(1,98)	1:81:B:LEU:HD13	1:83:B:VAL:H	12	1.44
(1,98)	1:81:B:LEU:HD11	1:83:B:VAL:H	16	1.44
(1,98)	1:81:B:LEU:HD12	1:83:B:VAL:H	16	1.44
(1,98)	1:81:B:LEU:HD13	1:83:B:VAL:H	16	1.44
(1,98)	1:81:B:LEU:HD11	1:83:B:VAL:H	18	1.44
(1,98)	1:81:B:LEU:HD12	1:83:B:VAL:H	18	1.44
(1,98)	1:81:B:LEU:HD13	1:83:B:VAL:H	18	1.44
(1,97)	1:81:A:LEU:HD11	1:83:A:VAL:H	2	1.44
(1,97)	1:81:A:LEU:HD12	1:83:A:VAL:H	2	1.44
(1,97)	1:81:A:LEU:HD13	1:83:A:VAL:H	2	1.44
(1,97)	1:81:A:LEU:HD11	1:83:A:VAL:H	4	1.44
(1,97)	1:81:A:LEU:HD12	1:83:A:VAL:H	4	1.44
(1,97)	1:81:A:LEU:HD13	1:83:A:VAL:H	4	1.44
(1,97)	1:81:A:LEU:HD11	1:83:A:VAL:H	7	1.44
(1,97)	1:81:A:LEU:HD12	1:83:A:VAL:H	7	1.44
(1,97)	1:81:A:LEU:HD13	1:83:A:VAL:H	7	1.44
(1,2467)	1:8:A:MET:HB3	1:44:B:PHE:HE1	19	1.43
(1,2463)	1:41:A:LEU:HG	1:44:A:PHE:HD1	16	1.43
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD11	20	1.43
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD12	20	1.43
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD13	20	1.43
(1,2059)	1:12:A:ILE:HD11	1:13:A:ASN:HD22	19	1.43
(1,2059)	1:12:A:ILE:HD12	1:13:A:ASN:HD22	19	1.43
(1,2059)	1:12:A:ILE:HD13	1:13:A:ASN:HD22	19	1.43
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG11	12	1.43
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG12	12	1.43
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG13	12	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG11	19	1.43
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG12	19	1.43
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG13	19	1.43
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG11	20	1.43
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG12	20	1.43
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG13	20	1.43
(1,1740)	1:5:B:GLU:HB3	1:6:B:THR:HB	7	1.43
(1,1530)	1:81:B:LEU:HD11	1:82:B:THR:HA	16	1.43
(1,1530)	1:81:B:LEU:HD12	1:82:B:THR:HA	16	1.43
(1,1530)	1:81:B:LEU:HD13	1:82:B:THR:HA	16	1.43
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD21	14	1.43
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD22	14	1.43
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD23	14	1.43
(1,286)	1:81:B:LEU:HD11	1:84:B:ALA:H	7	1.43
(1,286)	1:81:B:LEU:HD12	1:84:B:ALA:H	7	1.43
(1,286)	1:81:B:LEU:HD13	1:84:B:ALA:H	7	1.43
(1,286)	1:81:B:LEU:HD11	1:84:B:ALA:H	8	1.43
(1,286)	1:81:B:LEU:HD12	1:84:B:ALA:H	8	1.43
(1,286)	1:81:B:LEU:HD13	1:84:B:ALA:H	8	1.43
(1,101)	1:41:A:LEU:HD21	1:43:A:GLY:H	19	1.43
(1,101)	1:41:A:LEU:HD22	1:43:A:GLY:H	19	1.43
(1,101)	1:41:A:LEU:HD23	1:43:A:GLY:H	19	1.43
(1,98)	1:81:B:LEU:HD11	1:83:B:VAL:H	15	1.43
(1,98)	1:81:B:LEU:HD12	1:83:B:VAL:H	15	1.43
(1,98)	1:81:B:LEU:HD13	1:83:B:VAL:H	15	1.43
(1,2492)	1:44:B:PHE:HA	1:44:B:PHE:HE2	9	1.42
(1,2491)	1:44:A:PHE:HA	1:44:A:PHE:HE2	3	1.42
(1,2491)	1:44:A:PHE:HA	1:44:A:PHE:HE2	15	1.42
(1,2060)	1:12:B:ILE:HD11	1:13:B:ASN:HD22	12	1.42
(1,2060)	1:12:B:ILE:HD12	1:13:B:ASN:HD22	12	1.42
(1,2060)	1:12:B:ILE:HD13	1:13:B:ASN:HD22	12	1.42
(1,2060)	1:12:B:ILE:HD11	1:13:B:ASN:HD22	15	1.42
(1,2060)	1:12:B:ILE:HD12	1:13:B:ASN:HD22	15	1.42
(1,2060)	1:12:B:ILE:HD13	1:13:B:ASN:HD22	15	1.42
(1,1829)	1:41:A:LEU:HD21	1:5:B:GLU:HA	2	1.42
(1,1829)	1:41:A:LEU:HD22	1:5:B:GLU:HA	2	1.42
(1,1829)	1:41:A:LEU:HD23	1:5:B:GLU:HA	2	1.42
(1,1829)	1:41:A:LEU:HD21	1:5:B:GLU:HA	14	1.42
(1,1829)	1:41:A:LEU:HD22	1:5:B:GLU:HA	14	1.42
(1,1829)	1:41:A:LEU:HD23	1:5:B:GLU:HA	14	1.42
(1,1739)	1:5:A:GLU:HB3	1:6:A:THR:HB	9	1.42
(1,476)	1:8:B:MET:H	1:10:B:THR:HG21	4	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,476)	1:8:B:MET:H	1:10:B:THR:HG22	4	1.42
(1,476)	1:8:B:MET:H	1:10:B:THR:HG23	4	1.42
(1,476)	1:8:B:MET:H	1:10:B:THR:HG21	7	1.42
(1,476)	1:8:B:MET:H	1:10:B:THR:HG22	7	1.42
(1,476)	1:8:B:MET:H	1:10:B:THR:HG23	7	1.42
(1,476)	1:8:B:MET:H	1:10:B:THR:HG21	9	1.42
(1,476)	1:8:B:MET:H	1:10:B:THR:HG22	9	1.42
(1,476)	1:8:B:MET:H	1:10:B:THR:HG23	9	1.42
(1,476)	1:8:B:MET:H	1:10:B:THR:HG21	18	1.42
(1,476)	1:8:B:MET:H	1:10:B:THR:HG22	18	1.42
(1,476)	1:8:B:MET:H	1:10:B:THR:HG23	18	1.42
(1,475)	1:8:A:MET:H	1:10:A:THR:HG21	16	1.42
(1,475)	1:8:A:MET:H	1:10:A:THR:HG22	16	1.42
(1,475)	1:8:A:MET:H	1:10:A:THR:HG23	16	1.42
(1,286)	1:81:B:LEU:HD11	1:84:B:ALA:H	4	1.42
(1,286)	1:81:B:LEU:HD12	1:84:B:ALA:H	4	1.42
(1,286)	1:81:B:LEU:HD13	1:84:B:ALA:H	4	1.42
(1,285)	1:81:A:LEU:HD11	1:84:A:ALA:H	3	1.42
(1,285)	1:81:A:LEU:HD12	1:84:A:ALA:H	3	1.42
(1,285)	1:81:A:LEU:HD13	1:84:A:ALA:H	3	1.42
(1,285)	1:81:A:LEU:HD11	1:84:A:ALA:H	19	1.42
(1,285)	1:81:A:LEU:HD12	1:84:A:ALA:H	19	1.42
(1,285)	1:81:A:LEU:HD13	1:84:A:ALA:H	19	1.42
(1,101)	1:41:A:LEU:HD21	1:43:A:GLY:H	13	1.42
(1,101)	1:41:A:LEU:HD22	1:43:A:GLY:H	13	1.42
(1,101)	1:41:A:LEU:HD23	1:43:A:GLY:H	13	1.42
(1,2492)	1:44:B:PHE:HA	1:44:B:PHE:HE2	11	1.41
(1,2492)	1:44:B:PHE:HA	1:44:B:PHE:HE2	19	1.41
(1,2491)	1:44:A:PHE:HA	1:44:A:PHE:HE2	20	1.41
(1,2468)	1:44:A:PHE:HE1	1:8:B:MET:HB3	18	1.41
(1,2059)	1:12:A:ILE:HD11	1:13:A:ASN:HD22	11	1.41
(1,2059)	1:12:A:ILE:HD12	1:13:A:ASN:HD22	11	1.41
(1,2059)	1:12:A:ILE:HD13	1:13:A:ASN:HD22	11	1.41
(1,2059)	1:12:A:ILE:HD11	1:13:A:ASN:HD22	13	1.41
(1,2059)	1:12:A:ILE:HD12	1:13:A:ASN:HD22	13	1.41
(1,2059)	1:12:A:ILE:HD13	1:13:A:ASN:HD22	13	1.41
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG11	5	1.41
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG12	5	1.41
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG13	5	1.41
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG11	15	1.41
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG12	15	1.41
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG13	15	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD21	3	1.41
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD22	3	1.41
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD23	3	1.41
(1,1829)	1:41:A:LEU:HD21	1:5:B:GLU:HA	3	1.41
(1,1829)	1:41:A:LEU:HD22	1:5:B:GLU:HA	3	1.41
(1,1829)	1:41:A:LEU:HD23	1:5:B:GLU:HA	3	1.41
(1,1829)	1:41:A:LEU:HD21	1:5:B:GLU:HA	17	1.41
(1,1829)	1:41:A:LEU:HD22	1:5:B:GLU:HA	17	1.41
(1,1829)	1:41:A:LEU:HD23	1:5:B:GLU:HA	17	1.41
(1,1740)	1:5:B:GLU:HB3	1:6:B:THR:HB	19	1.41
(1,602)	1:29:B:SER:H	1:68:B:GLU:HG3	16	1.41
(1,475)	1:8:A:MET:H	1:10:A:THR:HG21	19	1.41
(1,475)	1:8:A:MET:H	1:10:A:THR:HG22	19	1.41
(1,475)	1:8:A:MET:H	1:10:A:THR:HG23	19	1.41
(1,286)	1:81:B:LEU:HD11	1:84:B:ALA:H	6	1.41
(1,286)	1:81:B:LEU:HD12	1:84:B:ALA:H	6	1.41
(1,286)	1:81:B:LEU:HD13	1:84:B:ALA:H	6	1.41
(1,101)	1:41:A:LEU:HD21	1:43:A:GLY:H	17	1.41
(1,101)	1:41:A:LEU:HD22	1:43:A:GLY:H	17	1.41
(1,101)	1:41:A:LEU:HD23	1:43:A:GLY:H	17	1.41
(1,98)	1:81:B:LEU:HD11	1:83:B:VAL:H	11	1.41
(1,98)	1:81:B:LEU:HD12	1:83:B:VAL:H	11	1.41
(1,98)	1:81:B:LEU:HD13	1:83:B:VAL:H	11	1.41
(1,97)	1:81:A:LEU:HD11	1:83:A:VAL:H	9	1.41
(1,97)	1:81:A:LEU:HD12	1:83:A:VAL:H	9	1.41
(1,97)	1:81:A:LEU:HD13	1:83:A:VAL:H	9	1.41
(1,2492)	1:44:B:PHE:HA	1:44:B:PHE:HE2	2	1.4
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG11	7	1.4
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG12	7	1.4
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG13	7	1.4
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG11	10	1.4
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG12	10	1.4
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG13	10	1.4
(1,1829)	1:41:A:LEU:HD21	1:5:B:GLU:HA	8	1.4
(1,1829)	1:41:A:LEU:HD22	1:5:B:GLU:HA	8	1.4
(1,1829)	1:41:A:LEU:HD23	1:5:B:GLU:HA	8	1.4
(1,1530)	1:81:B:LEU:HD11	1:82:B:THR:HA	10	1.4
(1,1530)	1:81:B:LEU:HD12	1:82:B:THR:HA	10	1.4
(1,1530)	1:81:B:LEU:HD13	1:82:B:THR:HA	10	1.4
(1,1530)	1:81:B:LEU:HD11	1:82:B:THR:HA	14	1.4
(1,1530)	1:81:B:LEU:HD12	1:82:B:THR:HA	14	1.4
(1,1530)	1:81:B:LEU:HD13	1:82:B:THR:HA	14	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:81:B:LEU:HD11	1:82:B:THR:HA	17	1.4
(1,1530)	1:81:B:LEU:HD12	1:82:B:THR:HA	17	1.4
(1,1530)	1:81:B:LEU:HD13	1:82:B:THR:HA	17	1.4
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD21	20	1.4
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD22	20	1.4
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD23	20	1.4
(1,1451)	1:41:A:LEU:HD21	1:8:B:MET:HB2	7	1.4
(1,1451)	1:41:A:LEU:HD22	1:8:B:MET:HB2	7	1.4
(1,1451)	1:41:A:LEU:HD23	1:8:B:MET:HB2	7	1.4
(1,286)	1:81:B:LEU:HD11	1:84:B:ALA:H	9	1.4
(1,286)	1:81:B:LEU:HD12	1:84:B:ALA:H	9	1.4
(1,286)	1:81:B:LEU:HD13	1:84:B:ALA:H	9	1.4
(1,286)	1:81:B:LEU:HD11	1:84:B:ALA:H	11	1.4
(1,286)	1:81:B:LEU:HD12	1:84:B:ALA:H	11	1.4
(1,286)	1:81:B:LEU:HD13	1:84:B:ALA:H	11	1.4
(1,286)	1:81:B:LEU:HD11	1:84:B:ALA:H	15	1.4
(1,286)	1:81:B:LEU:HD12	1:84:B:ALA:H	15	1.4
(1,286)	1:81:B:LEU:HD13	1:84:B:ALA:H	15	1.4
(1,102)	1:41:B:LEU:HD21	1:43:B:GLY:H	2	1.4
(1,102)	1:41:B:LEU:HD22	1:43:B:GLY:H	2	1.4
(1,102)	1:41:B:LEU:HD23	1:43:B:GLY:H	2	1.4
(1,97)	1:81:A:LEU:HD11	1:83:A:VAL:H	3	1.4
(1,97)	1:81:A:LEU:HD12	1:83:A:VAL:H	3	1.4
(1,97)	1:81:A:LEU:HD13	1:83:A:VAL:H	3	1.4
(1,97)	1:81:A:LEU:HD11	1:83:A:VAL:H	5	1.4
(1,97)	1:81:A:LEU:HD12	1:83:A:VAL:H	5	1.4
(1,97)	1:81:A:LEU:HD13	1:83:A:VAL:H	5	1.4
(1,97)	1:81:A:LEU:HD11	1:83:A:VAL:H	18	1.4
(1,97)	1:81:A:LEU:HD12	1:83:A:VAL:H	18	1.4
(1,97)	1:81:A:LEU:HD13	1:83:A:VAL:H	18	1.4
(1,2491)	1:44:A:PHE:HA	1:44:A:PHE:HE2	4	1.39
(1,2491)	1:44:A:PHE:HA	1:44:A:PHE:HE2	19	1.39
(1,2468)	1:44:A:PHE:HE1	1:8:B:MET:HB3	1	1.39
(1,2250)	1:41:B:LEU:HD11	1:78:B:VAL:HB	14	1.39
(1,2250)	1:41:B:LEU:HD12	1:78:B:VAL:HB	14	1.39
(1,2250)	1:41:B:LEU:HD13	1:78:B:VAL:HB	14	1.39
(1,2060)	1:12:B:ILE:HD11	1:13:B:ASN:HD22	3	1.39
(1,2060)	1:12:B:ILE:HD12	1:13:B:ASN:HD22	3	1.39
(1,2060)	1:12:B:ILE:HD13	1:13:B:ASN:HD22	3	1.39
(1,2060)	1:12:B:ILE:HD11	1:13:B:ASN:HD22	9	1.39
(1,2060)	1:12:B:ILE:HD12	1:13:B:ASN:HD22	9	1.39
(1,2060)	1:12:B:ILE:HD13	1:13:B:ASN:HD22	9	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG11	2	1.39
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG12	2	1.39
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG13	2	1.39
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG11	4	1.39
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG12	4	1.39
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG13	4	1.39
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG11	9	1.39
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG12	9	1.39
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG13	9	1.39
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG11	16	1.39
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG12	16	1.39
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG13	16	1.39
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD21	10	1.39
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD22	10	1.39
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD23	10	1.39
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD21	11	1.39
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD22	11	1.39
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD23	11	1.39
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD21	16	1.39
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD22	16	1.39
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD23	16	1.39
(1,1829)	1:41:A:LEU:HD21	1:5:B:GLU:HA	12	1.39
(1,1829)	1:41:A:LEU:HD22	1:5:B:GLU:HA	12	1.39
(1,1829)	1:41:A:LEU:HD23	1:5:B:GLU:HA	12	1.39
(1,1829)	1:41:A:LEU:HD21	1:5:B:GLU:HA	20	1.39
(1,1829)	1:41:A:LEU:HD22	1:5:B:GLU:HA	20	1.39
(1,1829)	1:41:A:LEU:HD23	1:5:B:GLU:HA	20	1.39
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE2	7	1.39
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE3	7	1.39
(1,102)	1:41:B:LEU:HD21	1:43:B:GLY:H	9	1.39
(1,102)	1:41:B:LEU:HD22	1:43:B:GLY:H	9	1.39
(1,102)	1:41:B:LEU:HD23	1:43:B:GLY:H	9	1.39
(1,101)	1:41:A:LEU:HD21	1:43:A:GLY:H	6	1.39
(1,101)	1:41:A:LEU:HD22	1:43:A:GLY:H	6	1.39
(1,101)	1:41:A:LEU:HD23	1:43:A:GLY:H	6	1.39
(1,101)	1:41:A:LEU:HD21	1:43:A:GLY:H	20	1.39
(1,101)	1:41:A:LEU:HD22	1:43:A:GLY:H	20	1.39
(1,101)	1:41:A:LEU:HD23	1:43:A:GLY:H	20	1.39
(1,97)	1:81:A:LEU:HD11	1:83:A:VAL:H	20	1.39
(1,97)	1:81:A:LEU:HD12	1:83:A:VAL:H	20	1.39
(1,97)	1:81:A:LEU:HD13	1:83:A:VAL:H	20	1.39
(1,2492)	1:44:B:PHE:HA	1:44:B:PHE:HE2	14	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2467)	1:8:A:MET:HB3	1:44:B:PHE:HE1	11	1.38
(1,2466)	1:41:B:LEU:HG	1:44:B:PHE:HE1	10	1.38
(1,2381)	1:4:A:LEU:HD21	1:7:A:ALA:HB1	12	1.38
(1,2381)	1:4:A:LEU:HD21	1:7:A:ALA:HB2	12	1.38
(1,2381)	1:4:A:LEU:HD21	1:7:A:ALA:HB3	12	1.38
(1,2381)	1:4:A:LEU:HD22	1:7:A:ALA:HB1	12	1.38
(1,2381)	1:4:A:LEU:HD22	1:7:A:ALA:HB2	12	1.38
(1,2381)	1:4:A:LEU:HD22	1:7:A:ALA:HB3	12	1.38
(1,2381)	1:4:A:LEU:HD23	1:7:A:ALA:HB1	12	1.38
(1,2381)	1:4:A:LEU:HD23	1:7:A:ALA:HB2	12	1.38
(1,2381)	1:4:A:LEU:HD23	1:7:A:ALA:HB3	12	1.38
(1,2250)	1:41:B:LEU:HD11	1:78:B:VAL:HB	1	1.38
(1,2250)	1:41:B:LEU:HD12	1:78:B:VAL:HB	1	1.38
(1,2250)	1:41:B:LEU:HD13	1:78:B:VAL:HB	1	1.38
(1,1981)	1:45:A:LEU:HB2	1:46:A:ASP:HB3	5	1.38
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG11	17	1.38
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG12	17	1.38
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG13	17	1.38
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD21	18	1.38
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD22	18	1.38
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD23	18	1.38
(1,1739)	1:5:A:GLU:HB3	1:6:A:THR:HB	11	1.38
(1,1739)	1:5:A:GLU:HB3	1:6:A:THR:HB	16	1.38
(1,1529)	1:81:A:LEU:HD11	1:82:A:THR:HA	5	1.38
(1,1529)	1:81:A:LEU:HD12	1:82:A:THR:HA	5	1.38
(1,1529)	1:81:A:LEU:HD13	1:82:A:THR:HA	5	1.38
(1,750)	1:60:B:GLU:HG3	1:64:B:ASN:HD22	9	1.38
(1,285)	1:81:A:LEU:HD11	1:84:A:ALA:H	4	1.38
(1,285)	1:81:A:LEU:HD12	1:84:A:ALA:H	4	1.38
(1,285)	1:81:A:LEU:HD13	1:84:A:ALA:H	4	1.38
(1,285)	1:81:A:LEU:HD11	1:84:A:ALA:H	5	1.38
(1,285)	1:81:A:LEU:HD12	1:84:A:ALA:H	5	1.38
(1,285)	1:81:A:LEU:HD13	1:84:A:ALA:H	5	1.38
(1,285)	1:81:A:LEU:HD11	1:84:A:ALA:H	7	1.38
(1,285)	1:81:A:LEU:HD12	1:84:A:ALA:H	7	1.38
(1,285)	1:81:A:LEU:HD13	1:84:A:ALA:H	7	1.38
(1,102)	1:41:B:LEU:HD21	1:43:B:GLY:H	11	1.38
(1,102)	1:41:B:LEU:HD22	1:43:B:GLY:H	11	1.38
(1,102)	1:41:B:LEU:HD23	1:43:B:GLY:H	11	1.38
(1,101)	1:41:A:LEU:HD21	1:43:A:GLY:H	3	1.38
(1,101)	1:41:A:LEU:HD22	1:43:A:GLY:H	3	1.38
(1,101)	1:41:A:LEU:HD23	1:43:A:GLY:H	3	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,97)	1:81:A:LEU:HD11	1:83:A:VAL:H	15	1.38
(1,97)	1:81:A:LEU:HD12	1:83:A:VAL:H	15	1.38
(1,97)	1:81:A:LEU:HD13	1:83:A:VAL:H	15	1.38
(1,2468)	1:44:A:PHE:HE1	1:8:B:MET:HB3	16	1.37
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD11	3	1.37
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD12	3	1.37
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD13	3	1.37
(1,2059)	1:12:A:ILE:HD11	1:13:A:ASN:HD22	14	1.37
(1,2059)	1:12:A:ILE:HD12	1:13:A:ASN:HD22	14	1.37
(1,2059)	1:12:A:ILE:HD13	1:13:A:ASN:HD22	14	1.37
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG11	19	1.37
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG12	19	1.37
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG13	19	1.37
(1,1829)	1:41:A:LEU:HD21	1:5:B:GLU:HA	13	1.37
(1,1829)	1:41:A:LEU:HD22	1:5:B:GLU:HA	13	1.37
(1,1829)	1:41:A:LEU:HD23	1:5:B:GLU:HA	13	1.37
(1,1530)	1:81:B:LEU:HD11	1:82:B:THR:HA	4	1.37
(1,1530)	1:81:B:LEU:HD12	1:82:B:THR:HA	4	1.37
(1,1530)	1:81:B:LEU:HD13	1:82:B:THR:HA	4	1.37
(1,1529)	1:81:A:LEU:HD11	1:82:A:THR:HA	7	1.37
(1,1529)	1:81:A:LEU:HD12	1:82:A:THR:HA	7	1.37
(1,1529)	1:81:A:LEU:HD13	1:82:A:THR:HA	7	1.37
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE2	20	1.37
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE3	20	1.37
(1,749)	1:60:A:GLU:HG3	1:64:A:ASN:HD22	15	1.37
(1,285)	1:81:A:LEU:HD11	1:84:A:ALA:H	2	1.37
(1,285)	1:81:A:LEU:HD12	1:84:A:ALA:H	2	1.37
(1,285)	1:81:A:LEU:HD13	1:84:A:ALA:H	2	1.37
(1,285)	1:81:A:LEU:HD11	1:84:A:ALA:H	17	1.37
(1,285)	1:81:A:LEU:HD12	1:84:A:ALA:H	17	1.37
(1,285)	1:81:A:LEU:HD13	1:84:A:ALA:H	17	1.37
(1,102)	1:41:B:LEU:HD21	1:43:B:GLY:H	19	1.37
(1,102)	1:41:B:LEU:HD22	1:43:B:GLY:H	19	1.37
(1,102)	1:41:B:LEU:HD23	1:43:B:GLY:H	19	1.37
(1,2467)	1:8:A:MET:HB3	1:44:B:PHE:HE1	3	1.36
(1,2250)	1:41:B:LEU:HD11	1:78:B:VAL:HB	10	1.36
(1,2250)	1:41:B:LEU:HD12	1:78:B:VAL:HB	10	1.36
(1,2250)	1:41:B:LEU:HD13	1:78:B:VAL:HB	10	1.36
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG11	17	1.36
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG12	17	1.36
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG13	17	1.36
(1,1739)	1:5:A:GLU:HB3	1:6:A:THR:HB	5	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:81:B:LEU:HD11	1:82:B:THR:HA	2	1.36
(1,1530)	1:81:B:LEU:HD12	1:82:B:THR:HA	2	1.36
(1,1530)	1:81:B:LEU:HD13	1:82:B:THR:HA	2	1.36
(1,1451)	1:41:A:LEU:HD21	1:8:B:MET:HB2	5	1.36
(1,1451)	1:41:A:LEU:HD22	1:8:B:MET:HB2	5	1.36
(1,1451)	1:41:A:LEU:HD23	1:8:B:MET:HB2	5	1.36
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD11	20	1.36
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD12	20	1.36
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD13	20	1.36
(1,286)	1:81:B:LEU:HD11	1:84:B:ALA:H	16	1.36
(1,286)	1:81:B:LEU:HD12	1:84:B:ALA:H	16	1.36
(1,286)	1:81:B:LEU:HD13	1:84:B:ALA:H	16	1.36
(1,285)	1:81:A:LEU:HD11	1:84:A:ALA:H	20	1.36
(1,285)	1:81:A:LEU:HD12	1:84:A:ALA:H	20	1.36
(1,285)	1:81:A:LEU:HD13	1:84:A:ALA:H	20	1.36
(1,102)	1:41:B:LEU:HD21	1:43:B:GLY:H	14	1.36
(1,102)	1:41:B:LEU:HD22	1:43:B:GLY:H	14	1.36
(1,102)	1:41:B:LEU:HD23	1:43:B:GLY:H	14	1.36
(1,102)	1:41:B:LEU:HD21	1:43:B:GLY:H	16	1.36
(1,102)	1:41:B:LEU:HD22	1:43:B:GLY:H	16	1.36
(1,102)	1:41:B:LEU:HD23	1:43:B:GLY:H	16	1.36
(1,101)	1:41:A:LEU:HD21	1:43:A:GLY:H	15	1.36
(1,101)	1:41:A:LEU:HD22	1:43:A:GLY:H	15	1.36
(1,101)	1:41:A:LEU:HD23	1:43:A:GLY:H	15	1.36
(1,2492)	1:44:B:PHE:HA	1:44:B:PHE:HE2	10	1.35
(1,2491)	1:44:A:PHE:HA	1:44:A:PHE:HE2	17	1.35
(1,2467)	1:8:A:MET:HB3	1:44:B:PHE:HE1	1	1.35
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG11	1	1.35
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG12	1	1.35
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG13	1	1.35
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG11	20	1.35
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG12	20	1.35
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG13	20	1.35
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG11	1	1.35
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG12	1	1.35
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG13	1	1.35
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG11	8	1.35
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG12	8	1.35
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG13	8	1.35
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD21	17	1.35
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD22	17	1.35
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD23	17	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:81:A:LEU:HD11	1:82:A:THR:HA	4	1.35
(1,1529)	1:81:A:LEU:HD12	1:82:A:THR:HA	4	1.35
(1,1529)	1:81:A:LEU:HD13	1:82:A:THR:HA	4	1.35
(1,1529)	1:81:A:LEU:HD11	1:82:A:THR:HA	17	1.35
(1,1529)	1:81:A:LEU:HD12	1:82:A:THR:HA	17	1.35
(1,1529)	1:81:A:LEU:HD13	1:82:A:THR:HA	17	1.35
(1,1451)	1:41:A:LEU:HD21	1:8:B:MET:HB2	4	1.35
(1,1451)	1:41:A:LEU:HD22	1:8:B:MET:HB2	4	1.35
(1,1451)	1:41:A:LEU:HD23	1:8:B:MET:HB2	4	1.35
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE2	9	1.35
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE3	9	1.35
(1,286)	1:81:B:LEU:HD11	1:84:B:ALA:H	2	1.35
(1,286)	1:81:B:LEU:HD12	1:84:B:ALA:H	2	1.35
(1,286)	1:81:B:LEU:HD13	1:84:B:ALA:H	2	1.35
(1,101)	1:41:A:LEU:HD21	1:43:A:GLY:H	2	1.35
(1,101)	1:41:A:LEU:HD22	1:43:A:GLY:H	2	1.35
(1,101)	1:41:A:LEU:HD23	1:43:A:GLY:H	2	1.35
(1,101)	1:41:A:LEU:HD21	1:43:A:GLY:H	9	1.35
(1,101)	1:41:A:LEU:HD22	1:43:A:GLY:H	9	1.35
(1,101)	1:41:A:LEU:HD23	1:43:A:GLY:H	9	1.35
(1,2492)	1:44:B:PHE:HA	1:44:B:PHE:HE2	4	1.34
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD11	1	1.34
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD12	1	1.34
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD13	1	1.34
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG21	19	1.34
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG22	19	1.34
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG23	19	1.34
(1,2059)	1:12:A:ILE:HD11	1:13:A:ASN:HD22	10	1.34
(1,2059)	1:12:A:ILE:HD12	1:13:A:ASN:HD22	10	1.34
(1,2059)	1:12:A:ILE:HD13	1:13:A:ASN:HD22	10	1.34
(1,1984)	1:41:B:LEU:HD21	1:44:B:PHE:HD1	8	1.34
(1,1984)	1:41:B:LEU:HD22	1:44:B:PHE:HD1	8	1.34
(1,1984)	1:41:B:LEU:HD23	1:44:B:PHE:HD1	8	1.34
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG11	3	1.34
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG12	3	1.34
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG13	3	1.34
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG11	16	1.34
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG12	16	1.34
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG13	16	1.34
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG11	12	1.34
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG12	12	1.34
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG13	12	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD21	15	1.34
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD22	15	1.34
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD23	15	1.34
(1,1530)	1:81:B:LEU:HD11	1:82:B:THR:HA	1	1.34
(1,1530)	1:81:B:LEU:HD12	1:82:B:THR:HA	1	1.34
(1,1530)	1:81:B:LEU:HD13	1:82:B:THR:HA	1	1.34
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD21	19	1.34
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD22	19	1.34
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD23	19	1.34
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD11	15	1.34
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD12	15	1.34
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD13	15	1.34
(1,102)	1:41:B:LEU:HD21	1:43:B:GLY:H	6	1.34
(1,102)	1:41:B:LEU:HD22	1:43:B:GLY:H	6	1.34
(1,102)	1:41:B:LEU:HD23	1:43:B:GLY:H	6	1.34
(1,102)	1:41:B:LEU:HD21	1:43:B:GLY:H	10	1.34
(1,102)	1:41:B:LEU:HD22	1:43:B:GLY:H	10	1.34
(1,102)	1:41:B:LEU:HD23	1:43:B:GLY:H	10	1.34
(1,102)	1:41:B:LEU:HD21	1:43:B:GLY:H	17	1.34
(1,102)	1:41:B:LEU:HD22	1:43:B:GLY:H	17	1.34
(1,102)	1:41:B:LEU:HD23	1:43:B:GLY:H	17	1.34
(1,102)	1:41:B:LEU:HD21	1:43:B:GLY:H	20	1.34
(1,102)	1:41:B:LEU:HD22	1:43:B:GLY:H	20	1.34
(1,102)	1:41:B:LEU:HD23	1:43:B:GLY:H	20	1.34
(1,101)	1:41:A:LEU:HD21	1:43:A:GLY:H	10	1.34
(1,101)	1:41:A:LEU:HD22	1:43:A:GLY:H	10	1.34
(1,101)	1:41:A:LEU:HD23	1:43:A:GLY:H	10	1.34
(1,101)	1:41:A:LEU:HD21	1:43:A:GLY:H	14	1.34
(1,101)	1:41:A:LEU:HD22	1:43:A:GLY:H	14	1.34
(1,101)	1:41:A:LEU:HD23	1:43:A:GLY:H	14	1.34
(1,2468)	1:44:A:PHE:HE1	1:8:B:MET:HB3	17	1.33
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD11	10	1.33
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD12	10	1.33
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD13	10	1.33
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD11	17	1.33
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD12	17	1.33
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD13	17	1.33
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG21	5	1.33
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG22	5	1.33
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG23	5	1.33
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG21	11	1.33
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG22	11	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG23	11	1.33
(1,2060)	1:12:B:ILE:HD11	1:13:B:ASN:HD22	6	1.33
(1,2060)	1:12:B:ILE:HD12	1:13:B:ASN:HD22	6	1.33
(1,2060)	1:12:B:ILE:HD13	1:13:B:ASN:HD22	6	1.33
(1,1981)	1:45:A:LEU:HB2	1:46:A:ASP:HB3	6	1.33
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG11	11	1.33
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG12	11	1.33
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG13	11	1.33
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG11	18	1.33
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG12	18	1.33
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG13	18	1.33
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG11	13	1.33
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG12	13	1.33
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG13	13	1.33
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG11	14	1.33
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG12	14	1.33
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG13	14	1.33
(1,1829)	1:41:A:LEU:HD21	1:5:B:GLU:HA	9	1.33
(1,1829)	1:41:A:LEU:HD22	1:5:B:GLU:HA	9	1.33
(1,1829)	1:41:A:LEU:HD23	1:5:B:GLU:HA	9	1.33
(1,1829)	1:41:A:LEU:HD21	1:5:B:GLU:HA	15	1.33
(1,1829)	1:41:A:LEU:HD22	1:5:B:GLU:HA	15	1.33
(1,1829)	1:41:A:LEU:HD23	1:5:B:GLU:HA	15	1.33
(1,1740)	1:5:B:GLU:HB3	1:6:B:THR:HB	5	1.33
(1,1530)	1:81:B:LEU:HD11	1:82:B:THR:HA	12	1.33
(1,1530)	1:81:B:LEU:HD12	1:82:B:THR:HA	12	1.33
(1,1530)	1:81:B:LEU:HD13	1:82:B:THR:HA	12	1.33
(1,1530)	1:81:B:LEU:HD11	1:82:B:THR:HA	19	1.33
(1,1530)	1:81:B:LEU:HD12	1:82:B:THR:HA	19	1.33
(1,1530)	1:81:B:LEU:HD13	1:82:B:THR:HA	19	1.33
(1,1529)	1:81:A:LEU:HD11	1:82:A:THR:HA	3	1.33
(1,1529)	1:81:A:LEU:HD12	1:82:A:THR:HA	3	1.33
(1,1529)	1:81:A:LEU:HD13	1:82:A:THR:HA	3	1.33
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD21	2	1.33
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD22	2	1.33
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD23	2	1.33
(1,227)	1:76:A:VAL:HA	1:72:B:GLN:HE22	8	1.33
(1,101)	1:41:A:LEU:HD21	1:43:A:GLY:H	1	1.33
(1,101)	1:41:A:LEU:HD22	1:43:A:GLY:H	1	1.33
(1,101)	1:41:A:LEU:HD23	1:43:A:GLY:H	1	1.33
(1,101)	1:41:A:LEU:HD21	1:43:A:GLY:H	4	1.33
(1,101)	1:41:A:LEU:HD22	1:43:A:GLY:H	4	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:41:A:LEU:HD23	1:43:A:GLY:H	4	1.33
(1,101)	1:41:A:LEU:HD21	1:43:A:GLY:H	5	1.33
(1,101)	1:41:A:LEU:HD22	1:43:A:GLY:H	5	1.33
(1,101)	1:41:A:LEU:HD23	1:43:A:GLY:H	5	1.33
(1,101)	1:41:A:LEU:HD21	1:43:A:GLY:H	7	1.33
(1,101)	1:41:A:LEU:HD22	1:43:A:GLY:H	7	1.33
(1,101)	1:41:A:LEU:HD23	1:43:A:GLY:H	7	1.33
(1,101)	1:41:A:LEU:HD21	1:43:A:GLY:H	8	1.33
(1,101)	1:41:A:LEU:HD22	1:43:A:GLY:H	8	1.33
(1,101)	1:41:A:LEU:HD23	1:43:A:GLY:H	8	1.33
(1,101)	1:41:A:LEU:HD21	1:43:A:GLY:H	12	1.33
(1,101)	1:41:A:LEU:HD22	1:43:A:GLY:H	12	1.33
(1,101)	1:41:A:LEU:HD23	1:43:A:GLY:H	12	1.33
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG21	8	1.32
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG22	8	1.32
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG23	8	1.32
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG21	12	1.32
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG22	12	1.32
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG23	12	1.32
(1,2250)	1:41:B:LEU:HD11	1:78:B:VAL:HB	8	1.32
(1,2250)	1:41:B:LEU:HD12	1:78:B:VAL:HB	8	1.32
(1,2250)	1:41:B:LEU:HD13	1:78:B:VAL:HB	8	1.32
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE2	20	1.32
(1,2200)	1:22:B:GLU:HB2	1:31:B:LYS:HE3	20	1.32
(1,2060)	1:12:B:ILE:HD11	1:13:B:ASN:HD22	11	1.32
(1,2060)	1:12:B:ILE:HD12	1:13:B:ASN:HD22	11	1.32
(1,2060)	1:12:B:ILE:HD13	1:13:B:ASN:HD22	11	1.32
(1,2059)	1:12:A:ILE:HD11	1:13:A:ASN:HD22	8	1.32
(1,2059)	1:12:A:ILE:HD12	1:13:A:ASN:HD22	8	1.32
(1,2059)	1:12:A:ILE:HD13	1:13:A:ASN:HD22	8	1.32
(1,2059)	1:12:A:ILE:HD11	1:13:A:ASN:HD22	15	1.32
(1,2059)	1:12:A:ILE:HD12	1:13:A:ASN:HD22	15	1.32
(1,2059)	1:12:A:ILE:HD13	1:13:A:ASN:HD22	15	1.32
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG11	9	1.32
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG12	9	1.32
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG13	9	1.32
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG11	3	1.32
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG12	3	1.32
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG13	3	1.32
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD21	9	1.32
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD22	9	1.32
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD23	9	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1829)	1:41:A:LEU:HD21	1:5:B:GLU:HA	18	1.32
(1,1829)	1:41:A:LEU:HD22	1:5:B:GLU:HA	18	1.32
(1,1829)	1:41:A:LEU:HD23	1:5:B:GLU:HA	18	1.32
(1,1739)	1:5:A:GLU:HB3	1:6:A:THR:HB	13	1.32
(1,1530)	1:81:B:LEU:HD11	1:82:B:THR:HA	3	1.32
(1,1530)	1:81:B:LEU:HD12	1:82:B:THR:HA	3	1.32
(1,1530)	1:81:B:LEU:HD13	1:82:B:THR:HA	3	1.32
(1,1530)	1:81:B:LEU:HD11	1:82:B:THR:HA	6	1.32
(1,1530)	1:81:B:LEU:HD12	1:82:B:THR:HA	6	1.32
(1,1530)	1:81:B:LEU:HD13	1:82:B:THR:HA	6	1.32
(1,1530)	1:81:B:LEU:HD11	1:82:B:THR:HA	18	1.32
(1,1530)	1:81:B:LEU:HD12	1:82:B:THR:HA	18	1.32
(1,1530)	1:81:B:LEU:HD13	1:82:B:THR:HA	18	1.32
(1,1451)	1:41:A:LEU:HD21	1:8:B:MET:HB2	6	1.32
(1,1451)	1:41:A:LEU:HD22	1:8:B:MET:HB2	6	1.32
(1,1451)	1:41:A:LEU:HD23	1:8:B:MET:HB2	6	1.32
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD11	9	1.32
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD12	9	1.32
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD13	9	1.32
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG11	20	1.32
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG12	20	1.32
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG13	20	1.32
(1,102)	1:41:B:LEU:HD21	1:43:B:GLY:H	3	1.32
(1,102)	1:41:B:LEU:HD22	1:43:B:GLY:H	3	1.32
(1,102)	1:41:B:LEU:HD23	1:43:B:GLY:H	3	1.32
(1,102)	1:41:B:LEU:HD21	1:43:B:GLY:H	18	1.32
(1,102)	1:41:B:LEU:HD22	1:43:B:GLY:H	18	1.32
(1,102)	1:41:B:LEU:HD23	1:43:B:GLY:H	18	1.32
(1,2467)	1:8:A:MET:HB3	1:44:B:PHE:HE1	17	1.31
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD11	15	1.31
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD12	15	1.31
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD13	15	1.31
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD11	20	1.31
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD12	20	1.31
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD13	20	1.31
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG21	6	1.31
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG22	6	1.31
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG23	6	1.31
(1,2059)	1:12:A:ILE:HD11	1:13:A:ASN:HD22	1	1.31
(1,2059)	1:12:A:ILE:HD12	1:13:A:ASN:HD22	1	1.31
(1,2059)	1:12:A:ILE:HD13	1:13:A:ASN:HD22	1	1.31
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG11	4	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG12	4	1.31
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG13	4	1.31
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG11	6	1.31
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG12	6	1.31
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG13	6	1.31
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG11	8	1.31
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG12	8	1.31
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG13	8	1.31
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG11	13	1.31
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG12	13	1.31
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG13	13	1.31
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG11	6	1.31
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG12	6	1.31
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG13	6	1.31
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG11	11	1.31
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG12	11	1.31
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG13	11	1.31
(1,1739)	1:5:A:GLU:HB3	1:6:A:THR:HB	7	1.31
(1,1530)	1:81:B:LEU:HD11	1:82:B:THR:HA	9	1.31
(1,1530)	1:81:B:LEU:HD12	1:82:B:THR:HA	9	1.31
(1,1530)	1:81:B:LEU:HD13	1:82:B:THR:HA	9	1.31
(1,1530)	1:81:B:LEU:HD11	1:82:B:THR:HA	13	1.31
(1,1530)	1:81:B:LEU:HD12	1:82:B:THR:HA	13	1.31
(1,1530)	1:81:B:LEU:HD13	1:82:B:THR:HA	13	1.31
(1,1529)	1:81:A:LEU:HD11	1:82:A:THR:HA	9	1.31
(1,1529)	1:81:A:LEU:HD12	1:82:A:THR:HA	9	1.31
(1,1529)	1:81:A:LEU:HD13	1:82:A:THR:HA	9	1.31
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD21	10	1.31
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD22	10	1.31
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD23	10	1.31
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD21	17	1.31
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD22	17	1.31
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD23	17	1.31
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE2	18	1.31
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE3	18	1.31
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE2	15	1.31
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE3	15	1.31
(1,750)	1:60:B:GLU:HG3	1:64:B:ASN:HD22	15	1.31
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG11	10	1.31
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG12	10	1.31
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG13	10	1.31
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG11	15	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG12	15	1.31
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG13	15	1.31
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG11	17	1.31
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG12	17	1.31
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG13	17	1.31
(1,102)	1:41:B:LEU:HD21	1:43:B:GLY:H	1	1.31
(1,102)	1:41:B:LEU:HD22	1:43:B:GLY:H	1	1.31
(1,102)	1:41:B:LEU:HD23	1:43:B:GLY:H	1	1.31
(1,102)	1:41:B:LEU:HD21	1:43:B:GLY:H	7	1.31
(1,102)	1:41:B:LEU:HD22	1:43:B:GLY:H	7	1.31
(1,102)	1:41:B:LEU:HD23	1:43:B:GLY:H	7	1.31
(1,2467)	1:8:A:MET:HB3	1:44:B:PHE:HE1	4	1.3
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD11	4	1.3
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD12	4	1.3
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD13	4	1.3
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD11	7	1.3
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD12	7	1.3
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD13	7	1.3
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD11	9	1.3
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD12	9	1.3
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD13	9	1.3
(1,2060)	1:12:B:ILE:HD11	1:13:B:ASN:HD22	4	1.3
(1,2060)	1:12:B:ILE:HD12	1:13:B:ASN:HD22	4	1.3
(1,2060)	1:12:B:ILE:HD13	1:13:B:ASN:HD22	4	1.3
(1,2060)	1:12:B:ILE:HD11	1:13:B:ASN:HD22	13	1.3
(1,2060)	1:12:B:ILE:HD12	1:13:B:ASN:HD22	13	1.3
(1,2060)	1:12:B:ILE:HD13	1:13:B:ASN:HD22	13	1.3
(1,2059)	1:12:A:ILE:HD11	1:13:A:ASN:HD22	2	1.3
(1,2059)	1:12:A:ILE:HD12	1:13:A:ASN:HD22	2	1.3
(1,2059)	1:12:A:ILE:HD13	1:13:A:ASN:HD22	2	1.3
(1,2059)	1:12:A:ILE:HD11	1:13:A:ASN:HD22	12	1.3
(1,2059)	1:12:A:ILE:HD12	1:13:A:ASN:HD22	12	1.3
(1,2059)	1:12:A:ILE:HD13	1:13:A:ASN:HD22	12	1.3
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG11	14	1.3
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG12	14	1.3
(1,1836)	1:74:B:TYR:HD1	1:78:B:VAL:HG13	14	1.3
(1,1637)	1:24:A:ASP:HB2	1:27:A:LYS:HB3	3	1.3
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG11	17	1.3
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG12	17	1.3
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG13	17	1.3
(1,1530)	1:81:B:LEU:HD11	1:82:B:THR:HA	5	1.3
(1,1530)	1:81:B:LEU:HD12	1:82:B:THR:HA	5	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:81:B:LEU:HD13	1:82:B:THR:HA	5	1.3
(1,1529)	1:81:A:LEU:HD11	1:82:A:THR:HA	2	1.3
(1,1529)	1:81:A:LEU:HD12	1:82:A:THR:HA	2	1.3
(1,1529)	1:81:A:LEU:HD13	1:82:A:THR:HA	2	1.3
(1,1529)	1:81:A:LEU:HD11	1:82:A:THR:HA	10	1.3
(1,1529)	1:81:A:LEU:HD12	1:82:A:THR:HA	10	1.3
(1,1529)	1:81:A:LEU:HD13	1:82:A:THR:HA	10	1.3
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG11	3	1.3
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG12	3	1.3
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG13	3	1.3
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG11	5	1.3
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG12	5	1.3
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG13	5	1.3
(1,101)	1:41:A:LEU:HD21	1:43:A:GLY:H	18	1.3
(1,101)	1:41:A:LEU:HD22	1:43:A:GLY:H	18	1.3
(1,101)	1:41:A:LEU:HD23	1:43:A:GLY:H	18	1.3
(1,2468)	1:44:A:PHE:HE1	1:8:B:MET:HB3	2	1.29
(1,2468)	1:44:A:PHE:HE1	1:8:B:MET:HB3	6	1.29
(1,2467)	1:8:A:MET:HB3	1:44:B:PHE:HE1	2	1.29
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD11	9	1.29
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD12	9	1.29
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD13	9	1.29
(1,2249)	1:41:A:LEU:HD11	1:78:A:VAL:HB	11	1.29
(1,2249)	1:41:A:LEU:HD12	1:78:A:VAL:HB	11	1.29
(1,2249)	1:41:A:LEU:HD13	1:78:A:VAL:HB	11	1.29
(1,2060)	1:12:B:ILE:HD11	1:13:B:ASN:HD22	8	1.29
(1,2060)	1:12:B:ILE:HD12	1:13:B:ASN:HD22	8	1.29
(1,2060)	1:12:B:ILE:HD13	1:13:B:ASN:HD22	8	1.29
(1,2060)	1:12:B:ILE:HD11	1:13:B:ASN:HD22	14	1.29
(1,2060)	1:12:B:ILE:HD12	1:13:B:ASN:HD22	14	1.29
(1,2060)	1:12:B:ILE:HD13	1:13:B:ASN:HD22	14	1.29
(1,2059)	1:12:A:ILE:HD11	1:13:A:ASN:HD22	16	1.29
(1,2059)	1:12:A:ILE:HD12	1:13:A:ASN:HD22	16	1.29
(1,2059)	1:12:A:ILE:HD13	1:13:A:ASN:HD22	16	1.29
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG11	16	1.29
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG12	16	1.29
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG13	16	1.29
(1,1529)	1:81:A:LEU:HD11	1:82:A:THR:HA	13	1.29
(1,1529)	1:81:A:LEU:HD12	1:82:A:THR:HA	13	1.29
(1,1529)	1:81:A:LEU:HD13	1:82:A:THR:HA	13	1.29
(1,1529)	1:81:A:LEU:HD11	1:82:A:THR:HA	20	1.29
(1,1529)	1:81:A:LEU:HD12	1:82:A:THR:HA	20	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:81:A:LEU:HD13	1:82:A:THR:HA	20	1.29
(1,1451)	1:41:A:LEU:HD21	1:8:B:MET:HB2	2	1.29
(1,1451)	1:41:A:LEU:HD22	1:8:B:MET:HB2	2	1.29
(1,1451)	1:41:A:LEU:HD23	1:8:B:MET:HB2	2	1.29
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG11	7	1.29
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG12	7	1.29
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG13	7	1.29
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG11	7	1.29
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG12	7	1.29
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG13	7	1.29
(1,228)	1:72:A:GLN:HE22	1:76:B:VAL:HA	18	1.29
(1,227)	1:76:A:VAL:HA	1:72:B:GLN:HE22	16	1.29
(1,102)	1:41:B:LEU:HD21	1:43:B:GLY:H	15	1.29
(1,102)	1:41:B:LEU:HD22	1:43:B:GLY:H	15	1.29
(1,102)	1:41:B:LEU:HD23	1:43:B:GLY:H	15	1.29
(1,2468)	1:44:A:PHE:HE1	1:8:B:MET:HB3	3	1.28
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD11	14	1.28
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD12	14	1.28
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD13	14	1.28
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG21	5	1.28
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG22	5	1.28
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG23	5	1.28
(1,2059)	1:12:A:ILE:HD11	1:13:A:ASN:HD22	4	1.28
(1,2059)	1:12:A:ILE:HD12	1:13:A:ASN:HD22	4	1.28
(1,2059)	1:12:A:ILE:HD13	1:13:A:ASN:HD22	4	1.28
(1,1982)	1:45:B:LEU:HB2	1:46:B:ASP:HB3	4	1.28
(1,1982)	1:45:B:LEU:HB2	1:46:B:ASP:HB3	9	1.28
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG11	7	1.28
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG12	7	1.28
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG13	7	1.28
(1,1530)	1:81:B:LEU:HD11	1:82:B:THR:HA	7	1.28
(1,1530)	1:81:B:LEU:HD12	1:82:B:THR:HA	7	1.28
(1,1530)	1:81:B:LEU:HD13	1:82:B:THR:HA	7	1.28
(1,1530)	1:81:B:LEU:HD11	1:82:B:THR:HA	8	1.28
(1,1530)	1:81:B:LEU:HD12	1:82:B:THR:HA	8	1.28
(1,1530)	1:81:B:LEU:HD13	1:82:B:THR:HA	8	1.28
(1,1529)	1:81:A:LEU:HD11	1:82:A:THR:HA	1	1.28
(1,1529)	1:81:A:LEU:HD12	1:82:A:THR:HA	1	1.28
(1,1529)	1:81:A:LEU:HD13	1:82:A:THR:HA	1	1.28
(1,1451)	1:41:A:LEU:HD21	1:8:B:MET:HB2	1	1.28
(1,1451)	1:41:A:LEU:HD22	1:8:B:MET:HB2	1	1.28
(1,1451)	1:41:A:LEU:HD23	1:8:B:MET:HB2	1	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD11	7	1.28
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD12	7	1.28
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD13	7	1.28
(1,750)	1:60:B:GLU:HG3	1:64:B:ASN:HD22	19	1.28
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG11	5	1.28
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG12	5	1.28
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG13	5	1.28
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG11	11	1.28
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG12	11	1.28
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG13	11	1.28
(1,228)	1:72:A:GLN:HE22	1:76:B:VAL:HA	6	1.28
(1,228)	1:72:A:GLN:HE22	1:76:B:VAL:HA	14	1.28
(1,102)	1:41:B:LEU:HD21	1:43:B:GLY:H	13	1.28
(1,102)	1:41:B:LEU:HD22	1:43:B:GLY:H	13	1.28
(1,102)	1:41:B:LEU:HD23	1:43:B:GLY:H	13	1.28
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD11	13	1.27
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD12	13	1.27
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD13	13	1.27
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD11	16	1.27
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD12	16	1.27
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD13	16	1.27
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG21	12	1.27
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG22	12	1.27
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG23	12	1.27
(1,2059)	1:12:A:ILE:HD11	1:13:A:ASN:HD22	3	1.27
(1,2059)	1:12:A:ILE:HD12	1:13:A:ASN:HD22	3	1.27
(1,2059)	1:12:A:ILE:HD13	1:13:A:ASN:HD22	3	1.27
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD21	5	1.27
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD22	5	1.27
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD23	5	1.27
(1,1740)	1:5:B:GLU:HB3	1:6:B:THR:HB	20	1.27
(1,1739)	1:5:A:GLU:HB3	1:6:A:THR:HB	14	1.27
(1,1596)	1:29:B:SER:HB2	1:68:B:GLU:HG3	1	1.27
(1,1530)	1:81:B:LEU:HD11	1:82:B:THR:HA	11	1.27
(1,1530)	1:81:B:LEU:HD12	1:82:B:THR:HA	11	1.27
(1,1530)	1:81:B:LEU:HD13	1:82:B:THR:HA	11	1.27
(1,1530)	1:81:B:LEU:HD11	1:82:B:THR:HA	15	1.27
(1,1530)	1:81:B:LEU:HD12	1:82:B:THR:HA	15	1.27
(1,1530)	1:81:B:LEU:HD13	1:82:B:THR:HA	15	1.27
(1,1529)	1:81:A:LEU:HD11	1:82:A:THR:HA	11	1.27
(1,1529)	1:81:A:LEU:HD12	1:82:A:THR:HA	11	1.27
(1,1529)	1:81:A:LEU:HD13	1:82:A:THR:HA	11	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:81:A:LEU:HD11	1:82:A:THR:HA	14	1.27
(1,1529)	1:81:A:LEU:HD12	1:82:A:THR:HA	14	1.27
(1,1529)	1:81:A:LEU:HD13	1:82:A:THR:HA	14	1.27
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD21	9	1.27
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD22	9	1.27
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD23	9	1.27
(1,1451)	1:41:A:LEU:HD21	1:8:B:MET:HB2	17	1.27
(1,1451)	1:41:A:LEU:HD22	1:8:B:MET:HB2	17	1.27
(1,1451)	1:41:A:LEU:HD23	1:8:B:MET:HB2	17	1.27
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG11	14	1.27
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG12	14	1.27
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG13	14	1.27
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG11	19	1.27
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG12	19	1.27
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG13	19	1.27
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG21	19	1.27
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG22	19	1.27
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG23	19	1.27
(1,285)	1:81:A:LEU:HD11	1:84:A:ALA:H	15	1.27
(1,285)	1:81:A:LEU:HD12	1:84:A:ALA:H	15	1.27
(1,285)	1:81:A:LEU:HD13	1:84:A:ALA:H	15	1.27
(1,2491)	1:44:A:PHE:HA	1:44:A:PHE:HE2	13	1.26
(1,2468)	1:44:A:PHE:HE1	1:8:B:MET:HB3	10	1.26
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD11	4	1.26
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD12	4	1.26
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD13	4	1.26
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD11	6	1.26
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD12	6	1.26
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD13	6	1.26
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG21	20	1.26
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG22	20	1.26
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG23	20	1.26
(1,2060)	1:12:B:ILE:HD11	1:13:B:ASN:HD22	20	1.26
(1,2060)	1:12:B:ILE:HD12	1:13:B:ASN:HD22	20	1.26
(1,2060)	1:12:B:ILE:HD13	1:13:B:ASN:HD22	20	1.26
(1,2059)	1:12:A:ILE:HD11	1:13:A:ASN:HD22	9	1.26
(1,2059)	1:12:A:ILE:HD12	1:13:A:ASN:HD22	9	1.26
(1,2059)	1:12:A:ILE:HD13	1:13:A:ASN:HD22	9	1.26
(1,1529)	1:81:A:LEU:HD11	1:82:A:THR:HA	12	1.26
(1,1529)	1:81:A:LEU:HD12	1:82:A:THR:HA	12	1.26
(1,1529)	1:81:A:LEU:HD13	1:82:A:THR:HA	12	1.26
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD11	5	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD12	5	1.26
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD13	5	1.26
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD11	17	1.26
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD12	17	1.26
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD13	17	1.26
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG11	12	1.26
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG12	12	1.26
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG13	12	1.26
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG11	4	1.26
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG12	4	1.26
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG13	4	1.26
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG11	9	1.26
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG12	9	1.26
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG13	9	1.26
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG21	3	1.26
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG22	3	1.26
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG23	3	1.26
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG21	4	1.26
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG22	4	1.26
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG23	4	1.26
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG21	8	1.26
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG22	8	1.26
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG23	8	1.26
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG21	14	1.26
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG22	14	1.26
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG23	14	1.26
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG21	20	1.26
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG22	20	1.26
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG23	20	1.26
(1,228)	1:72:A:GLN:HE22	1:76:B:VAL:HA	8	1.26
(1,102)	1:41:B:LEU:HD21	1:43:B:GLY:H	4	1.26
(1,102)	1:41:B:LEU:HD22	1:43:B:GLY:H	4	1.26
(1,102)	1:41:B:LEU:HD23	1:43:B:GLY:H	4	1.26
(1,2491)	1:44:A:PHE:HA	1:44:A:PHE:HE2	6	1.25
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG21	1	1.25
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG22	1	1.25
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG23	1	1.25
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG21	13	1.25
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG22	13	1.25
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG23	13	1.25
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG21	15	1.25
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG22	15	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG23	15	1.25
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG21	17	1.25
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG22	17	1.25
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG23	17	1.25
(1,1984)	1:41:B:LEU:HD21	1:44:B:PHE:HD1	12	1.25
(1,1984)	1:41:B:LEU:HD22	1:44:B:PHE:HD1	12	1.25
(1,1984)	1:41:B:LEU:HD23	1:44:B:PHE:HD1	12	1.25
(1,1983)	1:41:A:LEU:HD21	1:44:A:PHE:HD1	11	1.25
(1,1983)	1:41:A:LEU:HD22	1:44:A:PHE:HD1	11	1.25
(1,1983)	1:41:A:LEU:HD23	1:44:A:PHE:HD1	11	1.25
(1,1981)	1:45:A:LEU:HB2	1:46:A:ASP:HB3	4	1.25
(1,1981)	1:45:A:LEU:HB2	1:46:A:ASP:HB3	12	1.25
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG11	2	1.25
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG12	2	1.25
(1,1835)	1:74:A:TYR:HD1	1:78:A:VAL:HG13	2	1.25
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD21	6	1.25
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD22	6	1.25
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD23	6	1.25
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG11	20	1.25
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG12	20	1.25
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG13	20	1.25
(1,1530)	1:81:B:LEU:HD11	1:82:B:THR:HA	20	1.25
(1,1530)	1:81:B:LEU:HD12	1:82:B:THR:HA	20	1.25
(1,1530)	1:81:B:LEU:HD13	1:82:B:THR:HA	20	1.25
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD21	16	1.25
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD22	16	1.25
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD23	16	1.25
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD11	19	1.25
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD12	19	1.25
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD13	19	1.25
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG11	4	1.25
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG12	4	1.25
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG13	4	1.25
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG11	6	1.25
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG12	6	1.25
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG13	6	1.25
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG11	15	1.25
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG12	15	1.25
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG13	15	1.25
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG11	12	1.25
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG12	12	1.25
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG13	12	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG11	13	1.25
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG12	13	1.25
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG13	13	1.25
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG11	16	1.25
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG12	16	1.25
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG13	16	1.25
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG21	13	1.25
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG22	13	1.25
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG23	13	1.25
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG21	15	1.25
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG22	15	1.25
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG23	15	1.25
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG21	7	1.25
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG22	7	1.25
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG23	7	1.25
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG21	15	1.25
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG22	15	1.25
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG23	15	1.25
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG21	17	1.25
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG22	17	1.25
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG23	17	1.25
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG21	18	1.25
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG22	18	1.25
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG23	18	1.25
(1,285)	1:81:A:LEU:HD11	1:84:A:ALA:H	9	1.25
(1,285)	1:81:A:LEU:HD12	1:84:A:ALA:H	9	1.25
(1,285)	1:81:A:LEU:HD13	1:84:A:ALA:H	9	1.25
(1,228)	1:72:A:GLN:HE22	1:76:B:VAL:HA	1	1.25
(1,227)	1:76:A:VAL:HA	1:72:B:GLN:HE22	12	1.25
(1,2467)	1:8:A:MET:HB3	1:44:B:PHE:HE1	6	1.24
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD11	5	1.24
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD12	5	1.24
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD13	5	1.24
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD11	7	1.24
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD12	7	1.24
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD13	7	1.24
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD11	19	1.24
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD12	19	1.24
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD13	19	1.24
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG21	12	1.24
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG22	12	1.24
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG23	12	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG21	12	1.24
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG22	12	1.24
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG23	12	1.24
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG21	12	1.24
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG22	12	1.24
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG23	12	1.24
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE2	20	1.24
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE3	20	1.24
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE2	7	1.24
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE3	7	1.24
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE2	9	1.24
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE3	9	1.24
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG21	9	1.24
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG22	9	1.24
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG23	9	1.24
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG21	20	1.24
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG22	20	1.24
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG23	20	1.24
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG21	10	1.24
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG22	10	1.24
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG23	10	1.24
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG21	17	1.24
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG22	17	1.24
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG23	17	1.24
(1,2059)	1:12:A:ILE:HD11	1:13:A:ASN:HD22	5	1.24
(1,2059)	1:12:A:ILE:HD12	1:13:A:ASN:HD22	5	1.24
(1,2059)	1:12:A:ILE:HD13	1:13:A:ASN:HD22	5	1.24
(1,1740)	1:5:B:GLU:HB3	1:6:B:THR:HB	9	1.24
(1,1638)	1:24:B:ASP:HB2	1:27:B:LYS:HB3	7	1.24
(1,1637)	1:24:A:ASP:HB2	1:27:A:LYS:HB3	8	1.24
(1,1529)	1:81:A:LEU:HD11	1:82:A:THR:HA	19	1.24
(1,1529)	1:81:A:LEU:HD12	1:82:A:THR:HA	19	1.24
(1,1529)	1:81:A:LEU:HD13	1:82:A:THR:HA	19	1.24
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG11	1	1.24
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG12	1	1.24
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG13	1	1.24
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG11	10	1.24
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG12	10	1.24
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG13	10	1.24
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG11	1	1.24
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG12	1	1.24
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG13	1	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG11	6	1.24
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG12	6	1.24
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG13	6	1.24
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG11	8	1.24
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG12	8	1.24
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG13	8	1.24
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG21	1	1.24
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG22	1	1.24
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG23	1	1.24
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG21	5	1.24
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG22	5	1.24
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG23	5	1.24
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG21	6	1.24
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG22	6	1.24
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG23	6	1.24
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG21	11	1.24
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG22	11	1.24
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG23	11	1.24
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG21	16	1.24
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG22	16	1.24
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG23	16	1.24
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG21	17	1.24
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG22	17	1.24
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG23	17	1.24
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG21	3	1.24
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG22	3	1.24
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG23	3	1.24
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG21	4	1.24
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG22	4	1.24
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG23	4	1.24
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG21	10	1.24
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG22	10	1.24
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG23	10	1.24
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG21	11	1.24
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG22	11	1.24
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG23	11	1.24
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG21	12	1.24
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG22	12	1.24
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG23	12	1.24
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG21	14	1.24
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG22	14	1.24
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG23	14	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE2	11	1.23
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE3	11	1.23
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE2	13	1.23
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE3	13	1.23
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE2	6	1.23
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE3	6	1.23
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE2	19	1.23
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE3	19	1.23
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG21	3	1.23
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG22	3	1.23
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG23	3	1.23
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG21	19	1.23
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG22	19	1.23
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG23	19	1.23
(1,1739)	1:5:A:GLU:HB3	1:6:A:THR:HB	6	1.23
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG11	4	1.23
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG12	4	1.23
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG13	4	1.23
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD21	15	1.23
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD22	15	1.23
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD23	15	1.23
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD21	18	1.23
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD22	18	1.23
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD23	18	1.23
(1,1451)	1:41:A:LEU:HD21	1:8:B:MET:HB2	14	1.23
(1,1451)	1:41:A:LEU:HD22	1:8:B:MET:HB2	14	1.23
(1,1451)	1:41:A:LEU:HD23	1:8:B:MET:HB2	14	1.23
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE2	8	1.23
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE3	8	1.23
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD11	10	1.23
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD12	10	1.23
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD13	10	1.23
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG11	9	1.23
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG12	9	1.23
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG13	9	1.23
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG11	18	1.23
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG12	18	1.23
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG13	18	1.23
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG21	2	1.23
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG22	2	1.23
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG23	2	1.23
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG21	7	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG22	7	1.23
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG23	7	1.23
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG21	10	1.23
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG22	10	1.23
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG23	10	1.23
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG21	1	1.23
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG22	1	1.23
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG23	1	1.23
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG21	2	1.23
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG22	2	1.23
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG23	2	1.23
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG21	8	1.23
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG22	8	1.23
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG23	8	1.23
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG21	20	1.23
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG22	20	1.23
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG23	20	1.23
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD11	11	1.22
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD12	11	1.22
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD13	11	1.22
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE2	1	1.22
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE3	1	1.22
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE2	6	1.22
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE3	6	1.22
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE2	14	1.22
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE3	14	1.22
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE2	18	1.22
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE3	18	1.22
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE2	13	1.22
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE3	13	1.22
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE2	14	1.22
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE3	14	1.22
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE2	18	1.22
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE3	18	1.22
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG21	10	1.22
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG22	10	1.22
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG23	10	1.22
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG21	2	1.22
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG22	2	1.22
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG23	2	1.22
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG21	7	1.22
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG22	7	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG23	7	1.22
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG21	14	1.22
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG22	14	1.22
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG23	14	1.22
(1,1829)	1:41:A:LEU:HD21	1:5:B:GLU:HA	19	1.22
(1,1829)	1:41:A:LEU:HD22	1:5:B:GLU:HA	19	1.22
(1,1829)	1:41:A:LEU:HD23	1:5:B:GLU:HA	19	1.22
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG11	2	1.22
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG12	2	1.22
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG13	2	1.22
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG11	18	1.22
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG12	18	1.22
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG13	18	1.22
(1,1529)	1:81:A:LEU:HD11	1:82:A:THR:HA	8	1.22
(1,1529)	1:81:A:LEU:HD12	1:82:A:THR:HA	8	1.22
(1,1529)	1:81:A:LEU:HD13	1:82:A:THR:HA	8	1.22
(1,1529)	1:81:A:LEU:HD11	1:82:A:THR:HA	16	1.22
(1,1529)	1:81:A:LEU:HD12	1:82:A:THR:HA	16	1.22
(1,1529)	1:81:A:LEU:HD13	1:82:A:THR:HA	16	1.22
(1,1529)	1:81:A:LEU:HD11	1:82:A:THR:HA	18	1.22
(1,1529)	1:81:A:LEU:HD12	1:82:A:THR:HA	18	1.22
(1,1529)	1:81:A:LEU:HD13	1:82:A:THR:HA	18	1.22
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD21	3	1.22
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD22	3	1.22
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD23	3	1.22
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE2	17	1.22
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE3	17	1.22
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG11	13	1.22
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG12	13	1.22
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG13	13	1.22
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG11	19	1.22
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG12	19	1.22
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG13	19	1.22
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG11	20	1.22
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG12	20	1.22
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG13	20	1.22
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG21	12	1.22
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG22	12	1.22
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG23	12	1.22
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG21	5	1.22
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG22	5	1.22
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG23	5	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG21	6	1.22
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG22	6	1.22
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG23	6	1.22
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG21	9	1.22
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG22	9	1.22
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG23	9	1.22
(1,227)	1:76:A:VAL:HA	1:72:B:GLN:HE22	1	1.22
(1,2466)	1:41:B:LEU:HG	1:44:B:PHE:HE1	5	1.21
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD11	2	1.21
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD12	2	1.21
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD13	2	1.21
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD11	13	1.21
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD12	13	1.21
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD13	13	1.21
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG21	8	1.21
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG22	8	1.21
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG23	8	1.21
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG21	8	1.21
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG22	8	1.21
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG23	8	1.21
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG21	8	1.21
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG22	8	1.21
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG23	8	1.21
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG21	7	1.21
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG22	7	1.21
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG23	7	1.21
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG21	8	1.21
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG22	8	1.21
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG23	8	1.21
(1,1982)	1:45:B:LEU:HB2	1:46:B:ASP:HB3	15	1.21
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG11	16	1.21
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG12	16	1.21
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG13	16	1.21
(1,1529)	1:81:A:LEU:HD11	1:82:A:THR:HA	6	1.21
(1,1529)	1:81:A:LEU:HD12	1:82:A:THR:HA	6	1.21
(1,1529)	1:81:A:LEU:HD13	1:82:A:THR:HA	6	1.21
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD11	4	1.21
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD12	4	1.21
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD13	4	1.21
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD11	7	1.21
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD12	7	1.21
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD13	7	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD11	9	1.21
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD12	9	1.21
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD13	9	1.21
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD11	13	1.21
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD12	13	1.21
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD13	13	1.21
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG11	2	1.21
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG12	2	1.21
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG13	2	1.21
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG11	16	1.21
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG12	16	1.21
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG13	16	1.21
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG11	2	1.21
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG12	2	1.21
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG13	2	1.21
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG21	13	1.21
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG22	13	1.21
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG23	13	1.21
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG21	16	1.21
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG22	16	1.21
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG23	16	1.21
(1,227)	1:76:A:VAL:HA	1:72:B:GLN:HE22	10	1.21
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD11	3	1.2
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD12	3	1.2
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD13	3	1.2
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG21	11	1.2
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG22	11	1.2
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG23	11	1.2
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG21	11	1.2
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG22	11	1.2
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG23	11	1.2
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG21	11	1.2
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG22	11	1.2
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG23	11	1.2
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE2	10	1.2
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE3	10	1.2
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG21	13	1.2
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG22	13	1.2
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG23	13	1.2
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG21	15	1.2
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG22	15	1.2
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG23	15	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB1	12	1.2
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB2	12	1.2
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB3	12	1.2
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB1	12	1.2
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB2	12	1.2
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB3	12	1.2
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB1	12	1.2
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB2	12	1.2
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB3	12	1.2
(1,2060)	1:12:B:ILE:HD11	1:13:B:ASN:HD22	2	1.2
(1,2060)	1:12:B:ILE:HD12	1:13:B:ASN:HD22	2	1.2
(1,2060)	1:12:B:ILE:HD13	1:13:B:ASN:HD22	2	1.2
(1,2059)	1:12:A:ILE:HD11	1:13:A:ASN:HD22	7	1.2
(1,2059)	1:12:A:ILE:HD12	1:13:A:ASN:HD22	7	1.2
(1,2059)	1:12:A:ILE:HD13	1:13:A:ASN:HD22	7	1.2
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD21	1	1.2
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD22	1	1.2
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD23	1	1.2
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG11	6	1.2
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG12	6	1.2
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG13	6	1.2
(1,1451)	1:41:A:LEU:HD21	1:8:B:MET:HB2	12	1.2
(1,1451)	1:41:A:LEU:HD22	1:8:B:MET:HB2	12	1.2
(1,1451)	1:41:A:LEU:HD23	1:8:B:MET:HB2	12	1.2
(1,1451)	1:41:A:LEU:HD21	1:8:B:MET:HB2	13	1.2
(1,1451)	1:41:A:LEU:HD22	1:8:B:MET:HB2	13	1.2
(1,1451)	1:41:A:LEU:HD23	1:8:B:MET:HB2	13	1.2
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD11	5	1.2
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD12	5	1.2
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD13	5	1.2
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG11	17	1.2
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG12	17	1.2
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG13	17	1.2
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG11	3	1.2
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG12	3	1.2
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG13	3	1.2
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG21	18	1.2
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG22	18	1.2
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG23	18	1.2
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG21	19	1.2
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG22	19	1.2
(1,353)	1:9:A:GLU:H	1:10:A:THR:HG23	19	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:72:A:GLN:HE22	1:76:B:VAL:HA	5	1.2
(1,227)	1:76:A:VAL:HA	1:72:B:GLN:HE22	18	1.2
(1,2468)	1:44:A:PHE:HE1	1:8:B:MET:HB3	5	1.19
(1,2468)	1:44:A:PHE:HE1	1:8:B:MET:HB3	19	1.19
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD11	5	1.19
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD12	5	1.19
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD13	5	1.19
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD11	17	1.19
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD12	17	1.19
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD13	17	1.19
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG21	1	1.19
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG22	1	1.19
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG23	1	1.19
(1,2250)	1:41:B:LEU:HD11	1:78:B:VAL:HB	12	1.19
(1,2250)	1:41:B:LEU:HD12	1:78:B:VAL:HB	12	1.19
(1,2250)	1:41:B:LEU:HD13	1:78:B:VAL:HB	12	1.19
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD21	13	1.19
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD22	13	1.19
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD23	13	1.19
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG11	9	1.19
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG12	9	1.19
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG13	9	1.19
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG11	14	1.19
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG12	14	1.19
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG13	14	1.19
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG11	3	1.19
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG12	3	1.19
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG13	3	1.19
(1,1451)	1:41:A:LEU:HD21	1:8:B:MET:HB2	8	1.19
(1,1451)	1:41:A:LEU:HD22	1:8:B:MET:HB2	8	1.19
(1,1451)	1:41:A:LEU:HD23	1:8:B:MET:HB2	8	1.19
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD11	3	1.19
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD12	3	1.19
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD13	3	1.19
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD11	20	1.19
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD12	20	1.19
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD13	20	1.19
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD11	16	1.19
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD12	16	1.19
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD13	16	1.19
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG11	14	1.19
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG12	14	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG13	14	1.19
(1,228)	1:72:A:GLN:HE22	1:76:B:VAL:HA	13	1.19
(1,227)	1:76:A:VAL:HA	1:72:B:GLN:HE22	6	1.19
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD11	12	1.18
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD12	12	1.18
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD13	12	1.18
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG21	18	1.18
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG22	18	1.18
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG23	18	1.18
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG21	18	1.18
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG22	18	1.18
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG23	18	1.18
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG21	18	1.18
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG22	18	1.18
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG23	18	1.18
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG21	4	1.18
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG22	4	1.18
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG23	4	1.18
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG21	6	1.18
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG22	6	1.18
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG23	6	1.18
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG21	11	1.18
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG22	11	1.18
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG23	11	1.18
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG21	16	1.18
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG22	16	1.18
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG23	16	1.18
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG21	3	1.18
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG22	3	1.18
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG23	3	1.18
(1,2060)	1:12:B:ILE:HD11	1:13:B:ASN:HD22	1	1.18
(1,2060)	1:12:B:ILE:HD12	1:13:B:ASN:HD22	1	1.18
(1,2060)	1:12:B:ILE:HD13	1:13:B:ASN:HD22	1	1.18
(1,1637)	1:24:A:ASP:HB2	1:27:A:LYS:HB3	7	1.18
(1,1637)	1:24:A:ASP:HB2	1:27:A:LYS:HB3	9	1.18
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG11	3	1.18
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG12	3	1.18
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG13	3	1.18
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG11	10	1.18
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG12	10	1.18
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG13	10	1.18
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG11	12	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG12	12	1.18
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG13	12	1.18
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG11	18	1.18
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG12	18	1.18
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG13	18	1.18
(1,1596)	1:29:B:SER:HB2	1:68:B:GLU:HG3	13	1.18
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD21	11	1.18
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD22	11	1.18
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD23	11	1.18
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD11	1	1.18
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD12	1	1.18
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD13	1	1.18
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD11	11	1.18
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD12	11	1.18
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD13	11	1.18
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD11	16	1.18
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD12	16	1.18
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD13	16	1.18
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD11	17	1.18
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD12	17	1.18
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD13	17	1.18
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG21	9	1.18
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG22	9	1.18
(1,354)	1:9:B:GLU:H	1:10:B:THR:HG23	9	1.18
(1,228)	1:72:A:GLN:HE22	1:76:B:VAL:HA	12	1.18
(1,2467)	1:8:A:MET:HB3	1:44:B:PHE:HE1	9	1.17
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD11	19	1.17
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD12	19	1.17
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD13	19	1.17
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD11	16	1.17
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD12	16	1.17
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD13	16	1.17
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG21	19	1.17
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG22	19	1.17
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG23	19	1.17
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG21	19	1.17
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG22	19	1.17
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG23	19	1.17
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG21	19	1.17
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG22	19	1.17
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG23	19	1.17
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG21	8	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG22	8	1.17
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG23	8	1.17
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG21	8	1.17
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG22	8	1.17
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG23	8	1.17
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG21	8	1.17
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG22	8	1.17
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG23	8	1.17
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE2	11	1.17
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE3	11	1.17
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG21	18	1.17
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG22	18	1.17
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG23	18	1.17
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG21	4	1.17
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG22	4	1.17
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG23	4	1.17
(1,2059)	1:12:A:ILE:HD11	1:13:A:ASN:HD22	17	1.17
(1,2059)	1:12:A:ILE:HD12	1:13:A:ASN:HD22	17	1.17
(1,2059)	1:12:A:ILE:HD13	1:13:A:ASN:HD22	17	1.17
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD11	19	1.17
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD12	19	1.17
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD13	19	1.17
(1,1782)	1:21:B:LYS:HG3	1:32:B:GLU:HB3	5	1.17
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG11	11	1.17
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG12	11	1.17
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG13	11	1.17
(1,1451)	1:41:A:LEU:HD21	1:8:B:MET:HB2	3	1.17
(1,1451)	1:41:A:LEU:HD22	1:8:B:MET:HB2	3	1.17
(1,1451)	1:41:A:LEU:HD23	1:8:B:MET:HB2	3	1.17
(1,1451)	1:41:A:LEU:HD21	1:8:B:MET:HB2	20	1.17
(1,1451)	1:41:A:LEU:HD22	1:8:B:MET:HB2	20	1.17
(1,1451)	1:41:A:LEU:HD23	1:8:B:MET:HB2	20	1.17
(1,749)	1:60:A:GLU:HG3	1:64:A:ASN:HD22	8	1.17
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG11	18	1.17
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG12	18	1.17
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG13	18	1.17
(1,227)	1:76:A:VAL:HA	1:72:B:GLN:HE22	11	1.17
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE2	3	1.16
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE3	3	1.16
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG21	16	1.16
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG22	16	1.16
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG23	16	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB1	5	1.16
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB2	5	1.16
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB3	5	1.16
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB1	5	1.16
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB2	5	1.16
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB3	5	1.16
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB1	5	1.16
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB2	5	1.16
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB3	5	1.16
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE1	15	1.16
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE2	15	1.16
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE3	15	1.16
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG11	5	1.16
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG12	5	1.16
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG13	5	1.16
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG11	4	1.16
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG12	4	1.16
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG13	4	1.16
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE2	12	1.16
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE3	12	1.16
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD11	13	1.16
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD12	13	1.16
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD13	13	1.16
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD11	4	1.16
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD12	4	1.16
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD13	4	1.16
(1,228)	1:72:A:GLN:HE22	1:76:B:VAL:HA	2	1.16
(1,228)	1:72:A:GLN:HE22	1:76:B:VAL:HA	16	1.16
(1,2468)	1:44:A:PHE:HE1	1:8:B:MET:HB3	11	1.15
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD11	11	1.15
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD12	11	1.15
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD13	11	1.15
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD11	18	1.15
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD12	18	1.15
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD13	18	1.15
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG21	14	1.15
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG22	14	1.15
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG23	14	1.15
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG21	14	1.15
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG22	14	1.15
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG23	14	1.15
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG21	14	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG22	14	1.15
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG23	14	1.15
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG21	20	1.15
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG22	20	1.15
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG23	20	1.15
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG21	20	1.15
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG22	20	1.15
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG23	20	1.15
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG21	20	1.15
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG22	20	1.15
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG23	20	1.15
(1,2126)	1:21:B:LYS:HD2	1:32:B:GLU:HB2	7	1.15
(1,2126)	1:21:B:LYS:HD3	1:32:B:GLU:HB2	7	1.15
(1,1637)	1:24:A:ASP:HB2	1:27:A:LYS:HB3	18	1.15
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG11	7	1.15
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG12	7	1.15
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG13	7	1.15
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG11	13	1.15
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG12	13	1.15
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG13	13	1.15
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD21	5	1.15
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD22	5	1.15
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD23	5	1.15
(1,1305)	1:77:A:LEU:HD11	1:78:A:VAL:H	17	1.15
(1,1305)	1:77:A:LEU:HD12	1:78:A:VAL:H	17	1.15
(1,1305)	1:77:A:LEU:HD13	1:78:A:VAL:H	17	1.15
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD11	6	1.15
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD12	6	1.15
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD13	6	1.15
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG11	8	1.15
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG12	8	1.15
(1,426)	1:77:B:LEU:H	1:78:B:VAL:HG13	8	1.15
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG11	11	1.15
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG12	11	1.15
(1,425)	1:77:A:LEU:H	1:78:A:VAL:HG13	11	1.15
(1,227)	1:76:A:VAL:HA	1:72:B:GLN:HE22	7	1.15
(1,102)	1:41:B:LEU:HD21	1:43:B:GLY:H	5	1.15
(1,102)	1:41:B:LEU:HD22	1:43:B:GLY:H	5	1.15
(1,102)	1:41:B:LEU:HD23	1:43:B:GLY:H	5	1.15
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG21	11	1.14
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG22	11	1.14
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG23	11	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG21	11	1.14
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG22	11	1.14
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG23	11	1.14
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG21	11	1.14
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG22	11	1.14
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG23	11	1.14
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG21	9	1.14
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG22	9	1.14
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG23	9	1.14
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB1	13	1.14
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB2	13	1.14
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB3	13	1.14
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB1	13	1.14
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB2	13	1.14
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB3	13	1.14
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB1	13	1.14
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB2	13	1.14
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB3	13	1.14
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB1	14	1.14
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB2	14	1.14
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB3	14	1.14
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB1	14	1.14
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB2	14	1.14
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB3	14	1.14
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB1	14	1.14
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB2	14	1.14
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB3	14	1.14
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB1	16	1.14
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB2	16	1.14
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB3	16	1.14
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB1	16	1.14
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB2	16	1.14
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB3	16	1.14
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB1	16	1.14
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB2	16	1.14
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB3	16	1.14
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD21	8	1.14
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD22	8	1.14
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD23	8	1.14
(1,1913)	1:41:A:LEU:HD21	1:5:B:GLU:HB3	11	1.14
(1,1913)	1:41:A:LEU:HD22	1:5:B:GLU:HB3	11	1.14
(1,1913)	1:41:A:LEU:HD23	1:5:B:GLU:HB3	11	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1451)	1:41:A:LEU:HD21	1:8:B:MET:HB2	9	1.14
(1,1451)	1:41:A:LEU:HD22	1:8:B:MET:HB2	9	1.14
(1,1451)	1:41:A:LEU:HD23	1:8:B:MET:HB2	9	1.14
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE2	10	1.14
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE3	10	1.14
(1,1305)	1:77:A:LEU:HD11	1:78:A:VAL:H	20	1.14
(1,1305)	1:77:A:LEU:HD12	1:78:A:VAL:H	20	1.14
(1,1305)	1:77:A:LEU:HD13	1:78:A:VAL:H	20	1.14
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD11	10	1.14
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD12	10	1.14
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD13	10	1.14
(1,749)	1:60:A:GLU:HG3	1:64:A:ASN:HD22	5	1.14
(1,228)	1:72:A:GLN:HE22	1:76:B:VAL:HA	10	1.14
(1,2467)	1:8:A:MET:HB3	1:44:B:PHE:HE1	5	1.13
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD11	18	1.13
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD12	18	1.13
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD13	18	1.13
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG21	1	1.13
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG22	1	1.13
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG23	1	1.13
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG21	1	1.13
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG22	1	1.13
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG23	1	1.13
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG21	1	1.13
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG22	1	1.13
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG23	1	1.13
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG21	1	1.13
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG22	1	1.13
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG23	1	1.13
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG21	1	1.13
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG22	1	1.13
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG23	1	1.13
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG21	1	1.13
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG22	1	1.13
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG23	1	1.13
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG21	2	1.13
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG22	2	1.13
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG23	2	1.13
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG21	2	1.13
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG22	2	1.13
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG23	2	1.13
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG21	2	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG22	2	1.13
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG23	2	1.13
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG21	6	1.13
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG22	6	1.13
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG23	6	1.13
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG21	6	1.13
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG22	6	1.13
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG23	6	1.13
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG21	6	1.13
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG22	6	1.13
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG23	6	1.13
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE2	4	1.13
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE3	4	1.13
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE2	10	1.13
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE3	10	1.13
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG21	2	1.13
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG22	2	1.13
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG23	2	1.13
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG21	14	1.13
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG22	14	1.13
(1,2298)	1:11:B:LEU:HG	1:78:B:VAL:HG23	14	1.13
(1,2060)	1:12:B:ILE:HD11	1:13:B:ASN:HD22	10	1.13
(1,2060)	1:12:B:ILE:HD12	1:13:B:ASN:HD22	10	1.13
(1,2060)	1:12:B:ILE:HD13	1:13:B:ASN:HD22	10	1.13
(1,2059)	1:12:A:ILE:HD11	1:13:A:ASN:HD22	20	1.13
(1,2059)	1:12:A:ILE:HD12	1:13:A:ASN:HD22	20	1.13
(1,2059)	1:12:A:ILE:HD13	1:13:A:ASN:HD22	20	1.13
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG11	1	1.13
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG12	1	1.13
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG13	1	1.13
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG11	1	1.13
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG12	1	1.13
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG13	1	1.13
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG11	14	1.13
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG12	14	1.13
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG13	14	1.13
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG11	19	1.13
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG12	19	1.13
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG13	19	1.13
(1,1306)	1:77:B:LEU:HD11	1:78:B:VAL:H	7	1.13
(1,1306)	1:77:B:LEU:HD12	1:78:B:VAL:H	7	1.13
(1,1306)	1:77:B:LEU:HD13	1:78:B:VAL:H	7	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:77:A:LEU:HD11	1:78:A:VAL:H	15	1.13
(1,1305)	1:77:A:LEU:HD12	1:78:A:VAL:H	15	1.13
(1,1305)	1:77:A:LEU:HD13	1:78:A:VAL:H	15	1.13
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD11	3	1.13
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD12	3	1.13
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD13	3	1.13
(1,228)	1:72:A:GLN:HE22	1:76:B:VAL:HA	20	1.13
(1,227)	1:76:A:VAL:HA	1:72:B:GLN:HE22	2	1.13
(1,2468)	1:44:A:PHE:HE1	1:8:B:MET:HB3	9	1.12
(1,2467)	1:8:A:MET:HB3	1:44:B:PHE:HE1	8	1.12
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD11	15	1.12
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD12	15	1.12
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD13	15	1.12
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG21	6	1.12
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG22	6	1.12
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG23	6	1.12
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG21	6	1.12
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG22	6	1.12
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG23	6	1.12
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG21	6	1.12
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG22	6	1.12
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG23	6	1.12
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG21	17	1.12
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG22	17	1.12
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG23	17	1.12
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG21	17	1.12
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG22	17	1.12
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG23	17	1.12
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG21	17	1.12
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG22	17	1.12
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG23	17	1.12
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE2	5	1.12
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE3	5	1.12
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB1	6	1.12
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB2	6	1.12
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB3	6	1.12
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB1	6	1.12
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB2	6	1.12
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB3	6	1.12
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB1	6	1.12
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB2	6	1.12
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB3	6	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1981)	1:45:A:LEU:HB2	1:46:A:ASP:HB3	15	1.12
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD11	3	1.12
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD12	3	1.12
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD13	3	1.12
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD11	18	1.12
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD12	18	1.12
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD13	18	1.12
(1,1781)	1:21:A:LYS:HG3	1:32:A:GLU:HB3	4	1.12
(1,1638)	1:24:B:ASP:HB2	1:27:B:LYS:HB3	12	1.12
(1,1637)	1:24:A:ASP:HB2	1:27:A:LYS:HB3	12	1.12
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG11	6	1.12
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG12	6	1.12
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG13	6	1.12
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG11	8	1.12
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG12	8	1.12
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG13	8	1.12
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG11	9	1.12
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG12	9	1.12
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG13	9	1.12
(1,228)	1:72:A:GLN:HE22	1:76:B:VAL:HA	17	1.12
(1,227)	1:76:A:VAL:HA	1:72:B:GLN:HE22	14	1.12
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG21	7	1.11
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG22	7	1.11
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG23	7	1.11
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG21	7	1.11
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG22	7	1.11
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG23	7	1.11
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG21	7	1.11
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG22	7	1.11
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG23	7	1.11
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG21	15	1.11
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG22	15	1.11
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG23	15	1.11
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG21	15	1.11
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG22	15	1.11
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG23	15	1.11
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG21	15	1.11
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG22	15	1.11
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG23	15	1.11
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG21	4	1.11
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG22	4	1.11
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG23	4	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG21	4	1.11
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG22	4	1.11
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG23	4	1.11
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG21	4	1.11
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG22	4	1.11
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG23	4	1.11
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG21	19	1.11
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG22	19	1.11
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG23	19	1.11
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG21	19	1.11
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG22	19	1.11
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG23	19	1.11
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG21	19	1.11
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG22	19	1.11
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG23	19	1.11
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB1	19	1.11
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB2	19	1.11
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB3	19	1.11
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB1	19	1.11
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB2	19	1.11
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB3	19	1.11
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB1	19	1.11
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB2	19	1.11
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB3	19	1.11
(1,2060)	1:12:B:ILE:HD11	1:13:B:ASN:HD22	16	1.11
(1,2060)	1:12:B:ILE:HD12	1:13:B:ASN:HD22	16	1.11
(1,2060)	1:12:B:ILE:HD13	1:13:B:ASN:HD22	16	1.11
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD11	5	1.11
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD12	5	1.11
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD13	5	1.11
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD11	9	1.11
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD12	9	1.11
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD13	9	1.11
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG11	19	1.11
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG12	19	1.11
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG13	19	1.11
(1,1529)	1:81:A:LEU:HD11	1:82:A:THR:HA	15	1.11
(1,1529)	1:81:A:LEU:HD12	1:82:A:THR:HA	15	1.11
(1,1529)	1:81:A:LEU:HD13	1:82:A:THR:HA	15	1.11
(1,1306)	1:77:B:LEU:HD11	1:78:B:VAL:H	9	1.11
(1,1306)	1:77:B:LEU:HD12	1:78:B:VAL:H	9	1.11
(1,1306)	1:77:B:LEU:HD13	1:78:B:VAL:H	9	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:76:A:VAL:HA	1:72:B:GLN:HE22	5	1.11
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG21	2	1.1
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG22	2	1.1
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG23	2	1.1
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG21	2	1.1
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG22	2	1.1
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG23	2	1.1
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG21	2	1.1
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG22	2	1.1
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG23	2	1.1
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG21	13	1.1
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG22	13	1.1
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG23	13	1.1
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG21	13	1.1
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG22	13	1.1
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG23	13	1.1
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG21	13	1.1
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG22	13	1.1
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG23	13	1.1
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG21	16	1.1
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG22	16	1.1
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG23	16	1.1
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG21	16	1.1
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG22	16	1.1
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG23	16	1.1
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG21	16	1.1
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG22	16	1.1
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG23	16	1.1
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG21	20	1.1
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG22	20	1.1
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG23	20	1.1
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG21	20	1.1
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG22	20	1.1
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG23	20	1.1
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG21	20	1.1
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG22	20	1.1
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG23	20	1.1
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG21	12	1.1
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG22	12	1.1
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG23	12	1.1
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG21	12	1.1
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG22	12	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG23	12	1.1
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG21	12	1.1
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG22	12	1.1
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG23	12	1.1
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG21	18	1.1
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG22	18	1.1
(1,2297)	1:11:A:LEU:HG	1:78:A:VAL:HG23	18	1.1
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD11	13	1.1
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD12	13	1.1
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD13	13	1.1
(1,1637)	1:24:A:ASP:HB2	1:27:A:LYS:HB3	16	1.1
(1,1637)	1:24:A:ASP:HB2	1:27:A:LYS:HB3	19	1.1
(1,1451)	1:41:A:LEU:HD21	1:8:B:MET:HB2	15	1.1
(1,1451)	1:41:A:LEU:HD22	1:8:B:MET:HB2	15	1.1
(1,1451)	1:41:A:LEU:HD23	1:8:B:MET:HB2	15	1.1
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE2	16	1.1
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE3	16	1.1
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD11	2	1.1
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD12	2	1.1
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD13	2	1.1
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD11	18	1.1
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD12	18	1.1
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD13	18	1.1
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD11	6	1.09
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD12	6	1.09
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD13	6	1.09
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG21	3	1.09
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG22	3	1.09
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG23	3	1.09
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG21	3	1.09
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG22	3	1.09
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG23	3	1.09
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG21	3	1.09
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG22	3	1.09
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG23	3	1.09
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG21	14	1.09
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG22	14	1.09
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG23	14	1.09
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG21	14	1.09
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG22	14	1.09
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG23	14	1.09
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG21	14	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG22	14	1.09
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG23	14	1.09
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD21	20	1.09
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD22	20	1.09
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD23	20	1.09
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE2	1	1.09
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE3	1	1.09
(1,1306)	1:77:B:LEU:HD11	1:78:B:VAL:H	5	1.09
(1,1306)	1:77:B:LEU:HD12	1:78:B:VAL:H	5	1.09
(1,1306)	1:77:B:LEU:HD13	1:78:B:VAL:H	5	1.09
(1,1305)	1:77:A:LEU:HD11	1:78:A:VAL:H	9	1.09
(1,1305)	1:77:A:LEU:HD12	1:78:A:VAL:H	9	1.09
(1,1305)	1:77:A:LEU:HD13	1:78:A:VAL:H	9	1.09
(1,1305)	1:77:A:LEU:HD11	1:78:A:VAL:H	13	1.09
(1,1305)	1:77:A:LEU:HD12	1:78:A:VAL:H	13	1.09
(1,1305)	1:77:A:LEU:HD13	1:78:A:VAL:H	13	1.09
(1,228)	1:72:A:GLN:HE22	1:76:B:VAL:HA	7	1.09
(1,2468)	1:44:A:PHE:HE1	1:8:B:MET:HB3	4	1.08
(1,2467)	1:8:A:MET:HB3	1:44:B:PHE:HE1	7	1.08
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG21	4	1.08
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG22	4	1.08
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG23	4	1.08
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG21	4	1.08
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG22	4	1.08
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG23	4	1.08
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG21	4	1.08
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG22	4	1.08
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG23	4	1.08
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG21	3	1.08
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG22	3	1.08
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG23	3	1.08
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG21	3	1.08
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG22	3	1.08
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG23	3	1.08
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG21	3	1.08
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG22	3	1.08
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG23	3	1.08
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB1	4	1.08
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB2	4	1.08
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB3	4	1.08
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB1	4	1.08
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB2	4	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB3	4	1.08
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB1	4	1.08
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB2	4	1.08
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB3	4	1.08
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB1	20	1.08
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB2	20	1.08
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB3	20	1.08
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB1	20	1.08
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB2	20	1.08
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB3	20	1.08
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB1	20	1.08
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB2	20	1.08
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB3	20	1.08
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB1	18	1.08
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB2	18	1.08
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB3	18	1.08
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB1	18	1.08
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB2	18	1.08
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB3	18	1.08
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB1	18	1.08
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB2	18	1.08
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB3	18	1.08
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD11	15	1.08
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD12	15	1.08
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD13	15	1.08
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD21	7	1.08
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD22	7	1.08
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD23	7	1.08
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD21	19	1.08
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD22	19	1.08
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD23	19	1.08
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG11	8	1.08
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG12	8	1.08
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG13	8	1.08
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG11	13	1.08
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG12	13	1.08
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG13	13	1.08
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG11	15	1.08
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG12	15	1.08
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG13	15	1.08
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG11	2	1.08
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG12	2	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG13	2	1.08
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG11	10	1.08
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG12	10	1.08
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG13	10	1.08
(1,1557)	1:34:A:LYS:HG3	1:62:A:ASP:HA	17	1.08
(1,1305)	1:77:A:LEU:HD11	1:78:A:VAL:H	5	1.08
(1,1305)	1:77:A:LEU:HD12	1:78:A:VAL:H	5	1.08
(1,1305)	1:77:A:LEU:HD13	1:78:A:VAL:H	5	1.08
(1,1305)	1:77:A:LEU:HD11	1:78:A:VAL:H	10	1.08
(1,1305)	1:77:A:LEU:HD12	1:78:A:VAL:H	10	1.08
(1,1305)	1:77:A:LEU:HD13	1:78:A:VAL:H	10	1.08
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD11	6	1.08
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD12	6	1.08
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD13	6	1.08
(1,2467)	1:8:A:MET:HB3	1:44:B:PHE:HE1	13	1.07
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG21	10	1.07
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG22	10	1.07
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG23	10	1.07
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG21	10	1.07
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG22	10	1.07
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG23	10	1.07
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG21	10	1.07
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG22	10	1.07
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG23	10	1.07
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG21	5	1.07
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG22	5	1.07
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG23	5	1.07
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG21	5	1.07
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG22	5	1.07
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG23	5	1.07
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG21	5	1.07
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG22	5	1.07
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG23	5	1.07
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG21	9	1.07
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG22	9	1.07
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG23	9	1.07
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG21	9	1.07
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG22	9	1.07
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG23	9	1.07
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG21	9	1.07
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG22	9	1.07
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG23	9	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG21	15	1.07
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG22	15	1.07
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG23	15	1.07
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG21	15	1.07
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG22	15	1.07
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG23	15	1.07
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG21	15	1.07
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG22	15	1.07
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG23	15	1.07
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE2	17	1.07
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE3	17	1.07
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB1	15	1.07
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB2	15	1.07
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB3	15	1.07
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB1	15	1.07
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB2	15	1.07
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB3	15	1.07
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB1	15	1.07
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB2	15	1.07
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB3	15	1.07
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB1	8	1.07
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB2	8	1.07
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB3	8	1.07
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB1	8	1.07
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB2	8	1.07
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB3	8	1.07
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB1	8	1.07
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB2	8	1.07
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB3	8	1.07
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB1	19	1.07
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB2	19	1.07
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB3	19	1.07
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB1	19	1.07
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB2	19	1.07
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB3	19	1.07
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB1	19	1.07
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB2	19	1.07
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB3	19	1.07
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD11	14	1.07
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD12	14	1.07
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD13	14	1.07
(1,1609)	1:8:A:MET:HB2	1:9:A:GLU:HB2	16	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1451)	1:41:A:LEU:HD21	1:8:B:MET:HB2	18	1.07
(1,1451)	1:41:A:LEU:HD22	1:8:B:MET:HB2	18	1.07
(1,1451)	1:41:A:LEU:HD23	1:8:B:MET:HB2	18	1.07
(1,1306)	1:77:B:LEU:HD11	1:78:B:VAL:H	3	1.07
(1,1306)	1:77:B:LEU:HD12	1:78:B:VAL:H	3	1.07
(1,1306)	1:77:B:LEU:HD13	1:78:B:VAL:H	3	1.07
(1,1306)	1:77:B:LEU:HD11	1:78:B:VAL:H	4	1.07
(1,1306)	1:77:B:LEU:HD12	1:78:B:VAL:H	4	1.07
(1,1306)	1:77:B:LEU:HD13	1:78:B:VAL:H	4	1.07
(1,1306)	1:77:B:LEU:HD11	1:78:B:VAL:H	10	1.07
(1,1306)	1:77:B:LEU:HD12	1:78:B:VAL:H	10	1.07
(1,1306)	1:77:B:LEU:HD13	1:78:B:VAL:H	10	1.07
(1,1306)	1:77:B:LEU:HD11	1:78:B:VAL:H	16	1.07
(1,1306)	1:77:B:LEU:HD12	1:78:B:VAL:H	16	1.07
(1,1306)	1:77:B:LEU:HD13	1:78:B:VAL:H	16	1.07
(1,1305)	1:77:A:LEU:HD11	1:78:A:VAL:H	7	1.07
(1,1305)	1:77:A:LEU:HD12	1:78:A:VAL:H	7	1.07
(1,1305)	1:77:A:LEU:HD13	1:78:A:VAL:H	7	1.07
(1,1305)	1:77:A:LEU:HD11	1:78:A:VAL:H	19	1.07
(1,1305)	1:77:A:LEU:HD12	1:78:A:VAL:H	19	1.07
(1,1305)	1:77:A:LEU:HD13	1:78:A:VAL:H	19	1.07
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD11	14	1.07
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD12	14	1.07
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD13	14	1.07
(1,227)	1:76:A:VAL:HA	1:72:B:GLN:HE22	20	1.07
(1,2467)	1:8:A:MET:HB3	1:44:B:PHE:HE1	10	1.06
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD11	1	1.06
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD12	1	1.06
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD13	1	1.06
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG21	9	1.06
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG22	9	1.06
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG23	9	1.06
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG21	9	1.06
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG22	9	1.06
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG23	9	1.06
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG21	9	1.06
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG22	9	1.06
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG23	9	1.06
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG21	7	1.06
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG22	7	1.06
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG23	7	1.06
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG21	7	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG22	7	1.06
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG23	7	1.06
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG21	7	1.06
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG22	7	1.06
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG23	7	1.06
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE2	20	1.06
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE3	20	1.06
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB1	12	1.06
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB2	12	1.06
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB3	12	1.06
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB1	12	1.06
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB2	12	1.06
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB3	12	1.06
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB1	12	1.06
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB2	12	1.06
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB3	12	1.06
(1,2060)	1:12:B:ILE:HD11	1:13:B:ASN:HD22	7	1.06
(1,2060)	1:12:B:ILE:HD12	1:13:B:ASN:HD22	7	1.06
(1,2060)	1:12:B:ILE:HD13	1:13:B:ASN:HD22	7	1.06
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD11	15	1.06
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD12	15	1.06
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD13	15	1.06
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD11	17	1.06
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD12	17	1.06
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD13	17	1.06
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD11	20	1.06
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD12	20	1.06
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD13	20	1.06
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD11	7	1.06
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD12	7	1.06
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD13	7	1.06
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD11	16	1.06
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD12	16	1.06
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD13	16	1.06
(1,1638)	1:24:B:ASP:HB2	1:27:B:LYS:HB3	6	1.06
(1,1638)	1:24:B:ASP:HB2	1:27:B:LYS:HB3	17	1.06
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG11	5	1.06
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG12	5	1.06
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG13	5	1.06
(1,1306)	1:77:B:LEU:HD11	1:78:B:VAL:H	2	1.06
(1,1306)	1:77:B:LEU:HD12	1:78:B:VAL:H	2	1.06
(1,1306)	1:77:B:LEU:HD13	1:78:B:VAL:H	2	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:77:A:LEU:HD11	1:78:A:VAL:H	3	1.06
(1,1305)	1:77:A:LEU:HD12	1:78:A:VAL:H	3	1.06
(1,1305)	1:77:A:LEU:HD13	1:78:A:VAL:H	3	1.06
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG21	17	1.05
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG22	17	1.05
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG23	17	1.05
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG21	17	1.05
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG22	17	1.05
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG23	17	1.05
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG21	17	1.05
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG22	17	1.05
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG23	17	1.05
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG21	13	1.05
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG22	13	1.05
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG23	13	1.05
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG21	13	1.05
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG22	13	1.05
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG23	13	1.05
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG21	13	1.05
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG22	13	1.05
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG23	13	1.05
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB1	7	1.05
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB2	7	1.05
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB3	7	1.05
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB1	7	1.05
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB2	7	1.05
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB3	7	1.05
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB1	7	1.05
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB2	7	1.05
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB3	7	1.05
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD11	7	1.05
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD12	7	1.05
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD13	7	1.05
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD21	12	1.05
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD22	12	1.05
(1,1914)	1:5:A:GLU:HB3	1:41:B:LEU:HD23	12	1.05
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD11	9	1.05
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD12	9	1.05
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD13	9	1.05
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD21	8	1.05
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD22	8	1.05
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD23	8	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1742)	1:8:A:MET:HE1	1:44:B:PHE:HZ	15	1.05
(1,1742)	1:8:A:MET:HE2	1:44:B:PHE:HZ	15	1.05
(1,1742)	1:8:A:MET:HE3	1:44:B:PHE:HZ	15	1.05
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD21	14	1.05
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD22	14	1.05
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD23	14	1.05
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE2	20	1.05
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE3	20	1.05
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE2	14	1.05
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE3	14	1.05
(1,1306)	1:77:B:LEU:HD11	1:78:B:VAL:H	1	1.05
(1,1306)	1:77:B:LEU:HD12	1:78:B:VAL:H	1	1.05
(1,1306)	1:77:B:LEU:HD13	1:78:B:VAL:H	1	1.05
(1,1306)	1:77:B:LEU:HD11	1:78:B:VAL:H	11	1.05
(1,1306)	1:77:B:LEU:HD12	1:78:B:VAL:H	11	1.05
(1,1306)	1:77:B:LEU:HD13	1:78:B:VAL:H	11	1.05
(1,1306)	1:77:B:LEU:HD11	1:78:B:VAL:H	17	1.05
(1,1306)	1:77:B:LEU:HD12	1:78:B:VAL:H	17	1.05
(1,1306)	1:77:B:LEU:HD13	1:78:B:VAL:H	17	1.05
(1,1306)	1:77:B:LEU:HD11	1:78:B:VAL:H	20	1.05
(1,1306)	1:77:B:LEU:HD12	1:78:B:VAL:H	20	1.05
(1,1306)	1:77:B:LEU:HD13	1:78:B:VAL:H	20	1.05
(1,1305)	1:77:A:LEU:HD11	1:78:A:VAL:H	4	1.05
(1,1305)	1:77:A:LEU:HD12	1:78:A:VAL:H	4	1.05
(1,1305)	1:77:A:LEU:HD13	1:78:A:VAL:H	4	1.05
(1,1305)	1:77:A:LEU:HD11	1:78:A:VAL:H	6	1.05
(1,1305)	1:77:A:LEU:HD12	1:78:A:VAL:H	6	1.05
(1,1305)	1:77:A:LEU:HD13	1:78:A:VAL:H	6	1.05
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD11	14	1.05
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD12	14	1.05
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD13	14	1.05
(1,228)	1:72:A:GLN:HE22	1:76:B:VAL:HA	9	1.05
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD11	10	1.04
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD12	10	1.04
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD13	10	1.04
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG21	5	1.04
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG22	5	1.04
(1,2370)	1:75:B:VAL:HG11	1:78:B:VAL:HG23	5	1.04
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG21	5	1.04
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG22	5	1.04
(1,2370)	1:75:B:VAL:HG12	1:78:B:VAL:HG23	5	1.04
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG21	5	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG22	5	1.04
(1,2370)	1:75:B:VAL:HG13	1:78:B:VAL:HG23	5	1.04
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG21	10	1.04
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG22	10	1.04
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG23	10	1.04
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG21	10	1.04
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG22	10	1.04
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG23	10	1.04
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG21	10	1.04
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG22	10	1.04
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG23	10	1.04
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB1	10	1.04
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB2	10	1.04
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB3	10	1.04
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB1	10	1.04
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB2	10	1.04
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB3	10	1.04
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB1	10	1.04
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB2	10	1.04
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB3	10	1.04
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD11	17	1.04
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD12	17	1.04
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD13	17	1.04
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD11	3	1.04
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD12	3	1.04
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD13	3	1.04
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD11	11	1.04
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD12	11	1.04
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD13	11	1.04
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD11	19	1.04
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD12	19	1.04
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD13	19	1.04
(1,1715)	1:41:A:LEU:HD21	1:8:B:MET:HG2	10	1.04
(1,1715)	1:41:A:LEU:HD22	1:8:B:MET:HG2	10	1.04
(1,1715)	1:41:A:LEU:HD23	1:8:B:MET:HG2	10	1.04
(1,1610)	1:8:B:MET:HB2	1:9:B:GLU:HB2	13	1.04
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG11	17	1.04
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG12	17	1.04
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG13	17	1.04
(1,1558)	1:34:B:LYS:HG3	1:62:B:ASP:HA	13	1.04
(1,1558)	1:34:B:LYS:HG3	1:62:B:ASP:HA	16	1.04
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD11	11	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD12	11	1.04
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD13	11	1.04
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD11	8	1.03
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD12	8	1.03
(1,2372)	1:76:B:VAL:HB	1:77:B:LEU:HD13	8	1.03
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD11	12	1.03
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD12	12	1.03
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD13	12	1.03
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE2	1	1.03
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE3	1	1.03
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB1	17	1.03
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB2	17	1.03
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB3	17	1.03
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB1	17	1.03
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB2	17	1.03
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB3	17	1.03
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB1	17	1.03
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB2	17	1.03
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB3	17	1.03
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD11	2	1.03
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD12	2	1.03
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD13	2	1.03
(1,1638)	1:24:B:ASP:HB2	1:27:B:LYS:HB3	1	1.03
(1,1609)	1:8:A:MET:HB2	1:9:A:GLU:HB2	14	1.03
(1,1306)	1:77:B:LEU:HD11	1:78:B:VAL:H	13	1.03
(1,1306)	1:77:B:LEU:HD12	1:78:B:VAL:H	13	1.03
(1,1306)	1:77:B:LEU:HD13	1:78:B:VAL:H	13	1.03
(1,1306)	1:77:B:LEU:HD11	1:78:B:VAL:H	15	1.03
(1,1306)	1:77:B:LEU:HD12	1:78:B:VAL:H	15	1.03
(1,1306)	1:77:B:LEU:HD13	1:78:B:VAL:H	15	1.03
(1,1305)	1:77:A:LEU:HD11	1:78:A:VAL:H	14	1.03
(1,1305)	1:77:A:LEU:HD12	1:78:A:VAL:H	14	1.03
(1,1305)	1:77:A:LEU:HD13	1:78:A:VAL:H	14	1.03
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD11	2	1.03
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD12	2	1.03
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD13	2	1.03
(1,228)	1:72:A:GLN:HE22	1:76:B:VAL:HA	3	1.03
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG2	16	1.02
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG3	16	1.02
(1,2467)	1:8:A:MET:HB3	1:44:B:PHE:HE1	14	1.02
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD11	14	1.02
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD12	14	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD13	14	1.02
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG21	18	1.02
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG22	18	1.02
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG23	18	1.02
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG21	18	1.02
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG22	18	1.02
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG23	18	1.02
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG21	18	1.02
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG22	18	1.02
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG23	18	1.02
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB1	3	1.02
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB2	3	1.02
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB3	3	1.02
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB1	3	1.02
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB2	3	1.02
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB3	3	1.02
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB1	3	1.02
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB2	3	1.02
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB3	3	1.02
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB1	18	1.02
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB2	18	1.02
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB3	18	1.02
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB1	18	1.02
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB2	18	1.02
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB3	18	1.02
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB1	18	1.02
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB2	18	1.02
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB3	18	1.02
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB1	1	1.02
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB2	1	1.02
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB3	1	1.02
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB1	1	1.02
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB2	1	1.02
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB3	1	1.02
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB1	1	1.02
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB2	1	1.02
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB3	1	1.02
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB1	2	1.02
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB2	2	1.02
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB3	2	1.02
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB1	2	1.02
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB2	2	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB3	2	1.02
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB1	2	1.02
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB2	2	1.02
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB3	2	1.02
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB1	3	1.02
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB2	3	1.02
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB3	3	1.02
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB1	3	1.02
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB2	3	1.02
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB3	3	1.02
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB1	3	1.02
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB2	3	1.02
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB3	3	1.02
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB1	4	1.02
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB2	4	1.02
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB3	4	1.02
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB1	4	1.02
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB2	4	1.02
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB3	4	1.02
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB1	4	1.02
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB2	4	1.02
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB3	4	1.02
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD11	5	1.02
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD12	5	1.02
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD13	5	1.02
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD11	18	1.02
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD12	18	1.02
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD13	18	1.02
(1,1742)	1:8:A:MET:HE1	1:44:B:PHE:HZ	18	1.02
(1,1742)	1:8:A:MET:HE2	1:44:B:PHE:HZ	18	1.02
(1,1742)	1:8:A:MET:HE3	1:44:B:PHE:HZ	18	1.02
(1,1715)	1:41:A:LEU:HD21	1:8:B:MET:HG2	7	1.02
(1,1715)	1:41:A:LEU:HD22	1:8:B:MET:HG2	7	1.02
(1,1715)	1:41:A:LEU:HD23	1:8:B:MET:HG2	7	1.02
(1,1708)	1:21:B:LYS:HG2	1:32:B:GLU:HB3	20	1.02
(1,1610)	1:8:B:MET:HB2	1:9:B:GLU:HB2	4	1.02
(1,1306)	1:77:B:LEU:HD11	1:78:B:VAL:H	12	1.02
(1,1306)	1:77:B:LEU:HD12	1:78:B:VAL:H	12	1.02
(1,1306)	1:77:B:LEU:HD13	1:78:B:VAL:H	12	1.02
(1,1306)	1:77:B:LEU:HD11	1:78:B:VAL:H	14	1.02
(1,1306)	1:77:B:LEU:HD12	1:78:B:VAL:H	14	1.02
(1,1306)	1:77:B:LEU:HD13	1:78:B:VAL:H	14	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:77:A:LEU:HD11	1:78:A:VAL:H	16	1.02
(1,1305)	1:77:A:LEU:HD12	1:78:A:VAL:H	16	1.02
(1,1305)	1:77:A:LEU:HD13	1:78:A:VAL:H	16	1.02
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD11	1	1.02
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD12	1	1.02
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD13	1	1.02
(1,228)	1:72:A:GLN:HE22	1:76:B:VAL:HA	11	1.02
(1,227)	1:76:A:VAL:HA	1:72:B:GLN:HE22	3	1.02
(1,227)	1:76:A:VAL:HA	1:72:B:GLN:HE22	9	1.02
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB1	10	1.01
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB2	10	1.01
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB3	10	1.01
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB1	10	1.01
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB2	10	1.01
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB3	10	1.01
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB1	10	1.01
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB2	10	1.01
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB3	10	1.01
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB1	11	1.01
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB2	11	1.01
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB3	11	1.01
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB1	11	1.01
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB2	11	1.01
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB3	11	1.01
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB1	11	1.01
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB2	11	1.01
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB3	11	1.01
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB1	13	1.01
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB2	13	1.01
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB3	13	1.01
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB1	13	1.01
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB2	13	1.01
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB3	13	1.01
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB1	13	1.01
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB2	13	1.01
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB3	13	1.01
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB1	11	1.01
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB2	11	1.01
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB3	11	1.01
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB1	11	1.01
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB2	11	1.01
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB3	11	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB1	11	1.01
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB2	11	1.01
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB3	11	1.01
(1,2126)	1:21:B:LYS:HD2	1:32:B:GLU:HB2	18	1.01
(1,2126)	1:21:B:LYS:HD3	1:32:B:GLU:HB2	18	1.01
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE1	12	1.01
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE2	12	1.01
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE3	12	1.01
(1,1638)	1:24:B:ASP:HB2	1:27:B:LYS:HB3	2	1.01
(1,1638)	1:24:B:ASP:HB2	1:27:B:LYS:HB3	18	1.01
(1,1609)	1:8:A:MET:HB2	1:9:A:GLU:HB2	19	1.01
(1,1573)	1:29:A:SER:HB3	1:31:A:LYS:HB3	11	1.01
(1,1306)	1:77:B:LEU:HD11	1:78:B:VAL:H	19	1.01
(1,1306)	1:77:B:LEU:HD12	1:78:B:VAL:H	19	1.01
(1,1306)	1:77:B:LEU:HD13	1:78:B:VAL:H	19	1.01
(1,1305)	1:77:A:LEU:HD11	1:78:A:VAL:H	11	1.01
(1,1305)	1:77:A:LEU:HD12	1:78:A:VAL:H	11	1.01
(1,1305)	1:77:A:LEU:HD13	1:78:A:VAL:H	11	1.01
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD11	12	1.01
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD12	12	1.01
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD13	12	1.01
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD11	12	1.01
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD12	12	1.01
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD13	12	1.01
(1,749)	1:60:A:GLU:HG3	1:64:A:ASN:HD22	12	1.01
(1,491)	1:41:A:LEU:HD21	1:44:A:PHE:H	6	1.01
(1,491)	1:41:A:LEU:HD22	1:44:A:PHE:H	6	1.01
(1,491)	1:41:A:LEU:HD23	1:44:A:PHE:H	6	1.01
(1,228)	1:72:A:GLN:HE22	1:76:B:VAL:HA	19	1.01
(1,227)	1:76:A:VAL:HA	1:72:B:GLN:HE22	13	1.01
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB1	15	1.0
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB2	15	1.0
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB3	15	1.0
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB1	15	1.0
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB2	15	1.0
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB3	15	1.0
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB1	15	1.0
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB2	15	1.0
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB3	15	1.0
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD11	11	1.0
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD12	11	1.0
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD13	11	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1640)	1:29:B:SER:HB2	1:31:B:LYS:HB3	2	1.0
(1,1639)	1:29:A:SER:HB2	1:31:A:LYS:HB3	19	1.0
(1,1638)	1:24:B:ASP:HB2	1:27:B:LYS:HB3	13	1.0
(1,1610)	1:8:B:MET:HB2	1:9:B:GLU:HB2	3	1.0
(1,1610)	1:8:B:MET:HB2	1:9:B:GLU:HB2	19	1.0
(1,1573)	1:29:A:SER:HB3	1:31:A:LYS:HB3	2	1.0
(1,1306)	1:77:B:LEU:HD11	1:78:B:VAL:H	6	1.0
(1,1306)	1:77:B:LEU:HD12	1:78:B:VAL:H	6	1.0
(1,1306)	1:77:B:LEU:HD13	1:78:B:VAL:H	6	1.0
(1,1305)	1:77:A:LEU:HD11	1:78:A:VAL:H	18	1.0
(1,1305)	1:77:A:LEU:HD12	1:78:A:VAL:H	18	1.0
(1,1305)	1:77:A:LEU:HD13	1:78:A:VAL:H	18	1.0
(1,749)	1:60:A:GLU:HG3	1:64:A:ASN:HD22	14	1.0
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD11	2	0.99
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD12	2	0.99
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD13	2	0.99
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG21	16	0.99
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG22	16	0.99
(1,2369)	1:75:A:VAL:HG11	1:78:A:VAL:HG23	16	0.99
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG21	16	0.99
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG22	16	0.99
(1,2369)	1:75:A:VAL:HG12	1:78:A:VAL:HG23	16	0.99
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG21	16	0.99
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG22	16	0.99
(1,2369)	1:75:A:VAL:HG13	1:78:A:VAL:HG23	16	0.99
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE2	2	0.99
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE3	2	0.99
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD11	6	0.99
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD12	6	0.99
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD13	6	0.99
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD11	13	0.99
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD12	13	0.99
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD13	13	0.99
(1,1640)	1:29:B:SER:HB2	1:31:B:LYS:HB3	11	0.99
(1,1638)	1:24:B:ASP:HB2	1:27:B:LYS:HB3	16	0.99
(1,1610)	1:8:B:MET:HB2	1:9:B:GLU:HB2	2	0.99
(1,1610)	1:8:B:MET:HB2	1:9:B:GLU:HB2	12	0.99
(1,1609)	1:8:A:MET:HB2	1:9:A:GLU:HB2	3	0.99
(1,1609)	1:8:A:MET:HB2	1:9:A:GLU:HB2	12	0.99
(1,1609)	1:8:A:MET:HB2	1:9:A:GLU:HB2	15	0.99
(1,1573)	1:29:A:SER:HB3	1:31:A:LYS:HB3	6	0.99
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD21	13	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD22	13	0.99
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD23	13	0.99
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE2	17	0.99
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE3	17	0.99
(1,1305)	1:77:A:LEU:HD11	1:78:A:VAL:H	2	0.99
(1,1305)	1:77:A:LEU:HD12	1:78:A:VAL:H	2	0.99
(1,1305)	1:77:A:LEU:HD13	1:78:A:VAL:H	2	0.99
(1,1305)	1:77:A:LEU:HD11	1:78:A:VAL:H	12	0.99
(1,1305)	1:77:A:LEU:HD12	1:78:A:VAL:H	12	0.99
(1,1305)	1:77:A:LEU:HD13	1:78:A:VAL:H	12	0.99
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD11	15	0.99
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD12	15	0.99
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD13	15	0.99
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD11	18	0.99
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD12	18	0.99
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD13	18	0.99
(1,228)	1:72:A:GLN:HE22	1:76:B:VAL:HA	4	0.99
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB1	1	0.98
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB2	1	0.98
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB3	1	0.98
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB1	1	0.98
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB2	1	0.98
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB3	1	0.98
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB1	1	0.98
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB2	1	0.98
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB3	1	0.98
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB1	9	0.98
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB2	9	0.98
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB3	9	0.98
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB1	9	0.98
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB2	9	0.98
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB3	9	0.98
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB1	9	0.98
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB2	9	0.98
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB3	9	0.98
(1,2126)	1:21:B:LYS:HD2	1:32:B:GLU:HB2	3	0.98
(1,2126)	1:21:B:LYS:HD3	1:32:B:GLU:HB2	3	0.98
(1,2125)	1:21:A:LYS:HD2	1:32:A:GLU:HB2	18	0.98
(1,2125)	1:21:A:LYS:HD3	1:32:A:GLU:HB2	18	0.98
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD11	6	0.98
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD12	6	0.98
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD13	6	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD11	13	0.98
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD12	13	0.98
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD13	13	0.98
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD11	4	0.98
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD12	4	0.98
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD13	4	0.98
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD11	12	0.98
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD12	12	0.98
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD13	12	0.98
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE1	17	0.98
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE2	17	0.98
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE3	17	0.98
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD21	4	0.98
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD22	4	0.98
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD23	4	0.98
(1,1639)	1:29:A:SER:HB2	1:31:A:LYS:HB3	2	0.98
(1,1639)	1:29:A:SER:HB2	1:31:A:LYS:HB3	13	0.98
(1,1638)	1:24:B:ASP:HB2	1:27:B:LYS:HB3	5	0.98
(1,1610)	1:8:B:MET:HB2	1:9:B:GLU:HB2	10	0.98
(1,1610)	1:8:B:MET:HB2	1:9:B:GLU:HB2	11	0.98
(1,1609)	1:8:A:MET:HB2	1:9:A:GLU:HB2	9	0.98
(1,1574)	1:29:B:SER:HB3	1:31:B:LYS:HB3	1	0.98
(1,1574)	1:29:B:SER:HB3	1:31:B:LYS:HB3	4	0.98
(1,1574)	1:29:B:SER:HB3	1:31:B:LYS:HB3	20	0.98
(1,1557)	1:34:A:LYS:HG3	1:62:A:ASP:HA	16	0.98
(1,1507)	1:60:A:GLU:HG3	1:64:A:ASN:HB3	16	0.98
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD11	19	0.98
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD12	19	0.98
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD13	19	0.98
(1,492)	1:41:B:LEU:HD21	1:44:B:PHE:H	19	0.98
(1,492)	1:41:B:LEU:HD22	1:44:B:PHE:H	19	0.98
(1,492)	1:41:B:LEU:HD23	1:44:B:PHE:H	19	0.98
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE2	19	0.97
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE3	19	0.97
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB1	14	0.97
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB2	14	0.97
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB3	14	0.97
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB1	14	0.97
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB2	14	0.97
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB3	14	0.97
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB1	14	0.97
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB2	14	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB3	14	0.97
(1,2126)	1:21:B:LYS:HD2	1:32:B:GLU:HB2	14	0.97
(1,2126)	1:21:B:LYS:HD3	1:32:B:GLU:HB2	14	0.97
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD11	15	0.97
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD12	15	0.97
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD13	15	0.97
(1,1639)	1:29:A:SER:HB2	1:31:A:LYS:HB3	16	0.97
(1,1637)	1:24:A:ASP:HB2	1:27:A:LYS:HB3	11	0.97
(1,1610)	1:8:B:MET:HB2	1:9:B:GLU:HB2	7	0.97
(1,1609)	1:8:A:MET:HB2	1:9:A:GLU:HB2	17	0.97
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG11	20	0.97
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG12	20	0.97
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG13	20	0.97
(1,1574)	1:29:B:SER:HB3	1:31:B:LYS:HB3	18	0.97
(1,1573)	1:29:A:SER:HB3	1:31:A:LYS:HB3	8	0.97
(1,1558)	1:34:B:LYS:HG3	1:62:B:ASP:HA	5	0.97
(1,1508)	1:60:B:GLU:HG3	1:64:B:ASN:HB3	6	0.97
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD21	6	0.97
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD22	6	0.97
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD23	6	0.97
(1,1306)	1:77:B:LEU:HD11	1:78:B:VAL:H	8	0.97
(1,1306)	1:77:B:LEU:HD12	1:78:B:VAL:H	8	0.97
(1,1306)	1:77:B:LEU:HD13	1:78:B:VAL:H	8	0.97
(1,1305)	1:77:A:LEU:HD11	1:78:A:VAL:H	1	0.97
(1,1305)	1:77:A:LEU:HD12	1:78:A:VAL:H	1	0.97
(1,1305)	1:77:A:LEU:HD13	1:78:A:VAL:H	1	0.97
(1,750)	1:60:B:GLU:HG3	1:64:B:ASN:HD22	8	0.97
(1,2511)	1:41:A:LEU:HD21	1:44:A:PHE:HE1	16	0.96
(1,2511)	1:41:A:LEU:HD22	1:44:A:PHE:HE1	16	0.96
(1,2511)	1:41:A:LEU:HD23	1:44:A:PHE:HE1	16	0.96
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB1	8	0.96
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB2	8	0.96
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB3	8	0.96
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB1	8	0.96
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB2	8	0.96
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB3	8	0.96
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB1	8	0.96
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB2	8	0.96
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB3	8	0.96
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB1	7	0.96
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB2	7	0.96
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB3	7	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB1	7	0.96
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB2	7	0.96
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB3	7	0.96
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB1	7	0.96
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB2	7	0.96
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB3	7	0.96
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB1	17	0.96
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB2	17	0.96
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB3	17	0.96
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB1	17	0.96
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB2	17	0.96
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB3	17	0.96
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB1	17	0.96
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB2	17	0.96
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB3	17	0.96
(1,2125)	1:21:A:LYS:HD2	1:32:A:GLU:HB2	9	0.96
(1,2125)	1:21:A:LYS:HD3	1:32:A:GLU:HB2	9	0.96
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD11	4	0.96
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD12	4	0.96
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD13	4	0.96
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD11	9	0.96
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD12	9	0.96
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD13	9	0.96
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD11	6	0.96
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD12	6	0.96
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD13	6	0.96
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD11	4	0.96
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD12	4	0.96
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD13	4	0.96
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD11	10	0.96
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD12	10	0.96
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD13	10	0.96
(1,1829)	1:41:A:LEU:HD21	1:5:B:GLU:HA	11	0.96
(1,1829)	1:41:A:LEU:HD22	1:5:B:GLU:HA	11	0.96
(1,1829)	1:41:A:LEU:HD23	1:5:B:GLU:HA	11	0.96
(1,1638)	1:24:B:ASP:HB2	1:27:B:LYS:HB3	19	0.96
(1,1637)	1:24:A:ASP:HB2	1:27:A:LYS:HB3	2	0.96
(1,1637)	1:24:A:ASP:HB2	1:27:A:LYS:HB3	14	0.96
(1,1610)	1:8:B:MET:HB2	1:9:B:GLU:HB2	15	0.96
(1,1610)	1:8:B:MET:HB2	1:9:B:GLU:HB2	17	0.96
(1,1610)	1:8:B:MET:HB2	1:9:B:GLU:HB2	18	0.96
(1,1609)	1:8:A:MET:HB2	1:9:A:GLU:HB2	20	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1573)	1:29:A:SER:HB3	1:31:A:LYS:HB3	1	0.96
(1,1557)	1:34:A:LYS:HG3	1:62:A:ASP:HA	14	0.96
(1,1306)	1:77:B:LEU:HD11	1:78:B:VAL:H	18	0.96
(1,1306)	1:77:B:LEU:HD12	1:78:B:VAL:H	18	0.96
(1,1306)	1:77:B:LEU:HD13	1:78:B:VAL:H	18	0.96
(1,1305)	1:77:A:LEU:HD11	1:78:A:VAL:H	8	0.96
(1,1305)	1:77:A:LEU:HD12	1:78:A:VAL:H	8	0.96
(1,1305)	1:77:A:LEU:HD13	1:78:A:VAL:H	8	0.96
(1,750)	1:60:B:GLU:HG3	1:64:B:ASN:HD22	11	0.96
(1,227)	1:76:A:VAL:HA	1:72:B:GLN:HE22	19	0.96
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD11	8	0.95
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD12	8	0.95
(1,2371)	1:76:A:VAL:HB	1:77:A:LEU:HD13	8	0.95
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD11	18	0.95
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD12	18	0.95
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD13	18	0.95
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD11	2	0.95
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD12	2	0.95
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD13	2	0.95
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE1	7	0.95
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE2	7	0.95
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE3	7	0.95
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD21	15	0.95
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD22	15	0.95
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD23	15	0.95
(1,1638)	1:24:B:ASP:HB2	1:27:B:LYS:HB3	10	0.95
(1,1637)	1:24:A:ASP:HB2	1:27:A:LYS:HB3	6	0.95
(1,1610)	1:8:B:MET:HB2	1:9:B:GLU:HB2	5	0.95
(1,1609)	1:8:A:MET:HB2	1:9:A:GLU:HB2	5	0.95
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG11	11	0.95
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG12	11	0.95
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG13	11	0.95
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG11	15	0.95
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG12	15	0.95
(1,1603)	1:37:A:LEU:HA	1:78:A:VAL:HG13	15	0.95
(1,1573)	1:29:A:SER:HB3	1:31:A:LYS:HB3	3	0.95
(1,1508)	1:60:B:GLU:HG3	1:64:B:ASN:HB3	17	0.95
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD21	7	0.95
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD22	7	0.95
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD23	7	0.95
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD11	8	0.95
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD12	8	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:75:B:VAL:H	1:77:B:LEU:HD13	8	0.95
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD11	8	0.95
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD12	8	0.95
(1,839)	1:75:A:VAL:H	1:77:A:LEU:HD13	8	0.95
(1,492)	1:41:B:LEU:HD21	1:44:B:PHE:H	18	0.95
(1,492)	1:41:B:LEU:HD22	1:44:B:PHE:H	18	0.95
(1,492)	1:41:B:LEU:HD23	1:44:B:PHE:H	18	0.95
(1,491)	1:41:A:LEU:HD21	1:44:A:PHE:H	15	0.95
(1,491)	1:41:A:LEU:HD22	1:44:A:PHE:H	15	0.95
(1,491)	1:41:A:LEU:HD23	1:44:A:PHE:H	15	0.95
(1,491)	1:41:A:LEU:HD21	1:44:A:PHE:H	17	0.95
(1,491)	1:41:A:LEU:HD22	1:44:A:PHE:H	17	0.95
(1,491)	1:41:A:LEU:HD23	1:44:A:PHE:H	17	0.95
(1,2468)	1:44:A:PHE:HE1	1:8:B:MET:HB3	20	0.94
(1,2119)	1:21:A:LYS:HD2	1:32:A:GLU:HG2	10	0.94
(1,2119)	1:21:A:LYS:HD3	1:32:A:GLU:HG2	10	0.94
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD11	13	0.94
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD12	13	0.94
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD13	13	0.94
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD11	19	0.94
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD12	19	0.94
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD13	19	0.94
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD11	12	0.94
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD12	12	0.94
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD13	12	0.94
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD11	15	0.94
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD12	15	0.94
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD13	15	0.94
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD21	12	0.94
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD22	12	0.94
(1,1830)	1:5:A:GLU:HA	1:41:B:LEU:HD23	12	0.94
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE1	16	0.94
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE2	16	0.94
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE3	16	0.94
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD21	3	0.94
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD22	3	0.94
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD23	3	0.94
(1,1639)	1:29:A:SER:HB2	1:31:A:LYS:HB3	17	0.94
(1,1638)	1:24:B:ASP:HB2	1:27:B:LYS:HB3	4	0.94
(1,1637)	1:24:A:ASP:HB2	1:27:A:LYS:HB3	15	0.94
(1,1610)	1:8:B:MET:HB2	1:9:B:GLU:HB2	1	0.94
(1,1610)	1:8:B:MET:HB2	1:9:B:GLU:HB2	16	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD11	19	0.94
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD12	19	0.94
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD13	19	0.94
(1,1574)	1:29:B:SER:HB3	1:31:B:LYS:HB3	8	0.94
(1,1574)	1:29:B:SER:HB3	1:31:B:LYS:HB3	9	0.94
(1,1574)	1:29:B:SER:HB3	1:31:B:LYS:HB3	19	0.94
(1,1573)	1:29:A:SER:HB3	1:31:A:LYS:HB3	7	0.94
(1,1573)	1:29:A:SER:HB3	1:31:A:LYS:HB3	15	0.94
(1,1508)	1:60:B:GLU:HG3	1:64:B:ASN:HB3	2	0.94
(1,228)	1:72:A:GLN:HE22	1:76:B:VAL:HA	15	0.94
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB1	16	0.93
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB2	16	0.93
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB3	16	0.93
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB1	16	0.93
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB2	16	0.93
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB3	16	0.93
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB1	16	0.93
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB2	16	0.93
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB3	16	0.93
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB1	20	0.93
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB2	20	0.93
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB3	20	0.93
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB1	20	0.93
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB2	20	0.93
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB3	20	0.93
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB1	20	0.93
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB2	20	0.93
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB3	20	0.93
(1,2170)	1:44:B:PHE:HA	1:44:B:PHE:HD2	5	0.93
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD11	3	0.93
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD12	3	0.93
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD13	3	0.93
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD11	12	0.93
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD12	12	0.93
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD13	12	0.93
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD11	14	0.93
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD12	14	0.93
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD13	14	0.93
(1,1742)	1:8:A:MET:HE1	1:44:B:PHE:HZ	20	0.93
(1,1742)	1:8:A:MET:HE2	1:44:B:PHE:HZ	20	0.93
(1,1742)	1:8:A:MET:HE3	1:44:B:PHE:HZ	20	0.93
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE1	8	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE2	8	0.93
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE3	8	0.93
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE1	14	0.93
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE2	14	0.93
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE3	14	0.93
(1,1639)	1:29:A:SER:HB2	1:31:A:LYS:HB3	18	0.93
(1,1609)	1:8:A:MET:HB2	1:9:A:GLU:HB2	2	0.93
(1,1609)	1:8:A:MET:HB2	1:9:A:GLU:HB2	13	0.93
(1,1573)	1:29:A:SER:HB3	1:31:A:LYS:HB3	20	0.93
(1,1507)	1:60:A:GLU:HG3	1:64:A:ASN:HB3	6	0.93
(1,1507)	1:60:A:GLU:HG3	1:64:A:ASN:HB3	19	0.93
(1,492)	1:41:B:LEU:HD21	1:44:B:PHE:H	20	0.93
(1,492)	1:41:B:LEU:HD22	1:44:B:PHE:H	20	0.93
(1,492)	1:41:B:LEU:HD23	1:44:B:PHE:H	20	0.93
(1,491)	1:41:A:LEU:HD21	1:44:A:PHE:H	4	0.93
(1,491)	1:41:A:LEU:HD22	1:44:A:PHE:H	4	0.93
(1,491)	1:41:A:LEU:HD23	1:44:A:PHE:H	4	0.93
(1,2468)	1:44:A:PHE:HE1	1:8:B:MET:HB3	13	0.92
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB1	6	0.92
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB2	6	0.92
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB3	6	0.92
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB1	6	0.92
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB2	6	0.92
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB3	6	0.92
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB1	6	0.92
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB2	6	0.92
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB3	6	0.92
(1,2125)	1:21:A:LYS:HD2	1:32:A:GLU:HB2	4	0.92
(1,2125)	1:21:A:LYS:HD3	1:32:A:GLU:HB2	4	0.92
(1,2119)	1:21:A:LYS:HD2	1:32:A:GLU:HG2	13	0.92
(1,2119)	1:21:A:LYS:HD3	1:32:A:GLU:HG2	13	0.92
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD11	3	0.92
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD12	3	0.92
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD13	3	0.92
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD11	14	0.92
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD12	14	0.92
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD13	14	0.92
(1,1981)	1:45:A:LEU:HB2	1:46:A:ASP:HB3	14	0.92
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD11	8	0.92
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD12	8	0.92
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD13	8	0.92
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD11	20	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD12	20	0.92
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD13	20	0.92
(1,1715)	1:41:A:LEU:HD21	1:8:B:MET:HG2	1	0.92
(1,1715)	1:41:A:LEU:HD22	1:8:B:MET:HG2	1	0.92
(1,1715)	1:41:A:LEU:HD23	1:8:B:MET:HG2	1	0.92
(1,1610)	1:8:B:MET:HB2	1:9:B:GLU:HB2	6	0.92
(1,1609)	1:8:A:MET:HB2	1:9:A:GLU:HB2	6	0.92
(1,1609)	1:8:A:MET:HB2	1:9:A:GLU:HB2	8	0.92
(1,1609)	1:8:A:MET:HB2	1:9:A:GLU:HB2	11	0.92
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD11	13	0.92
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD12	13	0.92
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD13	13	0.92
(1,1508)	1:60:B:GLU:HG3	1:64:B:ASN:HB3	11	0.92
(1,1451)	1:41:A:LEU:HD21	1:8:B:MET:HB2	19	0.92
(1,1451)	1:41:A:LEU:HD22	1:8:B:MET:HB2	19	0.92
(1,1451)	1:41:A:LEU:HD23	1:8:B:MET:HB2	19	0.92
(1,790)	1:81:B:LEU:HD11	1:82:B:THR:H	4	0.92
(1,790)	1:81:B:LEU:HD12	1:82:B:THR:H	4	0.92
(1,790)	1:81:B:LEU:HD13	1:82:B:THR:H	4	0.92
(1,790)	1:81:B:LEU:HD11	1:82:B:THR:H	16	0.92
(1,790)	1:81:B:LEU:HD12	1:82:B:THR:H	16	0.92
(1,790)	1:81:B:LEU:HD13	1:82:B:THR:H	16	0.92
(1,492)	1:41:B:LEU:HD21	1:44:B:PHE:H	3	0.92
(1,492)	1:41:B:LEU:HD22	1:44:B:PHE:H	3	0.92
(1,492)	1:41:B:LEU:HD23	1:44:B:PHE:H	3	0.92
(1,492)	1:41:B:LEU:HD21	1:44:B:PHE:H	15	0.92
(1,492)	1:41:B:LEU:HD22	1:44:B:PHE:H	15	0.92
(1,492)	1:41:B:LEU:HD23	1:44:B:PHE:H	15	0.92
(1,491)	1:41:A:LEU:HD21	1:44:A:PHE:H	3	0.92
(1,491)	1:41:A:LEU:HD22	1:44:A:PHE:H	3	0.92
(1,491)	1:41:A:LEU:HD23	1:44:A:PHE:H	3	0.92
(1,491)	1:41:A:LEU:HD21	1:44:A:PHE:H	12	0.92
(1,491)	1:41:A:LEU:HD22	1:44:A:PHE:H	12	0.92
(1,491)	1:41:A:LEU:HD23	1:44:A:PHE:H	12	0.92
(1,2467)	1:8:A:MET:HB3	1:44:B:PHE:HE1	16	0.91
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB1	2	0.91
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB2	2	0.91
(1,2206)	1:81:B:LEU:HD11	1:84:B:ALA:HB3	2	0.91
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB1	2	0.91
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB2	2	0.91
(1,2206)	1:81:B:LEU:HD12	1:84:B:ALA:HB3	2	0.91
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB1	2	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB2	2	0.91
(1,2206)	1:81:B:LEU:HD13	1:84:B:ALA:HB3	2	0.91
(1,2169)	1:44:A:PHE:HA	1:44:A:PHE:HD2	5	0.91
(1,2169)	1:44:A:PHE:HA	1:44:A:PHE:HD2	18	0.91
(1,2119)	1:21:A:LYS:HD2	1:32:A:GLU:HG2	18	0.91
(1,2119)	1:21:A:LYS:HD3	1:32:A:GLU:HG2	18	0.91
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD11	20	0.91
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD12	20	0.91
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD13	20	0.91
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD11	1	0.91
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD12	1	0.91
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD13	1	0.91
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD11	8	0.91
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD12	8	0.91
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD13	8	0.91
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD11	17	0.91
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD12	17	0.91
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD13	17	0.91
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE1	18	0.91
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE2	18	0.91
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE3	18	0.91
(1,1715)	1:41:A:LEU:HD21	1:8:B:MET:HG2	15	0.91
(1,1715)	1:41:A:LEU:HD22	1:8:B:MET:HG2	15	0.91
(1,1715)	1:41:A:LEU:HD23	1:8:B:MET:HG2	15	0.91
(1,1640)	1:29:B:SER:HB2	1:31:B:LYS:HB3	17	0.91
(1,1609)	1:8:A:MET:HB2	1:9:A:GLU:HB2	1	0.91
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD11	3	0.91
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD12	3	0.91
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD13	3	0.91
(1,1596)	1:29:B:SER:HB2	1:68:B:GLU:HG3	2	0.91
(1,1507)	1:60:A:GLU:HG3	1:64:A:ASN:HB3	18	0.91
(1,790)	1:81:B:LEU:HD11	1:82:B:THR:H	14	0.91
(1,790)	1:81:B:LEU:HD12	1:82:B:THR:H	14	0.91
(1,790)	1:81:B:LEU:HD13	1:82:B:THR:H	14	0.91
(1,492)	1:41:B:LEU:HD21	1:44:B:PHE:H	1	0.91
(1,492)	1:41:B:LEU:HD22	1:44:B:PHE:H	1	0.91
(1,492)	1:41:B:LEU:HD23	1:44:B:PHE:H	1	0.91
(1,227)	1:76:A:VAL:HA	1:72:B:GLN:HE22	17	0.91
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG2	7	0.9
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG3	7	0.9
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE2	17	0.9
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE3	17	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2170)	1:44:B:PHE:HA	1:44:B:PHE:HD2	6	0.9
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD11	7	0.9
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD12	7	0.9
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD13	7	0.9
(1,1638)	1:24:B:ASP:HB2	1:27:B:LYS:HB3	14	0.9
(1,1637)	1:24:A:ASP:HB2	1:27:A:LYS:HB3	5	0.9
(1,1610)	1:8:B:MET:HB2	1:9:B:GLU:HB2	8	0.9
(1,1609)	1:8:A:MET:HB2	1:9:A:GLU:HB2	18	0.9
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG11	12	0.9
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG12	12	0.9
(1,1604)	1:37:B:LEU:HA	1:78:B:VAL:HG13	12	0.9
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD11	9	0.9
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD12	9	0.9
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD13	9	0.9
(1,1574)	1:29:B:SER:HB3	1:31:B:LYS:HB3	13	0.9
(1,1508)	1:60:B:GLU:HG3	1:64:B:ASN:HB3	8	0.9
(1,1507)	1:60:A:GLU:HG3	1:64:A:ASN:HB3	12	0.9
(1,1507)	1:60:A:GLU:HG3	1:64:A:ASN:HB3	14	0.9
(1,790)	1:81:B:LEU:HD11	1:82:B:THR:H	17	0.9
(1,790)	1:81:B:LEU:HD12	1:82:B:THR:H	17	0.9
(1,790)	1:81:B:LEU:HD13	1:82:B:THR:H	17	0.9
(1,492)	1:41:B:LEU:HD21	1:44:B:PHE:H	2	0.9
(1,492)	1:41:B:LEU:HD22	1:44:B:PHE:H	2	0.9
(1,492)	1:41:B:LEU:HD23	1:44:B:PHE:H	2	0.9
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB1	9	0.89
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB2	9	0.89
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB3	9	0.89
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB1	9	0.89
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB2	9	0.89
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB3	9	0.89
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB1	9	0.89
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB2	9	0.89
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB3	9	0.89
(1,2169)	1:44:A:PHE:HA	1:44:A:PHE:HD2	11	0.89
(1,2125)	1:21:A:LYS:HD2	1:32:A:GLU:HB2	13	0.89
(1,2125)	1:21:A:LYS:HD3	1:32:A:GLU:HB2	13	0.89
(1,1715)	1:41:A:LEU:HD21	1:8:B:MET:HG2	3	0.89
(1,1715)	1:41:A:LEU:HD22	1:8:B:MET:HG2	3	0.89
(1,1715)	1:41:A:LEU:HD23	1:8:B:MET:HG2	3	0.89
(1,1715)	1:41:A:LEU:HD21	1:8:B:MET:HG2	5	0.89
(1,1715)	1:41:A:LEU:HD22	1:8:B:MET:HG2	5	0.89
(1,1715)	1:41:A:LEU:HD23	1:8:B:MET:HG2	5	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1715)	1:41:A:LEU:HD21	1:8:B:MET:HG2	6	0.89
(1,1715)	1:41:A:LEU:HD22	1:8:B:MET:HG2	6	0.89
(1,1715)	1:41:A:LEU:HD23	1:8:B:MET:HG2	6	0.89
(1,1637)	1:24:A:ASP:HB2	1:27:A:LYS:HB3	20	0.89
(1,1610)	1:8:B:MET:HB2	1:9:B:GLU:HB2	9	0.89
(1,1610)	1:8:B:MET:HB2	1:9:B:GLU:HB2	14	0.89
(1,1558)	1:34:B:LYS:HG3	1:62:B:ASP:HA	9	0.89
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE2	15	0.89
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE3	15	0.89
(1,790)	1:81:B:LEU:HD11	1:82:B:THR:H	2	0.89
(1,790)	1:81:B:LEU:HD12	1:82:B:THR:H	2	0.89
(1,790)	1:81:B:LEU:HD13	1:82:B:THR:H	2	0.89
(1,790)	1:81:B:LEU:HD11	1:82:B:THR:H	10	0.89
(1,790)	1:81:B:LEU:HD12	1:82:B:THR:H	10	0.89
(1,790)	1:81:B:LEU:HD13	1:82:B:THR:H	10	0.89
(1,789)	1:81:A:LEU:HD11	1:82:A:THR:H	7	0.89
(1,789)	1:81:A:LEU:HD12	1:82:A:THR:H	7	0.89
(1,789)	1:81:A:LEU:HD13	1:82:A:THR:H	7	0.89
(1,789)	1:81:A:LEU:HD11	1:82:A:THR:H	17	0.89
(1,789)	1:81:A:LEU:HD12	1:82:A:THR:H	17	0.89
(1,789)	1:81:A:LEU:HD13	1:82:A:THR:H	17	0.89
(1,491)	1:41:A:LEU:HD21	1:44:A:PHE:H	7	0.89
(1,491)	1:41:A:LEU:HD22	1:44:A:PHE:H	7	0.89
(1,491)	1:41:A:LEU:HD23	1:44:A:PHE:H	7	0.89
(1,491)	1:41:A:LEU:HD21	1:44:A:PHE:H	14	0.89
(1,491)	1:41:A:LEU:HD22	1:44:A:PHE:H	14	0.89
(1,491)	1:41:A:LEU:HD23	1:44:A:PHE:H	14	0.89
(1,491)	1:41:A:LEU:HD21	1:44:A:PHE:H	19	0.89
(1,491)	1:41:A:LEU:HD22	1:44:A:PHE:H	19	0.89
(1,491)	1:41:A:LEU:HD23	1:44:A:PHE:H	19	0.89
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG2	6	0.88
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG3	6	0.88
(1,2467)	1:8:A:MET:HB3	1:44:B:PHE:HE1	12	0.88
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD11	17	0.88
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD12	17	0.88
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD13	17	0.88
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB1	5	0.88
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB2	5	0.88
(1,2205)	1:81:A:LEU:HD11	1:84:A:ALA:HB3	5	0.88
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB1	5	0.88
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB2	5	0.88
(1,2205)	1:81:A:LEU:HD12	1:84:A:ALA:HB3	5	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB1	5	0.88
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB2	5	0.88
(1,2205)	1:81:A:LEU:HD13	1:84:A:ALA:HB3	5	0.88
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE2	5	0.88
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE3	5	0.88
(1,2170)	1:44:B:PHE:HA	1:44:B:PHE:HD2	3	0.88
(1,2170)	1:44:B:PHE:HA	1:44:B:PHE:HD2	13	0.88
(1,2170)	1:44:B:PHE:HA	1:44:B:PHE:HD2	18	0.88
(1,2170)	1:44:B:PHE:HA	1:44:B:PHE:HD2	20	0.88
(1,2169)	1:44:A:PHE:HA	1:44:A:PHE:HD2	1	0.88
(1,2169)	1:44:A:PHE:HA	1:44:A:PHE:HD2	2	0.88
(1,2169)	1:44:A:PHE:HA	1:44:A:PHE:HD2	14	0.88
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD21	10	0.88
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD22	10	0.88
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD23	10	0.88
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD11	2	0.88
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD12	2	0.88
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD13	2	0.88
(1,1715)	1:41:A:LEU:HD21	1:8:B:MET:HG2	4	0.88
(1,1715)	1:41:A:LEU:HD22	1:8:B:MET:HG2	4	0.88
(1,1715)	1:41:A:LEU:HD23	1:8:B:MET:HG2	4	0.88
(1,1715)	1:41:A:LEU:HD21	1:8:B:MET:HG2	12	0.88
(1,1715)	1:41:A:LEU:HD22	1:8:B:MET:HG2	12	0.88
(1,1715)	1:41:A:LEU:HD23	1:8:B:MET:HG2	12	0.88
(1,1609)	1:8:A:MET:HB2	1:9:A:GLU:HB2	10	0.88
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD11	5	0.88
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD12	5	0.88
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD13	5	0.88
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD11	17	0.88
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD12	17	0.88
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD13	17	0.88
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD11	16	0.88
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD12	16	0.88
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD13	16	0.88
(1,1574)	1:29:B:SER:HB3	1:31:B:LYS:HB3	10	0.88
(1,1574)	1:29:B:SER:HB3	1:31:B:LYS:HB3	12	0.88
(1,790)	1:81:B:LEU:HD11	1:82:B:THR:H	9	0.88
(1,790)	1:81:B:LEU:HD12	1:82:B:THR:H	9	0.88
(1,790)	1:81:B:LEU:HD13	1:82:B:THR:H	9	0.88
(1,227)	1:76:A:VAL:HA	1:72:B:GLN:HE22	4	0.88
(1,2170)	1:44:B:PHE:HA	1:44:B:PHE:HD2	8	0.87
(1,2169)	1:44:A:PHE:HA	1:44:A:PHE:HD2	8	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2125)	1:21:A:LYS:HD2	1:32:A:GLU:HB2	11	0.87
(1,2125)	1:21:A:LYS:HD3	1:32:A:GLU:HB2	11	0.87
(1,2125)	1:21:A:LYS:HD2	1:32:A:GLU:HB2	14	0.87
(1,2125)	1:21:A:LYS:HD3	1:32:A:GLU:HB2	14	0.87
(1,2120)	1:21:B:LYS:HD2	1:32:B:GLU:HG2	18	0.87
(1,2120)	1:21:B:LYS:HD3	1:32:B:GLU:HG2	18	0.87
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD21	2	0.87
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD22	2	0.87
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD23	2	0.87
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD21	7	0.87
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD22	7	0.87
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD23	7	0.87
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD21	4	0.87
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD22	4	0.87
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD23	4	0.87
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD21	5	0.87
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD22	5	0.87
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD23	5	0.87
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD21	9	0.87
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD22	9	0.87
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD23	9	0.87
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD21	10	0.87
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD22	10	0.87
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD23	10	0.87
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD21	16	0.87
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD22	16	0.87
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD23	16	0.87
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD21	17	0.87
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD22	17	0.87
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD23	17	0.87
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD11	11	0.87
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD12	11	0.87
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD13	11	0.87
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD11	8	0.87
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD12	8	0.87
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD13	8	0.87
(1,1782)	1:21:B:LYS:HG3	1:32:B:GLU:HB3	17	0.87
(1,1742)	1:8:A:MET:HE1	1:44:B:PHE:HZ	2	0.87
(1,1742)	1:8:A:MET:HE2	1:44:B:PHE:HZ	2	0.87
(1,1742)	1:8:A:MET:HE3	1:44:B:PHE:HZ	2	0.87
(1,1742)	1:8:A:MET:HE1	1:44:B:PHE:HZ	11	0.87
(1,1742)	1:8:A:MET:HE2	1:44:B:PHE:HZ	11	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1742)	1:8:A:MET:HE3	1:44:B:PHE:HZ	11	0.87
(1,1742)	1:8:A:MET:HE1	1:44:B:PHE:HZ	19	0.87
(1,1742)	1:8:A:MET:HE2	1:44:B:PHE:HZ	19	0.87
(1,1742)	1:8:A:MET:HE3	1:44:B:PHE:HZ	19	0.87
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD21	8	0.87
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD22	8	0.87
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD23	8	0.87
(1,1715)	1:41:A:LEU:HD21	1:8:B:MET:HG2	20	0.87
(1,1715)	1:41:A:LEU:HD22	1:8:B:MET:HG2	20	0.87
(1,1715)	1:41:A:LEU:HD23	1:8:B:MET:HG2	20	0.87
(1,1639)	1:29:A:SER:HB2	1:31:A:LYS:HB3	14	0.87
(1,1638)	1:24:B:ASP:HB2	1:27:B:LYS:HB3	15	0.87
(1,1573)	1:29:A:SER:HB3	1:31:A:LYS:HB3	9	0.87
(1,1558)	1:34:B:LYS:HG3	1:62:B:ASP:HA	8	0.87
(1,789)	1:81:A:LEU:HD11	1:82:A:THR:H	4	0.87
(1,789)	1:81:A:LEU:HD12	1:82:A:THR:H	4	0.87
(1,789)	1:81:A:LEU:HD13	1:82:A:THR:H	4	0.87
(1,2170)	1:44:B:PHE:HA	1:44:B:PHE:HD2	1	0.86
(1,2170)	1:44:B:PHE:HA	1:44:B:PHE:HD2	16	0.86
(1,2170)	1:44:B:PHE:HA	1:44:B:PHE:HD2	17	0.86
(1,2169)	1:44:A:PHE:HA	1:44:A:PHE:HD2	7	0.86
(1,2169)	1:44:A:PHE:HA	1:44:A:PHE:HD2	10	0.86
(1,2169)	1:44:A:PHE:HA	1:44:A:PHE:HD2	12	0.86
(1,2169)	1:44:A:PHE:HA	1:44:A:PHE:HD2	16	0.86
(1,2120)	1:21:B:LYS:HD2	1:32:B:GLU:HG2	6	0.86
(1,2120)	1:21:B:LYS:HD3	1:32:B:GLU:HG2	6	0.86
(1,2119)	1:21:A:LYS:HD2	1:32:A:GLU:HG2	14	0.86
(1,2119)	1:21:A:LYS:HD3	1:32:A:GLU:HG2	14	0.86
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD21	1	0.86
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD22	1	0.86
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD23	1	0.86
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD21	4	0.86
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD22	4	0.86
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD23	4	0.86
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD21	9	0.86
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD22	9	0.86
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD23	9	0.86
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD21	13	0.86
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD22	13	0.86
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD23	13	0.86
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD21	14	0.86
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD22	14	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD23	14	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD21	1	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD22	1	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD23	1	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD21	2	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD22	2	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD23	2	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD21	3	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD22	3	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD23	3	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD21	7	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD22	7	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD23	7	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD21	13	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD22	13	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD23	13	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD21	15	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD22	15	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD23	15	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD21	20	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD22	20	0.86
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD23	20	0.86
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD11	4	0.86
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD12	4	0.86
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD13	4	0.86
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD11	1	0.86
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD12	1	0.86
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD13	1	0.86
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD11	16	0.86
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD12	16	0.86
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD13	16	0.86
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD11	18	0.86
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD12	18	0.86
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD13	18	0.86
(1,1574)	1:29:B:SER:HB3	1:31:B:LYS:HB3	14	0.86
(1,1574)	1:29:B:SER:HB3	1:31:B:LYS:HB3	15	0.86
(1,1558)	1:34:B:LYS:HG3	1:62:B:ASP:HA	10	0.86
(1,1558)	1:34:B:LYS:HG3	1:62:B:ASP:HA	17	0.86
(1,1557)	1:34:A:LYS:HG3	1:62:A:ASP:HA	11	0.86
(1,1422)	1:31:B:LYS:HB2	1:32:B:GLU:HB2	18	0.86
(1,790)	1:81:B:LEU:HD11	1:82:B:THR:H	3	0.86
(1,790)	1:81:B:LEU:HD12	1:82:B:THR:H	3	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,790)	1:81:B:LEU:HD13	1:82:B:THR:H	3	0.86
(1,790)	1:81:B:LEU:HD11	1:82:B:THR:H	6	0.86
(1,790)	1:81:B:LEU:HD12	1:82:B:THR:H	6	0.86
(1,790)	1:81:B:LEU:HD13	1:82:B:THR:H	6	0.86
(1,790)	1:81:B:LEU:HD11	1:82:B:THR:H	19	0.86
(1,790)	1:81:B:LEU:HD12	1:82:B:THR:H	19	0.86
(1,790)	1:81:B:LEU:HD13	1:82:B:THR:H	19	0.86
(1,789)	1:81:A:LEU:HD11	1:82:A:THR:H	2	0.86
(1,789)	1:81:A:LEU:HD12	1:82:A:THR:H	2	0.86
(1,789)	1:81:A:LEU:HD13	1:82:A:THR:H	2	0.86
(1,789)	1:81:A:LEU:HD11	1:82:A:THR:H	14	0.86
(1,789)	1:81:A:LEU:HD12	1:82:A:THR:H	14	0.86
(1,789)	1:81:A:LEU:HD13	1:82:A:THR:H	14	0.86
(1,789)	1:81:A:LEU:HD11	1:82:A:THR:H	20	0.86
(1,789)	1:81:A:LEU:HD12	1:82:A:THR:H	20	0.86
(1,789)	1:81:A:LEU:HD13	1:82:A:THR:H	20	0.86
(1,492)	1:41:B:LEU:HD21	1:44:B:PHE:H	11	0.86
(1,492)	1:41:B:LEU:HD22	1:44:B:PHE:H	11	0.86
(1,492)	1:41:B:LEU:HD23	1:44:B:PHE:H	11	0.86
(1,491)	1:41:A:LEU:HD21	1:44:A:PHE:H	8	0.86
(1,491)	1:41:A:LEU:HD22	1:44:A:PHE:H	8	0.86
(1,491)	1:41:A:LEU:HD23	1:44:A:PHE:H	8	0.86
(1,491)	1:41:A:LEU:HD21	1:44:A:PHE:H	13	0.86
(1,491)	1:41:A:LEU:HD22	1:44:A:PHE:H	13	0.86
(1,491)	1:41:A:LEU:HD23	1:44:A:PHE:H	13	0.86
(1,282)	1:72:A:GLN:H	1:80:B:ALA:HA	16	0.86
(1,282)	1:72:A:GLN:H	1:80:B:ALA:HA	17	0.86
(1,2170)	1:44:B:PHE:HA	1:44:B:PHE:HD2	7	0.85
(1,2169)	1:44:A:PHE:HA	1:44:A:PHE:HD2	9	0.85
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD21	17	0.85
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD22	17	0.85
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD23	17	0.85
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD21	20	0.85
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD22	20	0.85
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD23	20	0.85
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD11	18	0.85
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD12	18	0.85
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD13	18	0.85
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD11	20	0.85
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD12	20	0.85
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD13	20	0.85
(1,1981)	1:45:A:LEU:HB2	1:46:A:ASP:HB3	2	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD11	1	0.85
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD12	1	0.85
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD13	1	0.85
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD11	7	0.85
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD12	7	0.85
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD13	7	0.85
(1,1610)	1:8:B:MET:HB2	1:9:B:GLU:HB2	20	0.85
(1,1573)	1:29:A:SER:HB3	1:31:A:LYS:HB3	17	0.85
(1,1422)	1:31:B:LYS:HB2	1:32:B:GLU:HB2	8	0.85
(1,1422)	1:31:B:LYS:HB2	1:32:B:GLU:HB2	14	0.85
(1,1422)	1:31:B:LYS:HB2	1:32:B:GLU:HB2	15	0.85
(1,1421)	1:31:A:LYS:HB2	1:32:A:GLU:HB2	8	0.85
(1,1421)	1:31:A:LYS:HB2	1:32:A:GLU:HB2	15	0.85
(1,789)	1:81:A:LEU:HD11	1:82:A:THR:H	3	0.85
(1,789)	1:81:A:LEU:HD12	1:82:A:THR:H	3	0.85
(1,789)	1:81:A:LEU:HD13	1:82:A:THR:H	3	0.85
(1,789)	1:81:A:LEU:HD11	1:82:A:THR:H	5	0.85
(1,789)	1:81:A:LEU:HD12	1:82:A:THR:H	5	0.85
(1,789)	1:81:A:LEU:HD13	1:82:A:THR:H	5	0.85
(1,789)	1:81:A:LEU:HD11	1:82:A:THR:H	19	0.85
(1,789)	1:81:A:LEU:HD12	1:82:A:THR:H	19	0.85
(1,789)	1:81:A:LEU:HD13	1:82:A:THR:H	19	0.85
(1,749)	1:60:A:GLU:HG3	1:64:A:ASN:HD22	6	0.85
(1,491)	1:41:A:LEU:HD21	1:44:A:PHE:H	18	0.85
(1,491)	1:41:A:LEU:HD22	1:44:A:PHE:H	18	0.85
(1,491)	1:41:A:LEU:HD23	1:44:A:PHE:H	18	0.85
(1,282)	1:72:A:GLN:H	1:80:B:ALA:HA	18	0.85
(1,281)	1:80:A:ALA:HA	1:72:B:GLN:H	16	0.85
(1,2170)	1:44:B:PHE:HA	1:44:B:PHE:HD2	9	0.84
(1,2170)	1:44:B:PHE:HA	1:44:B:PHE:HD2	12	0.84
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD21	6	0.84
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD22	6	0.84
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD23	6	0.84
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD11	10	0.84
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD12	10	0.84
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD13	10	0.84
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD11	5	0.84
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD12	5	0.84
(1,1865)	1:9:A:GLU:HG2	1:12:A:ILE:HD13	5	0.84
(1,1742)	1:8:A:MET:HE1	1:44:B:PHE:HZ	4	0.84
(1,1742)	1:8:A:MET:HE2	1:44:B:PHE:HZ	4	0.84
(1,1742)	1:8:A:MET:HE3	1:44:B:PHE:HZ	4	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1640)	1:29:B:SER:HB2	1:31:B:LYS:HB3	5	0.84
(1,1638)	1:24:B:ASP:HB2	1:27:B:LYS:HB3	3	0.84
(1,1609)	1:8:A:MET:HB2	1:9:A:GLU:HB2	4	0.84
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD11	11	0.84
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD12	11	0.84
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD13	11	0.84
(1,1573)	1:29:A:SER:HB3	1:31:A:LYS:HB3	14	0.84
(1,1557)	1:34:A:LYS:HG3	1:62:A:ASP:HA	10	0.84
(1,1508)	1:60:B:GLU:HG3	1:64:B:ASN:HB3	7	0.84
(1,1508)	1:60:B:GLU:HG3	1:64:B:ASN:HB3	15	0.84
(1,1422)	1:31:B:LYS:HB2	1:32:B:GLU:HB2	4	0.84
(1,1422)	1:31:B:LYS:HB2	1:32:B:GLU:HB2	9	0.84
(1,1422)	1:31:B:LYS:HB2	1:32:B:GLU:HB2	12	0.84
(1,1422)	1:31:B:LYS:HB2	1:32:B:GLU:HB2	16	0.84
(1,1422)	1:31:B:LYS:HB2	1:32:B:GLU:HB2	19	0.84
(1,1421)	1:31:A:LYS:HB2	1:32:A:GLU:HB2	10	0.84
(1,1421)	1:31:A:LYS:HB2	1:32:A:GLU:HB2	11	0.84
(1,790)	1:81:B:LEU:HD11	1:82:B:THR:H	1	0.84
(1,790)	1:81:B:LEU:HD12	1:82:B:THR:H	1	0.84
(1,790)	1:81:B:LEU:HD13	1:82:B:THR:H	1	0.84
(1,790)	1:81:B:LEU:HD11	1:82:B:THR:H	7	0.84
(1,790)	1:81:B:LEU:HD12	1:82:B:THR:H	7	0.84
(1,790)	1:81:B:LEU:HD13	1:82:B:THR:H	7	0.84
(1,789)	1:81:A:LEU:HD11	1:82:A:THR:H	9	0.84
(1,789)	1:81:A:LEU:HD12	1:82:A:THR:H	9	0.84
(1,789)	1:81:A:LEU:HD13	1:82:A:THR:H	9	0.84
(1,789)	1:81:A:LEU:HD11	1:82:A:THR:H	13	0.84
(1,789)	1:81:A:LEU:HD12	1:82:A:THR:H	13	0.84
(1,789)	1:81:A:LEU:HD13	1:82:A:THR:H	13	0.84
(1,750)	1:60:B:GLU:HG3	1:64:B:ASN:HD22	17	0.84
(1,492)	1:41:B:LEU:HD21	1:44:B:PHE:H	9	0.84
(1,492)	1:41:B:LEU:HD22	1:44:B:PHE:H	9	0.84
(1,492)	1:41:B:LEU:HD23	1:44:B:PHE:H	9	0.84
(1,102)	1:41:B:LEU:HD21	1:43:B:GLY:H	8	0.84
(1,102)	1:41:B:LEU:HD22	1:43:B:GLY:H	8	0.84
(1,102)	1:41:B:LEU:HD23	1:43:B:GLY:H	8	0.84
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE2	16	0.83
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE3	16	0.83
(1,2170)	1:44:B:PHE:HA	1:44:B:PHE:HD2	11	0.83
(1,2170)	1:44:B:PHE:HA	1:44:B:PHE:HD2	15	0.83
(1,2120)	1:21:B:LYS:HD2	1:32:B:GLU:HG2	14	0.83
(1,2120)	1:21:B:LYS:HD3	1:32:B:GLU:HG2	14	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD21	6	0.83
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD22	6	0.83
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD23	6	0.83
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD21	18	0.83
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD22	18	0.83
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD23	18	0.83
(1,1981)	1:45:A:LEU:HB2	1:46:A:ASP:HB3	17	0.83
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE1	6	0.83
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE2	6	0.83
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE3	6	0.83
(1,1715)	1:41:A:LEU:HD21	1:8:B:MET:HG2	18	0.83
(1,1715)	1:41:A:LEU:HD22	1:8:B:MET:HG2	18	0.83
(1,1715)	1:41:A:LEU:HD23	1:8:B:MET:HG2	18	0.83
(1,1639)	1:29:A:SER:HB2	1:31:A:LYS:HB3	6	0.83
(1,1609)	1:8:A:MET:HB2	1:9:A:GLU:HB2	7	0.83
(1,1574)	1:29:B:SER:HB3	1:31:B:LYS:HB3	2	0.83
(1,1574)	1:29:B:SER:HB3	1:31:B:LYS:HB3	17	0.83
(1,1558)	1:34:B:LYS:HG3	1:62:B:ASP:HA	19	0.83
(1,1508)	1:60:B:GLU:HG3	1:64:B:ASN:HB3	20	0.83
(1,1507)	1:60:A:GLU:HG3	1:64:A:ASN:HB3	8	0.83
(1,1507)	1:60:A:GLU:HG3	1:64:A:ASN:HB3	9	0.83
(1,1422)	1:31:B:LYS:HB2	1:32:B:GLU:HB2	1	0.83
(1,1422)	1:31:B:LYS:HB2	1:32:B:GLU:HB2	3	0.83
(1,1422)	1:31:B:LYS:HB2	1:32:B:GLU:HB2	13	0.83
(1,1421)	1:31:A:LYS:HB2	1:32:A:GLU:HB2	1	0.83
(1,1421)	1:31:A:LYS:HB2	1:32:A:GLU:HB2	5	0.83
(1,1421)	1:31:A:LYS:HB2	1:32:A:GLU:HB2	9	0.83
(1,1370)	1:91:B:GLU:H	1:91:B:GLU:HB3	19	0.83
(1,790)	1:81:B:LEU:HD11	1:82:B:THR:H	11	0.83
(1,790)	1:81:B:LEU:HD12	1:82:B:THR:H	11	0.83
(1,790)	1:81:B:LEU:HD13	1:82:B:THR:H	11	0.83
(1,790)	1:81:B:LEU:HD11	1:82:B:THR:H	13	0.83
(1,790)	1:81:B:LEU:HD12	1:82:B:THR:H	13	0.83
(1,790)	1:81:B:LEU:HD13	1:82:B:THR:H	13	0.83
(1,790)	1:81:B:LEU:HD11	1:82:B:THR:H	15	0.83
(1,790)	1:81:B:LEU:HD12	1:82:B:THR:H	15	0.83
(1,790)	1:81:B:LEU:HD13	1:82:B:THR:H	15	0.83
(1,790)	1:81:B:LEU:HD11	1:82:B:THR:H	18	0.83
(1,790)	1:81:B:LEU:HD12	1:82:B:THR:H	18	0.83
(1,790)	1:81:B:LEU:HD13	1:82:B:THR:H	18	0.83
(1,491)	1:41:A:LEU:HD21	1:44:A:PHE:H	1	0.83
(1,491)	1:41:A:LEU:HD22	1:44:A:PHE:H	1	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,491)	1:41:A:LEU:HD23	1:44:A:PHE:H	1	0.83
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE2	4	0.82
(1,2337)	1:53:A:ALA:HA	1:56:A:LYS:HE3	4	0.82
(1,2170)	1:44:B:PHE:HA	1:44:B:PHE:HD2	2	0.82
(1,2169)	1:44:A:PHE:HA	1:44:A:PHE:HD2	20	0.82
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD21	19	0.82
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD22	19	0.82
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD23	19	0.82
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD11	5	0.82
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD12	5	0.82
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD13	5	0.82
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD11	16	0.82
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD12	16	0.82
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD13	16	0.82
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD11	2	0.82
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD12	2	0.82
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD13	2	0.82
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD11	19	0.82
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD12	19	0.82
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD13	19	0.82
(1,1810)	1:41:B:LEU:HD11	1:44:B:PHE:HE1	14	0.82
(1,1810)	1:41:B:LEU:HD12	1:44:B:PHE:HE1	14	0.82
(1,1810)	1:41:B:LEU:HD13	1:44:B:PHE:HE1	14	0.82
(1,1809)	1:41:A:LEU:HD11	1:44:A:PHE:HE1	13	0.82
(1,1809)	1:41:A:LEU:HD12	1:44:A:PHE:HE1	13	0.82
(1,1809)	1:41:A:LEU:HD13	1:44:A:PHE:HE1	13	0.82
(1,1742)	1:8:A:MET:HE1	1:44:B:PHE:HZ	9	0.82
(1,1742)	1:8:A:MET:HE2	1:44:B:PHE:HZ	9	0.82
(1,1742)	1:8:A:MET:HE3	1:44:B:PHE:HZ	9	0.82
(1,1742)	1:8:A:MET:HE1	1:44:B:PHE:HZ	17	0.82
(1,1742)	1:8:A:MET:HE2	1:44:B:PHE:HZ	17	0.82
(1,1742)	1:8:A:MET:HE3	1:44:B:PHE:HZ	17	0.82
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD21	17	0.82
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD22	17	0.82
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD23	17	0.82
(1,1715)	1:41:A:LEU:HD21	1:8:B:MET:HG2	8	0.82
(1,1715)	1:41:A:LEU:HD22	1:8:B:MET:HG2	8	0.82
(1,1715)	1:41:A:LEU:HD23	1:8:B:MET:HG2	8	0.82
(1,1558)	1:34:B:LYS:HG3	1:62:B:ASP:HA	1	0.82
(1,1557)	1:34:A:LYS:HG3	1:62:A:ASP:HA	7	0.82
(1,1507)	1:60:A:GLU:HG3	1:64:A:ASN:HB3	15	0.82
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD21	8	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD22	8	0.82
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD23	8	0.82
(1,1422)	1:31:B:LYS:HB2	1:32:B:GLU:HB2	7	0.82
(1,1421)	1:31:A:LYS:HB2	1:32:A:GLU:HB2	20	0.82
(1,789)	1:81:A:LEU:HD11	1:82:A:THR:H	10	0.82
(1,789)	1:81:A:LEU:HD12	1:82:A:THR:H	10	0.82
(1,789)	1:81:A:LEU:HD13	1:82:A:THR:H	10	0.82
(1,492)	1:41:B:LEU:HD21	1:44:B:PHE:H	4	0.82
(1,492)	1:41:B:LEU:HD22	1:44:B:PHE:H	4	0.82
(1,492)	1:41:B:LEU:HD23	1:44:B:PHE:H	4	0.82
(1,491)	1:41:A:LEU:HD21	1:44:A:PHE:H	10	0.82
(1,491)	1:41:A:LEU:HD22	1:44:A:PHE:H	10	0.82
(1,491)	1:41:A:LEU:HD23	1:44:A:PHE:H	10	0.82
(1,282)	1:72:A:GLN:H	1:80:B:ALA:HA	2	0.82
(1,282)	1:72:A:GLN:H	1:80:B:ALA:HA	9	0.82
(1,282)	1:72:A:GLN:H	1:80:B:ALA:HA	20	0.82
(1,102)	1:41:B:LEU:HD21	1:43:B:GLY:H	12	0.82
(1,102)	1:41:B:LEU:HD22	1:43:B:GLY:H	12	0.82
(1,102)	1:41:B:LEU:HD23	1:43:B:GLY:H	12	0.82
(1,2170)	1:44:B:PHE:HA	1:44:B:PHE:HD2	14	0.81
(1,2169)	1:44:A:PHE:HA	1:44:A:PHE:HD2	3	0.81
(1,2126)	1:21:B:LYS:HD2	1:32:B:GLU:HB2	6	0.81
(1,2126)	1:21:B:LYS:HD3	1:32:B:GLU:HB2	6	0.81
(1,2120)	1:21:B:LYS:HD2	1:32:B:GLU:HG2	7	0.81
(1,2120)	1:21:B:LYS:HD3	1:32:B:GLU:HG2	7	0.81
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD21	8	0.81
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD22	8	0.81
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD23	8	0.81
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD21	14	0.81
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD22	14	0.81
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD23	14	0.81
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD11	10	0.81
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD12	10	0.81
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD13	10	0.81
(1,1810)	1:41:B:LEU:HD11	1:44:B:PHE:HE1	12	0.81
(1,1810)	1:41:B:LEU:HD12	1:44:B:PHE:HE1	12	0.81
(1,1810)	1:41:B:LEU:HD13	1:44:B:PHE:HE1	12	0.81
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE1	1	0.81
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE2	1	0.81
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE3	1	0.81
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE1	2	0.81
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE2	2	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE3	2	0.81
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD21	11	0.81
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD22	11	0.81
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD23	11	0.81
(1,1715)	1:41:A:LEU:HD21	1:8:B:MET:HG2	2	0.81
(1,1715)	1:41:A:LEU:HD22	1:8:B:MET:HG2	2	0.81
(1,1715)	1:41:A:LEU:HD23	1:8:B:MET:HG2	2	0.81
(1,1715)	1:41:A:LEU:HD21	1:8:B:MET:HG2	14	0.81
(1,1715)	1:41:A:LEU:HD22	1:8:B:MET:HG2	14	0.81
(1,1715)	1:41:A:LEU:HD23	1:8:B:MET:HG2	14	0.81
(1,1638)	1:24:B:ASP:HB2	1:27:B:LYS:HB3	11	0.81
(1,1637)	1:24:A:ASP:HB2	1:27:A:LYS:HB3	1	0.81
(1,1637)	1:24:A:ASP:HB2	1:27:A:LYS:HB3	13	0.81
(1,1637)	1:24:A:ASP:HB2	1:27:A:LYS:HB3	17	0.81
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD11	4	0.81
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD12	4	0.81
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD13	4	0.81
(1,1573)	1:29:A:SER:HB3	1:31:A:LYS:HB3	13	0.81
(1,1507)	1:60:A:GLU:HG3	1:64:A:ASN:HB3	2	0.81
(1,1507)	1:60:A:GLU:HG3	1:64:A:ASN:HB3	3	0.81
(1,1507)	1:60:A:GLU:HG3	1:64:A:ASN:HB3	5	0.81
(1,1421)	1:31:A:LYS:HB2	1:32:A:GLU:HB2	3	0.81
(1,1421)	1:31:A:LYS:HB2	1:32:A:GLU:HB2	7	0.81
(1,790)	1:81:B:LEU:HD11	1:82:B:THR:H	8	0.81
(1,790)	1:81:B:LEU:HD12	1:82:B:THR:H	8	0.81
(1,790)	1:81:B:LEU:HD13	1:82:B:THR:H	8	0.81
(1,789)	1:81:A:LEU:HD11	1:82:A:THR:H	11	0.81
(1,789)	1:81:A:LEU:HD12	1:82:A:THR:H	11	0.81
(1,789)	1:81:A:LEU:HD13	1:82:A:THR:H	11	0.81
(1,749)	1:60:A:GLU:HG3	1:64:A:ASN:HD22	16	0.81
(1,469)	1:41:A:LEU:HD21	1:42:A:SER:H	19	0.81
(1,469)	1:41:A:LEU:HD22	1:42:A:SER:H	19	0.81
(1,469)	1:41:A:LEU:HD23	1:42:A:SER:H	19	0.81
(1,282)	1:72:A:GLN:H	1:80:B:ALA:HA	4	0.81
(1,2170)	1:44:B:PHE:HA	1:44:B:PHE:HD2	19	0.8
(1,2169)	1:44:A:PHE:HA	1:44:A:PHE:HD2	19	0.8
(1,2125)	1:21:A:LYS:HD2	1:32:A:GLU:HB2	6	0.8
(1,2125)	1:21:A:LYS:HD3	1:32:A:GLU:HB2	6	0.8
(1,1810)	1:41:B:LEU:HD11	1:44:B:PHE:HE1	2	0.8
(1,1810)	1:41:B:LEU:HD12	1:44:B:PHE:HE1	2	0.8
(1,1810)	1:41:B:LEU:HD13	1:44:B:PHE:HE1	2	0.8
(1,1810)	1:41:B:LEU:HD11	1:44:B:PHE:HE1	4	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1810)	1:41:B:LEU:HD12	1:44:B:PHE:HE1	4	0.8
(1,1810)	1:41:B:LEU:HD13	1:44:B:PHE:HE1	4	0.8
(1,1810)	1:41:B:LEU:HD11	1:44:B:PHE:HE1	9	0.8
(1,1810)	1:41:B:LEU:HD12	1:44:B:PHE:HE1	9	0.8
(1,1810)	1:41:B:LEU:HD13	1:44:B:PHE:HE1	9	0.8
(1,1810)	1:41:B:LEU:HD11	1:44:B:PHE:HE1	11	0.8
(1,1810)	1:41:B:LEU:HD12	1:44:B:PHE:HE1	11	0.8
(1,1810)	1:41:B:LEU:HD13	1:44:B:PHE:HE1	11	0.8
(1,1809)	1:41:A:LEU:HD11	1:44:A:PHE:HE1	2	0.8
(1,1809)	1:41:A:LEU:HD12	1:44:A:PHE:HE1	2	0.8
(1,1809)	1:41:A:LEU:HD13	1:44:A:PHE:HE1	2	0.8
(1,1809)	1:41:A:LEU:HD11	1:44:A:PHE:HE1	6	0.8
(1,1809)	1:41:A:LEU:HD12	1:44:A:PHE:HE1	6	0.8
(1,1809)	1:41:A:LEU:HD13	1:44:A:PHE:HE1	6	0.8
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD11	12	0.8
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD12	12	0.8
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD13	12	0.8
(1,1574)	1:29:B:SER:HB3	1:31:B:LYS:HB3	6	0.8
(1,1422)	1:31:B:LYS:HB2	1:32:B:GLU:HB2	10	0.8
(1,790)	1:81:B:LEU:HD11	1:82:B:THR:H	5	0.8
(1,790)	1:81:B:LEU:HD12	1:82:B:THR:H	5	0.8
(1,790)	1:81:B:LEU:HD13	1:82:B:THR:H	5	0.8
(1,790)	1:81:B:LEU:HD11	1:82:B:THR:H	12	0.8
(1,790)	1:81:B:LEU:HD12	1:82:B:THR:H	12	0.8
(1,790)	1:81:B:LEU:HD13	1:82:B:THR:H	12	0.8
(1,790)	1:81:B:LEU:HD11	1:82:B:THR:H	20	0.8
(1,790)	1:81:B:LEU:HD12	1:82:B:THR:H	20	0.8
(1,790)	1:81:B:LEU:HD13	1:82:B:THR:H	20	0.8
(1,789)	1:81:A:LEU:HD11	1:82:A:THR:H	1	0.8
(1,789)	1:81:A:LEU:HD12	1:82:A:THR:H	1	0.8
(1,789)	1:81:A:LEU:HD13	1:82:A:THR:H	1	0.8
(1,789)	1:81:A:LEU:HD11	1:82:A:THR:H	8	0.8
(1,789)	1:81:A:LEU:HD12	1:82:A:THR:H	8	0.8
(1,789)	1:81:A:LEU:HD13	1:82:A:THR:H	8	0.8
(1,492)	1:41:B:LEU:HD21	1:44:B:PHE:H	16	0.8
(1,492)	1:41:B:LEU:HD22	1:44:B:PHE:H	16	0.8
(1,492)	1:41:B:LEU:HD23	1:44:B:PHE:H	16	0.8
(1,470)	1:41:B:LEU:HD21	1:42:B:SER:H	7	0.8
(1,470)	1:41:B:LEU:HD22	1:42:B:SER:H	7	0.8
(1,470)	1:41:B:LEU:HD23	1:42:B:SER:H	7	0.8
(1,470)	1:41:B:LEU:HD21	1:42:B:SER:H	17	0.8
(1,470)	1:41:B:LEU:HD22	1:42:B:SER:H	17	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,470)	1:41:B:LEU:HD23	1:42:B:SER:H	17	0.8
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE2	10	0.79
(1,2199)	1:22:A:GLU:HB2	1:31:A:LYS:HE3	10	0.79
(1,2169)	1:44:A:PHE:HA	1:44:A:PHE:HD2	4	0.79
(1,2169)	1:44:A:PHE:HA	1:44:A:PHE:HD2	15	0.79
(1,2120)	1:21:B:LYS:HD2	1:32:B:GLU:HG2	4	0.79
(1,2120)	1:21:B:LYS:HD3	1:32:B:GLU:HG2	4	0.79
(1,1876)	1:51:B:VAL:HG11	1:52:B:ASP:HA	3	0.79
(1,1876)	1:51:B:VAL:HG12	1:52:B:ASP:HA	3	0.79
(1,1876)	1:51:B:VAL:HG13	1:52:B:ASP:HA	3	0.79
(1,1810)	1:41:B:LEU:HD11	1:44:B:PHE:HE1	1	0.79
(1,1810)	1:41:B:LEU:HD12	1:44:B:PHE:HE1	1	0.79
(1,1810)	1:41:B:LEU:HD13	1:44:B:PHE:HE1	1	0.79
(1,1809)	1:41:A:LEU:HD11	1:44:A:PHE:HE1	11	0.79
(1,1809)	1:41:A:LEU:HD12	1:44:A:PHE:HE1	11	0.79
(1,1809)	1:41:A:LEU:HD13	1:44:A:PHE:HE1	11	0.79
(1,1809)	1:41:A:LEU:HD11	1:44:A:PHE:HE1	12	0.79
(1,1809)	1:41:A:LEU:HD12	1:44:A:PHE:HE1	12	0.79
(1,1809)	1:41:A:LEU:HD13	1:44:A:PHE:HE1	12	0.79
(1,1809)	1:41:A:LEU:HD11	1:44:A:PHE:HE1	18	0.79
(1,1809)	1:41:A:LEU:HD12	1:44:A:PHE:HE1	18	0.79
(1,1809)	1:41:A:LEU:HD13	1:44:A:PHE:HE1	18	0.79
(1,1692)	1:29:B:SER:HA	1:68:B:GLU:HG3	20	0.79
(1,1691)	1:29:A:SER:HA	1:68:A:GLU:HG3	9	0.79
(1,1638)	1:24:B:ASP:HB2	1:27:B:LYS:HB3	8	0.79
(1,1574)	1:29:B:SER:HB3	1:31:B:LYS:HB3	11	0.79
(1,1573)	1:29:A:SER:HB3	1:31:A:LYS:HB3	16	0.79
(1,1421)	1:31:A:LYS:HB2	1:32:A:GLU:HB2	4	0.79
(1,789)	1:81:A:LEU:HD11	1:82:A:THR:H	6	0.79
(1,789)	1:81:A:LEU:HD12	1:82:A:THR:H	6	0.79
(1,789)	1:81:A:LEU:HD13	1:82:A:THR:H	6	0.79
(1,789)	1:81:A:LEU:HD11	1:82:A:THR:H	16	0.79
(1,789)	1:81:A:LEU:HD12	1:82:A:THR:H	16	0.79
(1,789)	1:81:A:LEU:HD13	1:82:A:THR:H	16	0.79
(1,760)	1:60:B:GLU:HG3	1:64:B:ASN:HD21	9	0.79
(1,491)	1:41:A:LEU:HD21	1:44:A:PHE:H	2	0.79
(1,491)	1:41:A:LEU:HD22	1:44:A:PHE:H	2	0.79
(1,491)	1:41:A:LEU:HD23	1:44:A:PHE:H	2	0.79
(1,470)	1:41:B:LEU:HD21	1:42:B:SER:H	10	0.79
(1,470)	1:41:B:LEU:HD22	1:42:B:SER:H	10	0.79
(1,470)	1:41:B:LEU:HD23	1:42:B:SER:H	10	0.79
(1,282)	1:72:A:GLN:H	1:80:B:ALA:HA	5	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,282)	1:72:A:GLN:H	1:80:B:ALA:HA	7	0.79
(1,282)	1:72:A:GLN:H	1:80:B:ALA:HA	14	0.79
(1,281)	1:80:A:ALA:HA	1:72:B:GLN:H	6	0.79
(1,281)	1:80:A:ALA:HA	1:72:B:GLN:H	7	0.79
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD11	5	0.78
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD12	5	0.78
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD13	5	0.78
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE2	12	0.78
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE3	12	0.78
(1,1981)	1:45:A:LEU:HB2	1:46:A:ASP:HB3	18	0.78
(1,1875)	1:51:A:VAL:HG11	1:52:A:ASP:HA	1	0.78
(1,1875)	1:51:A:VAL:HG12	1:52:A:ASP:HA	1	0.78
(1,1875)	1:51:A:VAL:HG13	1:52:A:ASP:HA	1	0.78
(1,1875)	1:51:A:VAL:HG11	1:52:A:ASP:HA	6	0.78
(1,1875)	1:51:A:VAL:HG12	1:52:A:ASP:HA	6	0.78
(1,1875)	1:51:A:VAL:HG13	1:52:A:ASP:HA	6	0.78
(1,1875)	1:51:A:VAL:HG11	1:52:A:ASP:HA	14	0.78
(1,1875)	1:51:A:VAL:HG12	1:52:A:ASP:HA	14	0.78
(1,1875)	1:51:A:VAL:HG13	1:52:A:ASP:HA	14	0.78
(1,1809)	1:41:A:LEU:HD11	1:44:A:PHE:HE1	1	0.78
(1,1809)	1:41:A:LEU:HD12	1:44:A:PHE:HE1	1	0.78
(1,1809)	1:41:A:LEU:HD13	1:44:A:PHE:HE1	1	0.78
(1,1742)	1:8:A:MET:HE1	1:44:B:PHE:HZ	6	0.78
(1,1742)	1:8:A:MET:HE2	1:44:B:PHE:HZ	6	0.78
(1,1742)	1:8:A:MET:HE3	1:44:B:PHE:HZ	6	0.78
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD11	14	0.78
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD12	14	0.78
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD13	14	0.78
(1,1574)	1:29:B:SER:HB3	1:31:B:LYS:HB3	3	0.78
(1,1573)	1:29:A:SER:HB3	1:31:A:LYS:HB3	19	0.78
(1,1558)	1:34:B:LYS:HG3	1:62:B:ASP:HA	11	0.78
(1,1558)	1:34:B:LYS:HG3	1:62:B:ASP:HA	18	0.78
(1,789)	1:81:A:LEU:HD11	1:82:A:THR:H	12	0.78
(1,789)	1:81:A:LEU:HD12	1:82:A:THR:H	12	0.78
(1,789)	1:81:A:LEU:HD13	1:82:A:THR:H	12	0.78
(1,789)	1:81:A:LEU:HD11	1:82:A:THR:H	15	0.78
(1,789)	1:81:A:LEU:HD12	1:82:A:THR:H	15	0.78
(1,789)	1:81:A:LEU:HD13	1:82:A:THR:H	15	0.78
(1,789)	1:81:A:LEU:HD11	1:82:A:THR:H	18	0.78
(1,789)	1:81:A:LEU:HD12	1:82:A:THR:H	18	0.78
(1,789)	1:81:A:LEU:HD13	1:82:A:THR:H	18	0.78
(1,492)	1:41:B:LEU:HD21	1:44:B:PHE:H	17	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,492)	1:41:B:LEU:HD22	1:44:B:PHE:H	17	0.78
(1,492)	1:41:B:LEU:HD23	1:44:B:PHE:H	17	0.78
(1,470)	1:41:B:LEU:HD21	1:42:B:SER:H	2	0.78
(1,470)	1:41:B:LEU:HD22	1:42:B:SER:H	2	0.78
(1,470)	1:41:B:LEU:HD23	1:42:B:SER:H	2	0.78
(1,282)	1:72:A:GLN:H	1:80:B:ALA:HA	12	0.78
(1,282)	1:72:A:GLN:H	1:80:B:ALA:HA	13	0.78
(1,281)	1:80:A:ALA:HA	1:72:B:GLN:H	14	0.78
(1,227)	1:76:A:VAL:HA	1:72:B:GLN:HE22	15	0.78
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD11	2	0.77
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD12	2	0.77
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD13	2	0.77
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD11	13	0.77
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD12	13	0.77
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD13	13	0.77
(1,2126)	1:21:B:LYS:HD2	1:32:B:GLU:HB2	10	0.77
(1,2126)	1:21:B:LYS:HD3	1:32:B:GLU:HB2	10	0.77
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD21	15	0.77
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD22	15	0.77
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD23	15	0.77
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD21	16	0.77
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD22	16	0.77
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD23	16	0.77
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD11	1	0.77
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD12	1	0.77
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD13	1	0.77
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD11	17	0.77
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD12	17	0.77
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD13	17	0.77
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB1	9	0.77
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB2	9	0.77
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB3	9	0.77
(1,1875)	1:51:A:VAL:HG11	1:52:A:ASP:HA	8	0.77
(1,1875)	1:51:A:VAL:HG12	1:52:A:ASP:HA	8	0.77
(1,1875)	1:51:A:VAL:HG13	1:52:A:ASP:HA	8	0.77
(1,1875)	1:51:A:VAL:HG11	1:52:A:ASP:HA	12	0.77
(1,1875)	1:51:A:VAL:HG12	1:52:A:ASP:HA	12	0.77
(1,1875)	1:51:A:VAL:HG13	1:52:A:ASP:HA	12	0.77
(1,1875)	1:51:A:VAL:HG11	1:52:A:ASP:HA	17	0.77
(1,1875)	1:51:A:VAL:HG12	1:52:A:ASP:HA	17	0.77
(1,1875)	1:51:A:VAL:HG13	1:52:A:ASP:HA	17	0.77
(1,1742)	1:8:A:MET:HE1	1:44:B:PHE:HZ	1	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1742)	1:8:A:MET:HE2	1:44:B:PHE:HZ	1	0.77
(1,1742)	1:8:A:MET:HE3	1:44:B:PHE:HZ	1	0.77
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD21	5	0.77
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD22	5	0.77
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD23	5	0.77
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD21	10	0.77
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD22	10	0.77
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD23	10	0.77
(1,1715)	1:41:A:LEU:HD21	1:8:B:MET:HG2	9	0.77
(1,1715)	1:41:A:LEU:HD22	1:8:B:MET:HG2	9	0.77
(1,1715)	1:41:A:LEU:HD23	1:8:B:MET:HG2	9	0.77
(1,1715)	1:41:A:LEU:HD21	1:8:B:MET:HG2	17	0.77
(1,1715)	1:41:A:LEU:HD22	1:8:B:MET:HG2	17	0.77
(1,1715)	1:41:A:LEU:HD23	1:8:B:MET:HG2	17	0.77
(1,1692)	1:29:B:SER:HA	1:68:B:GLU:HG3	19	0.77
(1,1691)	1:29:A:SER:HA	1:68:A:GLU:HG3	1	0.77
(1,1691)	1:29:A:SER:HA	1:68:A:GLU:HG3	8	0.77
(1,1574)	1:29:B:SER:HB3	1:31:B:LYS:HB3	7	0.77
(1,1557)	1:34:A:LYS:HG3	1:62:A:ASP:HA	2	0.77
(1,1508)	1:60:B:GLU:HG3	1:64:B:ASN:HB3	3	0.77
(1,1508)	1:60:B:GLU:HG3	1:64:B:ASN:HB3	19	0.77
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG11	10	0.77
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG12	10	0.77
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG13	10	0.77
(1,1117)	1:6:A:THR:HG21	1:7:A:ALA:H	2	0.77
(1,1117)	1:6:A:THR:HG22	1:7:A:ALA:H	2	0.77
(1,1117)	1:6:A:THR:HG23	1:7:A:ALA:H	2	0.77
(1,651)	1:30:A:LYS:HB2	1:65:A:GLY:H	13	0.77
(1,651)	1:30:A:LYS:HB2	1:65:A:GLY:H	16	0.77
(1,651)	1:30:A:LYS:HB2	1:65:A:GLY:H	19	0.77
(1,470)	1:41:B:LEU:HD21	1:42:B:SER:H	6	0.77
(1,470)	1:41:B:LEU:HD22	1:42:B:SER:H	6	0.77
(1,470)	1:41:B:LEU:HD23	1:42:B:SER:H	6	0.77
(1,470)	1:41:B:LEU:HD21	1:42:B:SER:H	11	0.77
(1,470)	1:41:B:LEU:HD22	1:42:B:SER:H	11	0.77
(1,470)	1:41:B:LEU:HD23	1:42:B:SER:H	11	0.77
(1,470)	1:41:B:LEU:HD21	1:42:B:SER:H	13	0.77
(1,470)	1:41:B:LEU:HD22	1:42:B:SER:H	13	0.77
(1,470)	1:41:B:LEU:HD23	1:42:B:SER:H	13	0.77
(1,469)	1:41:A:LEU:HD21	1:42:A:SER:H	7	0.77
(1,469)	1:41:A:LEU:HD22	1:42:A:SER:H	7	0.77
(1,469)	1:41:A:LEU:HD23	1:42:A:SER:H	7	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,469)	1:41:A:LEU:HD21	1:42:A:SER:H	8	0.77
(1,469)	1:41:A:LEU:HD22	1:42:A:SER:H	8	0.77
(1,469)	1:41:A:LEU:HD23	1:42:A:SER:H	8	0.77
(1,469)	1:41:A:LEU:HD21	1:42:A:SER:H	13	0.77
(1,469)	1:41:A:LEU:HD22	1:42:A:SER:H	13	0.77
(1,469)	1:41:A:LEU:HD23	1:42:A:SER:H	13	0.77
(1,282)	1:72:A:GLN:H	1:80:B:ALA:HA	3	0.77
(1,282)	1:72:A:GLN:H	1:80:B:ALA:HA	6	0.77
(1,282)	1:72:A:GLN:H	1:80:B:ALA:HA	10	0.77
(1,282)	1:72:A:GLN:H	1:80:B:ALA:HA	11	0.77
(1,281)	1:80:A:ALA:HA	1:72:B:GLN:H	2	0.77
(1,281)	1:80:A:ALA:HA	1:72:B:GLN:H	9	0.77
(1,281)	1:80:A:ALA:HA	1:72:B:GLN:H	19	0.77
(1,2170)	1:44:B:PHE:HA	1:44:B:PHE:HD2	4	0.76
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD21	11	0.76
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD22	11	0.76
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD23	11	0.76
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD11	9	0.76
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD12	9	0.76
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD13	9	0.76
(1,1876)	1:51:B:VAL:HG11	1:52:B:ASP:HA	6	0.76
(1,1876)	1:51:B:VAL:HG12	1:52:B:ASP:HA	6	0.76
(1,1876)	1:51:B:VAL:HG13	1:52:B:ASP:HA	6	0.76
(1,1876)	1:51:B:VAL:HG11	1:52:B:ASP:HA	13	0.76
(1,1876)	1:51:B:VAL:HG12	1:52:B:ASP:HA	13	0.76
(1,1876)	1:51:B:VAL:HG13	1:52:B:ASP:HA	13	0.76
(1,1876)	1:51:B:VAL:HG11	1:52:B:ASP:HA	15	0.76
(1,1876)	1:51:B:VAL:HG12	1:52:B:ASP:HA	15	0.76
(1,1876)	1:51:B:VAL:HG13	1:52:B:ASP:HA	15	0.76
(1,1875)	1:51:A:VAL:HG11	1:52:A:ASP:HA	15	0.76
(1,1875)	1:51:A:VAL:HG12	1:52:A:ASP:HA	15	0.76
(1,1875)	1:51:A:VAL:HG13	1:52:A:ASP:HA	15	0.76
(1,1875)	1:51:A:VAL:HG11	1:52:A:ASP:HA	16	0.76
(1,1875)	1:51:A:VAL:HG12	1:52:A:ASP:HA	16	0.76
(1,1875)	1:51:A:VAL:HG13	1:52:A:ASP:HA	16	0.76
(1,1810)	1:41:B:LEU:HD11	1:44:B:PHE:HE1	17	0.76
(1,1810)	1:41:B:LEU:HD12	1:44:B:PHE:HE1	17	0.76
(1,1810)	1:41:B:LEU:HD13	1:44:B:PHE:HE1	17	0.76
(1,1809)	1:41:A:LEU:HD11	1:44:A:PHE:HE1	7	0.76
(1,1809)	1:41:A:LEU:HD12	1:44:A:PHE:HE1	7	0.76
(1,1809)	1:41:A:LEU:HD13	1:44:A:PHE:HE1	7	0.76
(1,1692)	1:29:B:SER:HA	1:68:B:GLU:HG3	12	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1691)	1:29:A:SER:HA	1:68:A:GLU:HG3	13	0.76
(1,1637)	1:24:A:ASP:HB2	1:27:A:LYS:HB3	10	0.76
(1,1508)	1:60:B:GLU:HG3	1:64:B:ASN:HB3	9	0.76
(1,1422)	1:31:B:LYS:HB2	1:32:B:GLU:HB2	2	0.76
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG11	5	0.76
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG12	5	0.76
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG13	5	0.76
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG11	5	0.76
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG12	5	0.76
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG13	5	0.76
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG11	15	0.76
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG12	15	0.76
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG13	15	0.76
(1,1118)	1:6:B:THR:HG21	1:7:B:ALA:H	10	0.76
(1,1118)	1:6:B:THR:HG22	1:7:B:ALA:H	10	0.76
(1,1118)	1:6:B:THR:HG23	1:7:B:ALA:H	10	0.76
(1,1117)	1:6:A:THR:HG21	1:7:A:ALA:H	10	0.76
(1,1117)	1:6:A:THR:HG22	1:7:A:ALA:H	10	0.76
(1,1117)	1:6:A:THR:HG23	1:7:A:ALA:H	10	0.76
(1,750)	1:60:B:GLU:HG3	1:64:B:ASN:HD22	6	0.76
(1,652)	1:30:B:LYS:HB2	1:65:B:GLY:H	6	0.76
(1,651)	1:30:A:LYS:HB2	1:65:A:GLY:H	2	0.76
(1,651)	1:30:A:LYS:HB2	1:65:A:GLY:H	6	0.76
(1,651)	1:30:A:LYS:HB2	1:65:A:GLY:H	17	0.76
(1,492)	1:41:B:LEU:HD21	1:44:B:PHE:H	10	0.76
(1,492)	1:41:B:LEU:HD22	1:44:B:PHE:H	10	0.76
(1,492)	1:41:B:LEU:HD23	1:44:B:PHE:H	10	0.76
(1,492)	1:41:B:LEU:HD21	1:44:B:PHE:H	14	0.76
(1,492)	1:41:B:LEU:HD22	1:44:B:PHE:H	14	0.76
(1,492)	1:41:B:LEU:HD23	1:44:B:PHE:H	14	0.76
(1,470)	1:41:B:LEU:HD21	1:42:B:SER:H	5	0.76
(1,470)	1:41:B:LEU:HD22	1:42:B:SER:H	5	0.76
(1,470)	1:41:B:LEU:HD23	1:42:B:SER:H	5	0.76
(1,470)	1:41:B:LEU:HD21	1:42:B:SER:H	9	0.76
(1,470)	1:41:B:LEU:HD22	1:42:B:SER:H	9	0.76
(1,470)	1:41:B:LEU:HD23	1:42:B:SER:H	9	0.76
(1,281)	1:80:A:ALA:HA	1:72:B:GLN:H	8	0.76
(1,281)	1:80:A:ALA:HA	1:72:B:GLN:H	13	0.76
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD11	2	0.75
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD12	2	0.75
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD13	2	0.75
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD11	12	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD12	12	0.75
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD13	12	0.75
(1,2170)	1:44:B:PHE:HA	1:44:B:PHE:HD2	10	0.75
(1,2169)	1:44:A:PHE:HA	1:44:A:PHE:HD2	17	0.75
(1,1876)	1:51:B:VAL:HG11	1:52:B:ASP:HA	1	0.75
(1,1876)	1:51:B:VAL:HG12	1:52:B:ASP:HA	1	0.75
(1,1876)	1:51:B:VAL:HG13	1:52:B:ASP:HA	1	0.75
(1,1876)	1:51:B:VAL:HG11	1:52:B:ASP:HA	2	0.75
(1,1876)	1:51:B:VAL:HG12	1:52:B:ASP:HA	2	0.75
(1,1876)	1:51:B:VAL:HG13	1:52:B:ASP:HA	2	0.75
(1,1876)	1:51:B:VAL:HG11	1:52:B:ASP:HA	9	0.75
(1,1876)	1:51:B:VAL:HG12	1:52:B:ASP:HA	9	0.75
(1,1876)	1:51:B:VAL:HG13	1:52:B:ASP:HA	9	0.75
(1,1876)	1:51:B:VAL:HG11	1:52:B:ASP:HA	16	0.75
(1,1876)	1:51:B:VAL:HG12	1:52:B:ASP:HA	16	0.75
(1,1876)	1:51:B:VAL:HG13	1:52:B:ASP:HA	16	0.75
(1,1876)	1:51:B:VAL:HG11	1:52:B:ASP:HA	17	0.75
(1,1876)	1:51:B:VAL:HG12	1:52:B:ASP:HA	17	0.75
(1,1876)	1:51:B:VAL:HG13	1:52:B:ASP:HA	17	0.75
(1,1875)	1:51:A:VAL:HG11	1:52:A:ASP:HA	4	0.75
(1,1875)	1:51:A:VAL:HG12	1:52:A:ASP:HA	4	0.75
(1,1875)	1:51:A:VAL:HG13	1:52:A:ASP:HA	4	0.75
(1,1875)	1:51:A:VAL:HG11	1:52:A:ASP:HA	7	0.75
(1,1875)	1:51:A:VAL:HG12	1:52:A:ASP:HA	7	0.75
(1,1875)	1:51:A:VAL:HG13	1:52:A:ASP:HA	7	0.75
(1,1875)	1:51:A:VAL:HG11	1:52:A:ASP:HA	9	0.75
(1,1875)	1:51:A:VAL:HG12	1:52:A:ASP:HA	9	0.75
(1,1875)	1:51:A:VAL:HG13	1:52:A:ASP:HA	9	0.75
(1,1875)	1:51:A:VAL:HG11	1:52:A:ASP:HA	11	0.75
(1,1875)	1:51:A:VAL:HG12	1:52:A:ASP:HA	11	0.75
(1,1875)	1:51:A:VAL:HG13	1:52:A:ASP:HA	11	0.75
(1,1875)	1:51:A:VAL:HG11	1:52:A:ASP:HA	13	0.75
(1,1875)	1:51:A:VAL:HG12	1:52:A:ASP:HA	13	0.75
(1,1875)	1:51:A:VAL:HG13	1:52:A:ASP:HA	13	0.75
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD11	10	0.75
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD12	10	0.75
(1,1866)	1:9:B:GLU:HG2	1:12:B:ILE:HD13	10	0.75
(1,1810)	1:41:B:LEU:HD11	1:44:B:PHE:HE1	8	0.75
(1,1810)	1:41:B:LEU:HD12	1:44:B:PHE:HE1	8	0.75
(1,1810)	1:41:B:LEU:HD13	1:44:B:PHE:HE1	8	0.75
(1,1810)	1:41:B:LEU:HD11	1:44:B:PHE:HE1	20	0.75
(1,1810)	1:41:B:LEU:HD12	1:44:B:PHE:HE1	20	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1810)	1:41:B:LEU:HD13	1:44:B:PHE:HE1	20	0.75
(1,1809)	1:41:A:LEU:HD11	1:44:A:PHE:HE1	4	0.75
(1,1809)	1:41:A:LEU:HD12	1:44:A:PHE:HE1	4	0.75
(1,1809)	1:41:A:LEU:HD13	1:44:A:PHE:HE1	4	0.75
(1,1809)	1:41:A:LEU:HD11	1:44:A:PHE:HE1	8	0.75
(1,1809)	1:41:A:LEU:HD12	1:44:A:PHE:HE1	8	0.75
(1,1809)	1:41:A:LEU:HD13	1:44:A:PHE:HE1	8	0.75
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE1	19	0.75
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE2	19	0.75
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE3	19	0.75
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD21	16	0.75
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD22	16	0.75
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD23	16	0.75
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD21	18	0.75
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD22	18	0.75
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD23	18	0.75
(1,1692)	1:29:B:SER:HA	1:68:B:GLU:HG3	11	0.75
(1,1691)	1:29:A:SER:HA	1:68:A:GLU:HG3	5	0.75
(1,1691)	1:29:A:SER:HA	1:68:A:GLU:HG3	17	0.75
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD11	19	0.75
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD12	19	0.75
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD13	19	0.75
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE2	4	0.75
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE3	4	0.75
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG11	3	0.75
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG12	3	0.75
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG13	3	0.75
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG11	7	0.75
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG12	7	0.75
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG13	7	0.75
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG11	17	0.75
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG12	17	0.75
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG13	17	0.75
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG11	20	0.75
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG12	20	0.75
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG13	20	0.75
(1,759)	1:60:A:GLU:HG3	1:64:A:ASN:HD21	15	0.75
(1,491)	1:41:A:LEU:HD21	1:44:A:PHE:H	20	0.75
(1,491)	1:41:A:LEU:HD22	1:44:A:PHE:H	20	0.75
(1,491)	1:41:A:LEU:HD23	1:44:A:PHE:H	20	0.75
(1,470)	1:41:B:LEU:HD21	1:42:B:SER:H	16	0.75
(1,470)	1:41:B:LEU:HD22	1:42:B:SER:H	16	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,470)	1:41:B:LEU:HD23	1:42:B:SER:H	16	0.75
(1,470)	1:41:B:LEU:HD21	1:42:B:SER:H	18	0.75
(1,470)	1:41:B:LEU:HD22	1:42:B:SER:H	18	0.75
(1,470)	1:41:B:LEU:HD23	1:42:B:SER:H	18	0.75
(1,469)	1:41:A:LEU:HD21	1:42:A:SER:H	1	0.75
(1,469)	1:41:A:LEU:HD22	1:42:A:SER:H	1	0.75
(1,469)	1:41:A:LEU:HD23	1:42:A:SER:H	1	0.75
(1,469)	1:41:A:LEU:HD21	1:42:A:SER:H	3	0.75
(1,469)	1:41:A:LEU:HD22	1:42:A:SER:H	3	0.75
(1,469)	1:41:A:LEU:HD23	1:42:A:SER:H	3	0.75
(1,469)	1:41:A:LEU:HD21	1:42:A:SER:H	4	0.75
(1,469)	1:41:A:LEU:HD22	1:42:A:SER:H	4	0.75
(1,469)	1:41:A:LEU:HD23	1:42:A:SER:H	4	0.75
(1,469)	1:41:A:LEU:HD21	1:42:A:SER:H	6	0.75
(1,469)	1:41:A:LEU:HD22	1:42:A:SER:H	6	0.75
(1,469)	1:41:A:LEU:HD23	1:42:A:SER:H	6	0.75
(1,282)	1:72:A:GLN:H	1:80:B:ALA:HA	1	0.75
(1,282)	1:72:A:GLN:H	1:80:B:ALA:HA	8	0.75
(1,281)	1:80:A:ALA:HA	1:72:B:GLN:H	10	0.75
(1,101)	1:41:A:LEU:HD21	1:43:A:GLY:H	11	0.75
(1,101)	1:41:A:LEU:HD22	1:43:A:GLY:H	11	0.75
(1,101)	1:41:A:LEU:HD23	1:43:A:GLY:H	11	0.75
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB1	20	0.74
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB2	20	0.74
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB3	20	0.74
(1,1876)	1:51:B:VAL:HG11	1:52:B:ASP:HA	8	0.74
(1,1876)	1:51:B:VAL:HG12	1:52:B:ASP:HA	8	0.74
(1,1876)	1:51:B:VAL:HG13	1:52:B:ASP:HA	8	0.74
(1,1876)	1:51:B:VAL:HG11	1:52:B:ASP:HA	10	0.74
(1,1876)	1:51:B:VAL:HG12	1:52:B:ASP:HA	10	0.74
(1,1876)	1:51:B:VAL:HG13	1:52:B:ASP:HA	10	0.74
(1,1876)	1:51:B:VAL:HG11	1:52:B:ASP:HA	12	0.74
(1,1876)	1:51:B:VAL:HG12	1:52:B:ASP:HA	12	0.74
(1,1876)	1:51:B:VAL:HG13	1:52:B:ASP:HA	12	0.74
(1,1876)	1:51:B:VAL:HG11	1:52:B:ASP:HA	14	0.74
(1,1876)	1:51:B:VAL:HG12	1:52:B:ASP:HA	14	0.74
(1,1876)	1:51:B:VAL:HG13	1:52:B:ASP:HA	14	0.74
(1,1875)	1:51:A:VAL:HG11	1:52:A:ASP:HA	3	0.74
(1,1875)	1:51:A:VAL:HG12	1:52:A:ASP:HA	3	0.74
(1,1875)	1:51:A:VAL:HG13	1:52:A:ASP:HA	3	0.74
(1,1875)	1:51:A:VAL:HG11	1:52:A:ASP:HA	10	0.74
(1,1875)	1:51:A:VAL:HG12	1:52:A:ASP:HA	10	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1875)	1:51:A:VAL:HG13	1:52:A:ASP:HA	10	0.74
(1,1875)	1:51:A:VAL:HG11	1:52:A:ASP:HA	19	0.74
(1,1875)	1:51:A:VAL:HG12	1:52:A:ASP:HA	19	0.74
(1,1875)	1:51:A:VAL:HG13	1:52:A:ASP:HA	19	0.74
(1,1809)	1:41:A:LEU:HD11	1:44:A:PHE:HE1	5	0.74
(1,1809)	1:41:A:LEU:HD12	1:44:A:PHE:HE1	5	0.74
(1,1809)	1:41:A:LEU:HD13	1:44:A:PHE:HE1	5	0.74
(1,1809)	1:41:A:LEU:HD11	1:44:A:PHE:HE1	10	0.74
(1,1809)	1:41:A:LEU:HD12	1:44:A:PHE:HE1	10	0.74
(1,1809)	1:41:A:LEU:HD13	1:44:A:PHE:HE1	10	0.74
(1,1809)	1:41:A:LEU:HD11	1:44:A:PHE:HE1	14	0.74
(1,1809)	1:41:A:LEU:HD12	1:44:A:PHE:HE1	14	0.74
(1,1809)	1:41:A:LEU:HD13	1:44:A:PHE:HE1	14	0.74
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD21	2	0.74
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD22	2	0.74
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD23	2	0.74
(1,1692)	1:29:B:SER:HA	1:68:B:GLU:HG3	14	0.74
(1,1692)	1:29:B:SER:HA	1:68:B:GLU:HG3	18	0.74
(1,1691)	1:29:A:SER:HA	1:68:A:GLU:HG3	7	0.74
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD11	2	0.74
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD12	2	0.74
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD13	2	0.74
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD11	3	0.74
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD12	3	0.74
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD13	3	0.74
(1,1574)	1:29:B:SER:HB3	1:31:B:LYS:HB3	5	0.74
(1,1421)	1:31:A:LYS:HB2	1:32:A:GLU:HB2	14	0.74
(1,1421)	1:31:A:LYS:HB2	1:32:A:GLU:HB2	18	0.74
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG11	7	0.74
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG12	7	0.74
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG13	7	0.74
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG11	11	0.74
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG12	11	0.74
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG13	11	0.74
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG11	9	0.74
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG12	9	0.74
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG13	9	0.74
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG11	14	0.74
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG12	14	0.74
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG13	14	0.74
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG11	16	0.74
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG12	16	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG13	16	0.74
(1,652)	1:30:B:LYS:HB2	1:65:B:GLY:H	11	0.74
(1,470)	1:41:B:LEU:HD21	1:42:B:SER:H	3	0.74
(1,470)	1:41:B:LEU:HD22	1:42:B:SER:H	3	0.74
(1,470)	1:41:B:LEU:HD23	1:42:B:SER:H	3	0.74
(1,470)	1:41:B:LEU:HD21	1:42:B:SER:H	14	0.74
(1,470)	1:41:B:LEU:HD22	1:42:B:SER:H	14	0.74
(1,470)	1:41:B:LEU:HD23	1:42:B:SER:H	14	0.74
(1,470)	1:41:B:LEU:HD21	1:42:B:SER:H	20	0.74
(1,470)	1:41:B:LEU:HD22	1:42:B:SER:H	20	0.74
(1,470)	1:41:B:LEU:HD23	1:42:B:SER:H	20	0.74
(1,469)	1:41:A:LEU:HD21	1:42:A:SER:H	12	0.74
(1,469)	1:41:A:LEU:HD22	1:42:A:SER:H	12	0.74
(1,469)	1:41:A:LEU:HD23	1:42:A:SER:H	12	0.74
(1,469)	1:41:A:LEU:HD21	1:42:A:SER:H	14	0.74
(1,469)	1:41:A:LEU:HD22	1:42:A:SER:H	14	0.74
(1,469)	1:41:A:LEU:HD23	1:42:A:SER:H	14	0.74
(1,469)	1:41:A:LEU:HD21	1:42:A:SER:H	17	0.74
(1,469)	1:41:A:LEU:HD22	1:42:A:SER:H	17	0.74
(1,469)	1:41:A:LEU:HD23	1:42:A:SER:H	17	0.74
(1,282)	1:72:A:GLN:H	1:80:B:ALA:HA	15	0.74
(1,281)	1:80:A:ALA:HA	1:72:B:GLN:H	1	0.74
(1,281)	1:80:A:ALA:HA	1:72:B:GLN:H	12	0.74
(1,281)	1:80:A:ALA:HA	1:72:B:GLN:H	15	0.74
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD11	7	0.73
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD12	7	0.73
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD13	7	0.73
(1,2126)	1:21:B:LYS:HD2	1:32:B:GLU:HB2	20	0.73
(1,2126)	1:21:B:LYS:HD3	1:32:B:GLU:HB2	20	0.73
(1,1876)	1:51:B:VAL:HG11	1:52:B:ASP:HA	4	0.73
(1,1876)	1:51:B:VAL:HG12	1:52:B:ASP:HA	4	0.73
(1,1876)	1:51:B:VAL:HG13	1:52:B:ASP:HA	4	0.73
(1,1876)	1:51:B:VAL:HG11	1:52:B:ASP:HA	5	0.73
(1,1876)	1:51:B:VAL:HG12	1:52:B:ASP:HA	5	0.73
(1,1876)	1:51:B:VAL:HG13	1:52:B:ASP:HA	5	0.73
(1,1876)	1:51:B:VAL:HG11	1:52:B:ASP:HA	18	0.73
(1,1876)	1:51:B:VAL:HG12	1:52:B:ASP:HA	18	0.73
(1,1876)	1:51:B:VAL:HG13	1:52:B:ASP:HA	18	0.73
(1,1876)	1:51:B:VAL:HG11	1:52:B:ASP:HA	19	0.73
(1,1876)	1:51:B:VAL:HG12	1:52:B:ASP:HA	19	0.73
(1,1876)	1:51:B:VAL:HG13	1:52:B:ASP:HA	19	0.73
(1,1875)	1:51:A:VAL:HG11	1:52:A:ASP:HA	2	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1875)	1:51:A:VAL:HG12	1:52:A:ASP:HA	2	0.73
(1,1875)	1:51:A:VAL:HG13	1:52:A:ASP:HA	2	0.73
(1,1875)	1:51:A:VAL:HG11	1:52:A:ASP:HA	5	0.73
(1,1875)	1:51:A:VAL:HG12	1:52:A:ASP:HA	5	0.73
(1,1875)	1:51:A:VAL:HG13	1:52:A:ASP:HA	5	0.73
(1,1875)	1:51:A:VAL:HG11	1:52:A:ASP:HA	18	0.73
(1,1875)	1:51:A:VAL:HG12	1:52:A:ASP:HA	18	0.73
(1,1875)	1:51:A:VAL:HG13	1:52:A:ASP:HA	18	0.73
(1,1875)	1:51:A:VAL:HG11	1:52:A:ASP:HA	20	0.73
(1,1875)	1:51:A:VAL:HG12	1:52:A:ASP:HA	20	0.73
(1,1875)	1:51:A:VAL:HG13	1:52:A:ASP:HA	20	0.73
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE1	10	0.73
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE2	10	0.73
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE3	10	0.73
(1,1692)	1:29:B:SER:HA	1:68:B:GLU:HG3	9	0.73
(1,1639)	1:29:A:SER:HB2	1:31:A:LYS:HB3	12	0.73
(1,1638)	1:24:B:ASP:HB2	1:27:B:LYS:HB3	20	0.73
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD11	2	0.73
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD12	2	0.73
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD13	2	0.73
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD11	11	0.73
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD12	11	0.73
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD13	11	0.73
(1,1507)	1:60:A:GLU:HG3	1:64:A:ASN:HB3	1	0.73
(1,1507)	1:60:A:GLU:HG3	1:64:A:ASN:HB3	11	0.73
(1,1421)	1:31:A:LYS:HB2	1:32:A:GLU:HB2	12	0.73
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG11	1	0.73
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG12	1	0.73
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG13	1	0.73
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG11	4	0.73
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG12	4	0.73
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG13	4	0.73
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG11	6	0.73
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG12	6	0.73
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG13	6	0.73
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG11	10	0.73
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG12	10	0.73
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG13	10	0.73
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG11	12	0.73
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG12	12	0.73
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG13	12	0.73
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG11	15	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG12	15	0.73
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG13	15	0.73
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG11	1	0.73
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG12	1	0.73
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG13	1	0.73
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG11	12	0.73
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG12	12	0.73
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG13	12	0.73
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG11	13	0.73
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG12	13	0.73
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG13	13	0.73
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG11	18	0.73
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG12	18	0.73
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG13	18	0.73
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG11	19	0.73
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG12	19	0.73
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG13	19	0.73
(1,1118)	1:6:B:THR:HG21	1:7:B:ALA:H	2	0.73
(1,1118)	1:6:B:THR:HG22	1:7:B:ALA:H	2	0.73
(1,1118)	1:6:B:THR:HG23	1:7:B:ALA:H	2	0.73
(1,1118)	1:6:B:THR:HG21	1:7:B:ALA:H	11	0.73
(1,1118)	1:6:B:THR:HG22	1:7:B:ALA:H	11	0.73
(1,1118)	1:6:B:THR:HG23	1:7:B:ALA:H	11	0.73
(1,1117)	1:6:A:THR:HG21	1:7:A:ALA:H	12	0.73
(1,1117)	1:6:A:THR:HG22	1:7:A:ALA:H	12	0.73
(1,1117)	1:6:A:THR:HG23	1:7:A:ALA:H	12	0.73
(1,652)	1:30:B:LYS:HB2	1:65:B:GLY:H	2	0.73
(1,470)	1:41:B:LEU:HD21	1:42:B:SER:H	4	0.73
(1,470)	1:41:B:LEU:HD22	1:42:B:SER:H	4	0.73
(1,470)	1:41:B:LEU:HD23	1:42:B:SER:H	4	0.73
(1,469)	1:41:A:LEU:HD21	1:42:A:SER:H	2	0.73
(1,469)	1:41:A:LEU:HD22	1:42:A:SER:H	2	0.73
(1,469)	1:41:A:LEU:HD23	1:42:A:SER:H	2	0.73
(1,469)	1:41:A:LEU:HD21	1:42:A:SER:H	5	0.73
(1,469)	1:41:A:LEU:HD22	1:42:A:SER:H	5	0.73
(1,469)	1:41:A:LEU:HD23	1:42:A:SER:H	5	0.73
(1,469)	1:41:A:LEU:HD21	1:42:A:SER:H	18	0.73
(1,469)	1:41:A:LEU:HD22	1:42:A:SER:H	18	0.73
(1,469)	1:41:A:LEU:HD23	1:42:A:SER:H	18	0.73
(1,281)	1:80:A:ALA:HA	1:72:B:GLN:H	4	0.73
(1,281)	1:80:A:ALA:HA	1:72:B:GLN:H	18	0.73
(1,2125)	1:21:A:LYS:HD2	1:32:A:GLU:HB2	2	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2125)	1:21:A:LYS:HD3	1:32:A:GLU:HB2	2	0.72
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD21	3	0.72
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD22	3	0.72
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD23	3	0.72
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD11	14	0.72
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD12	14	0.72
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD13	14	0.72
(1,1876)	1:51:B:VAL:HG11	1:52:B:ASP:HA	7	0.72
(1,1876)	1:51:B:VAL:HG12	1:52:B:ASP:HA	7	0.72
(1,1876)	1:51:B:VAL:HG13	1:52:B:ASP:HA	7	0.72
(1,1876)	1:51:B:VAL:HG11	1:52:B:ASP:HA	11	0.72
(1,1876)	1:51:B:VAL:HG12	1:52:B:ASP:HA	11	0.72
(1,1876)	1:51:B:VAL:HG13	1:52:B:ASP:HA	11	0.72
(1,1876)	1:51:B:VAL:HG11	1:52:B:ASP:HA	20	0.72
(1,1876)	1:51:B:VAL:HG12	1:52:B:ASP:HA	20	0.72
(1,1876)	1:51:B:VAL:HG13	1:52:B:ASP:HA	20	0.72
(1,1755)	1:29:A:SER:HA	1:68:A:GLU:HG2	3	0.72
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD21	9	0.72
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD22	9	0.72
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD23	9	0.72
(1,1692)	1:29:B:SER:HA	1:68:B:GLU:HG3	6	0.72
(1,1692)	1:29:B:SER:HA	1:68:B:GLU:HG3	10	0.72
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD11	18	0.72
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD12	18	0.72
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD13	18	0.72
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD11	17	0.72
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD12	17	0.72
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD13	17	0.72
(1,1573)	1:29:A:SER:HB3	1:31:A:LYS:HB3	4	0.72
(1,1422)	1:31:B:LYS:HB2	1:32:B:GLU:HB2	11	0.72
(1,1422)	1:31:B:LYS:HB2	1:32:B:GLU:HB2	17	0.72
(1,1421)	1:31:A:LYS:HB2	1:32:A:GLU:HB2	2	0.72
(1,1421)	1:31:A:LYS:HB2	1:32:A:GLU:HB2	19	0.72
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE2	19	0.72
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE3	19	0.72
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG11	2	0.72
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG12	2	0.72
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG13	2	0.72
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG11	9	0.72
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG12	9	0.72
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG13	9	0.72
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG11	13	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG12	13	0.72
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG13	13	0.72
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG11	20	0.72
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG12	20	0.72
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG13	20	0.72
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG11	2	0.72
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG12	2	0.72
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG13	2	0.72
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG11	4	0.72
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG12	4	0.72
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG13	4	0.72
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG11	6	0.72
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG12	6	0.72
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG13	6	0.72
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG11	8	0.72
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG12	8	0.72
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG13	8	0.72
(1,1118)	1:6:B:THR:HG21	1:7:B:ALA:H	5	0.72
(1,1118)	1:6:B:THR:HG22	1:7:B:ALA:H	5	0.72
(1,1118)	1:6:B:THR:HG23	1:7:B:ALA:H	5	0.72
(1,1118)	1:6:B:THR:HG21	1:7:B:ALA:H	6	0.72
(1,1118)	1:6:B:THR:HG22	1:7:B:ALA:H	6	0.72
(1,1118)	1:6:B:THR:HG23	1:7:B:ALA:H	6	0.72
(1,1118)	1:6:B:THR:HG21	1:7:B:ALA:H	8	0.72
(1,1118)	1:6:B:THR:HG22	1:7:B:ALA:H	8	0.72
(1,1118)	1:6:B:THR:HG23	1:7:B:ALA:H	8	0.72
(1,1118)	1:6:B:THR:HG21	1:7:B:ALA:H	13	0.72
(1,1118)	1:6:B:THR:HG22	1:7:B:ALA:H	13	0.72
(1,1118)	1:6:B:THR:HG23	1:7:B:ALA:H	13	0.72
(1,1118)	1:6:B:THR:HG21	1:7:B:ALA:H	19	0.72
(1,1118)	1:6:B:THR:HG22	1:7:B:ALA:H	19	0.72
(1,1118)	1:6:B:THR:HG23	1:7:B:ALA:H	19	0.72
(1,1117)	1:6:A:THR:HG21	1:7:A:ALA:H	8	0.72
(1,1117)	1:6:A:THR:HG22	1:7:A:ALA:H	8	0.72
(1,1117)	1:6:A:THR:HG23	1:7:A:ALA:H	8	0.72
(1,1117)	1:6:A:THR:HG21	1:7:A:ALA:H	11	0.72
(1,1117)	1:6:A:THR:HG22	1:7:A:ALA:H	11	0.72
(1,1117)	1:6:A:THR:HG23	1:7:A:ALA:H	11	0.72
(1,1117)	1:6:A:THR:HG21	1:7:A:ALA:H	14	0.72
(1,1117)	1:6:A:THR:HG22	1:7:A:ALA:H	14	0.72
(1,1117)	1:6:A:THR:HG23	1:7:A:ALA:H	14	0.72
(1,1117)	1:6:A:THR:HG21	1:7:A:ALA:H	18	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1117)	1:6:A:THR:HG22	1:7:A:ALA:H	18	0.72
(1,1117)	1:6:A:THR:HG23	1:7:A:ALA:H	18	0.72
(1,760)	1:60:B:GLU:HG3	1:64:B:ASN:HD21	19	0.72
(1,652)	1:30:B:LYS:HB2	1:65:B:GLY:H	17	0.72
(1,483)	1:39:A:THR:H	1:41:A:LEU:HB2	15	0.72
(1,470)	1:41:B:LEU:HD21	1:42:B:SER:H	1	0.72
(1,470)	1:41:B:LEU:HD22	1:42:B:SER:H	1	0.72
(1,470)	1:41:B:LEU:HD23	1:42:B:SER:H	1	0.72
(1,470)	1:41:B:LEU:HD21	1:42:B:SER:H	12	0.72
(1,470)	1:41:B:LEU:HD22	1:42:B:SER:H	12	0.72
(1,470)	1:41:B:LEU:HD23	1:42:B:SER:H	12	0.72
(1,469)	1:41:A:LEU:HD21	1:42:A:SER:H	9	0.72
(1,469)	1:41:A:LEU:HD22	1:42:A:SER:H	9	0.72
(1,469)	1:41:A:LEU:HD23	1:42:A:SER:H	9	0.72
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG2	4	0.71
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG3	4	0.71
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD21	19	0.71
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD22	19	0.71
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD23	19	0.71
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB1	13	0.71
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB2	13	0.71
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB3	13	0.71
(1,1809)	1:41:A:LEU:HD11	1:44:A:PHE:HE1	9	0.71
(1,1809)	1:41:A:LEU:HD12	1:44:A:PHE:HE1	9	0.71
(1,1809)	1:41:A:LEU:HD13	1:44:A:PHE:HE1	9	0.71
(1,1781)	1:21:A:LYS:HG3	1:32:A:GLU:HB3	5	0.71
(1,1756)	1:29:B:SER:HA	1:68:B:GLU:HG2	3	0.71
(1,1756)	1:29:B:SER:HA	1:68:B:GLU:HG2	7	0.71
(1,1742)	1:8:A:MET:HE1	1:44:B:PHE:HZ	3	0.71
(1,1742)	1:8:A:MET:HE2	1:44:B:PHE:HZ	3	0.71
(1,1742)	1:8:A:MET:HE3	1:44:B:PHE:HZ	3	0.71
(1,1691)	1:29:A:SER:HA	1:68:A:GLU:HG3	11	0.71
(1,1640)	1:29:B:SER:HB2	1:31:B:LYS:HB3	6	0.71
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD11	15	0.71
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD12	15	0.71
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD13	15	0.71
(1,1573)	1:29:A:SER:HB3	1:31:A:LYS:HB3	18	0.71
(1,1421)	1:31:A:LYS:HB2	1:32:A:GLU:HB2	13	0.71
(1,1421)	1:31:A:LYS:HB2	1:32:A:GLU:HB2	16	0.71
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG11	16	0.71
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG12	16	0.71
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG13	16	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG11	17	0.71
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG12	17	0.71
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG13	17	0.71
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG11	19	0.71
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG12	19	0.71
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG13	19	0.71
(1,1135)	1:78:A:VAL:HG21	1:79:A:ALA:H	11	0.71
(1,1135)	1:78:A:VAL:HG22	1:79:A:ALA:H	11	0.71
(1,1135)	1:78:A:VAL:HG23	1:79:A:ALA:H	11	0.71
(1,1118)	1:6:B:THR:HG21	1:7:B:ALA:H	3	0.71
(1,1118)	1:6:B:THR:HG22	1:7:B:ALA:H	3	0.71
(1,1118)	1:6:B:THR:HG23	1:7:B:ALA:H	3	0.71
(1,1118)	1:6:B:THR:HG21	1:7:B:ALA:H	14	0.71
(1,1118)	1:6:B:THR:HG22	1:7:B:ALA:H	14	0.71
(1,1118)	1:6:B:THR:HG23	1:7:B:ALA:H	14	0.71
(1,1117)	1:6:A:THR:HG21	1:7:A:ALA:H	1	0.71
(1,1117)	1:6:A:THR:HG22	1:7:A:ALA:H	1	0.71
(1,1117)	1:6:A:THR:HG23	1:7:A:ALA:H	1	0.71
(1,1117)	1:6:A:THR:HG21	1:7:A:ALA:H	3	0.71
(1,1117)	1:6:A:THR:HG22	1:7:A:ALA:H	3	0.71
(1,1117)	1:6:A:THR:HG23	1:7:A:ALA:H	3	0.71
(1,492)	1:41:B:LEU:HD21	1:44:B:PHE:H	6	0.71
(1,492)	1:41:B:LEU:HD22	1:44:B:PHE:H	6	0.71
(1,492)	1:41:B:LEU:HD23	1:44:B:PHE:H	6	0.71
(1,484)	1:39:B:THR:H	1:41:B:LEU:HB2	15	0.71
(1,484)	1:39:B:THR:H	1:41:B:LEU:HB2	19	0.71
(1,470)	1:41:B:LEU:HD21	1:42:B:SER:H	19	0.71
(1,470)	1:41:B:LEU:HD22	1:42:B:SER:H	19	0.71
(1,470)	1:41:B:LEU:HD23	1:42:B:SER:H	19	0.71
(1,469)	1:41:A:LEU:HD21	1:42:A:SER:H	10	0.71
(1,469)	1:41:A:LEU:HD22	1:42:A:SER:H	10	0.71
(1,469)	1:41:A:LEU:HD23	1:42:A:SER:H	10	0.71
(1,469)	1:41:A:LEU:HD21	1:42:A:SER:H	20	0.71
(1,469)	1:41:A:LEU:HD22	1:42:A:SER:H	20	0.71
(1,469)	1:41:A:LEU:HD23	1:42:A:SER:H	20	0.71
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG2	11	0.7
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG3	11	0.7
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD11	11	0.7
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD12	11	0.7
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD13	11	0.7
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE2	7	0.7
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE3	7	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2126)	1:21:B:LYS:HD2	1:32:B:GLU:HB2	4	0.7
(1,2126)	1:21:B:LYS:HD3	1:32:B:GLU:HB2	4	0.7
(1,1981)	1:45:A:LEU:HB2	1:46:A:ASP:HB3	7	0.7
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB1	15	0.7
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB2	15	0.7
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB3	15	0.7
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB1	19	0.7
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB2	19	0.7
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB3	19	0.7
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE1	3	0.7
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE2	3	0.7
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE3	3	0.7
(1,1715)	1:41:A:LEU:HD21	1:8:B:MET:HG2	11	0.7
(1,1715)	1:41:A:LEU:HD22	1:8:B:MET:HG2	11	0.7
(1,1715)	1:41:A:LEU:HD23	1:8:B:MET:HG2	11	0.7
(1,1715)	1:41:A:LEU:HD21	1:8:B:MET:HG2	13	0.7
(1,1715)	1:41:A:LEU:HD22	1:8:B:MET:HG2	13	0.7
(1,1715)	1:41:A:LEU:HD23	1:8:B:MET:HG2	13	0.7
(1,1692)	1:29:B:SER:HA	1:68:B:GLU:HG3	5	0.7
(1,1691)	1:29:A:SER:HA	1:68:A:GLU:HG3	4	0.7
(1,1557)	1:34:A:LYS:HG3	1:62:A:ASP:HA	19	0.7
(1,1508)	1:60:B:GLU:HG3	1:64:B:ASN:HB3	18	0.7
(1,1507)	1:60:A:GLU:HG3	1:64:A:ASN:HB3	17	0.7
(1,1421)	1:31:A:LYS:HB2	1:32:A:GLU:HB2	17	0.7
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG11	14	0.7
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG12	14	0.7
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG13	14	0.7
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG11	18	0.7
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG12	18	0.7
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG13	18	0.7
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG11	3	0.7
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG12	3	0.7
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG13	3	0.7
(1,1136)	1:78:B:VAL:HG21	1:79:B:ALA:H	8	0.7
(1,1136)	1:78:B:VAL:HG22	1:79:B:ALA:H	8	0.7
(1,1136)	1:78:B:VAL:HG23	1:79:B:ALA:H	8	0.7
(1,1118)	1:6:B:THR:HG21	1:7:B:ALA:H	1	0.7
(1,1118)	1:6:B:THR:HG22	1:7:B:ALA:H	1	0.7
(1,1118)	1:6:B:THR:HG23	1:7:B:ALA:H	1	0.7
(1,1118)	1:6:B:THR:HG21	1:7:B:ALA:H	17	0.7
(1,1118)	1:6:B:THR:HG22	1:7:B:ALA:H	17	0.7
(1,1118)	1:6:B:THR:HG23	1:7:B:ALA:H	17	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,760)	1:60:B:GLU:HG3	1:64:B:ASN:HD21	15	0.7
(1,749)	1:60:A:GLU:HG3	1:64:A:ASN:HD22	19	0.7
(1,652)	1:30:B:LYS:HB2	1:65:B:GLY:H	5	0.7
(1,491)	1:41:A:LEU:HD21	1:44:A:PHE:H	9	0.7
(1,491)	1:41:A:LEU:HD22	1:44:A:PHE:H	9	0.7
(1,491)	1:41:A:LEU:HD23	1:44:A:PHE:H	9	0.7
(1,282)	1:72:A:GLN:H	1:80:B:ALA:HA	19	0.7
(1,281)	1:80:A:ALA:HA	1:72:B:GLN:H	5	0.7
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG2	12	0.69
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG3	12	0.69
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD11	16	0.69
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD12	16	0.69
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD13	16	0.69
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD11	6	0.69
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD12	6	0.69
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD13	6	0.69
(1,2169)	1:44:A:PHE:HA	1:44:A:PHE:HD2	13	0.69
(1,1810)	1:41:B:LEU:HD11	1:44:B:PHE:HE1	18	0.69
(1,1810)	1:41:B:LEU:HD12	1:44:B:PHE:HE1	18	0.69
(1,1810)	1:41:B:LEU:HD13	1:44:B:PHE:HE1	18	0.69
(1,1755)	1:29:A:SER:HA	1:68:A:GLU:HG2	2	0.69
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE1	9	0.69
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE2	9	0.69
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE3	9	0.69
(1,1691)	1:29:A:SER:HA	1:68:A:GLU:HG3	14	0.69
(1,1620)	1:52:B:ASP:HB2	1:53:B:ALA:HA	17	0.69
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD11	7	0.69
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD12	7	0.69
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD13	7	0.69
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD11	10	0.69
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD12	10	0.69
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD13	10	0.69
(1,1573)	1:29:A:SER:HB3	1:31:A:LYS:HB3	12	0.69
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG11	8	0.69
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG12	8	0.69
(1,1344)	1:78:B:VAL:H	1:78:B:VAL:HG13	8	0.69
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG11	11	0.69
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG12	11	0.69
(1,1343)	1:78:A:VAL:H	1:78:A:VAL:HG13	11	0.69
(1,1136)	1:78:B:VAL:HG21	1:79:B:ALA:H	12	0.69
(1,1136)	1:78:B:VAL:HG22	1:79:B:ALA:H	12	0.69
(1,1136)	1:78:B:VAL:HG23	1:79:B:ALA:H	12	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1136)	1:78:B:VAL:HG21	1:79:B:ALA:H	16	0.69
(1,1136)	1:78:B:VAL:HG22	1:79:B:ALA:H	16	0.69
(1,1136)	1:78:B:VAL:HG23	1:79:B:ALA:H	16	0.69
(1,1136)	1:78:B:VAL:HG21	1:79:B:ALA:H	18	0.69
(1,1136)	1:78:B:VAL:HG22	1:79:B:ALA:H	18	0.69
(1,1136)	1:78:B:VAL:HG23	1:79:B:ALA:H	18	0.69
(1,1136)	1:78:B:VAL:HG21	1:79:B:ALA:H	19	0.69
(1,1136)	1:78:B:VAL:HG22	1:79:B:ALA:H	19	0.69
(1,1136)	1:78:B:VAL:HG23	1:79:B:ALA:H	19	0.69
(1,1118)	1:6:B:THR:HG21	1:7:B:ALA:H	4	0.69
(1,1118)	1:6:B:THR:HG22	1:7:B:ALA:H	4	0.69
(1,1118)	1:6:B:THR:HG23	1:7:B:ALA:H	4	0.69
(1,1118)	1:6:B:THR:HG21	1:7:B:ALA:H	15	0.69
(1,1118)	1:6:B:THR:HG22	1:7:B:ALA:H	15	0.69
(1,1118)	1:6:B:THR:HG23	1:7:B:ALA:H	15	0.69
(1,651)	1:30:A:LYS:HB2	1:65:A:GLY:H	12	0.69
(1,492)	1:41:B:LEU:HD21	1:44:B:PHE:H	7	0.69
(1,492)	1:41:B:LEU:HD22	1:44:B:PHE:H	7	0.69
(1,492)	1:41:B:LEU:HD23	1:44:B:PHE:H	7	0.69
(1,470)	1:41:B:LEU:HD21	1:42:B:SER:H	8	0.69
(1,470)	1:41:B:LEU:HD22	1:42:B:SER:H	8	0.69
(1,470)	1:41:B:LEU:HD23	1:42:B:SER:H	8	0.69
(1,470)	1:41:B:LEU:HD21	1:42:B:SER:H	15	0.69
(1,470)	1:41:B:LEU:HD22	1:42:B:SER:H	15	0.69
(1,470)	1:41:B:LEU:HD23	1:42:B:SER:H	15	0.69
(1,469)	1:41:A:LEU:HD21	1:42:A:SER:H	11	0.69
(1,469)	1:41:A:LEU:HD22	1:42:A:SER:H	11	0.69
(1,469)	1:41:A:LEU:HD23	1:42:A:SER:H	11	0.69
(1,469)	1:41:A:LEU:HD21	1:42:A:SER:H	15	0.69
(1,469)	1:41:A:LEU:HD22	1:42:A:SER:H	15	0.69
(1,469)	1:41:A:LEU:HD23	1:42:A:SER:H	15	0.69
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD11	13	0.68
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD12	13	0.68
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD13	13	0.68
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB1	1	0.68
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB2	1	0.68
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB3	1	0.68
(1,1809)	1:41:A:LEU:HD11	1:44:A:PHE:HE1	17	0.68
(1,1809)	1:41:A:LEU:HD12	1:44:A:PHE:HE1	17	0.68
(1,1809)	1:41:A:LEU:HD13	1:44:A:PHE:HE1	17	0.68
(1,1769)	1:21:A:LYS:HD2	1:32:A:GLU:HG3	3	0.68
(1,1769)	1:21:A:LYS:HD3	1:32:A:GLU:HG3	3	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1692)	1:29:B:SER:HA	1:68:B:GLU:HG3	8	0.68
(1,1691)	1:29:A:SER:HA	1:68:A:GLU:HG3	18	0.68
(1,1620)	1:52:B:ASP:HB2	1:53:B:ALA:HA	8	0.68
(1,1619)	1:52:A:ASP:HB2	1:53:A:ALA:HA	5	0.68
(1,1508)	1:60:B:GLU:HG3	1:64:B:ASN:HB3	4	0.68
(1,1507)	1:60:A:GLU:HG3	1:64:A:ASN:HB3	7	0.68
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD21	12	0.68
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD22	12	0.68
(1,1452)	1:8:A:MET:HB2	1:41:B:LEU:HD23	12	0.68
(1,1422)	1:31:B:LYS:HB2	1:32:B:GLU:HB2	6	0.68
(1,1421)	1:31:A:LYS:HB2	1:32:A:GLU:HB2	6	0.68
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE2	16	0.68
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE3	16	0.68
(1,1369)	1:91:A:GLU:H	1:91:A:GLU:HB3	17	0.68
(1,1136)	1:78:B:VAL:HG21	1:79:B:ALA:H	14	0.68
(1,1136)	1:78:B:VAL:HG22	1:79:B:ALA:H	14	0.68
(1,1136)	1:78:B:VAL:HG23	1:79:B:ALA:H	14	0.68
(1,1136)	1:78:B:VAL:HG21	1:79:B:ALA:H	17	0.68
(1,1136)	1:78:B:VAL:HG22	1:79:B:ALA:H	17	0.68
(1,1136)	1:78:B:VAL:HG23	1:79:B:ALA:H	17	0.68
(1,1135)	1:78:A:VAL:HG21	1:79:A:ALA:H	8	0.68
(1,1135)	1:78:A:VAL:HG22	1:79:A:ALA:H	8	0.68
(1,1135)	1:78:A:VAL:HG23	1:79:A:ALA:H	8	0.68
(1,1135)	1:78:A:VAL:HG21	1:79:A:ALA:H	12	0.68
(1,1135)	1:78:A:VAL:HG22	1:79:A:ALA:H	12	0.68
(1,1135)	1:78:A:VAL:HG23	1:79:A:ALA:H	12	0.68
(1,1118)	1:6:B:THR:HG21	1:7:B:ALA:H	12	0.68
(1,1118)	1:6:B:THR:HG22	1:7:B:ALA:H	12	0.68
(1,1118)	1:6:B:THR:HG23	1:7:B:ALA:H	12	0.68
(1,1118)	1:6:B:THR:HG21	1:7:B:ALA:H	16	0.68
(1,1118)	1:6:B:THR:HG22	1:7:B:ALA:H	16	0.68
(1,1118)	1:6:B:THR:HG23	1:7:B:ALA:H	16	0.68
(1,1118)	1:6:B:THR:HG21	1:7:B:ALA:H	18	0.68
(1,1118)	1:6:B:THR:HG22	1:7:B:ALA:H	18	0.68
(1,1118)	1:6:B:THR:HG23	1:7:B:ALA:H	18	0.68
(1,1117)	1:6:A:THR:HG21	1:7:A:ALA:H	4	0.68
(1,1117)	1:6:A:THR:HG22	1:7:A:ALA:H	4	0.68
(1,1117)	1:6:A:THR:HG23	1:7:A:ALA:H	4	0.68
(1,1117)	1:6:A:THR:HG21	1:7:A:ALA:H	5	0.68
(1,1117)	1:6:A:THR:HG22	1:7:A:ALA:H	5	0.68
(1,1117)	1:6:A:THR:HG23	1:7:A:ALA:H	5	0.68
(1,1117)	1:6:A:THR:HG21	1:7:A:ALA:H	6	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1117)	1:6:A:THR:HG22	1:7:A:ALA:H	6	0.68
(1,1117)	1:6:A:THR:HG23	1:7:A:ALA:H	6	0.68
(1,1117)	1:6:A:THR:HG21	1:7:A:ALA:H	15	0.68
(1,1117)	1:6:A:THR:HG22	1:7:A:ALA:H	15	0.68
(1,1117)	1:6:A:THR:HG23	1:7:A:ALA:H	15	0.68
(1,1117)	1:6:A:THR:HG21	1:7:A:ALA:H	16	0.68
(1,1117)	1:6:A:THR:HG22	1:7:A:ALA:H	16	0.68
(1,1117)	1:6:A:THR:HG23	1:7:A:ALA:H	16	0.68
(1,1117)	1:6:A:THR:HG21	1:7:A:ALA:H	17	0.68
(1,1117)	1:6:A:THR:HG22	1:7:A:ALA:H	17	0.68
(1,1117)	1:6:A:THR:HG23	1:7:A:ALA:H	17	0.68
(1,1117)	1:6:A:THR:HG21	1:7:A:ALA:H	19	0.68
(1,1117)	1:6:A:THR:HG22	1:7:A:ALA:H	19	0.68
(1,1117)	1:6:A:THR:HG23	1:7:A:ALA:H	19	0.68
(1,491)	1:41:A:LEU:HD21	1:44:A:PHE:H	5	0.68
(1,491)	1:41:A:LEU:HD22	1:44:A:PHE:H	5	0.68
(1,491)	1:41:A:LEU:HD23	1:44:A:PHE:H	5	0.68
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD11	10	0.67
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD12	10	0.67
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD13	10	0.67
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD11	19	0.67
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD12	19	0.67
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD13	19	0.67
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD11	20	0.67
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD12	20	0.67
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD13	20	0.67
(1,2169)	1:44:A:PHE:HA	1:44:A:PHE:HD2	6	0.67
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB1	17	0.67
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB2	17	0.67
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB3	17	0.67
(1,1810)	1:41:B:LEU:HD11	1:44:B:PHE:HE1	19	0.67
(1,1810)	1:41:B:LEU:HD12	1:44:B:PHE:HE1	19	0.67
(1,1810)	1:41:B:LEU:HD13	1:44:B:PHE:HE1	19	0.67
(1,1691)	1:29:A:SER:HA	1:68:A:GLU:HG3	15	0.67
(1,1620)	1:52:B:ASP:HB2	1:53:B:ALA:HA	9	0.67
(1,1619)	1:52:A:ASP:HB2	1:53:A:ALA:HA	8	0.67
(1,1619)	1:52:A:ASP:HB2	1:53:A:ALA:HA	12	0.67
(1,1619)	1:52:A:ASP:HB2	1:53:A:ALA:HA	14	0.67
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD11	14	0.67
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD12	14	0.67
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD13	14	0.67
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD11	15	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD12	15	0.67
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD13	15	0.67
(1,1573)	1:29:A:SER:HB3	1:31:A:LYS:HB3	5	0.67
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE2	4	0.67
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE3	4	0.67
(1,1136)	1:78:B:VAL:HG21	1:79:B:ALA:H	1	0.67
(1,1136)	1:78:B:VAL:HG22	1:79:B:ALA:H	1	0.67
(1,1136)	1:78:B:VAL:HG23	1:79:B:ALA:H	1	0.67
(1,1136)	1:78:B:VAL:HG21	1:79:B:ALA:H	5	0.67
(1,1136)	1:78:B:VAL:HG22	1:79:B:ALA:H	5	0.67
(1,1136)	1:78:B:VAL:HG23	1:79:B:ALA:H	5	0.67
(1,1136)	1:78:B:VAL:HG21	1:79:B:ALA:H	6	0.67
(1,1136)	1:78:B:VAL:HG22	1:79:B:ALA:H	6	0.67
(1,1136)	1:78:B:VAL:HG23	1:79:B:ALA:H	6	0.67
(1,1136)	1:78:B:VAL:HG21	1:79:B:ALA:H	13	0.67
(1,1136)	1:78:B:VAL:HG22	1:79:B:ALA:H	13	0.67
(1,1136)	1:78:B:VAL:HG23	1:79:B:ALA:H	13	0.67
(1,1136)	1:78:B:VAL:HG21	1:79:B:ALA:H	20	0.67
(1,1136)	1:78:B:VAL:HG22	1:79:B:ALA:H	20	0.67
(1,1136)	1:78:B:VAL:HG23	1:79:B:ALA:H	20	0.67
(1,1135)	1:78:A:VAL:HG21	1:79:A:ALA:H	1	0.67
(1,1135)	1:78:A:VAL:HG22	1:79:A:ALA:H	1	0.67
(1,1135)	1:78:A:VAL:HG23	1:79:A:ALA:H	1	0.67
(1,1135)	1:78:A:VAL:HG21	1:79:A:ALA:H	2	0.67
(1,1135)	1:78:A:VAL:HG22	1:79:A:ALA:H	2	0.67
(1,1135)	1:78:A:VAL:HG23	1:79:A:ALA:H	2	0.67
(1,1135)	1:78:A:VAL:HG21	1:79:A:ALA:H	3	0.67
(1,1135)	1:78:A:VAL:HG22	1:79:A:ALA:H	3	0.67
(1,1135)	1:78:A:VAL:HG23	1:79:A:ALA:H	3	0.67
(1,1135)	1:78:A:VAL:HG21	1:79:A:ALA:H	4	0.67
(1,1135)	1:78:A:VAL:HG22	1:79:A:ALA:H	4	0.67
(1,1135)	1:78:A:VAL:HG23	1:79:A:ALA:H	4	0.67
(1,1135)	1:78:A:VAL:HG21	1:79:A:ALA:H	6	0.67
(1,1135)	1:78:A:VAL:HG22	1:79:A:ALA:H	6	0.67
(1,1135)	1:78:A:VAL:HG23	1:79:A:ALA:H	6	0.67
(1,1117)	1:6:A:THR:HG21	1:7:A:ALA:H	9	0.67
(1,1117)	1:6:A:THR:HG22	1:7:A:ALA:H	9	0.67
(1,1117)	1:6:A:THR:HG23	1:7:A:ALA:H	9	0.67
(1,1117)	1:6:A:THR:HG21	1:7:A:ALA:H	13	0.67
(1,1117)	1:6:A:THR:HG22	1:7:A:ALA:H	13	0.67
(1,1117)	1:6:A:THR:HG23	1:7:A:ALA:H	13	0.67
(1,281)	1:80:A:ALA:HA	1:72:B:GLN:H	3	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,281)	1:80:A:ALA:HA	1:72:B:GLN:H	17	0.67
(1,2119)	1:21:A:LYS:HD2	1:32:A:GLU:HG2	9	0.66
(1,2119)	1:21:A:LYS:HD3	1:32:A:GLU:HG2	9	0.66
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD11	6	0.66
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD12	6	0.66
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD13	6	0.66
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB1	3	0.66
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB2	3	0.66
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB3	3	0.66
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE2	6	0.66
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE3	6	0.66
(1,1136)	1:78:B:VAL:HG21	1:79:B:ALA:H	2	0.66
(1,1136)	1:78:B:VAL:HG22	1:79:B:ALA:H	2	0.66
(1,1136)	1:78:B:VAL:HG23	1:79:B:ALA:H	2	0.66
(1,1136)	1:78:B:VAL:HG21	1:79:B:ALA:H	7	0.66
(1,1136)	1:78:B:VAL:HG22	1:79:B:ALA:H	7	0.66
(1,1136)	1:78:B:VAL:HG23	1:79:B:ALA:H	7	0.66
(1,1136)	1:78:B:VAL:HG21	1:79:B:ALA:H	10	0.66
(1,1136)	1:78:B:VAL:HG22	1:79:B:ALA:H	10	0.66
(1,1136)	1:78:B:VAL:HG23	1:79:B:ALA:H	10	0.66
(1,1136)	1:78:B:VAL:HG21	1:79:B:ALA:H	15	0.66
(1,1136)	1:78:B:VAL:HG22	1:79:B:ALA:H	15	0.66
(1,1136)	1:78:B:VAL:HG23	1:79:B:ALA:H	15	0.66
(1,1135)	1:78:A:VAL:HG21	1:79:A:ALA:H	13	0.66
(1,1135)	1:78:A:VAL:HG22	1:79:A:ALA:H	13	0.66
(1,1135)	1:78:A:VAL:HG23	1:79:A:ALA:H	13	0.66
(1,1135)	1:78:A:VAL:HG21	1:79:A:ALA:H	19	0.66
(1,1135)	1:78:A:VAL:HG22	1:79:A:ALA:H	19	0.66
(1,1135)	1:78:A:VAL:HG23	1:79:A:ALA:H	19	0.66
(1,1118)	1:6:B:THR:HG21	1:7:B:ALA:H	7	0.66
(1,1118)	1:6:B:THR:HG22	1:7:B:ALA:H	7	0.66
(1,1118)	1:6:B:THR:HG23	1:7:B:ALA:H	7	0.66
(1,492)	1:41:B:LEU:HD21	1:44:B:PHE:H	13	0.66
(1,492)	1:41:B:LEU:HD22	1:44:B:PHE:H	13	0.66
(1,492)	1:41:B:LEU:HD23	1:44:B:PHE:H	13	0.66
(1,281)	1:80:A:ALA:HA	1:72:B:GLN:H	20	0.66
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG2	11	0.65
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG3	11	0.65
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD11	14	0.65
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD12	14	0.65
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD13	14	0.65
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG21	12	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG22	12	0.65
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG23	12	0.65
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG21	12	0.65
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG22	12	0.65
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG23	12	0.65
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG21	12	0.65
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG22	12	0.65
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG23	12	0.65
(1,2119)	1:21:A:LYS:HD2	1:32:A:GLU:HG2	11	0.65
(1,2119)	1:21:A:LYS:HD3	1:32:A:GLU:HG2	11	0.65
(1,1620)	1:52:B:ASP:HB2	1:53:B:ALA:HA	12	0.65
(1,1619)	1:52:A:ASP:HB2	1:53:A:ALA:HA	4	0.65
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD11	12	0.65
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD12	12	0.65
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD13	12	0.65
(1,1573)	1:29:A:SER:HB3	1:31:A:LYS:HB3	10	0.65
(1,1558)	1:34:B:LYS:HG3	1:62:B:ASP:HA	14	0.65
(1,1422)	1:31:B:LYS:HB2	1:32:B:GLU:HB2	5	0.65
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE2	5	0.65
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE3	5	0.65
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD21	1	0.65
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD22	1	0.65
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD23	1	0.65
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD21	8	0.65
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD22	8	0.65
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD23	8	0.65
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD21	11	0.65
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD22	11	0.65
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD23	11	0.65
(1,1136)	1:78:B:VAL:HG21	1:79:B:ALA:H	9	0.65
(1,1136)	1:78:B:VAL:HG22	1:79:B:ALA:H	9	0.65
(1,1136)	1:78:B:VAL:HG23	1:79:B:ALA:H	9	0.65
(1,1136)	1:78:B:VAL:HG21	1:79:B:ALA:H	11	0.65
(1,1136)	1:78:B:VAL:HG22	1:79:B:ALA:H	11	0.65
(1,1136)	1:78:B:VAL:HG23	1:79:B:ALA:H	11	0.65
(1,1135)	1:78:A:VAL:HG21	1:79:A:ALA:H	5	0.65
(1,1135)	1:78:A:VAL:HG22	1:79:A:ALA:H	5	0.65
(1,1135)	1:78:A:VAL:HG23	1:79:A:ALA:H	5	0.65
(1,1135)	1:78:A:VAL:HG21	1:79:A:ALA:H	9	0.65
(1,1135)	1:78:A:VAL:HG22	1:79:A:ALA:H	9	0.65
(1,1135)	1:78:A:VAL:HG23	1:79:A:ALA:H	9	0.65
(1,1135)	1:78:A:VAL:HG21	1:79:A:ALA:H	14	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1135)	1:78:A:VAL:HG22	1:79:A:ALA:H	14	0.65
(1,1135)	1:78:A:VAL:HG23	1:79:A:ALA:H	14	0.65
(1,1135)	1:78:A:VAL:HG21	1:79:A:ALA:H	16	0.65
(1,1135)	1:78:A:VAL:HG22	1:79:A:ALA:H	16	0.65
(1,1135)	1:78:A:VAL:HG23	1:79:A:ALA:H	16	0.65
(1,1118)	1:6:B:THR:HG21	1:7:B:ALA:H	9	0.65
(1,1118)	1:6:B:THR:HG22	1:7:B:ALA:H	9	0.65
(1,1118)	1:6:B:THR:HG23	1:7:B:ALA:H	9	0.65
(1,2373)	1:4:A:LEU:HA	1:4:A:LEU:HD21	12	0.64
(1,2373)	1:4:A:LEU:HA	1:4:A:LEU:HD22	12	0.64
(1,2373)	1:4:A:LEU:HA	1:4:A:LEU:HD23	12	0.64
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD21	5	0.64
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD22	5	0.64
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD23	5	0.64
(1,1810)	1:41:B:LEU:HD11	1:44:B:PHE:HE1	6	0.64
(1,1810)	1:41:B:LEU:HD12	1:44:B:PHE:HE1	6	0.64
(1,1810)	1:41:B:LEU:HD13	1:44:B:PHE:HE1	6	0.64
(1,1795)	1:41:A:LEU:HD11	1:44:A:PHE:HD1	11	0.64
(1,1795)	1:41:A:LEU:HD12	1:44:A:PHE:HD1	11	0.64
(1,1795)	1:41:A:LEU:HD13	1:44:A:PHE:HD1	11	0.64
(1,1756)	1:29:B:SER:HA	1:68:B:GLU:HG2	10	0.64
(1,1620)	1:52:B:ASP:HB2	1:53:B:ALA:HA	6	0.64
(1,1620)	1:52:B:ASP:HB2	1:53:B:ALA:HA	13	0.64
(1,1620)	1:52:B:ASP:HB2	1:53:B:ALA:HA	14	0.64
(1,1620)	1:52:B:ASP:HB2	1:53:B:ALA:HA	19	0.64
(1,1619)	1:52:A:ASP:HB2	1:53:A:ALA:HA	16	0.64
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD11	20	0.64
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD12	20	0.64
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD13	20	0.64
(1,1451)	1:41:A:LEU:HD21	1:8:B:MET:HB2	11	0.64
(1,1451)	1:41:A:LEU:HD22	1:8:B:MET:HB2	11	0.64
(1,1451)	1:41:A:LEU:HD23	1:8:B:MET:HB2	11	0.64
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE2	11	0.64
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE3	11	0.64
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD21	6	0.64
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD22	6	0.64
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD23	6	0.64
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD21	12	0.64
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD22	12	0.64
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD23	12	0.64
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD21	18	0.64
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD22	18	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD23	18	0.64
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD21	1	0.64
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD22	1	0.64
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD23	1	0.64
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD21	7	0.64
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD22	7	0.64
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD23	7	0.64
(1,1136)	1:78:B:VAL:HG21	1:79:B:ALA:H	3	0.64
(1,1136)	1:78:B:VAL:HG22	1:79:B:ALA:H	3	0.64
(1,1136)	1:78:B:VAL:HG23	1:79:B:ALA:H	3	0.64
(1,1136)	1:78:B:VAL:HG21	1:79:B:ALA:H	4	0.64
(1,1136)	1:78:B:VAL:HG22	1:79:B:ALA:H	4	0.64
(1,1136)	1:78:B:VAL:HG23	1:79:B:ALA:H	4	0.64
(1,1135)	1:78:A:VAL:HG21	1:79:A:ALA:H	7	0.64
(1,1135)	1:78:A:VAL:HG22	1:79:A:ALA:H	7	0.64
(1,1135)	1:78:A:VAL:HG23	1:79:A:ALA:H	7	0.64
(1,1135)	1:78:A:VAL:HG21	1:79:A:ALA:H	17	0.64
(1,1135)	1:78:A:VAL:HG22	1:79:A:ALA:H	17	0.64
(1,1135)	1:78:A:VAL:HG23	1:79:A:ALA:H	17	0.64
(1,1135)	1:78:A:VAL:HG21	1:79:A:ALA:H	18	0.64
(1,1135)	1:78:A:VAL:HG22	1:79:A:ALA:H	18	0.64
(1,1135)	1:78:A:VAL:HG23	1:79:A:ALA:H	18	0.64
(1,1135)	1:78:A:VAL:HG21	1:79:A:ALA:H	20	0.64
(1,1135)	1:78:A:VAL:HG22	1:79:A:ALA:H	20	0.64
(1,1135)	1:78:A:VAL:HG23	1:79:A:ALA:H	20	0.64
(1,1117)	1:6:A:THR:HG21	1:7:A:ALA:H	7	0.64
(1,1117)	1:6:A:THR:HG22	1:7:A:ALA:H	7	0.64
(1,1117)	1:6:A:THR:HG23	1:7:A:ALA:H	7	0.64
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD11	9	0.63
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD12	9	0.63
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD13	9	0.63
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD11	10	0.63
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD12	10	0.63
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD13	10	0.63
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG21	11	0.63
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG22	11	0.63
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG23	11	0.63
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG21	11	0.63
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG22	11	0.63
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG23	11	0.63
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG21	11	0.63
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG22	11	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG23	11	0.63
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG21	12	0.63
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG22	12	0.63
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG23	12	0.63
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD21	12	0.63
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD22	12	0.63
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD23	12	0.63
(1,1810)	1:41:B:LEU:HD11	1:44:B:PHE:HE1	3	0.63
(1,1810)	1:41:B:LEU:HD12	1:44:B:PHE:HE1	3	0.63
(1,1810)	1:41:B:LEU:HD13	1:44:B:PHE:HE1	3	0.63
(1,1809)	1:41:A:LEU:HD11	1:44:A:PHE:HE1	15	0.63
(1,1809)	1:41:A:LEU:HD12	1:44:A:PHE:HE1	15	0.63
(1,1809)	1:41:A:LEU:HD13	1:44:A:PHE:HE1	15	0.63
(1,1809)	1:41:A:LEU:HD11	1:44:A:PHE:HE1	19	0.63
(1,1809)	1:41:A:LEU:HD12	1:44:A:PHE:HE1	19	0.63
(1,1809)	1:41:A:LEU:HD13	1:44:A:PHE:HE1	19	0.63
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD21	6	0.63
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD22	6	0.63
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD23	6	0.63
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD21	12	0.63
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD22	12	0.63
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD23	12	0.63
(1,1692)	1:29:B:SER:HA	1:68:B:GLU:HG3	7	0.63
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD11	8	0.63
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD12	8	0.63
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD13	8	0.63
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD11	5	0.63
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD12	5	0.63
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD13	5	0.63
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD11	6	0.63
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD12	6	0.63
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD13	6	0.63
(1,1507)	1:60:A:GLU:HG3	1:64:A:ASN:HB3	10	0.63
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE2	5	0.63
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE3	5	0.63
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE2	12	0.63
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE3	12	0.63
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD21	2	0.63
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD22	2	0.63
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD23	2	0.63
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD21	5	0.63
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD22	5	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD23	5	0.63
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD21	16	0.63
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD22	16	0.63
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD23	16	0.63
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD21	20	0.63
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD22	20	0.63
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD23	20	0.63
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD21	2	0.63
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD22	2	0.63
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD23	2	0.63
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD21	3	0.63
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD22	3	0.63
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD23	3	0.63
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD21	5	0.63
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD22	5	0.63
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD23	5	0.63
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD21	10	0.63
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD22	10	0.63
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD23	10	0.63
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD21	20	0.63
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD22	20	0.63
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD23	20	0.63
(1,1135)	1:78:A:VAL:HG21	1:79:A:ALA:H	10	0.63
(1,1135)	1:78:A:VAL:HG22	1:79:A:ALA:H	10	0.63
(1,1135)	1:78:A:VAL:HG23	1:79:A:ALA:H	10	0.63
(1,1117)	1:6:A:THR:HG21	1:7:A:ALA:H	20	0.63
(1,1117)	1:6:A:THR:HG22	1:7:A:ALA:H	20	0.63
(1,1117)	1:6:A:THR:HG23	1:7:A:ALA:H	20	0.63
(1,281)	1:80:A:ALA:HA	1:72:B:GLN:H	11	0.63
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG2	13	0.62
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG3	13	0.62
(1,2466)	1:41:B:LEU:HG	1:44:B:PHE:HE1	8	0.62
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD11	16	0.62
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD12	16	0.62
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD13	16	0.62
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG21	8	0.62
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG22	8	0.62
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG23	8	0.62
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG21	8	0.62
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG22	8	0.62
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG23	8	0.62
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG21	8	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG22	8	0.62
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG23	8	0.62
(1,2311)	1:6:A:THR:HA	1:9:A:GLU:HB2	2	0.62
(1,2249)	1:41:A:LEU:HD11	1:78:A:VAL:HB	16	0.62
(1,2249)	1:41:A:LEU:HD12	1:78:A:VAL:HB	16	0.62
(1,2249)	1:41:A:LEU:HD13	1:78:A:VAL:HB	16	0.62
(1,2120)	1:21:B:LYS:HD2	1:32:B:GLU:HG2	3	0.62
(1,2120)	1:21:B:LYS:HD3	1:32:B:GLU:HG2	3	0.62
(1,1981)	1:45:A:LEU:HB2	1:46:A:ASP:HB3	10	0.62
(1,1796)	1:41:B:LEU:HD11	1:44:B:PHE:HD1	12	0.62
(1,1796)	1:41:B:LEU:HD12	1:44:B:PHE:HD1	12	0.62
(1,1796)	1:41:B:LEU:HD13	1:44:B:PHE:HD1	12	0.62
(1,1742)	1:8:A:MET:HE1	1:44:B:PHE:HZ	7	0.62
(1,1742)	1:8:A:MET:HE2	1:44:B:PHE:HZ	7	0.62
(1,1742)	1:8:A:MET:HE3	1:44:B:PHE:HZ	7	0.62
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE1	5	0.62
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE2	5	0.62
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE3	5	0.62
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE1	11	0.62
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE2	11	0.62
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE3	11	0.62
(1,1715)	1:41:A:LEU:HD21	1:8:B:MET:HG2	19	0.62
(1,1715)	1:41:A:LEU:HD22	1:8:B:MET:HG2	19	0.62
(1,1715)	1:41:A:LEU:HD23	1:8:B:MET:HG2	19	0.62
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD21	11	0.62
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD22	11	0.62
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD23	11	0.62
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD21	13	0.62
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD22	13	0.62
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD23	13	0.62
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD21	19	0.62
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD22	19	0.62
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD23	19	0.62
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD21	4	0.62
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD22	4	0.62
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD23	4	0.62
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD21	8	0.62
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD22	8	0.62
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD23	8	0.62
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD21	9	0.62
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD22	9	0.62
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD23	9	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD21	12	0.62
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD22	12	0.62
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD23	12	0.62
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD21	17	0.62
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD22	17	0.62
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD23	17	0.62
(1,1135)	1:78:A:VAL:HG21	1:79:A:ALA:H	15	0.62
(1,1135)	1:78:A:VAL:HG22	1:79:A:ALA:H	15	0.62
(1,1135)	1:78:A:VAL:HG23	1:79:A:ALA:H	15	0.62
(1,759)	1:60:A:GLU:HG3	1:64:A:ASN:HD21	5	0.62
(1,651)	1:30:A:LYS:HB2	1:65:A:GLY:H	14	0.62
(1,620)	1:65:B:GLY:H	1:67:B:GLY:H	2	0.62
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD11	17	0.61
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD12	17	0.61
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD13	17	0.61
(1,2312)	1:6:B:THR:HA	1:9:B:GLU:HB2	13	0.61
(1,2161)	1:3:A:GLU:HA	1:6:A:THR:HB	9	0.61
(1,2161)	1:3:A:GLU:HA	1:6:A:THR:HB	13	0.61
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG21	10	0.61
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG22	10	0.61
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG23	10	0.61
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB1	15	0.61
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB2	15	0.61
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB3	15	0.61
(1,1810)	1:41:B:LEU:HD11	1:44:B:PHE:HE1	5	0.61
(1,1810)	1:41:B:LEU:HD12	1:44:B:PHE:HE1	5	0.61
(1,1810)	1:41:B:LEU:HD13	1:44:B:PHE:HE1	5	0.61
(1,1742)	1:8:A:MET:HE1	1:44:B:PHE:HZ	5	0.61
(1,1742)	1:8:A:MET:HE2	1:44:B:PHE:HZ	5	0.61
(1,1742)	1:8:A:MET:HE3	1:44:B:PHE:HZ	5	0.61
(1,1692)	1:29:B:SER:HA	1:68:B:GLU:HG3	3	0.61
(1,1691)	1:29:A:SER:HA	1:68:A:GLU:HG3	2	0.61
(1,1691)	1:29:A:SER:HA	1:68:A:GLU:HG3	6	0.61
(1,1638)	1:24:B:ASP:HB2	1:27:B:LYS:HB3	9	0.61
(1,1619)	1:52:A:ASP:HB2	1:53:A:ALA:HA	17	0.61
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD11	6	0.61
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD12	6	0.61
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD13	6	0.61
(1,1369)	1:91:A:GLU:H	1:91:A:GLU:HB3	19	0.61
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD21	3	0.61
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD22	3	0.61
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD23	3	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD21	15	0.61
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD22	15	0.61
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD23	15	0.61
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD21	13	0.61
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD22	13	0.61
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD23	13	0.61
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD21	14	0.61
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD22	14	0.61
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD23	14	0.61
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD21	16	0.61
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD22	16	0.61
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD23	16	0.61
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD21	18	0.61
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD22	18	0.61
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD23	18	0.61
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD21	19	0.61
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD22	19	0.61
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD23	19	0.61
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG2	2	0.6
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG3	2	0.6
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD11	7	0.6
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD12	7	0.6
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD13	7	0.6
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG21	19	0.6
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG22	19	0.6
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG23	19	0.6
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG21	19	0.6
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG22	19	0.6
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG23	19	0.6
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG21	19	0.6
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG22	19	0.6
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG23	19	0.6
(1,2312)	1:6:B:THR:HA	1:9:B:GLU:HB2	10	0.6
(1,2311)	1:6:A:THR:HA	1:9:A:GLU:HB2	10	0.6
(1,2311)	1:6:A:THR:HA	1:9:A:GLU:HB2	16	0.6
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG21	3	0.6
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG22	3	0.6
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG23	3	0.6
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG21	19	0.6
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG22	19	0.6
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG23	19	0.6
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG11	10	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG12	10	0.6
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG13	10	0.6
(1,1755)	1:29:A:SER:HA	1:68:A:GLU:HG2	17	0.6
(1,1691)	1:29:A:SER:HA	1:68:A:GLU:HG3	16	0.6
(1,1619)	1:52:A:ASP:HB2	1:53:A:ALA:HA	6	0.6
(1,1619)	1:52:A:ASP:HB2	1:53:A:ALA:HA	7	0.6
(1,1619)	1:52:A:ASP:HB2	1:53:A:ALA:HA	19	0.6
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD11	16	0.6
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD12	16	0.6
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD13	16	0.6
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD11	13	0.6
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD12	13	0.6
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD13	13	0.6
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD21	4	0.6
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD22	4	0.6
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD23	4	0.6
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD21	9	0.6
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD22	9	0.6
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD23	9	0.6
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD21	10	0.6
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD22	10	0.6
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD23	10	0.6
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD21	14	0.6
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD22	14	0.6
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD23	14	0.6
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD21	17	0.6
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD22	17	0.6
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD23	17	0.6
(1,139)	1:41:A:LEU:HB2	1:43:A:GLY:H	13	0.6
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG2	3	0.59
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG3	3	0.59
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG2	13	0.59
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG3	13	0.59
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG2	3	0.59
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG3	3	0.59
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG2	15	0.59
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG3	15	0.59
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD11	6	0.59
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD12	6	0.59
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD13	6	0.59
(1,2312)	1:6:B:THR:HA	1:9:B:GLU:HB2	4	0.59
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD11	15	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD12	15	0.59
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD13	15	0.59
(1,1981)	1:45:A:LEU:HB2	1:46:A:ASP:HB3	13	0.59
(1,1810)	1:41:B:LEU:HD11	1:44:B:PHE:HE1	10	0.59
(1,1810)	1:41:B:LEU:HD12	1:44:B:PHE:HE1	10	0.59
(1,1810)	1:41:B:LEU:HD13	1:44:B:PHE:HE1	10	0.59
(1,1756)	1:29:B:SER:HA	1:68:B:GLU:HG2	11	0.59
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD21	13	0.59
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD22	13	0.59
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD23	13	0.59
(1,1620)	1:52:B:ASP:HB2	1:53:B:ALA:HA	11	0.59
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD11	9	0.59
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD12	9	0.59
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD13	9	0.59
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD11	4	0.59
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD12	4	0.59
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD13	4	0.59
(1,1558)	1:34:B:LYS:HG3	1:62:B:ASP:HA	2	0.59
(1,1508)	1:60:B:GLU:HG3	1:64:B:ASN:HB3	14	0.59
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD21	7	0.59
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD22	7	0.59
(1,1268)	1:81:B:LEU:H	1:81:B:LEU:HD23	7	0.59
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD21	6	0.59
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD22	6	0.59
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD23	6	0.59
(1,759)	1:60:A:GLU:HG3	1:64:A:ASN:HD21	8	0.59
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD2	6	0.58
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD3	6	0.58
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD11	4	0.58
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD12	4	0.58
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD13	4	0.58
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD11	20	0.58
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD12	20	0.58
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD13	20	0.58
(1,2312)	1:6:B:THR:HA	1:9:B:GLU:HB2	2	0.58
(1,2312)	1:6:B:THR:HA	1:9:B:GLU:HB2	3	0.58
(1,2312)	1:6:B:THR:HA	1:9:B:GLU:HB2	11	0.58
(1,2312)	1:6:B:THR:HA	1:9:B:GLU:HB2	16	0.58
(1,2311)	1:6:A:THR:HA	1:9:A:GLU:HB2	12	0.58
(1,2311)	1:6:A:THR:HA	1:9:A:GLU:HB2	14	0.58
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG21	5	0.58
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG22	5	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG23	5	0.58
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG21	14	0.58
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG22	14	0.58
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG23	14	0.58
(1,1981)	1:45:A:LEU:HB2	1:46:A:ASP:HB3	16	0.58
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB1	2	0.58
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB2	2	0.58
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB3	2	0.58
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG11	18	0.58
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG12	18	0.58
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG13	18	0.58
(1,1810)	1:41:B:LEU:HD11	1:44:B:PHE:HE1	15	0.58
(1,1810)	1:41:B:LEU:HD12	1:44:B:PHE:HE1	15	0.58
(1,1810)	1:41:B:LEU:HD13	1:44:B:PHE:HE1	15	0.58
(1,1756)	1:29:B:SER:HA	1:68:B:GLU:HG2	18	0.58
(1,1755)	1:29:A:SER:HA	1:68:A:GLU:HG2	13	0.58
(1,1742)	1:8:A:MET:HE1	1:44:B:PHE:HZ	10	0.58
(1,1742)	1:8:A:MET:HE2	1:44:B:PHE:HZ	10	0.58
(1,1742)	1:8:A:MET:HE3	1:44:B:PHE:HZ	10	0.58
(1,1742)	1:8:A:MET:HE1	1:44:B:PHE:HZ	13	0.58
(1,1742)	1:8:A:MET:HE2	1:44:B:PHE:HZ	13	0.58
(1,1742)	1:8:A:MET:HE3	1:44:B:PHE:HZ	13	0.58
(1,1692)	1:29:B:SER:HA	1:68:B:GLU:HG3	15	0.58
(1,1620)	1:52:B:ASP:HB2	1:53:B:ALA:HA	2	0.58
(1,1619)	1:52:A:ASP:HB2	1:53:A:ALA:HA	1	0.58
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD11	20	0.58
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD12	20	0.58
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD13	20	0.58
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD11	1	0.58
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD12	1	0.58
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD13	1	0.58
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD11	8	0.58
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD12	8	0.58
(1,1599)	1:9:A:GLU:HG3	1:12:A:ILE:HD13	8	0.58
(1,1508)	1:60:B:GLU:HG3	1:64:B:ASN:HB3	5	0.58
(1,651)	1:30:A:LYS:HB2	1:65:A:GLY:H	18	0.58
(1,483)	1:39:A:THR:H	1:41:A:LEU:HB2	18	0.58
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG21	18	0.57
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG22	18	0.57
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG23	18	0.57
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG21	18	0.57
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG22	18	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG23	18	0.57
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG21	18	0.57
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG22	18	0.57
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG23	18	0.57
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG21	20	0.57
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG22	20	0.57
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG23	20	0.57
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG21	20	0.57
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG22	20	0.57
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG23	20	0.57
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG21	20	0.57
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG22	20	0.57
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG23	20	0.57
(1,2312)	1:6:B:THR:HA	1:9:B:GLU:HB2	1	0.57
(1,2312)	1:6:B:THR:HA	1:9:B:GLU:HB2	12	0.57
(1,2312)	1:6:B:THR:HA	1:9:B:GLU:HB2	17	0.57
(1,2312)	1:6:B:THR:HA	1:9:B:GLU:HB2	19	0.57
(1,2311)	1:6:A:THR:HA	1:9:A:GLU:HB2	3	0.57
(1,2311)	1:6:A:THR:HA	1:9:A:GLU:HB2	9	0.57
(1,2311)	1:6:A:THR:HA	1:9:A:GLU:HB2	17	0.57
(1,2311)	1:6:A:THR:HA	1:9:A:GLU:HB2	19	0.57
(1,2161)	1:3:A:GLU:HA	1:6:A:THR:HB	17	0.57
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG21	8	0.57
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG22	8	0.57
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG23	8	0.57
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG21	5	0.57
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG22	5	0.57
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG23	5	0.57
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG21	17	0.57
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG22	17	0.57
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG23	17	0.57
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD21	18	0.57
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD22	18	0.57
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD23	18	0.57
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB1	17	0.57
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB2	17	0.57
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB3	17	0.57
(1,1796)	1:41:B:LEU:HD11	1:44:B:PHE:HD1	8	0.57
(1,1796)	1:41:B:LEU:HD12	1:44:B:PHE:HD1	8	0.57
(1,1796)	1:41:B:LEU:HD13	1:44:B:PHE:HD1	8	0.57
(1,1755)	1:29:A:SER:HA	1:68:A:GLU:HG2	8	0.57
(1,1691)	1:29:A:SER:HA	1:68:A:GLU:HG3	3	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1507)	1:60:A:GLU:HG3	1:64:A:ASN:HB3	20	0.57
(1,1118)	1:6:B:THR:HG21	1:7:B:ALA:H	20	0.57
(1,1118)	1:6:B:THR:HG22	1:7:B:ALA:H	20	0.57
(1,1118)	1:6:B:THR:HG23	1:7:B:ALA:H	20	0.57
(1,2499)	1:36:A:LEU:HG	1:74:A:TYR:HE1	15	0.56
(1,2466)	1:41:B:LEU:HG	1:44:B:PHE:HE1	12	0.56
(1,2465)	1:41:A:LEU:HG	1:44:A:PHE:HE1	11	0.56
(1,2312)	1:6:B:THR:HA	1:9:B:GLU:HB2	14	0.56
(1,2312)	1:6:B:THR:HA	1:9:B:GLU:HB2	18	0.56
(1,2311)	1:6:A:THR:HA	1:9:A:GLU:HB2	11	0.56
(1,2311)	1:6:A:THR:HA	1:9:A:GLU:HB2	15	0.56
(1,2311)	1:6:A:THR:HA	1:9:A:GLU:HB2	18	0.56
(1,2161)	1:3:A:GLU:HA	1:6:A:THR:HB	5	0.56
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG21	14	0.56
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG22	14	0.56
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG23	14	0.56
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG21	15	0.56
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG22	15	0.56
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG23	15	0.56
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG21	3	0.56
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG22	3	0.56
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG23	3	0.56
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG21	15	0.56
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG22	15	0.56
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG23	15	0.56
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD21	12	0.56
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD22	12	0.56
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD23	12	0.56
(1,1810)	1:41:B:LEU:HD11	1:44:B:PHE:HE1	16	0.56
(1,1810)	1:41:B:LEU:HD12	1:44:B:PHE:HE1	16	0.56
(1,1810)	1:41:B:LEU:HD13	1:44:B:PHE:HE1	16	0.56
(1,1809)	1:41:A:LEU:HD11	1:44:A:PHE:HE1	3	0.56
(1,1809)	1:41:A:LEU:HD12	1:44:A:PHE:HE1	3	0.56
(1,1809)	1:41:A:LEU:HD13	1:44:A:PHE:HE1	3	0.56
(1,1782)	1:21:B:LYS:HG3	1:32:B:GLU:HB3	13	0.56
(1,1756)	1:29:B:SER:HA	1:68:B:GLU:HG2	12	0.56
(1,1756)	1:29:B:SER:HA	1:68:B:GLU:HG2	14	0.56
(1,1756)	1:29:B:SER:HA	1:68:B:GLU:HG2	20	0.56
(1,1692)	1:29:B:SER:HA	1:68:B:GLU:HG3	17	0.56
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD11	1	0.56
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD12	1	0.56
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD13	1	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1557)	1:34:A:LYS:HG3	1:62:A:ASP:HA	12	0.56
(1,1508)	1:60:B:GLU:HG3	1:64:B:ASN:HB3	13	0.56
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE2	13	0.56
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE3	13	0.56
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD11	20	0.56
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD12	20	0.56
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD13	20	0.56
(1,483)	1:39:A:THR:H	1:41:A:LEU:HB2	17	0.56
(1,140)	1:41:B:LEU:HB2	1:43:B:GLY:H	10	0.56
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG2	4	0.55
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG3	4	0.55
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG21	15	0.55
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG22	15	0.55
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG23	15	0.55
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG21	15	0.55
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG22	15	0.55
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG23	15	0.55
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG21	15	0.55
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG22	15	0.55
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG23	15	0.55
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG21	8	0.55
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG22	8	0.55
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG23	8	0.55
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG21	8	0.55
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG22	8	0.55
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG23	8	0.55
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG21	8	0.55
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG22	8	0.55
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG23	8	0.55
(1,2312)	1:6:B:THR:HA	1:9:B:GLU:HB2	8	0.55
(1,2312)	1:6:B:THR:HA	1:9:B:GLU:HB2	15	0.55
(1,2311)	1:6:A:THR:HA	1:9:A:GLU:HB2	8	0.55
(1,2161)	1:3:A:GLU:HA	1:6:A:THR:HB	16	0.55
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG21	11	0.55
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG22	11	0.55
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG23	11	0.55
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB1	7	0.55
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB2	7	0.55
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB3	7	0.55
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB1	19	0.55
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB2	19	0.55
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB3	19	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG11	12	0.55
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG12	12	0.55
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG13	12	0.55
(1,1809)	1:41:A:LEU:HD11	1:44:A:PHE:HE1	20	0.55
(1,1809)	1:41:A:LEU:HD12	1:44:A:PHE:HE1	20	0.55
(1,1809)	1:41:A:LEU:HD13	1:44:A:PHE:HE1	20	0.55
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG21	11	0.55
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG22	11	0.55
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG23	11	0.55
(1,1755)	1:29:A:SER:HA	1:68:A:GLU:HG2	9	0.55
(1,1557)	1:34:A:LYS:HG3	1:62:A:ASP:HA	18	0.55
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD21	15	0.55
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD22	15	0.55
(1,1267)	1:81:A:LEU:H	1:81:A:LEU:HD23	15	0.55
(1,139)	1:41:A:LEU:HB2	1:43:A:GLY:H	9	0.55
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG2	7	0.54
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG3	7	0.54
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD11	4	0.54
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD12	4	0.54
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD13	4	0.54
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG21	1	0.54
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG22	1	0.54
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG23	1	0.54
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG21	1	0.54
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG22	1	0.54
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG23	1	0.54
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG21	1	0.54
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG22	1	0.54
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG23	1	0.54
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG21	14	0.54
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG22	14	0.54
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG23	14	0.54
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG21	14	0.54
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG22	14	0.54
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG23	14	0.54
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG21	14	0.54
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG22	14	0.54
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG23	14	0.54
(1,2311)	1:6:A:THR:HA	1:9:A:GLU:HB2	1	0.54
(1,2311)	1:6:A:THR:HA	1:9:A:GLU:HB2	5	0.54
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG21	1	0.54
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG22	1	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG23	1	0.54
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG21	12	0.54
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG22	12	0.54
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG23	12	0.54
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG21	18	0.54
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG22	18	0.54
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG23	18	0.54
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD11	11	0.54
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD12	11	0.54
(1,2029)	1:37:A:LEU:HA	1:41:A:LEU:HD13	11	0.54
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB1	5	0.54
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB2	5	0.54
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB3	5	0.54
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB1	2	0.54
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB2	2	0.54
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB3	2	0.54
(1,1925)	1:21:A:LYS:HB2	1:32:A:GLU:HB2	3	0.54
(1,1925)	1:21:A:LYS:HB3	1:32:A:GLU:HB2	3	0.54
(1,1918)	1:21:B:LYS:HD2	1:32:B:GLU:HB3	20	0.54
(1,1918)	1:21:B:LYS:HD3	1:32:B:GLU:HB3	20	0.54
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG11	19	0.54
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG12	19	0.54
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG13	19	0.54
(1,1756)	1:29:B:SER:HA	1:68:B:GLU:HG2	19	0.54
(1,1742)	1:8:A:MET:HE1	1:44:B:PHE:HZ	8	0.54
(1,1742)	1:8:A:MET:HE2	1:44:B:PHE:HZ	8	0.54
(1,1742)	1:8:A:MET:HE3	1:44:B:PHE:HZ	8	0.54
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE1	4	0.54
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE2	4	0.54
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE3	4	0.54
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD11	7	0.54
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD12	7	0.54
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD13	7	0.54
(1,484)	1:39:B:THR:H	1:41:B:LEU:HB2	3	0.54
(1,139)	1:41:A:LEU:HB2	1:43:A:GLY:H	20	0.54
(1,127)	1:7:A:ALA:H	1:9:A:GLU:HB3	16	0.54
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG2	2	0.53
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG3	2	0.53
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD11	11	0.53
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD12	11	0.53
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD13	11	0.53
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG21	7	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG22	7	0.53
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG23	7	0.53
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG21	7	0.53
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG22	7	0.53
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG23	7	0.53
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG21	7	0.53
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG22	7	0.53
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG23	7	0.53
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG21	6	0.53
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG22	6	0.53
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG23	6	0.53
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG21	6	0.53
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG22	6	0.53
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG23	6	0.53
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG21	6	0.53
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG22	6	0.53
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG23	6	0.53
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG21	15	0.53
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG22	15	0.53
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG23	15	0.53
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG21	15	0.53
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG22	15	0.53
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG23	15	0.53
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG21	15	0.53
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG22	15	0.53
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG23	15	0.53
(1,2312)	1:6:B:THR:HA	1:9:B:GLU:HB2	6	0.53
(1,2162)	1:3:B:GLU:HA	1:6:B:THR:HB	18	0.53
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG21	20	0.53
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG22	20	0.53
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG23	20	0.53
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG21	8	0.53
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG22	8	0.53
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG23	8	0.53
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG21	20	0.53
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG22	20	0.53
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG23	20	0.53
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG11	16	0.53
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG12	16	0.53
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG13	16	0.53
(1,1755)	1:29:A:SER:HA	1:68:A:GLU:HG2	15	0.53
(1,1742)	1:8:A:MET:HE1	1:44:B:PHE:HZ	14	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1742)	1:8:A:MET:HE2	1:44:B:PHE:HZ	14	0.53
(1,1742)	1:8:A:MET:HE3	1:44:B:PHE:HZ	14	0.53
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE1	13	0.53
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE2	13	0.53
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE3	13	0.53
(1,1640)	1:29:B:SER:HB2	1:31:B:LYS:HB3	16	0.53
(1,484)	1:39:B:THR:H	1:41:B:LEU:HB2	20	0.53
(1,139)	1:41:A:LEU:HB2	1:43:A:GLY:H	17	0.53
(1,139)	1:41:A:LEU:HB2	1:43:A:GLY:H	19	0.53
(1,2889)	1:51:B:VAL:HG11	1:52:B:ASP:HB2	4	0.52
(1,2889)	1:51:B:VAL:HG12	1:52:B:ASP:HB2	4	0.52
(1,2889)	1:51:B:VAL:HG13	1:52:B:ASP:HB2	4	0.52
(1,2889)	1:51:B:VAL:HG21	1:52:B:ASP:HB2	4	0.52
(1,2889)	1:51:B:VAL:HG22	1:52:B:ASP:HB2	4	0.52
(1,2889)	1:51:B:VAL:HG23	1:52:B:ASP:HB2	4	0.52
(1,2889)	1:51:B:VAL:HG11	1:52:B:ASP:HB2	5	0.52
(1,2889)	1:51:B:VAL:HG12	1:52:B:ASP:HB2	5	0.52
(1,2889)	1:51:B:VAL:HG13	1:52:B:ASP:HB2	5	0.52
(1,2889)	1:51:B:VAL:HG21	1:52:B:ASP:HB2	5	0.52
(1,2889)	1:51:B:VAL:HG22	1:52:B:ASP:HB2	5	0.52
(1,2889)	1:51:B:VAL:HG23	1:52:B:ASP:HB2	5	0.52
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG2	16	0.52
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG3	16	0.52
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG21	19	0.52
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG22	19	0.52
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG23	19	0.52
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG21	19	0.52
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG22	19	0.52
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG23	19	0.52
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG21	19	0.52
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG22	19	0.52
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG23	19	0.52
(1,2312)	1:6:B:THR:HA	1:9:B:GLU:HB2	5	0.52
(1,2162)	1:3:B:GLU:HA	1:6:B:THR:HB	12	0.52
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG21	10	0.52
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG22	10	0.52
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG23	10	0.52
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG21	11	0.52
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG22	11	0.52
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG23	11	0.52
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG21	17	0.52
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG22	17	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG23	17	0.52
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG21	18	0.52
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG22	18	0.52
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG23	18	0.52
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG11	4	0.52
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG12	4	0.52
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG13	4	0.52
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG21	8	0.52
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG22	8	0.52
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG23	8	0.52
(1,1756)	1:29:B:SER:HA	1:68:B:GLU:HG2	15	0.52
(1,1755)	1:29:A:SER:HA	1:68:A:GLU:HG2	1	0.52
(1,1755)	1:29:A:SER:HA	1:68:A:GLU:HG2	5	0.52
(1,1691)	1:29:A:SER:HA	1:68:A:GLU:HG3	12	0.52
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD11	10	0.52
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD12	10	0.52
(1,1600)	1:9:B:GLU:HG3	1:12:B:ILE:HD13	10	0.52
(1,1590)	1:24:B:ASP:HA	1:27:B:LYS:HB2	9	0.52
(1,1574)	1:29:B:SER:HB3	1:31:B:LYS:HB3	16	0.52
(1,1557)	1:34:A:LYS:HG3	1:62:A:ASP:HA	13	0.52
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD21	5	0.52
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD22	5	0.52
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD23	5	0.52
(1,619)	1:65:A:GLY:H	1:67:A:GLY:H	19	0.52
(1,140)	1:41:B:LEU:HB2	1:43:B:GLY:H	17	0.52
(1,2889)	1:51:B:VAL:HG11	1:52:B:ASP:HB2	1	0.51
(1,2889)	1:51:B:VAL:HG12	1:52:B:ASP:HB2	1	0.51
(1,2889)	1:51:B:VAL:HG13	1:52:B:ASP:HB2	1	0.51
(1,2889)	1:51:B:VAL:HG21	1:52:B:ASP:HB2	1	0.51
(1,2889)	1:51:B:VAL:HG22	1:52:B:ASP:HB2	1	0.51
(1,2889)	1:51:B:VAL:HG23	1:52:B:ASP:HB2	1	0.51
(1,2889)	1:51:B:VAL:HG11	1:52:B:ASP:HB2	10	0.51
(1,2889)	1:51:B:VAL:HG12	1:52:B:ASP:HB2	10	0.51
(1,2889)	1:51:B:VAL:HG13	1:52:B:ASP:HB2	10	0.51
(1,2889)	1:51:B:VAL:HG21	1:52:B:ASP:HB2	10	0.51
(1,2889)	1:51:B:VAL:HG22	1:52:B:ASP:HB2	10	0.51
(1,2889)	1:51:B:VAL:HG23	1:52:B:ASP:HB2	10	0.51
(1,2889)	1:51:B:VAL:HG11	1:52:B:ASP:HB2	15	0.51
(1,2889)	1:51:B:VAL:HG12	1:52:B:ASP:HB2	15	0.51
(1,2889)	1:51:B:VAL:HG13	1:52:B:ASP:HB2	15	0.51
(1,2889)	1:51:B:VAL:HG21	1:52:B:ASP:HB2	15	0.51
(1,2889)	1:51:B:VAL:HG22	1:52:B:ASP:HB2	15	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2889)	1:51:B:VAL:HG23	1:52:B:ASP:HB2	15	0.51
(1,2889)	1:51:B:VAL:HG11	1:52:B:ASP:HB2	16	0.51
(1,2889)	1:51:B:VAL:HG12	1:52:B:ASP:HB2	16	0.51
(1,2889)	1:51:B:VAL:HG13	1:52:B:ASP:HB2	16	0.51
(1,2889)	1:51:B:VAL:HG21	1:52:B:ASP:HB2	16	0.51
(1,2889)	1:51:B:VAL:HG22	1:52:B:ASP:HB2	16	0.51
(1,2889)	1:51:B:VAL:HG23	1:52:B:ASP:HB2	16	0.51
(1,2889)	1:51:B:VAL:HG11	1:52:B:ASP:HB2	20	0.51
(1,2889)	1:51:B:VAL:HG12	1:52:B:ASP:HB2	20	0.51
(1,2889)	1:51:B:VAL:HG13	1:52:B:ASP:HB2	20	0.51
(1,2889)	1:51:B:VAL:HG21	1:52:B:ASP:HB2	20	0.51
(1,2889)	1:51:B:VAL:HG22	1:52:B:ASP:HB2	20	0.51
(1,2889)	1:51:B:VAL:HG23	1:52:B:ASP:HB2	20	0.51
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG2	1	0.51
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG3	1	0.51
(1,2696)	1:51:A:VAL:HG11	1:52:A:ASP:HB2	3	0.51
(1,2696)	1:51:A:VAL:HG12	1:52:A:ASP:HB2	3	0.51
(1,2696)	1:51:A:VAL:HG13	1:52:A:ASP:HB2	3	0.51
(1,2696)	1:51:A:VAL:HG21	1:52:A:ASP:HB2	3	0.51
(1,2696)	1:51:A:VAL:HG22	1:52:A:ASP:HB2	3	0.51
(1,2696)	1:51:A:VAL:HG23	1:52:A:ASP:HB2	3	0.51
(1,2696)	1:51:A:VAL:HG11	1:52:A:ASP:HB2	9	0.51
(1,2696)	1:51:A:VAL:HG12	1:52:A:ASP:HB2	9	0.51
(1,2696)	1:51:A:VAL:HG13	1:52:A:ASP:HB2	9	0.51
(1,2696)	1:51:A:VAL:HG21	1:52:A:ASP:HB2	9	0.51
(1,2696)	1:51:A:VAL:HG22	1:52:A:ASP:HB2	9	0.51
(1,2696)	1:51:A:VAL:HG23	1:52:A:ASP:HB2	9	0.51
(1,2696)	1:51:A:VAL:HG11	1:52:A:ASP:HB2	10	0.51
(1,2696)	1:51:A:VAL:HG12	1:52:A:ASP:HB2	10	0.51
(1,2696)	1:51:A:VAL:HG13	1:52:A:ASP:HB2	10	0.51
(1,2696)	1:51:A:VAL:HG21	1:52:A:ASP:HB2	10	0.51
(1,2696)	1:51:A:VAL:HG22	1:52:A:ASP:HB2	10	0.51
(1,2696)	1:51:A:VAL:HG23	1:52:A:ASP:HB2	10	0.51
(1,2696)	1:51:A:VAL:HG11	1:52:A:ASP:HB2	13	0.51
(1,2696)	1:51:A:VAL:HG12	1:52:A:ASP:HB2	13	0.51
(1,2696)	1:51:A:VAL:HG13	1:52:A:ASP:HB2	13	0.51
(1,2696)	1:51:A:VAL:HG21	1:52:A:ASP:HB2	13	0.51
(1,2696)	1:51:A:VAL:HG22	1:52:A:ASP:HB2	13	0.51
(1,2696)	1:51:A:VAL:HG23	1:52:A:ASP:HB2	13	0.51
(1,2696)	1:51:A:VAL:HG11	1:52:A:ASP:HB2	15	0.51
(1,2696)	1:51:A:VAL:HG12	1:52:A:ASP:HB2	15	0.51
(1,2696)	1:51:A:VAL:HG13	1:52:A:ASP:HB2	15	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2696)	1:51:A:VAL:HG21	1:52:A:ASP:HB2	15	0.51
(1,2696)	1:51:A:VAL:HG22	1:52:A:ASP:HB2	15	0.51
(1,2696)	1:51:A:VAL:HG23	1:52:A:ASP:HB2	15	0.51
(1,2696)	1:51:A:VAL:HG11	1:52:A:ASP:HB2	18	0.51
(1,2696)	1:51:A:VAL:HG12	1:52:A:ASP:HB2	18	0.51
(1,2696)	1:51:A:VAL:HG13	1:52:A:ASP:HB2	18	0.51
(1,2696)	1:51:A:VAL:HG21	1:52:A:ASP:HB2	18	0.51
(1,2696)	1:51:A:VAL:HG22	1:52:A:ASP:HB2	18	0.51
(1,2696)	1:51:A:VAL:HG23	1:52:A:ASP:HB2	18	0.51
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD11	1	0.51
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD12	1	0.51
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD13	1	0.51
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD11	19	0.51
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD12	19	0.51
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD13	19	0.51
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG21	3	0.51
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG22	3	0.51
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG23	3	0.51
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG21	3	0.51
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG22	3	0.51
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG23	3	0.51
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG21	3	0.51
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG22	3	0.51
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG23	3	0.51
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG21	11	0.51
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG22	11	0.51
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG23	11	0.51
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG21	11	0.51
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG22	11	0.51
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG23	11	0.51
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG21	11	0.51
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG22	11	0.51
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG23	11	0.51
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG21	2	0.51
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG22	2	0.51
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG23	2	0.51
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG21	2	0.51
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG22	2	0.51
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG23	2	0.51
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG21	2	0.51
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG22	2	0.51
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG23	2	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG21	17	0.51
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG22	17	0.51
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG23	17	0.51
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG21	17	0.51
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG22	17	0.51
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG23	17	0.51
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG21	17	0.51
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG22	17	0.51
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG23	17	0.51
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD11	9	0.51
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD12	9	0.51
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD13	9	0.51
(1,2162)	1:3:B:GLU:HA	1:6:B:THR:HB	19	0.51
(1,2120)	1:21:B:LYS:HD2	1:32:B:GLU:HG2	13	0.51
(1,2120)	1:21:B:LYS:HD3	1:32:B:GLU:HG2	13	0.51
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG21	2	0.51
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG22	2	0.51
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG23	2	0.51
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG21	16	0.51
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG22	16	0.51
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG23	16	0.51
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG21	4	0.51
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG22	4	0.51
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG23	4	0.51
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD11	12	0.51
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD12	12	0.51
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD13	12	0.51
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB1	3	0.51
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB2	3	0.51
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB3	3	0.51
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG11	16	0.51
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG12	16	0.51
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG13	16	0.51
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG11	17	0.51
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG12	17	0.51
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG13	17	0.51
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG21	19	0.51
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG22	19	0.51
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG23	19	0.51
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG21	6	0.51
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG22	6	0.51
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG23	6	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1756)	1:29:B:SER:HA	1:68:B:GLU:HG2	4	0.51
(1,1640)	1:29:B:SER:HB2	1:31:B:LYS:HB3	3	0.51
(1,1620)	1:52:B:ASP:HB2	1:53:B:ALA:HA	3	0.51
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE2	10	0.51
(1,1411)	1:22:A:GLU:HA	1:31:A:LYS:HE3	10	0.51
(1,484)	1:39:B:THR:H	1:41:B:LEU:HB2	18	0.51
(1,483)	1:39:A:THR:H	1:41:A:LEU:HB2	20	0.51
(1,265)	1:41:A:LEU:HB3	1:44:A:PHE:H	15	0.51
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG2	15	0.5
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG3	15	0.5
(1,2696)	1:51:A:VAL:HG11	1:52:A:ASP:HB2	11	0.5
(1,2696)	1:51:A:VAL:HG12	1:52:A:ASP:HB2	11	0.5
(1,2696)	1:51:A:VAL:HG13	1:52:A:ASP:HB2	11	0.5
(1,2696)	1:51:A:VAL:HG21	1:52:A:ASP:HB2	11	0.5
(1,2696)	1:51:A:VAL:HG22	1:52:A:ASP:HB2	11	0.5
(1,2696)	1:51:A:VAL:HG23	1:52:A:ASP:HB2	11	0.5
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD11	1	0.5
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD12	1	0.5
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD13	1	0.5
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG21	1	0.5
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG22	1	0.5
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG23	1	0.5
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG21	1	0.5
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG22	1	0.5
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG23	1	0.5
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG21	1	0.5
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG22	1	0.5
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG23	1	0.5
(1,2311)	1:6:A:THR:HA	1:9:A:GLU:HB2	20	0.5
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG21	6	0.5
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG22	6	0.5
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG23	6	0.5
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG21	1	0.5
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG22	1	0.5
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG23	1	0.5
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG21	9	0.5
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG22	9	0.5
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG23	9	0.5
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG21	19	0.5
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG22	19	0.5
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG23	19	0.5
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD21	11	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD22	11	0.5
(1,2089)	1:54:A:VAL:HA	1:81:A:LEU:HD23	11	0.5
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG11	20	0.5
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG12	20	0.5
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG13	20	0.5
(1,1756)	1:29:B:SER:HA	1:68:B:GLU:HG2	8	0.5
(1,1755)	1:29:A:SER:HA	1:68:A:GLU:HG2	16	0.5
(1,1507)	1:60:A:GLU:HG3	1:64:A:ASN:HB3	13	0.5
(1,1370)	1:91:B:GLU:H	1:91:B:GLU:HB3	7	0.5
(1,483)	1:39:A:THR:H	1:41:A:LEU:HB2	13	0.5
(1,140)	1:41:B:LEU:HB2	1:43:B:GLY:H	16	0.5
(1,128)	1:7:B:ALA:H	1:9:B:GLU:HB3	4	0.5
(1,2729)	1:3:B:GLU:HG2	1:7:B:ALA:HB1	20	0.49
(1,2729)	1:3:B:GLU:HG2	1:7:B:ALA:HB2	20	0.49
(1,2729)	1:3:B:GLU:HG2	1:7:B:ALA:HB3	20	0.49
(1,2729)	1:3:B:GLU:HG3	1:7:B:ALA:HB1	20	0.49
(1,2729)	1:3:B:GLU:HG3	1:7:B:ALA:HB2	20	0.49
(1,2729)	1:3:B:GLU:HG3	1:7:B:ALA:HB3	20	0.49
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG2	10	0.49
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG3	10	0.49
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG21	6	0.49
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG22	6	0.49
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG23	6	0.49
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG21	6	0.49
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG22	6	0.49
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG23	6	0.49
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG21	6	0.49
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG22	6	0.49
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG23	6	0.49
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG21	20	0.49
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG22	20	0.49
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG23	20	0.49
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG21	20	0.49
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG22	20	0.49
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG23	20	0.49
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG21	20	0.49
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG22	20	0.49
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG23	20	0.49
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG21	14	0.49
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG22	14	0.49
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG23	14	0.49
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG21	14	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG22	14	0.49
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG23	14	0.49
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG21	14	0.49
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG22	14	0.49
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG23	14	0.49
(1,2162)	1:3:B:GLU:HA	1:6:B:THR:HB	16	0.49
(1,2161)	1:3:A:GLU:HA	1:6:A:THR:HB	15	0.49
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG21	2	0.49
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG22	2	0.49
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG23	2	0.49
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG21	16	0.49
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG22	16	0.49
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG23	16	0.49
(1,1981)	1:45:A:LEU:HB2	1:46:A:ASP:HB3	9	0.49
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB1	13	0.49
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB2	13	0.49
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB3	13	0.49
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB1	14	0.49
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB2	14	0.49
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB3	14	0.49
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB1	1	0.49
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB2	1	0.49
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB3	1	0.49
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB1	7	0.49
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB2	7	0.49
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB3	7	0.49
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG11	2	0.49
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG12	2	0.49
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG13	2	0.49
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG11	9	0.49
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG12	9	0.49
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG13	9	0.49
(1,1810)	1:41:B:LEU:HD11	1:44:B:PHE:HE1	13	0.49
(1,1810)	1:41:B:LEU:HD12	1:44:B:PHE:HE1	13	0.49
(1,1810)	1:41:B:LEU:HD13	1:44:B:PHE:HE1	13	0.49
(1,1769)	1:21:A:LYS:HD2	1:32:A:GLU:HG3	10	0.49
(1,1769)	1:21:A:LYS:HD3	1:32:A:GLU:HG3	10	0.49
(1,1769)	1:21:A:LYS:HD2	1:32:A:GLU:HG3	18	0.49
(1,1769)	1:21:A:LYS:HD3	1:32:A:GLU:HG3	18	0.49
(1,1640)	1:29:B:SER:HB2	1:31:B:LYS:HB3	15	0.49
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD21	13	0.49
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD22	13	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD23	13	0.49
(1,684)	1:13:B:ASN:HA	1:17:B:ALA:H	9	0.49
(1,484)	1:39:B:THR:H	1:41:B:LEU:HB2	1	0.49
(1,483)	1:39:A:THR:H	1:41:A:LEU:HB2	3	0.49
(1,483)	1:39:A:THR:H	1:41:A:LEU:HB2	9	0.49
(1,266)	1:41:B:LEU:HB3	1:44:B:PHE:H	15	0.49
(1,140)	1:41:B:LEU:HB2	1:43:B:GLY:H	2	0.49
(1,139)	1:41:A:LEU:HB2	1:43:A:GLY:H	5	0.49
(1,128)	1:7:B:ALA:H	1:9:B:GLU:HB3	16	0.49
(1,127)	1:7:A:ALA:H	1:9:A:GLU:HB3	17	0.49
(1,2813)	1:30:B:LYS:H	1:30:B:LYS:HD2	6	0.48
(1,2813)	1:30:B:LYS:H	1:30:B:LYS:HD3	6	0.48
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD11	18	0.48
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD12	18	0.48
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD13	18	0.48
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG21	2	0.48
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG22	2	0.48
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG23	2	0.48
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG21	2	0.48
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG22	2	0.48
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG23	2	0.48
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG21	2	0.48
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG22	2	0.48
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG23	2	0.48
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG21	3	0.48
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG22	3	0.48
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG23	3	0.48
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG21	3	0.48
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG22	3	0.48
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG23	3	0.48
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG21	3	0.48
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG22	3	0.48
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG23	3	0.48
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG21	7	0.48
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG22	7	0.48
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG23	7	0.48
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG21	7	0.48
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG22	7	0.48
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG23	7	0.48
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG21	7	0.48
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG22	7	0.48
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG23	7	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG21	12	0.48
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG22	12	0.48
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG23	12	0.48
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG21	12	0.48
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG22	12	0.48
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG23	12	0.48
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG21	12	0.48
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG22	12	0.48
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG23	12	0.48
(1,2312)	1:6:B:THR:HA	1:9:B:GLU:HB2	7	0.48
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG21	10	0.48
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG22	10	0.48
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG23	10	0.48
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG21	6	0.48
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG22	6	0.48
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG23	6	0.48
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD11	8	0.48
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD12	8	0.48
(1,2030)	1:37:B:LEU:HA	1:41:B:LEU:HD13	8	0.48
(1,1982)	1:45:B:LEU:HB2	1:46:B:ASP:HB3	14	0.48
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB1	16	0.48
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB2	16	0.48
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB3	16	0.48
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG11	18	0.48
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG12	18	0.48
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG13	18	0.48
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG11	1	0.48
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG12	1	0.48
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG13	1	0.48
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG11	8	0.48
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG12	8	0.48
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG13	8	0.48
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG21	12	0.48
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG22	12	0.48
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG23	12	0.48
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG21	18	0.48
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG22	18	0.48
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG23	18	0.48
(1,1782)	1:21:B:LYS:HG3	1:32:B:GLU:HB3	4	0.48
(1,1756)	1:29:B:SER:HA	1:68:B:GLU:HG2	9	0.48
(1,1755)	1:29:A:SER:HA	1:68:A:GLU:HG2	14	0.48
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD11	15	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD12	15	0.48
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD13	15	0.48
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD21	10	0.48
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD22	10	0.48
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD23	10	0.48
(1,683)	1:13:A:ASN:HA	1:17:A:ALA:H	20	0.48
(1,492)	1:41:B:LEU:HD21	1:44:B:PHE:H	5	0.48
(1,492)	1:41:B:LEU:HD22	1:44:B:PHE:H	5	0.48
(1,492)	1:41:B:LEU:HD23	1:44:B:PHE:H	5	0.48
(1,484)	1:39:B:THR:H	1:41:B:LEU:HB2	11	0.48
(1,483)	1:39:A:THR:H	1:41:A:LEU:HB2	8	0.48
(1,140)	1:41:B:LEU:HB2	1:43:B:GLY:H	6	0.48
(1,128)	1:7:B:ALA:H	1:9:B:GLU:HB3	13	0.48
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG2	18	0.47
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG3	18	0.47
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD11	3	0.47
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD12	3	0.47
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD13	3	0.47
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD11	5	0.47
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD12	5	0.47
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD13	5	0.47
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG21	4	0.47
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG22	4	0.47
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG23	4	0.47
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG21	4	0.47
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG22	4	0.47
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG23	4	0.47
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG21	4	0.47
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG22	4	0.47
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG23	4	0.47
(1,2162)	1:3:B:GLU:HA	1:6:B:THR:HB	6	0.47
(1,2155)	1:31:A:LYS:HG2	1:32:A:GLU:HB2	9	0.47
(1,2155)	1:31:A:LYS:HG3	1:32:A:GLU:HB2	9	0.47
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG21	13	0.47
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG22	13	0.47
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG23	13	0.47
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG21	13	0.47
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG22	13	0.47
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG23	13	0.47
(1,1982)	1:45:B:LEU:HB2	1:46:B:ASP:HB3	17	0.47
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB1	5	0.47
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB2	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB3	5	0.47
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG11	14	0.47
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG12	14	0.47
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG13	14	0.47
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG11	3	0.47
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG12	3	0.47
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG13	3	0.47
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG21	13	0.47
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG22	13	0.47
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG23	13	0.47
(1,1781)	1:21:A:LYS:HG3	1:32:A:GLU:HB3	17	0.47
(1,1756)	1:29:B:SER:HA	1:68:B:GLU:HG2	1	0.47
(1,1639)	1:29:A:SER:HB2	1:31:A:LYS:HB3	4	0.47
(1,1589)	1:24:A:ASP:HA	1:27:A:LYS:HB2	3	0.47
(1,1589)	1:24:A:ASP:HA	1:27:A:LYS:HB2	8	0.47
(1,760)	1:60:B:GLU:HG3	1:64:B:ASN:HD21	8	0.47
(1,759)	1:60:A:GLU:HG3	1:64:A:ASN:HD21	14	0.47
(1,484)	1:39:B:THR:H	1:41:B:LEU:HB2	6	0.47
(1,140)	1:41:B:LEU:HB2	1:43:B:GLY:H	9	0.47
(1,139)	1:41:A:LEU:HB2	1:43:A:GLY:H	6	0.47
(1,139)	1:41:A:LEU:HB2	1:43:A:GLY:H	10	0.47
(1,127)	1:7:A:ALA:H	1:9:A:GLU:HB3	9	0.47
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG2	10	0.46
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG3	10	0.46
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG2	6	0.46
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG3	6	0.46
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG11	12	0.46
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG12	12	0.46
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG13	12	0.46
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG21	12	0.46
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG22	12	0.46
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG23	12	0.46
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD11	14	0.46
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD12	14	0.46
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD13	14	0.46
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG21	4	0.46
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG22	4	0.46
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG23	4	0.46
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG21	4	0.46
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG22	4	0.46
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG23	4	0.46
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG21	4	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG22	4	0.46
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG23	4	0.46
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG21	10	0.46
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG22	10	0.46
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG23	10	0.46
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG21	10	0.46
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG22	10	0.46
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG23	10	0.46
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG21	10	0.46
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG22	10	0.46
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG23	10	0.46
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG21	13	0.46
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG22	13	0.46
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG23	13	0.46
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG21	13	0.46
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG22	13	0.46
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG23	13	0.46
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG21	13	0.46
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG22	13	0.46
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG23	13	0.46
(1,2311)	1:6:A:THR:HA	1:9:A:GLU:HB2	13	0.46
(1,2161)	1:3:A:GLU:HA	1:6:A:THR:HB	19	0.46
(1,2156)	1:31:B:LYS:HG2	1:32:B:GLU:HB2	4	0.46
(1,2156)	1:31:B:LYS:HG3	1:32:B:GLU:HB2	4	0.46
(1,2156)	1:31:B:LYS:HG2	1:32:B:GLU:HB2	5	0.46
(1,2156)	1:31:B:LYS:HG3	1:32:B:GLU:HB2	5	0.46
(1,2156)	1:31:B:LYS:HG2	1:32:B:GLU:HB2	6	0.46
(1,2156)	1:31:B:LYS:HG3	1:32:B:GLU:HB2	6	0.46
(1,2156)	1:31:B:LYS:HG2	1:32:B:GLU:HB2	10	0.46
(1,2156)	1:31:B:LYS:HG3	1:32:B:GLU:HB2	10	0.46
(1,2156)	1:31:B:LYS:HG2	1:32:B:GLU:HB2	12	0.46
(1,2156)	1:31:B:LYS:HG3	1:32:B:GLU:HB2	12	0.46
(1,2156)	1:31:B:LYS:HG2	1:32:B:GLU:HB2	13	0.46
(1,2156)	1:31:B:LYS:HG3	1:32:B:GLU:HB2	13	0.46
(1,2156)	1:31:B:LYS:HG2	1:32:B:GLU:HB2	16	0.46
(1,2156)	1:31:B:LYS:HG3	1:32:B:GLU:HB2	16	0.46
(1,2156)	1:31:B:LYS:HG2	1:32:B:GLU:HB2	17	0.46
(1,2156)	1:31:B:LYS:HG3	1:32:B:GLU:HB2	17	0.46
(1,2156)	1:31:B:LYS:HG2	1:32:B:GLU:HB2	18	0.46
(1,2156)	1:31:B:LYS:HG3	1:32:B:GLU:HB2	18	0.46
(1,2155)	1:31:A:LYS:HG2	1:32:A:GLU:HB2	2	0.46
(1,2155)	1:31:A:LYS:HG3	1:32:A:GLU:HB2	2	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2155)	1:31:A:LYS:HG2	1:32:A:GLU:HB2	5	0.46
(1,2155)	1:31:A:LYS:HG3	1:32:A:GLU:HB2	5	0.46
(1,2155)	1:31:A:LYS:HG2	1:32:A:GLU:HB2	7	0.46
(1,2155)	1:31:A:LYS:HG3	1:32:A:GLU:HB2	7	0.46
(1,2155)	1:31:A:LYS:HG2	1:32:A:GLU:HB2	8	0.46
(1,2155)	1:31:A:LYS:HG3	1:32:A:GLU:HB2	8	0.46
(1,2155)	1:31:A:LYS:HG2	1:32:A:GLU:HB2	10	0.46
(1,2155)	1:31:A:LYS:HG3	1:32:A:GLU:HB2	10	0.46
(1,2155)	1:31:A:LYS:HG2	1:32:A:GLU:HB2	12	0.46
(1,2155)	1:31:A:LYS:HG3	1:32:A:GLU:HB2	12	0.46
(1,2155)	1:31:A:LYS:HG2	1:32:A:GLU:HB2	14	0.46
(1,2155)	1:31:A:LYS:HG3	1:32:A:GLU:HB2	14	0.46
(1,2155)	1:31:A:LYS:HG2	1:32:A:GLU:HB2	16	0.46
(1,2155)	1:31:A:LYS:HG3	1:32:A:GLU:HB2	16	0.46
(1,2155)	1:31:A:LYS:HG2	1:32:A:GLU:HB2	20	0.46
(1,2155)	1:31:A:LYS:HG3	1:32:A:GLU:HB2	20	0.46
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG21	4	0.46
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG22	4	0.46
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG23	4	0.46
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG21	9	0.46
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG22	9	0.46
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG23	9	0.46
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG21	7	0.46
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG22	7	0.46
(1,2091)	1:7:A:ALA:HA	1:10:A:THR:HG23	7	0.46
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG11	8	0.46
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG12	8	0.46
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG13	8	0.46
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG11	11	0.46
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG12	11	0.46
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG13	11	0.46
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG11	12	0.46
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG12	12	0.46
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG13	12	0.46
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG21	16	0.46
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG22	16	0.46
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG23	16	0.46
(1,1691)	1:29:A:SER:HA	1:68:A:GLU:HG3	10	0.46
(1,1640)	1:29:B:SER:HB2	1:31:B:LYS:HB3	7	0.46
(1,1640)	1:29:B:SER:HB2	1:31:B:LYS:HB3	13	0.46
(1,1111)	1:52:A:ASP:HB2	1:53:A:ALA:H	8	0.46
(1,1111)	1:52:A:ASP:HB2	1:53:A:ALA:H	12	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,759)	1:60:A:GLU:HG3	1:64:A:ASN:HD21	12	0.46
(1,684)	1:13:B:ASN:HA	1:17:B:ALA:H	1	0.46
(1,483)	1:39:A:THR:H	1:41:A:LEU:HB2	5	0.46
(1,2889)	1:51:B:VAL:HG11	1:52:B:ASP:HB2	18	0.45
(1,2889)	1:51:B:VAL:HG12	1:52:B:ASP:HB2	18	0.45
(1,2889)	1:51:B:VAL:HG13	1:52:B:ASP:HB2	18	0.45
(1,2889)	1:51:B:VAL:HG21	1:52:B:ASP:HB2	18	0.45
(1,2889)	1:51:B:VAL:HG22	1:52:B:ASP:HB2	18	0.45
(1,2889)	1:51:B:VAL:HG23	1:52:B:ASP:HB2	18	0.45
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG11	5	0.45
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG12	5	0.45
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG13	5	0.45
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG21	5	0.45
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG22	5	0.45
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG23	5	0.45
(1,2464)	1:41:B:LEU:HG	1:44:B:PHE:HD1	15	0.45
(1,2464)	1:41:B:LEU:HG	1:44:B:PHE:HD1	19	0.45
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD11	9	0.45
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD12	9	0.45
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD13	9	0.45
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG21	16	0.45
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG22	16	0.45
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG23	16	0.45
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG21	16	0.45
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG22	16	0.45
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG23	16	0.45
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG21	16	0.45
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG22	16	0.45
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG23	16	0.45
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD11	19	0.45
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD12	19	0.45
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD13	19	0.45
(1,2156)	1:31:B:LYS:HG2	1:32:B:GLU:HB2	2	0.45
(1,2156)	1:31:B:LYS:HG3	1:32:B:GLU:HB2	2	0.45
(1,2156)	1:31:B:LYS:HG2	1:32:B:GLU:HB2	3	0.45
(1,2156)	1:31:B:LYS:HG3	1:32:B:GLU:HB2	3	0.45
(1,2156)	1:31:B:LYS:HG2	1:32:B:GLU:HB2	8	0.45
(1,2156)	1:31:B:LYS:HG3	1:32:B:GLU:HB2	8	0.45
(1,2156)	1:31:B:LYS:HG2	1:32:B:GLU:HB2	14	0.45
(1,2156)	1:31:B:LYS:HG3	1:32:B:GLU:HB2	14	0.45
(1,2156)	1:31:B:LYS:HG2	1:32:B:GLU:HB2	15	0.45
(1,2156)	1:31:B:LYS:HG3	1:32:B:GLU:HB2	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2156)	1:31:B:LYS:HG2	1:32:B:GLU:HB2	19	0.45
(1,2156)	1:31:B:LYS:HG3	1:32:B:GLU:HB2	19	0.45
(1,2155)	1:31:A:LYS:HG2	1:32:A:GLU:HB2	1	0.45
(1,2155)	1:31:A:LYS:HG3	1:32:A:GLU:HB2	1	0.45
(1,2155)	1:31:A:LYS:HG2	1:32:A:GLU:HB2	4	0.45
(1,2155)	1:31:A:LYS:HG3	1:32:A:GLU:HB2	4	0.45
(1,2155)	1:31:A:LYS:HG2	1:32:A:GLU:HB2	6	0.45
(1,2155)	1:31:A:LYS:HG3	1:32:A:GLU:HB2	6	0.45
(1,2155)	1:31:A:LYS:HG2	1:32:A:GLU:HB2	11	0.45
(1,2155)	1:31:A:LYS:HG3	1:32:A:GLU:HB2	11	0.45
(1,2155)	1:31:A:LYS:HG2	1:32:A:GLU:HB2	13	0.45
(1,2155)	1:31:A:LYS:HG3	1:32:A:GLU:HB2	13	0.45
(1,2155)	1:31:A:LYS:HG2	1:32:A:GLU:HB2	15	0.45
(1,2155)	1:31:A:LYS:HG3	1:32:A:GLU:HB2	15	0.45
(1,2155)	1:31:A:LYS:HG2	1:32:A:GLU:HB2	17	0.45
(1,2155)	1:31:A:LYS:HG3	1:32:A:GLU:HB2	17	0.45
(1,2155)	1:31:A:LYS:HG2	1:32:A:GLU:HB2	18	0.45
(1,2155)	1:31:A:LYS:HG3	1:32:A:GLU:HB2	18	0.45
(1,2155)	1:31:A:LYS:HG2	1:32:A:GLU:HB2	19	0.45
(1,2155)	1:31:A:LYS:HG3	1:32:A:GLU:HB2	19	0.45
(1,1981)	1:45:A:LEU:HB2	1:46:A:ASP:HB3	1	0.45
(1,1962)	1:31:B:LYS:HE2	1:32:B:GLU:HG3	20	0.45
(1,1962)	1:31:B:LYS:HE3	1:32:B:GLU:HG3	20	0.45
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG11	6	0.45
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG12	6	0.45
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG13	6	0.45
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG21	2	0.45
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG22	2	0.45
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG23	2	0.45
(1,1755)	1:29:A:SER:HA	1:68:A:GLU:HG2	7	0.45
(1,1755)	1:29:A:SER:HA	1:68:A:GLU:HG2	18	0.45
(1,1742)	1:8:A:MET:HE1	1:44:B:PHE:HZ	16	0.45
(1,1742)	1:8:A:MET:HE2	1:44:B:PHE:HZ	16	0.45
(1,1742)	1:8:A:MET:HE3	1:44:B:PHE:HZ	16	0.45
(1,1557)	1:34:A:LYS:HG3	1:62:A:ASP:HA	3	0.45
(1,1557)	1:34:A:LYS:HG3	1:62:A:ASP:HA	9	0.45
(1,1370)	1:91:B:GLU:H	1:91:B:GLU:HB3	15	0.45
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD11	9	0.45
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD12	9	0.45
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD13	9	0.45
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD21	11	0.45
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD22	11	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD23	11	0.45
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD21	13	0.45
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD22	13	0.45
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD23	13	0.45
(1,683)	1:13:A:ASN:HA	1:17:A:ALA:H	13	0.45
(1,484)	1:39:B:THR:H	1:41:B:LEU:HB2	7	0.45
(1,459)	1:76:A:VAL:HG11	1:72:B:GLN:HE22	16	0.45
(1,459)	1:76:A:VAL:HG12	1:72:B:GLN:HE22	16	0.45
(1,459)	1:76:A:VAL:HG13	1:72:B:GLN:HE22	16	0.45
(1,265)	1:41:A:LEU:HB3	1:44:A:PHE:H	17	0.45
(1,140)	1:41:B:LEU:HB2	1:43:B:GLY:H	7	0.45
(1,140)	1:41:B:LEU:HB2	1:43:B:GLY:H	11	0.45
(1,140)	1:41:B:LEU:HB2	1:43:B:GLY:H	14	0.45
(1,139)	1:41:A:LEU:HB2	1:43:A:GLY:H	2	0.45
(1,139)	1:41:A:LEU:HB2	1:43:A:GLY:H	15	0.45
(1,127)	1:7:A:ALA:H	1:9:A:GLU:HB3	19	0.45
(1,2813)	1:30:B:LYS:H	1:30:B:LYS:HD2	11	0.44
(1,2813)	1:30:B:LYS:H	1:30:B:LYS:HD3	11	0.44
(1,2696)	1:51:A:VAL:HG11	1:52:A:ASP:HB2	2	0.44
(1,2696)	1:51:A:VAL:HG12	1:52:A:ASP:HB2	2	0.44
(1,2696)	1:51:A:VAL:HG13	1:52:A:ASP:HB2	2	0.44
(1,2696)	1:51:A:VAL:HG21	1:52:A:ASP:HB2	2	0.44
(1,2696)	1:51:A:VAL:HG22	1:52:A:ASP:HB2	2	0.44
(1,2696)	1:51:A:VAL:HG23	1:52:A:ASP:HB2	2	0.44
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG11	5	0.44
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG12	5	0.44
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG13	5	0.44
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG21	5	0.44
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG22	5	0.44
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG23	5	0.44
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG21	9	0.44
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG22	9	0.44
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG23	9	0.44
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG21	9	0.44
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG22	9	0.44
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG23	9	0.44
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG21	9	0.44
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG22	9	0.44
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG23	9	0.44
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG21	5	0.44
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG22	5	0.44
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG23	5	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG21	5	0.44
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG22	5	0.44
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG23	5	0.44
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG21	5	0.44
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG22	5	0.44
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG23	5	0.44
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG21	9	0.44
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG22	9	0.44
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG23	9	0.44
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG21	9	0.44
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG22	9	0.44
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG23	9	0.44
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG21	9	0.44
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG22	9	0.44
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG23	9	0.44
(1,2156)	1:31:B:LYS:HG2	1:32:B:GLU:HB2	9	0.44
(1,2156)	1:31:B:LYS:HG3	1:32:B:GLU:HB2	9	0.44
(1,2156)	1:31:B:LYS:HG2	1:32:B:GLU:HB2	11	0.44
(1,2156)	1:31:B:LYS:HG3	1:32:B:GLU:HB2	11	0.44
(1,2125)	1:21:A:LYS:HD2	1:32:A:GLU:HB2	7	0.44
(1,2125)	1:21:A:LYS:HD3	1:32:A:GLU:HB2	7	0.44
(1,2119)	1:21:A:LYS:HD2	1:32:A:GLU:HG2	2	0.44
(1,2119)	1:21:A:LYS:HD3	1:32:A:GLU:HG2	2	0.44
(1,1982)	1:45:B:LEU:HB2	1:46:B:ASP:HB3	1	0.44
(1,1981)	1:45:A:LEU:HB2	1:46:A:ASP:HB3	20	0.44
(1,1962)	1:31:B:LYS:HE2	1:32:B:GLU:HG3	2	0.44
(1,1962)	1:31:B:LYS:HE3	1:32:B:GLU:HG3	2	0.44
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB1	9	0.44
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB2	9	0.44
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB3	9	0.44
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG11	5	0.44
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG12	5	0.44
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG13	5	0.44
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG11	11	0.44
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG12	11	0.44
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG13	11	0.44
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG11	13	0.44
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG12	13	0.44
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG13	13	0.44
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG21	5	0.44
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG22	5	0.44
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG23	5	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG21	9	0.44
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG22	9	0.44
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG23	9	0.44
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG21	8	0.44
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG22	8	0.44
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG23	8	0.44
(1,1756)	1:29:B:SER:HA	1:68:B:GLU:HG2	5	0.44
(1,1691)	1:29:A:SER:HA	1:68:A:GLU:HG3	20	0.44
(1,1639)	1:29:A:SER:HB2	1:31:A:LYS:HB3	8	0.44
(1,1508)	1:60:B:GLU:HG3	1:64:B:ASN:HB3	10	0.44
(1,1112)	1:52:B:ASP:HB2	1:53:B:ALA:H	6	0.44
(1,1111)	1:52:A:ASP:HB2	1:53:A:ALA:H	14	0.44
(1,683)	1:13:A:ASN:HA	1:17:A:ALA:H	15	0.44
(1,683)	1:13:A:ASN:HA	1:17:A:ALA:H	17	0.44
(1,489)	1:64:A:ASN:HA	1:67:A:GLY:H	20	0.44
(1,483)	1:39:A:THR:H	1:41:A:LEU:HB2	14	0.44
(1,139)	1:41:A:LEU:HB2	1:43:A:GLY:H	3	0.44
(1,139)	1:41:A:LEU:HB2	1:43:A:GLY:H	4	0.44
(1,139)	1:41:A:LEU:HB2	1:43:A:GLY:H	7	0.44
(1,139)	1:41:A:LEU:HB2	1:43:A:GLY:H	14	0.44
(1,127)	1:7:A:ALA:H	1:9:A:GLU:HB3	15	0.44
(1,73)	1:9:A:GLU:HB2	1:13:A:ASN:HD21	6	0.44
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG2	12	0.43
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG3	12	0.43
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG2	17	0.43
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG3	17	0.43
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD11	12	0.43
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD12	12	0.43
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD13	12	0.43
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG21	17	0.43
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG22	17	0.43
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG23	17	0.43
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG21	17	0.43
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG22	17	0.43
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG23	17	0.43
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG21	17	0.43
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG22	17	0.43
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG23	17	0.43
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD11	17	0.43
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD12	17	0.43
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD13	17	0.43
(1,2156)	1:31:B:LYS:HG2	1:32:B:GLU:HB2	1	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2156)	1:31:B:LYS:HG3	1:32:B:GLU:HB2	1	0.43
(1,2156)	1:31:B:LYS:HG2	1:32:B:GLU:HB2	7	0.43
(1,2156)	1:31:B:LYS:HG3	1:32:B:GLU:HB2	7	0.43
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG21	7	0.43
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG22	7	0.43
(1,2092)	1:7:B:ALA:HA	1:10:B:THR:HG23	7	0.43
(1,1917)	1:21:A:LYS:HD2	1:32:A:GLU:HB3	10	0.43
(1,1917)	1:21:A:LYS:HD3	1:32:A:GLU:HB3	10	0.43
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG11	7	0.43
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG12	7	0.43
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG13	7	0.43
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG11	9	0.43
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG12	9	0.43
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG13	9	0.43
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG21	1	0.43
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG22	1	0.43
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG23	1	0.43
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG21	17	0.43
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG22	17	0.43
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG23	17	0.43
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG21	1	0.43
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG22	1	0.43
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG23	1	0.43
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG21	12	0.43
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG22	12	0.43
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG23	12	0.43
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG21	19	0.43
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG22	19	0.43
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG23	19	0.43
(1,1756)	1:29:B:SER:HA	1:68:B:GLU:HG2	13	0.43
(1,1755)	1:29:A:SER:HA	1:68:A:GLU:HG2	11	0.43
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE1	20	0.43
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE2	20	0.43
(1,1741)	1:44:A:PHE:HZ	1:8:B:MET:HE3	20	0.43
(1,1640)	1:29:B:SER:HB2	1:31:B:LYS:HB3	1	0.43
(1,1639)	1:29:A:SER:HB2	1:31:A:LYS:HB3	1	0.43
(1,1558)	1:34:B:LYS:HG3	1:62:B:ASP:HA	7	0.43
(1,1154)	1:28:B:LEU:HD21	1:29:B:SER:H	12	0.43
(1,1154)	1:28:B:LEU:HD22	1:29:B:SER:H	12	0.43
(1,1154)	1:28:B:LEU:HD23	1:29:B:SER:H	12	0.43
(1,1112)	1:52:B:ASP:HB2	1:53:B:ALA:H	13	0.43
(1,1111)	1:52:A:ASP:HB2	1:53:A:ALA:H	19	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,845)	1:31:A:LYS:HB2	1:32:A:GLU:H	3	0.43
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD21	12	0.43
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD22	12	0.43
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD23	12	0.43
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD21	17	0.43
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD22	17	0.43
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD23	17	0.43
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD21	5	0.43
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD22	5	0.43
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD23	5	0.43
(1,750)	1:60:B:GLU:HG3	1:64:B:ASN:HD22	18	0.43
(1,651)	1:30:A:LYS:HB2	1:65:A:GLY:H	4	0.43
(1,484)	1:39:B:THR:H	1:41:B:LEU:HB2	16	0.43
(1,483)	1:39:A:THR:H	1:41:A:LEU:HB2	12	0.43
(1,128)	1:7:B:ALA:H	1:9:B:GLU:HB3	12	0.43
(1,2800)	1:28:B:LEU:HD11	1:32:B:GLU:H	5	0.42
(1,2800)	1:28:B:LEU:HD12	1:32:B:GLU:H	5	0.42
(1,2800)	1:28:B:LEU:HD13	1:32:B:GLU:H	5	0.42
(1,2800)	1:28:B:LEU:HD21	1:32:B:GLU:H	5	0.42
(1,2800)	1:28:B:LEU:HD22	1:32:B:GLU:H	5	0.42
(1,2800)	1:28:B:LEU:HD23	1:32:B:GLU:H	5	0.42
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG2	5	0.42
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG3	5	0.42
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG2	17	0.42
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG3	17	0.42
(1,2530)	1:5:A:GLU:HG2	1:41:B:LEU:HD21	14	0.42
(1,2530)	1:5:A:GLU:HG2	1:41:B:LEU:HD22	14	0.42
(1,2530)	1:5:A:GLU:HG2	1:41:B:LEU:HD23	14	0.42
(1,2530)	1:5:A:GLU:HG3	1:41:B:LEU:HD21	14	0.42
(1,2530)	1:5:A:GLU:HG3	1:41:B:LEU:HD22	14	0.42
(1,2530)	1:5:A:GLU:HG3	1:41:B:LEU:HD23	14	0.42
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD11	3	0.42
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD12	3	0.42
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD13	3	0.42
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG21	10	0.42
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG22	10	0.42
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG23	10	0.42
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG21	10	0.42
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG22	10	0.42
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG23	10	0.42
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG21	10	0.42
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG22	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG23	10	0.42
(1,2311)	1:6:A:THR:HA	1:9:A:GLU:HB2	6	0.42
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD11	5	0.42
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD12	5	0.42
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD13	5	0.42
(1,1982)	1:45:B:LEU:HB2	1:46:B:ASP:HB3	10	0.42
(1,1981)	1:45:A:LEU:HB2	1:46:A:ASP:HB3	11	0.42
(1,1962)	1:31:B:LYS:HE2	1:32:B:GLU:HG3	5	0.42
(1,1962)	1:31:B:LYS:HE3	1:32:B:GLU:HG3	5	0.42
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG11	4	0.42
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG12	4	0.42
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG13	4	0.42
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG11	6	0.42
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG12	6	0.42
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG13	6	0.42
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG11	13	0.42
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG12	13	0.42
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG13	13	0.42
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG11	14	0.42
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG12	14	0.42
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG13	14	0.42
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG21	20	0.42
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG22	20	0.42
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG23	20	0.42
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG21	13	0.42
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG22	13	0.42
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG23	13	0.42
(1,1756)	1:29:B:SER:HA	1:68:B:GLU:HG2	17	0.42
(1,1692)	1:29:B:SER:HA	1:68:B:GLU:HG3	16	0.42
(1,1153)	1:28:A:LEU:HD21	1:29:A:SER:H	8	0.42
(1,1153)	1:28:A:LEU:HD22	1:29:A:SER:H	8	0.42
(1,1153)	1:28:A:LEU:HD23	1:29:A:SER:H	8	0.42
(1,1111)	1:52:A:ASP:HB2	1:53:A:ALA:H	4	0.42
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD21	10	0.42
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD22	10	0.42
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD23	10	0.42
(1,619)	1:65:A:GLY:H	1:67:A:GLY:H	18	0.42
(1,484)	1:39:B:THR:H	1:41:B:LEU:HB2	2	0.42
(1,484)	1:39:B:THR:H	1:41:B:LEU:HB2	14	0.42
(1,459)	1:76:A:VAL:HG11	1:72:B:GLN:HE22	8	0.42
(1,459)	1:76:A:VAL:HG12	1:72:B:GLN:HE22	8	0.42
(1,459)	1:76:A:VAL:HG13	1:72:B:GLN:HE22	8	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:41:B:LEU:HB2	1:43:B:GLY:H	13	0.42
(1,139)	1:41:A:LEU:HB2	1:43:A:GLY:H	1	0.42
(1,139)	1:41:A:LEU:HB2	1:43:A:GLY:H	12	0.42
(1,128)	1:7:B:ALA:H	1:9:B:GLU:HB3	1	0.42
(1,2889)	1:51:B:VAL:HG11	1:52:B:ASP:HB2	7	0.41
(1,2889)	1:51:B:VAL:HG12	1:52:B:ASP:HB2	7	0.41
(1,2889)	1:51:B:VAL:HG13	1:52:B:ASP:HB2	7	0.41
(1,2889)	1:51:B:VAL:HG21	1:52:B:ASP:HB2	7	0.41
(1,2889)	1:51:B:VAL:HG22	1:52:B:ASP:HB2	7	0.41
(1,2889)	1:51:B:VAL:HG23	1:52:B:ASP:HB2	7	0.41
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG2	20	0.41
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG3	20	0.41
(1,2605)	1:28:A:LEU:HD11	1:32:A:GLU:H	5	0.41
(1,2605)	1:28:A:LEU:HD12	1:32:A:GLU:H	5	0.41
(1,2605)	1:28:A:LEU:HD13	1:32:A:GLU:H	5	0.41
(1,2605)	1:28:A:LEU:HD21	1:32:A:GLU:H	5	0.41
(1,2605)	1:28:A:LEU:HD22	1:32:A:GLU:H	5	0.41
(1,2605)	1:28:A:LEU:HD23	1:32:A:GLU:H	5	0.41
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD11	8	0.41
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD12	8	0.41
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD13	8	0.41
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG21	13	0.41
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG22	13	0.41
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG23	13	0.41
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG21	13	0.41
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG22	13	0.41
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG23	13	0.41
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG21	13	0.41
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG22	13	0.41
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG23	13	0.41
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG21	18	0.41
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG22	18	0.41
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG23	18	0.41
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG21	18	0.41
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG22	18	0.41
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG23	18	0.41
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG21	18	0.41
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG22	18	0.41
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG23	18	0.41
(1,2311)	1:6:A:THR:HA	1:9:A:GLU:HB2	4	0.41
(1,2161)	1:3:A:GLU:HA	1:6:A:THR:HB	8	0.41
(1,2161)	1:3:A:GLU:HA	1:6:A:THR:HB	11	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1982)	1:45:B:LEU:HB2	1:46:B:ASP:HB3	3	0.41
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB1	20	0.41
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB2	20	0.41
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB3	20	0.41
(1,1918)	1:21:B:LYS:HD2	1:32:B:GLU:HB3	3	0.41
(1,1918)	1:21:B:LYS:HD3	1:32:B:GLU:HB3	3	0.41
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG11	5	0.41
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG12	5	0.41
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG13	5	0.41
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG11	15	0.41
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG12	15	0.41
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG13	15	0.41
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG11	20	0.41
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG12	20	0.41
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG13	20	0.41
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG21	6	0.41
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG22	6	0.41
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG23	6	0.41
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG21	11	0.41
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG22	11	0.41
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG23	11	0.41
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG21	14	0.41
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG22	14	0.41
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG23	14	0.41
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG21	15	0.41
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG22	15	0.41
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG23	15	0.41
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG21	3	0.41
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG22	3	0.41
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG23	3	0.41
(1,1782)	1:21:B:LYS:HG3	1:32:B:GLU:HB3	1	0.41
(1,1781)	1:21:A:LYS:HG3	1:32:A:GLU:HB3	6	0.41
(1,1781)	1:21:A:LYS:HG3	1:32:A:GLU:HB3	13	0.41
(1,1369)	1:91:A:GLU:H	1:91:A:GLU:HB3	20	0.41
(1,1154)	1:28:B:LEU:HD21	1:29:B:SER:H	17	0.41
(1,1154)	1:28:B:LEU:HD22	1:29:B:SER:H	17	0.41
(1,1154)	1:28:B:LEU:HD23	1:29:B:SER:H	17	0.41
(1,1112)	1:52:B:ASP:HB2	1:53:B:ALA:H	9	0.41
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD21	7	0.41
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD22	7	0.41
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD23	7	0.41
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD21	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD22	9	0.41
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD23	9	0.41
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD21	2	0.41
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD22	2	0.41
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD23	2	0.41
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD21	16	0.41
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD22	16	0.41
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD23	16	0.41
(1,620)	1:65:B:GLY:H	1:67:B:GLY:H	6	0.41
(1,140)	1:41:B:LEU:HB2	1:43:B:GLY:H	4	0.41
(1,139)	1:41:A:LEU:HB2	1:43:A:GLY:H	8	0.41
(1,127)	1:7:A:ALA:H	1:9:A:GLU:HB3	2	0.41
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG2	11	0.4
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG3	11	0.4
(1,2696)	1:51:A:VAL:HG11	1:52:A:ASP:HB2	20	0.4
(1,2696)	1:51:A:VAL:HG12	1:52:A:ASP:HB2	20	0.4
(1,2696)	1:51:A:VAL:HG13	1:52:A:ASP:HB2	20	0.4
(1,2696)	1:51:A:VAL:HG21	1:52:A:ASP:HB2	20	0.4
(1,2696)	1:51:A:VAL:HG22	1:52:A:ASP:HB2	20	0.4
(1,2696)	1:51:A:VAL:HG23	1:52:A:ASP:HB2	20	0.4
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE1	16	0.4
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE2	16	0.4
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE3	16	0.4
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE1	17	0.4
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE2	17	0.4
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE3	17	0.4
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD11	18	0.4
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD12	18	0.4
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD13	18	0.4
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG21	5	0.4
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG22	5	0.4
(1,2330)	1:75:B:VAL:HG21	1:78:B:VAL:HG23	5	0.4
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG21	5	0.4
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG22	5	0.4
(1,2330)	1:75:B:VAL:HG22	1:78:B:VAL:HG23	5	0.4
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG21	5	0.4
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG22	5	0.4
(1,2330)	1:75:B:VAL:HG23	1:78:B:VAL:HG23	5	0.4
(1,2312)	1:6:B:THR:HA	1:9:B:GLU:HB2	9	0.4
(1,2162)	1:3:B:GLU:HA	1:6:B:THR:HB	1	0.4
(1,2162)	1:3:B:GLU:HA	1:6:B:THR:HB	13	0.4
(1,2161)	1:3:A:GLU:HA	1:6:A:THR:HB	10	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2161)	1:3:A:GLU:HA	1:6:A:THR:HB	14	0.4
(1,2108)	1:30:B:LYS:HB3	1:61:B:LEU:HD21	2	0.4
(1,2108)	1:30:B:LYS:HB3	1:61:B:LEU:HD22	2	0.4
(1,2108)	1:30:B:LYS:HB3	1:61:B:LEU:HD23	2	0.4
(1,1982)	1:45:B:LEU:HB2	1:46:B:ASP:HB3	13	0.4
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB1	18	0.4
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB2	18	0.4
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB3	18	0.4
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG11	7	0.4
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG12	7	0.4
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG13	7	0.4
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG21	5	0.4
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG22	5	0.4
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG23	5	0.4
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG21	17	0.4
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG22	17	0.4
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG23	17	0.4
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG21	20	0.4
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG22	20	0.4
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG23	20	0.4
(1,1755)	1:29:A:SER:HA	1:68:A:GLU:HG2	4	0.4
(1,1640)	1:29:B:SER:HB2	1:31:B:LYS:HB3	19	0.4
(1,1639)	1:29:A:SER:HB2	1:31:A:LYS:HB3	3	0.4
(1,1590)	1:24:B:ASP:HA	1:27:B:LYS:HB2	7	0.4
(1,1590)	1:24:B:ASP:HA	1:27:B:LYS:HB2	12	0.4
(1,1154)	1:28:B:LEU:HD21	1:29:B:SER:H	2	0.4
(1,1154)	1:28:B:LEU:HD22	1:29:B:SER:H	2	0.4
(1,1154)	1:28:B:LEU:HD23	1:29:B:SER:H	2	0.4
(1,1154)	1:28:B:LEU:HD21	1:29:B:SER:H	3	0.4
(1,1154)	1:28:B:LEU:HD22	1:29:B:SER:H	3	0.4
(1,1154)	1:28:B:LEU:HD23	1:29:B:SER:H	3	0.4
(1,1112)	1:52:B:ASP:HB2	1:53:B:ALA:H	8	0.4
(1,1112)	1:52:B:ASP:HB2	1:53:B:ALA:H	12	0.4
(1,1112)	1:52:B:ASP:HB2	1:53:B:ALA:H	17	0.4
(1,1111)	1:52:A:ASP:HB2	1:53:A:ALA:H	6	0.4
(1,1111)	1:52:A:ASP:HB2	1:53:A:ALA:H	16	0.4
(1,1040)	1:9:B:GLU:HB3	1:10:B:THR:H	16	0.4
(1,1039)	1:9:A:GLU:HB3	1:10:A:THR:H	15	0.4
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD11	17	0.4
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD12	17	0.4
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD13	17	0.4
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD21	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD22	8	0.4
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD23	8	0.4
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD21	16	0.4
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD22	16	0.4
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD23	16	0.4
(1,651)	1:30:A:LYS:HB2	1:65:A:GLY:H	7	0.4
(1,651)	1:30:A:LYS:HB2	1:65:A:GLY:H	20	0.4
(1,501)	1:12:A:ILE:HD11	1:13:A:ASN:H	19	0.4
(1,501)	1:12:A:ILE:HD12	1:13:A:ASN:H	19	0.4
(1,501)	1:12:A:ILE:HD13	1:13:A:ASN:H	19	0.4
(1,483)	1:39:A:THR:H	1:41:A:LEU:HB2	1	0.4
(1,266)	1:41:B:LEU:HB3	1:44:B:PHE:H	19	0.4
(1,140)	1:41:B:LEU:HB2	1:43:B:GLY:H	19	0.4
(1,128)	1:7:B:ALA:H	1:9:B:GLU:HB3	2	0.4
(1,73)	1:9:A:GLU:HB2	1:13:A:ASN:HD21	13	0.4
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG11	7	0.39
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG12	7	0.39
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG13	7	0.39
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG21	7	0.39
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG22	7	0.39
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG23	7	0.39
(1,2671)	1:41:A:LEU:HD21	1:5:B:GLU:HG2	5	0.39
(1,2671)	1:41:A:LEU:HD21	1:5:B:GLU:HG3	5	0.39
(1,2671)	1:41:A:LEU:HD22	1:5:B:GLU:HG2	5	0.39
(1,2671)	1:41:A:LEU:HD22	1:5:B:GLU:HG3	5	0.39
(1,2671)	1:41:A:LEU:HD23	1:5:B:GLU:HG2	5	0.39
(1,2671)	1:41:A:LEU:HD23	1:5:B:GLU:HG3	5	0.39
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD2	17	0.39
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD3	17	0.39
(1,2605)	1:28:A:LEU:HD11	1:32:A:GLU:H	18	0.39
(1,2605)	1:28:A:LEU:HD12	1:32:A:GLU:H	18	0.39
(1,2605)	1:28:A:LEU:HD13	1:32:A:GLU:H	18	0.39
(1,2605)	1:28:A:LEU:HD21	1:32:A:GLU:H	18	0.39
(1,2605)	1:28:A:LEU:HD22	1:32:A:GLU:H	18	0.39
(1,2605)	1:28:A:LEU:HD23	1:32:A:GLU:H	18	0.39
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE1	7	0.39
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE2	7	0.39
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE3	7	0.39
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE1	14	0.39
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE2	14	0.39
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE3	14	0.39
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE1	19	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE2	19	0.39
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE3	19	0.39
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE1	7	0.39
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE2	7	0.39
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE3	7	0.39
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE1	13	0.39
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE2	13	0.39
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE3	13	0.39
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE1	17	0.39
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE2	17	0.39
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE3	17	0.39
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD11	13	0.39
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD12	13	0.39
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD13	13	0.39
(1,2162)	1:3:B:GLU:HA	1:6:B:THR:HB	4	0.39
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB1	10	0.39
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB2	10	0.39
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB3	10	0.39
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG11	2	0.39
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG12	2	0.39
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG13	2	0.39
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG21	7	0.39
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG22	7	0.39
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG23	7	0.39
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG21	9	0.39
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG22	9	0.39
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG23	9	0.39
(1,1756)	1:29:B:SER:HA	1:68:B:GLU:HG2	6	0.39
(1,1755)	1:29:A:SER:HA	1:68:A:GLU:HG2	20	0.39
(1,1640)	1:29:B:SER:HB2	1:31:B:LYS:HB3	9	0.39
(1,1640)	1:29:B:SER:HB2	1:31:B:LYS:HB3	12	0.39
(1,1640)	1:29:B:SER:HB2	1:31:B:LYS:HB3	14	0.39
(1,1639)	1:29:A:SER:HB2	1:31:A:LYS:HB3	10	0.39
(1,1541)	1:33:A:LEU:HA	1:36:A:LEU:HA	7	0.39
(1,1508)	1:60:B:GLU:HG3	1:64:B:ASN:HB3	1	0.39
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG21	16	0.39
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG22	16	0.39
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG23	16	0.39
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG21	16	0.39
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG22	16	0.39
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG23	16	0.39
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG21	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG22	16	0.39
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG23	16	0.39
(1,1153)	1:28:A:LEU:HD21	1:29:A:SER:H	1	0.39
(1,1153)	1:28:A:LEU:HD22	1:29:A:SER:H	1	0.39
(1,1153)	1:28:A:LEU:HD23	1:29:A:SER:H	1	0.39
(1,1153)	1:28:A:LEU:HD21	1:29:A:SER:H	5	0.39
(1,1153)	1:28:A:LEU:HD22	1:29:A:SER:H	5	0.39
(1,1153)	1:28:A:LEU:HD23	1:29:A:SER:H	5	0.39
(1,1111)	1:52:A:ASP:HB2	1:53:A:ALA:H	5	0.39
(1,1111)	1:52:A:ASP:HB2	1:53:A:ALA:H	7	0.39
(1,1040)	1:9:B:GLU:HB3	1:10:B:THR:H	1	0.39
(1,1040)	1:9:B:GLU:HB3	1:10:B:THR:H	12	0.39
(1,1040)	1:9:B:GLU:HB3	1:10:B:THR:H	15	0.39
(1,1039)	1:9:A:GLU:HB3	1:10:A:THR:H	16	0.39
(1,1039)	1:9:A:GLU:HB3	1:10:A:THR:H	17	0.39
(1,1039)	1:9:A:GLU:HB3	1:10:A:THR:H	19	0.39
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD11	5	0.39
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD12	5	0.39
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD13	5	0.39
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD11	19	0.39
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD12	19	0.39
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD13	19	0.39
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD21	4	0.39
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD22	4	0.39
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD23	4	0.39
(1,760)	1:60:B:GLU:HG3	1:64:B:ASN:HD21	11	0.39
(1,749)	1:60:A:GLU:HG3	1:64:A:ASN:HD22	7	0.39
(1,722)	1:9:B:GLU:HB2	1:10:B:THR:H	15	0.39
(1,721)	1:9:A:GLU:HB2	1:10:A:THR:H	1	0.39
(1,651)	1:30:A:LYS:HB2	1:65:A:GLY:H	1	0.39
(1,651)	1:30:A:LYS:HB2	1:65:A:GLY:H	3	0.39
(1,484)	1:39:B:THR:H	1:41:B:LEU:HB2	13	0.39
(1,483)	1:39:A:THR:H	1:41:A:LEU:HB2	10	0.39
(1,483)	1:39:A:THR:H	1:41:A:LEU:HB2	11	0.39
(1,317)	1:20:A:GLY:H	1:28:A:LEU:HB3	7	0.39
(1,140)	1:41:B:LEU:HB2	1:43:B:GLY:H	1	0.39
(1,128)	1:7:B:ALA:H	1:9:B:GLU:HB3	17	0.39
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG2	14	0.38
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG3	14	0.38
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD2	12	0.38
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD3	12	0.38
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD2	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD3	14	0.38
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG2	5	0.38
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG3	5	0.38
(1,2605)	1:28:A:LEU:HD11	1:32:A:GLU:H	4	0.38
(1,2605)	1:28:A:LEU:HD12	1:32:A:GLU:H	4	0.38
(1,2605)	1:28:A:LEU:HD13	1:32:A:GLU:H	4	0.38
(1,2605)	1:28:A:LEU:HD21	1:32:A:GLU:H	4	0.38
(1,2605)	1:28:A:LEU:HD22	1:32:A:GLU:H	4	0.38
(1,2605)	1:28:A:LEU:HD23	1:32:A:GLU:H	4	0.38
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG11	20	0.38
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG12	20	0.38
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG13	20	0.38
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG21	20	0.38
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG22	20	0.38
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG23	20	0.38
(1,2500)	1:36:B:LEU:HG	1:74:B:TYR:HE1	3	0.38
(1,2464)	1:41:B:LEU:HG	1:44:B:PHE:HD1	18	0.38
(1,2463)	1:41:A:LEU:HG	1:44:A:PHE:HD1	15	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE1	1	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE2	1	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE3	1	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE1	2	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE2	2	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE3	2	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE1	3	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE2	3	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE3	3	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE1	8	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE2	8	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE3	8	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE1	9	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE2	9	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE3	9	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE1	10	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE2	10	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE3	10	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE1	11	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE2	11	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE3	11	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE1	12	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE2	12	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE3	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE1	13	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE2	13	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE3	13	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE1	18	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE2	18	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE3	18	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE1	20	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE2	20	0.38
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE3	20	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE1	1	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE2	1	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE3	1	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE1	3	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE2	3	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE3	3	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE1	5	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE2	5	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE3	5	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE1	8	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE2	8	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE3	8	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE1	10	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE2	10	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE3	10	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE1	14	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE2	14	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE3	14	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE1	19	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE2	19	0.38
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE3	19	0.38
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD11	15	0.38
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD12	15	0.38
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD13	15	0.38
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD11	7	0.38
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD12	7	0.38
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD13	7	0.38
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG21	12	0.38
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG22	12	0.38
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG23	12	0.38
(1,2107)	1:30:A:LYS:HB3	1:61:A:LEU:HD21	13	0.38
(1,2107)	1:30:A:LYS:HB3	1:61:A:LEU:HD22	13	0.38
(1,2107)	1:30:A:LYS:HB3	1:61:A:LEU:HD23	13	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1982)	1:45:B:LEU:HB2	1:46:B:ASP:HB3	11	0.38
(1,1981)	1:45:A:LEU:HB2	1:46:A:ASP:HB3	19	0.38
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG11	15	0.38
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG12	15	0.38
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG13	15	0.38
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG21	3	0.38
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG22	3	0.38
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG23	3	0.38
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG21	4	0.38
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG22	4	0.38
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG23	4	0.38
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG21	7	0.38
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG22	7	0.38
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG23	7	0.38
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG21	10	0.38
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG22	10	0.38
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG23	10	0.38
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG21	4	0.38
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG22	4	0.38
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG23	4	0.38
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG21	16	0.38
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG22	16	0.38
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG23	16	0.38
(1,1590)	1:24:B:ASP:HA	1:27:B:LYS:HB2	17	0.38
(1,1558)	1:34:B:LYS:HG3	1:62:B:ASP:HA	20	0.38
(1,1557)	1:34:A:LYS:HG3	1:62:A:ASP:HA	1	0.38
(1,1154)	1:28:B:LEU:HD21	1:29:B:SER:H	9	0.38
(1,1154)	1:28:B:LEU:HD22	1:29:B:SER:H	9	0.38
(1,1154)	1:28:B:LEU:HD23	1:29:B:SER:H	9	0.38
(1,1154)	1:28:B:LEU:HD21	1:29:B:SER:H	14	0.38
(1,1154)	1:28:B:LEU:HD22	1:29:B:SER:H	14	0.38
(1,1154)	1:28:B:LEU:HD23	1:29:B:SER:H	14	0.38
(1,1154)	1:28:B:LEU:HD21	1:29:B:SER:H	18	0.38
(1,1154)	1:28:B:LEU:HD22	1:29:B:SER:H	18	0.38
(1,1154)	1:28:B:LEU:HD23	1:29:B:SER:H	18	0.38
(1,1153)	1:28:A:LEU:HD21	1:29:A:SER:H	2	0.38
(1,1153)	1:28:A:LEU:HD22	1:29:A:SER:H	2	0.38
(1,1153)	1:28:A:LEU:HD23	1:29:A:SER:H	2	0.38
(1,1112)	1:52:B:ASP:HB2	1:53:B:ALA:H	19	0.38
(1,1111)	1:52:A:ASP:HB2	1:53:A:ALA:H	17	0.38
(1,1040)	1:9:B:GLU:HB3	1:10:B:THR:H	13	0.38
(1,722)	1:9:B:GLU:HB2	1:10:B:THR:H	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,721)	1:9:A:GLU:HB2	1:10:A:THR:H	8	0.38
(1,721)	1:9:A:GLU:HB2	1:10:A:THR:H	10	0.38
(1,721)	1:9:A:GLU:HB2	1:10:A:THR:H	11	0.38
(1,721)	1:9:A:GLU:HB2	1:10:A:THR:H	18	0.38
(1,721)	1:9:A:GLU:HB2	1:10:A:THR:H	19	0.38
(1,684)	1:13:B:ASN:HA	1:17:B:ALA:H	19	0.38
(1,683)	1:13:A:ASN:HA	1:17:A:ALA:H	3	0.38
(1,317)	1:20:A:GLY:H	1:28:A:LEU:HB3	10	0.38
(1,265)	1:41:A:LEU:HB3	1:44:A:PHE:H	4	0.38
(1,140)	1:41:B:LEU:HB2	1:43:B:GLY:H	5	0.38
(1,140)	1:41:B:LEU:HB2	1:43:B:GLY:H	20	0.38
(1,139)	1:41:A:LEU:HB2	1:43:A:GLY:H	18	0.38
(1,128)	1:7:B:ALA:H	1:9:B:GLU:HB3	18	0.38
(1,127)	1:7:A:ALA:H	1:9:A:GLU:HB3	5	0.38
(1,127)	1:7:A:ALA:H	1:9:A:GLU:HB3	12	0.38
(1,127)	1:7:A:ALA:H	1:9:A:GLU:HB3	14	0.38
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG2	5	0.37
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG3	5	0.37
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG11	12	0.37
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG12	12	0.37
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG13	12	0.37
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG21	12	0.37
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG22	12	0.37
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG23	12	0.37
(1,2550)	1:14:A:VAL:HG11	1:18:A:HIS:HD2	18	0.37
(1,2550)	1:14:A:VAL:HG12	1:18:A:HIS:HD2	18	0.37
(1,2550)	1:14:A:VAL:HG13	1:18:A:HIS:HD2	18	0.37
(1,2550)	1:14:A:VAL:HG21	1:18:A:HIS:HD2	18	0.37
(1,2550)	1:14:A:VAL:HG22	1:18:A:HIS:HD2	18	0.37
(1,2550)	1:14:A:VAL:HG23	1:18:A:HIS:HD2	18	0.37
(1,2499)	1:36:A:LEU:HG	1:74:A:TYR:HE1	18	0.37
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD11	16	0.37
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD12	16	0.37
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD13	16	0.37
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE1	9	0.37
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE2	9	0.37
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE3	9	0.37
(1,2415)	1:57:A:VAL:HG11	1:80:A:ALA:HB1	4	0.37
(1,2415)	1:57:A:VAL:HG11	1:80:A:ALA:HB2	4	0.37
(1,2415)	1:57:A:VAL:HG11	1:80:A:ALA:HB3	4	0.37
(1,2415)	1:57:A:VAL:HG12	1:80:A:ALA:HB1	4	0.37
(1,2415)	1:57:A:VAL:HG12	1:80:A:ALA:HB2	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2415)	1:57:A:VAL:HG12	1:80:A:ALA:HB3	4	0.37
(1,2415)	1:57:A:VAL:HG13	1:80:A:ALA:HB1	4	0.37
(1,2415)	1:57:A:VAL:HG13	1:80:A:ALA:HB2	4	0.37
(1,2415)	1:57:A:VAL:HG13	1:80:A:ALA:HB3	4	0.37
(1,2311)	1:6:A:THR:HA	1:9:A:GLU:HB2	7	0.37
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG21	19	0.37
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG22	19	0.37
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG23	19	0.37
(1,2162)	1:3:B:GLU:HA	1:6:B:THR:HB	3	0.37
(1,2162)	1:3:B:GLU:HA	1:6:B:THR:HB	5	0.37
(1,2162)	1:3:B:GLU:HA	1:6:B:THR:HB	8	0.37
(1,2162)	1:3:B:GLU:HA	1:6:B:THR:HB	11	0.37
(1,2161)	1:3:A:GLU:HA	1:6:A:THR:HB	18	0.37
(1,2155)	1:31:A:LYS:HG2	1:32:A:GLU:HB2	3	0.37
(1,2155)	1:31:A:LYS:HG3	1:32:A:GLU:HB2	3	0.37
(1,1982)	1:45:B:LEU:HB2	1:46:B:ASP:HB3	2	0.37
(1,1982)	1:45:B:LEU:HB2	1:46:B:ASP:HB3	8	0.37
(1,1982)	1:45:B:LEU:HB2	1:46:B:ASP:HB3	16	0.37
(1,1982)	1:45:B:LEU:HB2	1:46:B:ASP:HB3	20	0.37
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB1	11	0.37
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB2	11	0.37
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB3	11	0.37
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB1	6	0.37
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB2	6	0.37
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB3	6	0.37
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG11	1	0.37
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG12	1	0.37
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG13	1	0.37
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG11	19	0.37
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG12	19	0.37
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG13	19	0.37
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG21	2	0.37
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG22	2	0.37
(1,1786)	1:11:B:LEU:HB3	1:78:B:VAL:HG23	2	0.37
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG21	14	0.37
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG22	14	0.37
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG23	14	0.37
(1,1639)	1:29:A:SER:HB2	1:31:A:LYS:HB3	7	0.37
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG21	6	0.37
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG22	6	0.37
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG23	6	0.37
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG21	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG22	6	0.37
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG23	6	0.37
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG21	6	0.37
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG22	6	0.37
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG23	6	0.37
(1,1154)	1:28:B:LEU:HD21	1:29:B:SER:H	11	0.37
(1,1154)	1:28:B:LEU:HD22	1:29:B:SER:H	11	0.37
(1,1154)	1:28:B:LEU:HD23	1:29:B:SER:H	11	0.37
(1,1153)	1:28:A:LEU:HD21	1:29:A:SER:H	14	0.37
(1,1153)	1:28:A:LEU:HD22	1:29:A:SER:H	14	0.37
(1,1153)	1:28:A:LEU:HD23	1:29:A:SER:H	14	0.37
(1,1153)	1:28:A:LEU:HD21	1:29:A:SER:H	17	0.37
(1,1153)	1:28:A:LEU:HD22	1:29:A:SER:H	17	0.37
(1,1153)	1:28:A:LEU:HD23	1:29:A:SER:H	17	0.37
(1,1040)	1:9:B:GLU:HB3	1:10:B:THR:H	2	0.37
(1,1040)	1:9:B:GLU:HB3	1:10:B:THR:H	3	0.37
(1,1040)	1:9:B:GLU:HB3	1:10:B:THR:H	4	0.37
(1,1039)	1:9:A:GLU:HB3	1:10:A:THR:H	1	0.37
(1,1039)	1:9:A:GLU:HB3	1:10:A:THR:H	9	0.37
(1,1039)	1:9:A:GLU:HB3	1:10:A:THR:H	12	0.37
(1,846)	1:31:B:LYS:HB2	1:32:B:GLU:H	4	0.37
(1,845)	1:31:A:LYS:HB2	1:32:A:GLU:H	5	0.37
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD21	2	0.37
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD22	2	0.37
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD23	2	0.37
(1,722)	1:9:B:GLU:HB2	1:10:B:THR:H	1	0.37
(1,722)	1:9:B:GLU:HB2	1:10:B:THR:H	8	0.37
(1,722)	1:9:B:GLU:HB2	1:10:B:THR:H	18	0.37
(1,721)	1:9:A:GLU:HB2	1:10:A:THR:H	6	0.37
(1,721)	1:9:A:GLU:HB2	1:10:A:THR:H	15	0.37
(1,684)	1:13:B:ASN:HA	1:17:B:ALA:H	5	0.37
(1,684)	1:13:B:ASN:HA	1:17:B:ALA:H	15	0.37
(1,684)	1:13:B:ASN:HA	1:17:B:ALA:H	17	0.37
(1,652)	1:30:B:LYS:HB2	1:65:B:GLY:H	1	0.37
(1,651)	1:30:A:LYS:HB2	1:65:A:GLY:H	11	0.37
(1,483)	1:39:A:THR:H	1:41:A:LEU:HB2	7	0.37
(1,128)	1:7:B:ALA:H	1:9:B:GLU:HB3	3	0.37
(1,128)	1:7:B:ALA:H	1:9:B:GLU:HB3	10	0.37
(1,2800)	1:28:B:LEU:HD11	1:32:B:GLU:H	14	0.36
(1,2800)	1:28:B:LEU:HD12	1:32:B:GLU:H	14	0.36
(1,2800)	1:28:B:LEU:HD13	1:32:B:GLU:H	14	0.36
(1,2800)	1:28:B:LEU:HD21	1:32:B:GLU:H	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2800)	1:28:B:LEU:HD22	1:32:B:GLU:H	14	0.36
(1,2800)	1:28:B:LEU:HD23	1:32:B:GLU:H	14	0.36
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG2	1	0.36
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG3	1	0.36
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG2	13	0.36
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG3	13	0.36
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG2	14	0.36
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG3	14	0.36
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG11	10	0.36
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG12	10	0.36
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG13	10	0.36
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG21	10	0.36
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG22	10	0.36
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG23	10	0.36
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD11	5	0.36
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD12	5	0.36
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD13	5	0.36
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD11	10	0.36
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD12	10	0.36
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD13	10	0.36
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE1	2	0.36
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE2	2	0.36
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE3	2	0.36
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE1	16	0.36
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE2	16	0.36
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE3	16	0.36
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG21	16	0.36
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG22	16	0.36
(1,2329)	1:75:A:VAL:HG21	1:78:A:VAL:HG23	16	0.36
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG21	16	0.36
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG22	16	0.36
(1,2329)	1:75:A:VAL:HG22	1:78:A:VAL:HG23	16	0.36
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG21	16	0.36
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG22	16	0.36
(1,2329)	1:75:A:VAL:HG23	1:78:A:VAL:HG23	16	0.36
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD11	3	0.36
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD12	3	0.36
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD13	3	0.36
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD11	10	0.36
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD12	10	0.36
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD13	10	0.36
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG21	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG22	13	0.36
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG23	13	0.36
(1,2162)	1:3:B:GLU:HA	1:6:B:THR:HB	14	0.36
(1,2162)	1:3:B:GLU:HA	1:6:B:THR:HB	15	0.36
(1,1982)	1:45:B:LEU:HB2	1:46:B:ASP:HB3	19	0.36
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB1	8	0.36
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB2	8	0.36
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB3	8	0.36
(1,1879)	1:68:A:GLU:HB2	1:69:A:VAL:HA	10	0.36
(1,1879)	1:68:A:GLU:HB3	1:69:A:VAL:HA	10	0.36
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG11	10	0.36
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG12	10	0.36
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG13	10	0.36
(1,1796)	1:41:B:LEU:HD11	1:44:B:PHE:HD1	5	0.36
(1,1796)	1:41:B:LEU:HD12	1:44:B:PHE:HD1	5	0.36
(1,1796)	1:41:B:LEU:HD13	1:44:B:PHE:HD1	5	0.36
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG21	10	0.36
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG22	10	0.36
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG23	10	0.36
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG21	15	0.36
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG22	15	0.36
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG23	15	0.36
(1,1640)	1:29:B:SER:HB2	1:31:B:LYS:HB3	4	0.36
(1,1637)	1:24:A:ASP:HB2	1:27:A:LYS:HB3	4	0.36
(1,1589)	1:24:A:ASP:HA	1:27:A:LYS:HB2	15	0.36
(1,1589)	1:24:A:ASP:HA	1:27:A:LYS:HB2	18	0.36
(1,1557)	1:34:A:LYS:HG3	1:62:A:ASP:HA	8	0.36
(1,1542)	1:33:B:LEU:HA	1:36:B:LEU:HA	13	0.36
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB2	1	0.36
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB3	1	0.36
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB2	4	0.36
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB3	4	0.36
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB2	13	0.36
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB3	13	0.36
(1,1154)	1:28:B:LEU:HD21	1:29:B:SER:H	4	0.36
(1,1154)	1:28:B:LEU:HD22	1:29:B:SER:H	4	0.36
(1,1154)	1:28:B:LEU:HD23	1:29:B:SER:H	4	0.36
(1,1112)	1:52:B:ASP:HB2	1:53:B:ALA:H	14	0.36
(1,1040)	1:9:B:GLU:HB3	1:10:B:THR:H	18	0.36
(1,846)	1:31:B:LYS:HB2	1:32:B:GLU:H	18	0.36
(1,845)	1:31:A:LYS:HB2	1:32:A:GLU:H	8	0.36
(1,845)	1:31:A:LYS:HB2	1:32:A:GLU:H	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD11	7	0.36
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD12	7	0.36
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD13	7	0.36
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD21	7	0.36
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD22	7	0.36
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD23	7	0.36
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD21	9	0.36
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD22	9	0.36
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD23	9	0.36
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD21	17	0.36
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD22	17	0.36
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD23	17	0.36
(1,722)	1:9:B:GLU:HB2	1:10:B:THR:H	6	0.36
(1,722)	1:9:B:GLU:HB2	1:10:B:THR:H	14	0.36
(1,721)	1:9:A:GLU:HB2	1:10:A:THR:H	12	0.36
(1,128)	1:7:B:ALA:H	1:9:B:GLU:HB3	11	0.36
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG2	20	0.35
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG3	20	0.35
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD11	5	0.35
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD12	5	0.35
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD13	5	0.35
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD11	16	0.35
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD12	16	0.35
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD13	16	0.35
(1,2464)	1:41:B:LEU:HG	1:44:B:PHE:HD1	20	0.35
(1,2463)	1:41:A:LEU:HG	1:44:A:PHE:HD1	18	0.35
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE1	20	0.35
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE2	20	0.35
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE3	20	0.35
(1,2381)	1:4:A:LEU:HD21	1:7:A:ALA:HB1	15	0.35
(1,2381)	1:4:A:LEU:HD21	1:7:A:ALA:HB2	15	0.35
(1,2381)	1:4:A:LEU:HD21	1:7:A:ALA:HB3	15	0.35
(1,2381)	1:4:A:LEU:HD22	1:7:A:ALA:HB1	15	0.35
(1,2381)	1:4:A:LEU:HD22	1:7:A:ALA:HB2	15	0.35
(1,2381)	1:4:A:LEU:HD22	1:7:A:ALA:HB3	15	0.35
(1,2381)	1:4:A:LEU:HD23	1:7:A:ALA:HB1	15	0.35
(1,2381)	1:4:A:LEU:HD23	1:7:A:ALA:HB2	15	0.35
(1,2381)	1:4:A:LEU:HD23	1:7:A:ALA:HB3	15	0.35
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD11	15	0.35
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD12	15	0.35
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD13	15	0.35
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG2	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG3	16	0.35
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD11	11	0.35
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD12	11	0.35
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD13	11	0.35
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG21	18	0.35
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG22	18	0.35
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG23	18	0.35
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG21	9	0.35
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG22	9	0.35
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG23	9	0.35
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG21	15	0.35
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG22	15	0.35
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG23	15	0.35
(1,2119)	1:21:A:LYS:HD2	1:32:A:GLU:HG2	6	0.35
(1,2119)	1:21:A:LYS:HD3	1:32:A:GLU:HG2	6	0.35
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD21	8	0.35
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD22	8	0.35
(1,2090)	1:54:B:VAL:HA	1:81:B:LEU:HD23	8	0.35
(1,1982)	1:45:B:LEU:HB2	1:46:B:ASP:HB3	18	0.35
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB1	4	0.35
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB2	4	0.35
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB3	4	0.35
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB1	16	0.35
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB2	16	0.35
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB3	16	0.35
(1,1880)	1:68:B:GLU:HB2	1:69:B:VAL:HA	16	0.35
(1,1880)	1:68:B:GLU:HB3	1:69:B:VAL:HA	16	0.35
(1,1806)	1:53:B:ALA:HB1	1:81:B:LEU:HA	11	0.35
(1,1806)	1:53:B:ALA:HB2	1:81:B:LEU:HA	11	0.35
(1,1806)	1:53:B:ALA:HB3	1:81:B:LEU:HA	11	0.35
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD21	7	0.35
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD22	7	0.35
(1,1716)	1:8:A:MET:HG2	1:41:B:LEU:HD23	7	0.35
(1,1665)	1:30:A:LYS:HB2	1:64:A:ASN:HB2	20	0.35
(1,1639)	1:29:A:SER:HB2	1:31:A:LYS:HB3	11	0.35
(1,1541)	1:33:A:LEU:HA	1:36:A:LEU:HA	2	0.35
(1,1508)	1:60:B:GLU:HG3	1:64:B:ASN:HB3	16	0.35
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE2	8	0.35
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE3	8	0.35
(1,1153)	1:28:A:LEU:HD21	1:29:A:SER:H	16	0.35
(1,1153)	1:28:A:LEU:HD22	1:29:A:SER:H	16	0.35
(1,1153)	1:28:A:LEU:HD23	1:29:A:SER:H	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1040)	1:9:B:GLU:HB3	1:10:B:THR:H	8	0.35
(1,1040)	1:9:B:GLU:HB3	1:10:B:THR:H	14	0.35
(1,1040)	1:9:B:GLU:HB3	1:10:B:THR:H	19	0.35
(1,1039)	1:9:A:GLU:HB3	1:10:A:THR:H	3	0.35
(1,1039)	1:9:A:GLU:HB3	1:10:A:THR:H	8	0.35
(1,1039)	1:9:A:GLU:HB3	1:10:A:THR:H	11	0.35
(1,1039)	1:9:A:GLU:HB3	1:10:A:THR:H	14	0.35
(1,1039)	1:9:A:GLU:HB3	1:10:A:THR:H	18	0.35
(1,846)	1:31:B:LYS:HB2	1:32:B:GLU:H	7	0.35
(1,846)	1:31:B:LYS:HB2	1:32:B:GLU:H	8	0.35
(1,846)	1:31:B:LYS:HB2	1:32:B:GLU:H	12	0.35
(1,846)	1:31:B:LYS:HB2	1:32:B:GLU:H	13	0.35
(1,846)	1:31:B:LYS:HB2	1:32:B:GLU:H	14	0.35
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD11	13	0.35
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD12	13	0.35
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD13	13	0.35
(1,722)	1:9:B:GLU:HB2	1:10:B:THR:H	20	0.35
(1,721)	1:9:A:GLU:HB2	1:10:A:THR:H	3	0.35
(1,721)	1:9:A:GLU:HB2	1:10:A:THR:H	13	0.35
(1,721)	1:9:A:GLU:HB2	1:10:A:THR:H	20	0.35
(1,652)	1:30:B:LYS:HB2	1:65:B:GLY:H	4	0.35
(1,651)	1:30:A:LYS:HB2	1:65:A:GLY:H	8	0.35
(1,502)	1:12:B:ILE:HD11	1:13:B:ASN:H	12	0.35
(1,502)	1:12:B:ILE:HD12	1:13:B:ASN:H	12	0.35
(1,502)	1:12:B:ILE:HD13	1:13:B:ASN:H	12	0.35
(1,502)	1:12:B:ILE:HD11	1:13:B:ASN:H	18	0.35
(1,502)	1:12:B:ILE:HD12	1:13:B:ASN:H	18	0.35
(1,502)	1:12:B:ILE:HD13	1:13:B:ASN:H	18	0.35
(1,501)	1:12:A:ILE:HD11	1:13:A:ASN:H	6	0.35
(1,501)	1:12:A:ILE:HD12	1:13:A:ASN:H	6	0.35
(1,501)	1:12:A:ILE:HD13	1:13:A:ASN:H	6	0.35
(1,501)	1:12:A:ILE:HD11	1:13:A:ASN:H	18	0.35
(1,501)	1:12:A:ILE:HD12	1:13:A:ASN:H	18	0.35
(1,501)	1:12:A:ILE:HD13	1:13:A:ASN:H	18	0.35
(1,266)	1:41:B:LEU:HB3	1:44:B:PHE:H	4	0.35
(1,140)	1:41:B:LEU:HB2	1:43:B:GLY:H	3	0.35
(1,140)	1:41:B:LEU:HB2	1:43:B:GLY:H	15	0.35
(1,127)	1:7:A:ALA:H	1:9:A:GLU:HB3	20	0.35
(1,74)	1:9:B:GLU:HB2	1:13:B:ASN:HD21	9	0.35
(1,2800)	1:28:B:LEU:HD11	1:32:B:GLU:H	13	0.34
(1,2800)	1:28:B:LEU:HD12	1:32:B:GLU:H	13	0.34
(1,2800)	1:28:B:LEU:HD13	1:32:B:GLU:H	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2800)	1:28:B:LEU:HD21	1:32:B:GLU:H	13	0.34
(1,2800)	1:28:B:LEU:HD22	1:32:B:GLU:H	13	0.34
(1,2800)	1:28:B:LEU:HD23	1:32:B:GLU:H	13	0.34
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG11	3	0.34
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG12	3	0.34
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG13	3	0.34
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG21	3	0.34
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG22	3	0.34
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG23	3	0.34
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG11	19	0.34
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG12	19	0.34
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG13	19	0.34
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG21	19	0.34
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG22	19	0.34
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG23	19	0.34
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG2	9	0.34
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG3	9	0.34
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG2	18	0.34
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG3	18	0.34
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG2	20	0.34
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG3	20	0.34
(1,2605)	1:28:A:LEU:HD11	1:32:A:GLU:H	9	0.34
(1,2605)	1:28:A:LEU:HD12	1:32:A:GLU:H	9	0.34
(1,2605)	1:28:A:LEU:HD13	1:32:A:GLU:H	9	0.34
(1,2605)	1:28:A:LEU:HD21	1:32:A:GLU:H	9	0.34
(1,2605)	1:28:A:LEU:HD22	1:32:A:GLU:H	9	0.34
(1,2605)	1:28:A:LEU:HD23	1:32:A:GLU:H	9	0.34
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD11	10	0.34
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD12	10	0.34
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD13	10	0.34
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD11	17	0.34
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD12	17	0.34
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD13	17	0.34
(1,2464)	1:41:B:LEU:HG	1:44:B:PHE:HD1	1	0.34
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD11	20	0.34
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD12	20	0.34
(1,2355)	1:30:A:LYS:HB2	1:61:A:LEU:HD13	20	0.34
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG2	4	0.34
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG3	4	0.34
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG2	7	0.34
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG3	7	0.34
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG2	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG3	9	0.34
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG2	13	0.34
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG3	13	0.34
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG2	13	0.34
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG3	13	0.34
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG2	16	0.34
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG3	16	0.34
(1,2252)	1:28:B:LEU:HD11	1:32:B:GLU:HB3	15	0.34
(1,2252)	1:28:B:LEU:HD12	1:32:B:GLU:HB3	15	0.34
(1,2252)	1:28:B:LEU:HD13	1:32:B:GLU:HB3	15	0.34
(1,2162)	1:3:B:GLU:HA	1:6:B:THR:HB	2	0.34
(1,2161)	1:3:A:GLU:HA	1:6:A:THR:HB	3	0.34
(1,2161)	1:3:A:GLU:HA	1:6:A:THR:HB	20	0.34
(1,1879)	1:68:A:GLU:HB2	1:69:A:VAL:HA	20	0.34
(1,1879)	1:68:A:GLU:HB3	1:69:A:VAL:HA	20	0.34
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG11	3	0.34
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG12	3	0.34
(1,1860)	1:74:B:TYR:HE1	1:78:B:VAL:HG13	3	0.34
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG21	18	0.34
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG22	18	0.34
(1,1785)	1:11:A:LEU:HB3	1:78:A:VAL:HG23	18	0.34
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB2	16	0.34
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB3	16	0.34
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB2	16	0.34
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB3	16	0.34
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB2	16	0.34
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB3	16	0.34
(1,1755)	1:29:A:SER:HA	1:68:A:GLU:HG2	6	0.34
(1,1755)	1:29:A:SER:HA	1:68:A:GLU:HG2	10	0.34
(1,1639)	1:29:A:SER:HB2	1:31:A:LYS:HB3	5	0.34
(1,1639)	1:29:A:SER:HB2	1:31:A:LYS:HB3	20	0.34
(1,1558)	1:34:B:LYS:HG3	1:62:B:ASP:HA	12	0.34
(1,1542)	1:33:B:LEU:HA	1:36:B:LEU:HA	18	0.34
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG21	1	0.34
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG22	1	0.34
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG23	1	0.34
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG21	1	0.34
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG22	1	0.34
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG23	1	0.34
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG21	1	0.34
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG22	1	0.34
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG23	1	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG21	2	0.34
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG22	2	0.34
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG23	2	0.34
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG21	2	0.34
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG22	2	0.34
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG23	2	0.34
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG21	2	0.34
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG22	2	0.34
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG23	2	0.34
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB2	2	0.34
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB3	2	0.34
(1,1154)	1:28:B:LEU:HD21	1:29:B:SER:H	13	0.34
(1,1154)	1:28:B:LEU:HD22	1:29:B:SER:H	13	0.34
(1,1154)	1:28:B:LEU:HD23	1:29:B:SER:H	13	0.34
(1,1040)	1:9:B:GLU:HB3	1:10:B:THR:H	10	0.34
(1,1040)	1:9:B:GLU:HB3	1:10:B:THR:H	17	0.34
(1,1039)	1:9:A:GLU:HB3	1:10:A:THR:H	2	0.34
(1,1039)	1:9:A:GLU:HB3	1:10:A:THR:H	5	0.34
(1,1039)	1:9:A:GLU:HB3	1:10:A:THR:H	20	0.34
(1,846)	1:31:B:LYS:HB2	1:32:B:GLU:H	9	0.34
(1,846)	1:31:B:LYS:HB2	1:32:B:GLU:H	15	0.34
(1,846)	1:31:B:LYS:HB2	1:32:B:GLU:H	16	0.34
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD11	3	0.34
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD12	3	0.34
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD13	3	0.34
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD21	19	0.34
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD22	19	0.34
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD23	19	0.34
(1,722)	1:9:B:GLU:HB2	1:10:B:THR:H	3	0.34
(1,722)	1:9:B:GLU:HB2	1:10:B:THR:H	9	0.34
(1,722)	1:9:B:GLU:HB2	1:10:B:THR:H	10	0.34
(1,721)	1:9:A:GLU:HB2	1:10:A:THR:H	4	0.34
(1,721)	1:9:A:GLU:HB2	1:10:A:THR:H	5	0.34
(1,721)	1:9:A:GLU:HB2	1:10:A:THR:H	7	0.34
(1,721)	1:9:A:GLU:HB2	1:10:A:THR:H	14	0.34
(1,683)	1:13:A:ASN:HA	1:17:A:ALA:H	1	0.34
(1,652)	1:30:B:LYS:HB2	1:65:B:GLY:H	3	0.34
(1,652)	1:30:B:LYS:HB2	1:65:B:GLY:H	15	0.34
(1,501)	1:12:A:ILE:HD11	1:13:A:ASN:H	11	0.34
(1,501)	1:12:A:ILE:HD12	1:13:A:ASN:H	11	0.34
(1,501)	1:12:A:ILE:HD13	1:13:A:ASN:H	11	0.34
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG11	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG12	6	0.34
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG13	6	0.34
(1,459)	1:76:A:VAL:HG11	1:72:B:GLN:HE22	12	0.34
(1,459)	1:76:A:VAL:HG12	1:72:B:GLN:HE22	12	0.34
(1,459)	1:76:A:VAL:HG13	1:72:B:GLN:HE22	12	0.34
(1,164)	1:13:B:ASN:HD22	1:14:B:VAL:H	17	0.34
(1,140)	1:41:B:LEU:HB2	1:43:B:GLY:H	18	0.34
(1,2800)	1:28:B:LEU:HD11	1:32:B:GLU:H	18	0.33
(1,2800)	1:28:B:LEU:HD12	1:32:B:GLU:H	18	0.33
(1,2800)	1:28:B:LEU:HD13	1:32:B:GLU:H	18	0.33
(1,2800)	1:28:B:LEU:HD21	1:32:B:GLU:H	18	0.33
(1,2800)	1:28:B:LEU:HD22	1:32:B:GLU:H	18	0.33
(1,2800)	1:28:B:LEU:HD23	1:32:B:GLU:H	18	0.33
(1,2720)	1:91:A:GLU:HG2	1:93:A:SER:H	11	0.33
(1,2720)	1:91:A:GLU:HG3	1:93:A:SER:H	11	0.33
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD2	7	0.33
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD3	7	0.33
(1,2605)	1:28:A:LEU:HD11	1:32:A:GLU:H	14	0.33
(1,2605)	1:28:A:LEU:HD12	1:32:A:GLU:H	14	0.33
(1,2605)	1:28:A:LEU:HD13	1:32:A:GLU:H	14	0.33
(1,2605)	1:28:A:LEU:HD21	1:32:A:GLU:H	14	0.33
(1,2605)	1:28:A:LEU:HD22	1:32:A:GLU:H	14	0.33
(1,2605)	1:28:A:LEU:HD23	1:32:A:GLU:H	14	0.33
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG11	7	0.33
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG12	7	0.33
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG13	7	0.33
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG21	7	0.33
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG22	7	0.33
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG23	7	0.33
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG11	15	0.33
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG12	15	0.33
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG13	15	0.33
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG21	15	0.33
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG22	15	0.33
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG23	15	0.33
(1,2500)	1:36:B:LEU:HG	1:74:B:TYR:HE1	1	0.33
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD11	7	0.33
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD12	7	0.33
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD13	7	0.33
(1,2464)	1:41:B:LEU:HG	1:44:B:PHE:HD1	9	0.33
(1,2463)	1:41:A:LEU:HG	1:44:A:PHE:HD1	2	0.33
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE1	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE2	6	0.33
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE3	6	0.33
(1,2312)	1:6:B:THR:HA	1:9:B:GLU:HB2	20	0.33
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG2	1	0.33
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG3	1	0.33
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG2	3	0.33
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG3	3	0.33
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG2	10	0.33
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG3	10	0.33
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG2	11	0.33
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG3	11	0.33
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG2	14	0.33
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG3	14	0.33
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG2	3	0.33
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG3	3	0.33
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG2	4	0.33
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG3	4	0.33
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG2	11	0.33
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG3	11	0.33
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG2	17	0.33
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG3	17	0.33
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD11	9	0.33
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD12	9	0.33
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD13	9	0.33
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD11	16	0.33
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD12	16	0.33
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD13	16	0.33
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG21	16	0.33
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG22	16	0.33
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG23	16	0.33
(1,2161)	1:3:A:GLU:HA	1:6:A:THR:HB	12	0.33
(1,2107)	1:30:A:LYS:HB3	1:61:A:LEU:HD21	2	0.33
(1,2107)	1:30:A:LYS:HB3	1:61:A:LEU:HD22	2	0.33
(1,2107)	1:30:A:LYS:HB3	1:61:A:LEU:HD23	2	0.33
(1,1982)	1:45:B:LEU:HB2	1:46:B:ASP:HB3	7	0.33
(1,1981)	1:45:A:LEU:HB2	1:46:A:ASP:HB3	3	0.33
(1,1981)	1:45:A:LEU:HB2	1:46:A:ASP:HB3	8	0.33
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG11	17	0.33
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG12	17	0.33
(1,1859)	1:74:A:TYR:HE1	1:78:A:VAL:HG13	17	0.33
(1,1590)	1:24:B:ASP:HA	1:27:B:LYS:HB2	14	0.33
(1,1542)	1:33:B:LEU:HA	1:36:B:LEU:HA	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1542)	1:33:B:LEU:HA	1:36:B:LEU:HA	14	0.33
(1,1541)	1:33:A:LEU:HA	1:36:A:LEU:HA	10	0.33
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG21	13	0.33
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG22	13	0.33
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG23	13	0.33
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG21	13	0.33
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG22	13	0.33
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG23	13	0.33
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG21	13	0.33
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG22	13	0.33
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG23	13	0.33
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG21	14	0.33
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG22	14	0.33
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG23	14	0.33
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG21	14	0.33
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG22	14	0.33
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG23	14	0.33
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG21	14	0.33
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG22	14	0.33
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG23	14	0.33
(1,1435)	1:31:A:LYS:HG2	1:66:A:ASP:HA	5	0.33
(1,1435)	1:31:A:LYS:HG3	1:66:A:ASP:HA	5	0.33
(1,1435)	1:31:A:LYS:HG2	1:66:A:ASP:HA	12	0.33
(1,1435)	1:31:A:LYS:HG3	1:66:A:ASP:HA	12	0.33
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB2	11	0.33
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB3	11	0.33
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD11	15	0.33
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD12	15	0.33
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD13	15	0.33
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD11	20	0.33
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD12	20	0.33
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD13	20	0.33
(1,1153)	1:28:A:LEU:HD21	1:29:A:SER:H	9	0.33
(1,1153)	1:28:A:LEU:HD22	1:29:A:SER:H	9	0.33
(1,1153)	1:28:A:LEU:HD23	1:29:A:SER:H	9	0.33
(1,1153)	1:28:A:LEU:HD21	1:29:A:SER:H	13	0.33
(1,1153)	1:28:A:LEU:HD22	1:29:A:SER:H	13	0.33
(1,1153)	1:28:A:LEU:HD23	1:29:A:SER:H	13	0.33
(1,1040)	1:9:B:GLU:HB3	1:10:B:THR:H	11	0.33
(1,846)	1:31:B:LYS:HB2	1:32:B:GLU:H	1	0.33
(1,846)	1:31:B:LYS:HB2	1:32:B:GLU:H	3	0.33
(1,846)	1:31:B:LYS:HB2	1:32:B:GLU:H	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:31:B:LYS:HB2	1:32:B:GLU:H	20	0.33
(1,845)	1:31:A:LYS:HB2	1:32:A:GLU:H	11	0.33
(1,845)	1:31:A:LYS:HB2	1:32:A:GLU:H	15	0.33
(1,760)	1:60:B:GLU:HG3	1:64:B:ASN:HD21	6	0.33
(1,722)	1:9:B:GLU:HB2	1:10:B:THR:H	2	0.33
(1,722)	1:9:B:GLU:HB2	1:10:B:THR:H	5	0.33
(1,722)	1:9:B:GLU:HB2	1:10:B:THR:H	19	0.33
(1,684)	1:13:B:ASN:HA	1:17:B:ALA:H	2	0.33
(1,683)	1:13:A:ASN:HA	1:17:A:ALA:H	2	0.33
(1,651)	1:30:A:LYS:HB2	1:65:A:GLY:H	9	0.33
(1,265)	1:41:A:LEU:HB3	1:44:A:PHE:H	6	0.33
(1,265)	1:41:A:LEU:HB3	1:44:A:PHE:H	7	0.33
(1,127)	1:7:A:ALA:H	1:9:A:GLU:HB3	3	0.33
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG2	19	0.32
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG3	19	0.32
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG11	10	0.32
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG12	10	0.32
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG13	10	0.32
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG21	10	0.32
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG22	10	0.32
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG23	10	0.32
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG11	15	0.32
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG12	15	0.32
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG13	15	0.32
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG21	15	0.32
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG22	15	0.32
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG23	15	0.32
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG2	8	0.32
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG3	8	0.32
(1,2605)	1:28:A:LEU:HD11	1:32:A:GLU:H	2	0.32
(1,2605)	1:28:A:LEU:HD12	1:32:A:GLU:H	2	0.32
(1,2605)	1:28:A:LEU:HD13	1:32:A:GLU:H	2	0.32
(1,2605)	1:28:A:LEU:HD21	1:32:A:GLU:H	2	0.32
(1,2605)	1:28:A:LEU:HD22	1:32:A:GLU:H	2	0.32
(1,2605)	1:28:A:LEU:HD23	1:32:A:GLU:H	2	0.32
(1,2605)	1:28:A:LEU:HD11	1:32:A:GLU:H	8	0.32
(1,2605)	1:28:A:LEU:HD12	1:32:A:GLU:H	8	0.32
(1,2605)	1:28:A:LEU:HD13	1:32:A:GLU:H	8	0.32
(1,2605)	1:28:A:LEU:HD21	1:32:A:GLU:H	8	0.32
(1,2605)	1:28:A:LEU:HD22	1:32:A:GLU:H	8	0.32
(1,2605)	1:28:A:LEU:HD23	1:32:A:GLU:H	8	0.32
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG11	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG12	17	0.32
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG13	17	0.32
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG21	17	0.32
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG22	17	0.32
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG23	17	0.32
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD11	13	0.32
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD12	13	0.32
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD13	13	0.32
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD11	2	0.32
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD12	2	0.32
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD13	2	0.32
(1,2464)	1:41:B:LEU:HG	1:44:B:PHE:HD1	3	0.32
(1,2463)	1:41:A:LEU:HG	1:44:A:PHE:HD1	7	0.32
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE1	5	0.32
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE2	5	0.32
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE3	5	0.32
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE1	11	0.32
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE2	11	0.32
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE3	11	0.32
(1,2415)	1:57:A:VAL:HG11	1:80:A:ALA:HB1	7	0.32
(1,2415)	1:57:A:VAL:HG11	1:80:A:ALA:HB2	7	0.32
(1,2415)	1:57:A:VAL:HG11	1:80:A:ALA:HB3	7	0.32
(1,2415)	1:57:A:VAL:HG12	1:80:A:ALA:HB1	7	0.32
(1,2415)	1:57:A:VAL:HG12	1:80:A:ALA:HB2	7	0.32
(1,2415)	1:57:A:VAL:HG12	1:80:A:ALA:HB3	7	0.32
(1,2415)	1:57:A:VAL:HG13	1:80:A:ALA:HB1	7	0.32
(1,2415)	1:57:A:VAL:HG13	1:80:A:ALA:HB2	7	0.32
(1,2415)	1:57:A:VAL:HG13	1:80:A:ALA:HB3	7	0.32
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG2	2	0.32
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG3	2	0.32
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG2	8	0.32
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG3	8	0.32
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG2	15	0.32
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG3	15	0.32
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG2	17	0.32
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG3	17	0.32
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG2	19	0.32
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG3	19	0.32
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG2	1	0.32
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG3	1	0.32
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG2	2	0.32
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG3	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG2	7	0.32
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG3	7	0.32
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG2	8	0.32
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG3	8	0.32
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG2	18	0.32
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG3	18	0.32
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG2	19	0.32
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG3	19	0.32
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG21	5	0.32
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG22	5	0.32
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG23	5	0.32
(1,2162)	1:3:B:GLU:HA	1:6:B:THR:HB	17	0.32
(1,2152)	1:49:B:LYS:HA	1:49:B:LYS:HD2	16	0.32
(1,1982)	1:45:B:LEU:HB2	1:46:B:ASP:HB3	5	0.32
(1,1961)	1:31:A:LYS:HE2	1:32:A:GLU:HG3	18	0.32
(1,1961)	1:31:A:LYS:HE3	1:32:A:GLU:HG3	18	0.32
(1,1805)	1:53:A:ALA:HB1	1:81:A:LEU:HA	19	0.32
(1,1805)	1:53:A:ALA:HB2	1:81:A:LEU:HA	19	0.32
(1,1805)	1:53:A:ALA:HB3	1:81:A:LEU:HA	19	0.32
(1,1805)	1:53:A:ALA:HB1	1:81:A:LEU:HA	20	0.32
(1,1805)	1:53:A:ALA:HB2	1:81:A:LEU:HA	20	0.32
(1,1805)	1:53:A:ALA:HB3	1:81:A:LEU:HA	20	0.32
(1,1589)	1:24:A:ASP:HA	1:27:A:LYS:HB2	4	0.32
(1,1557)	1:34:A:LYS:HG3	1:62:A:ASP:HA	6	0.32
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG21	1	0.32
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG22	1	0.32
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG23	1	0.32
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG21	1	0.32
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG22	1	0.32
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG23	1	0.32
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG21	1	0.32
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG22	1	0.32
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG23	1	0.32
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG21	8	0.32
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG22	8	0.32
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG23	8	0.32
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG21	8	0.32
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG22	8	0.32
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG23	8	0.32
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG21	8	0.32
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG22	8	0.32
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG23	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG21	10	0.32
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG22	10	0.32
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG23	10	0.32
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG21	10	0.32
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG22	10	0.32
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG23	10	0.32
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG21	10	0.32
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG22	10	0.32
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG23	10	0.32
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB2	6	0.32
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB3	6	0.32
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD11	20	0.32
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD12	20	0.32
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD13	20	0.32
(1,1154)	1:28:B:LEU:HD21	1:29:B:SER:H	1	0.32
(1,1154)	1:28:B:LEU:HD22	1:29:B:SER:H	1	0.32
(1,1154)	1:28:B:LEU:HD23	1:29:B:SER:H	1	0.32
(1,1153)	1:28:A:LEU:HD21	1:29:A:SER:H	3	0.32
(1,1153)	1:28:A:LEU:HD22	1:29:A:SER:H	3	0.32
(1,1153)	1:28:A:LEU:HD23	1:29:A:SER:H	3	0.32
(1,1153)	1:28:A:LEU:HD21	1:29:A:SER:H	11	0.32
(1,1153)	1:28:A:LEU:HD22	1:29:A:SER:H	11	0.32
(1,1153)	1:28:A:LEU:HD23	1:29:A:SER:H	11	0.32
(1,1112)	1:52:B:ASP:HB2	1:53:B:ALA:H	3	0.32
(1,845)	1:31:A:LYS:HB2	1:32:A:GLU:H	4	0.32
(1,845)	1:31:A:LYS:HB2	1:32:A:GLU:H	20	0.32
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD21	6	0.32
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD22	6	0.32
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD23	6	0.32
(1,722)	1:9:B:GLU:HB2	1:10:B:THR:H	7	0.32
(1,722)	1:9:B:GLU:HB2	1:10:B:THR:H	11	0.32
(1,722)	1:9:B:GLU:HB2	1:10:B:THR:H	17	0.32
(1,721)	1:9:A:GLU:HB2	1:10:A:THR:H	2	0.32
(1,721)	1:9:A:GLU:HB2	1:10:A:THR:H	17	0.32
(1,711)	1:41:A:LEU:HB2	1:42:A:SER:H	5	0.32
(1,683)	1:13:A:ASN:HA	1:17:A:ALA:H	10	0.32
(1,619)	1:65:A:GLY:H	1:67:A:GLY:H	2	0.32
(1,530)	1:48:B:GLN:HA	1:50:B:ASP:H	7	0.32
(1,502)	1:12:B:ILE:HD11	1:13:B:ASN:H	9	0.32
(1,502)	1:12:B:ILE:HD12	1:13:B:ASN:H	9	0.32
(1,502)	1:12:B:ILE:HD13	1:13:B:ASN:H	9	0.32
(1,501)	1:12:A:ILE:HD11	1:13:A:ASN:H	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,501)	1:12:A:ILE:HD12	1:13:A:ASN:H	14	0.32
(1,501)	1:12:A:ILE:HD13	1:13:A:ASN:H	14	0.32
(1,483)	1:39:A:THR:H	1:41:A:LEU:HB2	4	0.32
(1,265)	1:41:A:LEU:HB3	1:44:A:PHE:H	14	0.32
(1,128)	1:7:B:ALA:H	1:9:B:GLU:HB3	19	0.32
(1,2913)	1:91:B:GLU:HG2	1:93:B:SER:H	7	0.31
(1,2913)	1:91:B:GLU:HG3	1:93:B:SER:H	7	0.31
(1,2813)	1:30:B:LYS:H	1:30:B:LYS:HD2	17	0.31
(1,2813)	1:30:B:LYS:H	1:30:B:LYS:HD3	17	0.31
(1,2800)	1:28:B:LEU:HD11	1:32:B:GLU:H	11	0.31
(1,2800)	1:28:B:LEU:HD12	1:32:B:GLU:H	11	0.31
(1,2800)	1:28:B:LEU:HD13	1:32:B:GLU:H	11	0.31
(1,2800)	1:28:B:LEU:HD21	1:32:B:GLU:H	11	0.31
(1,2800)	1:28:B:LEU:HD22	1:32:B:GLU:H	11	0.31
(1,2800)	1:28:B:LEU:HD23	1:32:B:GLU:H	11	0.31
(1,2605)	1:28:A:LEU:HD11	1:32:A:GLU:H	11	0.31
(1,2605)	1:28:A:LEU:HD12	1:32:A:GLU:H	11	0.31
(1,2605)	1:28:A:LEU:HD13	1:32:A:GLU:H	11	0.31
(1,2605)	1:28:A:LEU:HD21	1:32:A:GLU:H	11	0.31
(1,2605)	1:28:A:LEU:HD22	1:32:A:GLU:H	11	0.31
(1,2605)	1:28:A:LEU:HD23	1:32:A:GLU:H	11	0.31
(1,2605)	1:28:A:LEU:HD11	1:32:A:GLU:H	13	0.31
(1,2605)	1:28:A:LEU:HD12	1:32:A:GLU:H	13	0.31
(1,2605)	1:28:A:LEU:HD13	1:32:A:GLU:H	13	0.31
(1,2605)	1:28:A:LEU:HD21	1:32:A:GLU:H	13	0.31
(1,2605)	1:28:A:LEU:HD22	1:32:A:GLU:H	13	0.31
(1,2605)	1:28:A:LEU:HD23	1:32:A:GLU:H	13	0.31
(1,2605)	1:28:A:LEU:HD11	1:32:A:GLU:H	16	0.31
(1,2605)	1:28:A:LEU:HD12	1:32:A:GLU:H	16	0.31
(1,2605)	1:28:A:LEU:HD13	1:32:A:GLU:H	16	0.31
(1,2605)	1:28:A:LEU:HD21	1:32:A:GLU:H	16	0.31
(1,2605)	1:28:A:LEU:HD22	1:32:A:GLU:H	16	0.31
(1,2605)	1:28:A:LEU:HD23	1:32:A:GLU:H	16	0.31
(1,2500)	1:36:B:LEU:HG	1:74:B:TYR:HE1	7	0.31
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD11	2	0.31
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD12	2	0.31
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD13	2	0.31
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD11	9	0.31
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD12	9	0.31
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD13	9	0.31
(1,2463)	1:41:A:LEU:HG	1:44:A:PHE:HD1	4	0.31
(1,2463)	1:41:A:LEU:HG	1:44:A:PHE:HD1	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2463)	1:41:A:LEU:HG	1:44:A:PHE:HD1	12	0.31
(1,2463)	1:41:A:LEU:HG	1:44:A:PHE:HD1	17	0.31
(1,2415)	1:57:A:VAL:HG11	1:80:A:ALA:HB1	10	0.31
(1,2415)	1:57:A:VAL:HG11	1:80:A:ALA:HB2	10	0.31
(1,2415)	1:57:A:VAL:HG11	1:80:A:ALA:HB3	10	0.31
(1,2415)	1:57:A:VAL:HG12	1:80:A:ALA:HB1	10	0.31
(1,2415)	1:57:A:VAL:HG12	1:80:A:ALA:HB2	10	0.31
(1,2415)	1:57:A:VAL:HG12	1:80:A:ALA:HB3	10	0.31
(1,2415)	1:57:A:VAL:HG13	1:80:A:ALA:HB1	10	0.31
(1,2415)	1:57:A:VAL:HG13	1:80:A:ALA:HB2	10	0.31
(1,2415)	1:57:A:VAL:HG13	1:80:A:ALA:HB3	10	0.31
(1,2382)	1:4:B:LEU:HD21	1:7:B:ALA:HB1	15	0.31
(1,2382)	1:4:B:LEU:HD21	1:7:B:ALA:HB2	15	0.31
(1,2382)	1:4:B:LEU:HD21	1:7:B:ALA:HB3	15	0.31
(1,2382)	1:4:B:LEU:HD22	1:7:B:ALA:HB1	15	0.31
(1,2382)	1:4:B:LEU:HD22	1:7:B:ALA:HB2	15	0.31
(1,2382)	1:4:B:LEU:HD22	1:7:B:ALA:HB3	15	0.31
(1,2382)	1:4:B:LEU:HD23	1:7:B:ALA:HB1	15	0.31
(1,2382)	1:4:B:LEU:HD23	1:7:B:ALA:HB2	15	0.31
(1,2382)	1:4:B:LEU:HD23	1:7:B:ALA:HB3	15	0.31
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG2	12	0.31
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG3	12	0.31
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG2	18	0.31
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG3	18	0.31
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG2	20	0.31
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG3	20	0.31
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG2	10	0.31
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG3	10	0.31
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG2	14	0.31
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG3	14	0.31
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG2	15	0.31
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG3	15	0.31
(1,2251)	1:28:A:LEU:HD11	1:32:A:GLU:HB3	7	0.31
(1,2251)	1:28:A:LEU:HD12	1:32:A:GLU:HB3	7	0.31
(1,2251)	1:28:A:LEU:HD13	1:32:A:GLU:HB3	7	0.31
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD11	18	0.31
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD12	18	0.31
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD13	18	0.31
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG21	14	0.31
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG22	14	0.31
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG23	14	0.31
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG21	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG22	19	0.31
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG23	19	0.31
(1,2126)	1:21:B:LYS:HD2	1:32:B:GLU:HB2	13	0.31
(1,2126)	1:21:B:LYS:HD3	1:32:B:GLU:HB2	13	0.31
(1,1982)	1:45:B:LEU:HB2	1:46:B:ASP:HB3	6	0.31
(1,1756)	1:29:B:SER:HA	1:68:B:GLU:HG2	16	0.31
(1,1742)	1:8:A:MET:HE1	1:44:B:PHE:HZ	12	0.31
(1,1742)	1:8:A:MET:HE2	1:44:B:PHE:HZ	12	0.31
(1,1742)	1:8:A:MET:HE3	1:44:B:PHE:HZ	12	0.31
(1,1542)	1:33:B:LEU:HA	1:36:B:LEU:HA	19	0.31
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG21	2	0.31
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG22	2	0.31
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG23	2	0.31
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG21	2	0.31
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG22	2	0.31
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG23	2	0.31
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG21	2	0.31
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG22	2	0.31
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG23	2	0.31
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB2	4	0.31
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB3	4	0.31
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB2	7	0.31
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB3	7	0.31
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB2	12	0.31
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB3	12	0.31
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD11	7	0.31
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD12	7	0.31
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD13	7	0.31
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD11	9	0.31
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD12	9	0.31
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD13	9	0.31
(1,1112)	1:52:B:ASP:HB2	1:53:B:ALA:H	11	0.31
(1,1040)	1:9:B:GLU:HB3	1:10:B:THR:H	6	0.31
(1,845)	1:31:A:LYS:HB2	1:32:A:GLU:H	1	0.31
(1,845)	1:31:A:LYS:HB2	1:32:A:GLU:H	7	0.31
(1,845)	1:31:A:LYS:HB2	1:32:A:GLU:H	9	0.31
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD11	10	0.31
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD12	10	0.31
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD13	10	0.31
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD11	5	0.31
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD12	5	0.31
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD13	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD11	16	0.31
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD12	16	0.31
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD13	16	0.31
(1,760)	1:60:B:GLU:HG3	1:64:B:ASN:HD21	17	0.31
(1,722)	1:9:B:GLU:HB2	1:10:B:THR:H	16	0.31
(1,712)	1:41:B:LEU:HB2	1:42:B:SER:H	4	0.31
(1,712)	1:41:B:LEU:HB2	1:42:B:SER:H	14	0.31
(1,712)	1:41:B:LEU:HB2	1:42:B:SER:H	15	0.31
(1,711)	1:41:A:LEU:HB2	1:42:A:SER:H	15	0.31
(1,711)	1:41:A:LEU:HB2	1:42:A:SER:H	17	0.31
(1,652)	1:30:B:LYS:HB2	1:65:B:GLY:H	16	0.31
(1,502)	1:12:B:ILE:HD11	1:13:B:ASN:H	5	0.31
(1,502)	1:12:B:ILE:HD12	1:13:B:ASN:H	5	0.31
(1,502)	1:12:B:ILE:HD13	1:13:B:ASN:H	5	0.31
(1,502)	1:12:B:ILE:HD11	1:13:B:ASN:H	11	0.31
(1,502)	1:12:B:ILE:HD12	1:13:B:ASN:H	11	0.31
(1,502)	1:12:B:ILE:HD13	1:13:B:ASN:H	11	0.31
(1,502)	1:12:B:ILE:HD11	1:13:B:ASN:H	17	0.31
(1,502)	1:12:B:ILE:HD12	1:13:B:ASN:H	17	0.31
(1,502)	1:12:B:ILE:HD13	1:13:B:ASN:H	17	0.31
(1,502)	1:12:B:ILE:HD11	1:13:B:ASN:H	19	0.31
(1,502)	1:12:B:ILE:HD12	1:13:B:ASN:H	19	0.31
(1,502)	1:12:B:ILE:HD13	1:13:B:ASN:H	19	0.31
(1,501)	1:12:A:ILE:HD11	1:13:A:ASN:H	12	0.31
(1,501)	1:12:A:ILE:HD12	1:13:A:ASN:H	12	0.31
(1,501)	1:12:A:ILE:HD13	1:13:A:ASN:H	12	0.31
(1,484)	1:39:B:THR:H	1:41:B:LEU:HB2	4	0.31
(1,484)	1:39:B:THR:H	1:41:B:LEU:HB2	5	0.31
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG11	5	0.31
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG12	5	0.31
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG13	5	0.31
(1,140)	1:41:B:LEU:HB2	1:43:B:GLY:H	8	0.31
(1,140)	1:41:B:LEU:HB2	1:43:B:GLY:H	12	0.31
(1,128)	1:7:B:ALA:H	1:9:B:GLU:HB3	15	0.31
(1,127)	1:7:A:ALA:H	1:9:A:GLU:HB3	1	0.31
(1,2800)	1:28:B:LEU:HD11	1:32:B:GLU:H	2	0.3
(1,2800)	1:28:B:LEU:HD12	1:32:B:GLU:H	2	0.3
(1,2800)	1:28:B:LEU:HD13	1:32:B:GLU:H	2	0.3
(1,2800)	1:28:B:LEU:HD21	1:32:B:GLU:H	2	0.3
(1,2800)	1:28:B:LEU:HD22	1:32:B:GLU:H	2	0.3
(1,2800)	1:28:B:LEU:HD23	1:32:B:GLU:H	2	0.3
(1,2800)	1:28:B:LEU:HD11	1:32:B:GLU:H	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2800)	1:28:B:LEU:HD12	1:32:B:GLU:H	3	0.3
(1,2800)	1:28:B:LEU:HD13	1:32:B:GLU:H	3	0.3
(1,2800)	1:28:B:LEU:HD21	1:32:B:GLU:H	3	0.3
(1,2800)	1:28:B:LEU:HD22	1:32:B:GLU:H	3	0.3
(1,2800)	1:28:B:LEU:HD23	1:32:B:GLU:H	3	0.3
(1,2605)	1:28:A:LEU:HD11	1:32:A:GLU:H	17	0.3
(1,2605)	1:28:A:LEU:HD12	1:32:A:GLU:H	17	0.3
(1,2605)	1:28:A:LEU:HD13	1:32:A:GLU:H	17	0.3
(1,2605)	1:28:A:LEU:HD21	1:32:A:GLU:H	17	0.3
(1,2605)	1:28:A:LEU:HD22	1:32:A:GLU:H	17	0.3
(1,2605)	1:28:A:LEU:HD23	1:32:A:GLU:H	17	0.3
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD11	7	0.3
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD12	7	0.3
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD13	7	0.3
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD11	8	0.3
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD12	8	0.3
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD13	8	0.3
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD11	12	0.3
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD12	12	0.3
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD13	12	0.3
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD11	19	0.3
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD12	19	0.3
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD13	19	0.3
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD11	1	0.3
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD12	1	0.3
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD13	1	0.3
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD11	4	0.3
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD12	4	0.3
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD13	4	0.3
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD11	12	0.3
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD12	12	0.3
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD13	12	0.3
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD11	13	0.3
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD12	13	0.3
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD13	13	0.3
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD11	17	0.3
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD12	17	0.3
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD13	17	0.3
(1,2463)	1:41:A:LEU:HG	1:44:A:PHE:HD1	10	0.3
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG2	6	0.3
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG3	6	0.3
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG2	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG3	20	0.3
(1,2252)	1:28:B:LEU:HD11	1:32:B:GLU:HB3	8	0.3
(1,2252)	1:28:B:LEU:HD12	1:32:B:GLU:HB3	8	0.3
(1,2252)	1:28:B:LEU:HD13	1:32:B:GLU:HB3	8	0.3
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD11	5	0.3
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD12	5	0.3
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD13	5	0.3
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG21	10	0.3
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG22	10	0.3
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG23	10	0.3
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG21	13	0.3
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG22	13	0.3
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG23	13	0.3
(1,2161)	1:3:A:GLU:HA	1:6:A:THR:HB	7	0.3
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB1	6	0.3
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB2	6	0.3
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB3	6	0.3
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB2	8	0.3
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB3	8	0.3
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB2	8	0.3
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB3	8	0.3
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB2	8	0.3
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB3	8	0.3
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB1	9	0.3
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB2	9	0.3
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB3	9	0.3
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB1	9	0.3
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB2	9	0.3
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB3	9	0.3
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB1	16	0.3
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB2	16	0.3
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB3	16	0.3
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB1	16	0.3
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB2	16	0.3
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB3	16	0.3
(1,1589)	1:24:A:ASP:HA	1:27:A:LYS:HB2	14	0.3
(1,1542)	1:33:B:LEU:HA	1:36:B:LEU:HA	12	0.3
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB2	16	0.3
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB3	16	0.3
(1,1153)	1:28:A:LEU:HD21	1:29:A:SER:H	4	0.3
(1,1153)	1:28:A:LEU:HD22	1:29:A:SER:H	4	0.3
(1,1153)	1:28:A:LEU:HD23	1:29:A:SER:H	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1153)	1:28:A:LEU:HD21	1:29:A:SER:H	18	0.3
(1,1153)	1:28:A:LEU:HD22	1:29:A:SER:H	18	0.3
(1,1153)	1:28:A:LEU:HD23	1:29:A:SER:H	18	0.3
(1,1151)	1:28:A:LEU:HD11	1:29:A:SER:H	10	0.3
(1,1151)	1:28:A:LEU:HD12	1:29:A:SER:H	10	0.3
(1,1151)	1:28:A:LEU:HD13	1:29:A:SER:H	10	0.3
(1,1111)	1:52:A:ASP:HB2	1:53:A:ALA:H	1	0.3
(1,1040)	1:9:B:GLU:HB3	1:10:B:THR:H	7	0.3
(1,846)	1:31:B:LYS:HB2	1:32:B:GLU:H	10	0.3
(1,722)	1:9:B:GLU:HB2	1:10:B:THR:H	4	0.3
(1,722)	1:9:B:GLU:HB2	1:10:B:THR:H	13	0.3
(1,712)	1:41:B:LEU:HB2	1:42:B:SER:H	7	0.3
(1,711)	1:41:A:LEU:HB2	1:42:A:SER:H	9	0.3
(1,683)	1:13:A:ASN:HA	1:17:A:ALA:H	19	0.3
(1,651)	1:30:A:LYS:HB2	1:65:A:GLY:H	10	0.3
(1,651)	1:30:A:LYS:HB2	1:65:A:GLY:H	15	0.3
(1,619)	1:65:A:GLY:H	1:67:A:GLY:H	6	0.3
(1,502)	1:12:B:ILE:HD11	1:13:B:ASN:H	8	0.3
(1,502)	1:12:B:ILE:HD12	1:13:B:ASN:H	8	0.3
(1,502)	1:12:B:ILE:HD13	1:13:B:ASN:H	8	0.3
(1,501)	1:12:A:ILE:HD11	1:13:A:ASN:H	3	0.3
(1,501)	1:12:A:ILE:HD12	1:13:A:ASN:H	3	0.3
(1,501)	1:12:A:ILE:HD13	1:13:A:ASN:H	3	0.3
(1,501)	1:12:A:ILE:HD11	1:13:A:ASN:H	8	0.3
(1,501)	1:12:A:ILE:HD12	1:13:A:ASN:H	8	0.3
(1,501)	1:12:A:ILE:HD13	1:13:A:ASN:H	8	0.3
(1,459)	1:76:A:VAL:HG11	1:72:B:GLN:HE22	1	0.3
(1,459)	1:76:A:VAL:HG12	1:72:B:GLN:HE22	1	0.3
(1,459)	1:76:A:VAL:HG13	1:72:B:GLN:HE22	1	0.3
(1,128)	1:7:B:ALA:H	1:9:B:GLU:HB3	14	0.3
(1,127)	1:7:A:ALA:H	1:9:A:GLU:HB3	11	0.3
(1,74)	1:9:B:GLU:HB2	1:13:B:ASN:HD21	6	0.3
(1,73)	1:9:A:GLU:HB2	1:13:A:ASN:HD21	1	0.3
(1,2800)	1:28:B:LEU:HD11	1:32:B:GLU:H	1	0.29
(1,2800)	1:28:B:LEU:HD12	1:32:B:GLU:H	1	0.29
(1,2800)	1:28:B:LEU:HD13	1:32:B:GLU:H	1	0.29
(1,2800)	1:28:B:LEU:HD21	1:32:B:GLU:H	1	0.29
(1,2800)	1:28:B:LEU:HD22	1:32:B:GLU:H	1	0.29
(1,2800)	1:28:B:LEU:HD23	1:32:B:GLU:H	1	0.29
(1,2800)	1:28:B:LEU:HD11	1:32:B:GLU:H	4	0.29
(1,2800)	1:28:B:LEU:HD12	1:32:B:GLU:H	4	0.29
(1,2800)	1:28:B:LEU:HD13	1:32:B:GLU:H	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2800)	1:28:B:LEU:HD21	1:32:B:GLU:H	4	0.29
(1,2800)	1:28:B:LEU:HD22	1:32:B:GLU:H	4	0.29
(1,2800)	1:28:B:LEU:HD23	1:32:B:GLU:H	4	0.29
(1,2800)	1:28:B:LEU:HD11	1:32:B:GLU:H	12	0.29
(1,2800)	1:28:B:LEU:HD12	1:32:B:GLU:H	12	0.29
(1,2800)	1:28:B:LEU:HD13	1:32:B:GLU:H	12	0.29
(1,2800)	1:28:B:LEU:HD21	1:32:B:GLU:H	12	0.29
(1,2800)	1:28:B:LEU:HD22	1:32:B:GLU:H	12	0.29
(1,2800)	1:28:B:LEU:HD23	1:32:B:GLU:H	12	0.29
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG11	20	0.29
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG12	20	0.29
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG13	20	0.29
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG21	20	0.29
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG22	20	0.29
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG23	20	0.29
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG11	1	0.29
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG12	1	0.29
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG13	1	0.29
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG21	1	0.29
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG22	1	0.29
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG23	1	0.29
(1,2720)	1:91:A:GLU:HG2	1:93:A:SER:H	17	0.29
(1,2720)	1:91:A:GLU:HG3	1:93:A:SER:H	17	0.29
(1,2720)	1:91:A:GLU:HG2	1:93:A:SER:H	19	0.29
(1,2720)	1:91:A:GLU:HG3	1:93:A:SER:H	19	0.29
(1,2720)	1:91:A:GLU:HG2	1:93:A:SER:H	20	0.29
(1,2720)	1:91:A:GLU:HG3	1:93:A:SER:H	20	0.29
(1,2605)	1:28:A:LEU:HD11	1:32:A:GLU:H	1	0.29
(1,2605)	1:28:A:LEU:HD12	1:32:A:GLU:H	1	0.29
(1,2605)	1:28:A:LEU:HD13	1:32:A:GLU:H	1	0.29
(1,2605)	1:28:A:LEU:HD21	1:32:A:GLU:H	1	0.29
(1,2605)	1:28:A:LEU:HD22	1:32:A:GLU:H	1	0.29
(1,2605)	1:28:A:LEU:HD23	1:32:A:GLU:H	1	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD11	1	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD12	1	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD13	1	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD11	4	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD12	4	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD13	4	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD11	6	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD12	6	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD13	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD11	11	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD12	11	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD13	11	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD11	14	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD12	14	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD13	14	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD11	15	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD12	15	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD13	15	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD11	18	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD12	18	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD13	18	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD11	20	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD12	20	0.29
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD13	20	0.29
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD11	8	0.29
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD12	8	0.29
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD13	8	0.29
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD11	11	0.29
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD12	11	0.29
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD13	11	0.29
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD11	14	0.29
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD12	14	0.29
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD13	14	0.29
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE1	18	0.29
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE2	18	0.29
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE3	18	0.29
(1,2252)	1:28:B:LEU:HD11	1:32:B:GLU:HB3	19	0.29
(1,2252)	1:28:B:LEU:HD12	1:32:B:GLU:HB3	19	0.29
(1,2252)	1:28:B:LEU:HD13	1:32:B:GLU:HB3	19	0.29
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG21	6	0.29
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG22	6	0.29
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG23	6	0.29
(1,2162)	1:3:B:GLU:HA	1:6:B:THR:HB	10	0.29
(1,2162)	1:3:B:GLU:HA	1:6:B:THR:HB	20	0.29
(1,1982)	1:45:B:LEU:HB2	1:46:B:ASP:HB3	12	0.29
(1,1961)	1:31:A:LYS:HE2	1:32:A:GLU:HG3	12	0.29
(1,1961)	1:31:A:LYS:HE3	1:32:A:GLU:HG3	12	0.29
(1,1898)	1:9:B:GLU:HG2	1:10:B:THR:HA	12	0.29
(1,1897)	1:9:A:GLU:HG2	1:10:A:THR:HA	9	0.29
(1,1806)	1:53:B:ALA:HB1	1:81:B:LEU:HA	1	0.29
(1,1806)	1:53:B:ALA:HB2	1:81:B:LEU:HA	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1806)	1:53:B:ALA:HB3	1:81:B:LEU:HA	1	0.29
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB1	16	0.29
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB2	16	0.29
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB3	16	0.29
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB2	12	0.29
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB3	12	0.29
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB2	12	0.29
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB3	12	0.29
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB2	12	0.29
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB3	12	0.29
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB2	18	0.29
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB3	18	0.29
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB2	18	0.29
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB3	18	0.29
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB2	18	0.29
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB3	18	0.29
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB1	5	0.29
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB2	5	0.29
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB3	5	0.29
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB1	5	0.29
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB2	5	0.29
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB3	5	0.29
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB1	14	0.29
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB2	14	0.29
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB3	14	0.29
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB1	14	0.29
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB2	14	0.29
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB3	14	0.29
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB1	17	0.29
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB2	17	0.29
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB3	17	0.29
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB1	17	0.29
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB2	17	0.29
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB3	17	0.29
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB1	20	0.29
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB2	20	0.29
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB3	20	0.29
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB1	20	0.29
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB2	20	0.29
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB3	20	0.29
(1,1640)	1:29:B:SER:HB2	1:31:B:LYS:HB3	10	0.29
(1,1589)	1:24:A:ASP:HA	1:27:A:LYS:HB2	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1558)	1:34:B:LYS:HG3	1:62:B:ASP:HA	4	0.29
(1,1557)	1:34:A:LYS:HG3	1:62:A:ASP:HA	15	0.29
(1,1542)	1:33:B:LEU:HA	1:36:B:LEU:HA	17	0.29
(1,1541)	1:33:A:LEU:HA	1:36:A:LEU:HA	5	0.29
(1,1541)	1:33:A:LEU:HA	1:36:A:LEU:HA	14	0.29
(1,1370)	1:91:B:GLU:H	1:91:B:GLU:HB3	2	0.29
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB2	19	0.29
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB3	19	0.29
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB2	1	0.29
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB3	1	0.29
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD11	3	0.29
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD12	3	0.29
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD13	3	0.29
(1,1153)	1:28:A:LEU:HD21	1:29:A:SER:H	12	0.29
(1,1153)	1:28:A:LEU:HD22	1:29:A:SER:H	12	0.29
(1,1153)	1:28:A:LEU:HD23	1:29:A:SER:H	12	0.29
(1,1112)	1:52:B:ASP:HB2	1:53:B:ALA:H	2	0.29
(1,845)	1:31:A:LYS:HB2	1:32:A:GLU:H	12	0.29
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD11	11	0.29
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD12	11	0.29
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD13	11	0.29
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD11	7	0.29
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD12	7	0.29
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD13	7	0.29
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD21	4	0.29
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD22	4	0.29
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD23	4	0.29
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD21	20	0.29
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD22	20	0.29
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD23	20	0.29
(1,759)	1:60:A:GLU:HG3	1:64:A:ASN:HD21	16	0.29
(1,721)	1:9:A:GLU:HB2	1:10:A:THR:H	9	0.29
(1,721)	1:9:A:GLU:HB2	1:10:A:THR:H	16	0.29
(1,712)	1:41:B:LEU:HB2	1:42:B:SER:H	6	0.29
(1,712)	1:41:B:LEU:HB2	1:42:B:SER:H	9	0.29
(1,712)	1:41:B:LEU:HB2	1:42:B:SER:H	19	0.29
(1,711)	1:41:A:LEU:HB2	1:42:A:SER:H	2	0.29
(1,711)	1:41:A:LEU:HB2	1:42:A:SER:H	10	0.29
(1,711)	1:41:A:LEU:HB2	1:42:A:SER:H	20	0.29
(1,683)	1:13:A:ASN:HA	1:17:A:ALA:H	16	0.29
(1,652)	1:30:B:LYS:HB2	1:65:B:GLY:H	12	0.29
(1,652)	1:30:B:LYS:HB2	1:65:B:GLY:H	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,652)	1:30:B:LYS:HB2	1:65:B:GLY:H	20	0.29
(1,543)	1:31:A:LYS:H	1:65:A:GLY:H	16	0.29
(1,502)	1:12:B:ILE:HD11	1:13:B:ASN:H	4	0.29
(1,502)	1:12:B:ILE:HD12	1:13:B:ASN:H	4	0.29
(1,502)	1:12:B:ILE:HD13	1:13:B:ASN:H	4	0.29
(1,502)	1:12:B:ILE:HD11	1:13:B:ASN:H	6	0.29
(1,502)	1:12:B:ILE:HD12	1:13:B:ASN:H	6	0.29
(1,502)	1:12:B:ILE:HD13	1:13:B:ASN:H	6	0.29
(1,502)	1:12:B:ILE:HD11	1:13:B:ASN:H	15	0.29
(1,502)	1:12:B:ILE:HD12	1:13:B:ASN:H	15	0.29
(1,502)	1:12:B:ILE:HD13	1:13:B:ASN:H	15	0.29
(1,501)	1:12:A:ILE:HD11	1:13:A:ASN:H	13	0.29
(1,501)	1:12:A:ILE:HD12	1:13:A:ASN:H	13	0.29
(1,501)	1:12:A:ILE:HD13	1:13:A:ASN:H	13	0.29
(1,483)	1:39:A:THR:H	1:41:A:LEU:HB2	2	0.29
(1,164)	1:13:B:ASN:HD22	1:14:B:VAL:H	13	0.29
(1,127)	1:7:A:ALA:H	1:9:A:GLU:HB3	8	0.29
(1,127)	1:7:A:ALA:H	1:9:A:GLU:HB3	18	0.29
(1,2913)	1:91:B:GLU:HG2	1:93:B:SER:H	2	0.28
(1,2913)	1:91:B:GLU:HG3	1:93:B:SER:H	2	0.28
(1,2913)	1:91:B:GLU:HG2	1:93:B:SER:H	15	0.28
(1,2913)	1:91:B:GLU:HG3	1:93:B:SER:H	15	0.28
(1,2913)	1:91:B:GLU:HG2	1:93:B:SER:H	19	0.28
(1,2913)	1:91:B:GLU:HG3	1:93:B:SER:H	19	0.28
(1,2864)	1:40:B:GLU:HG2	1:41:B:LEU:H	16	0.28
(1,2864)	1:40:B:GLU:HG3	1:41:B:LEU:H	16	0.28
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG2	8	0.28
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG3	8	0.28
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG2	9	0.28
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG3	9	0.28
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG11	8	0.28
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG12	8	0.28
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG13	8	0.28
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG21	8	0.28
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG22	8	0.28
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG23	8	0.28
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG11	16	0.28
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG12	16	0.28
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG13	16	0.28
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG21	16	0.28
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG22	16	0.28
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG23	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG11	4	0.28
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG12	4	0.28
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG13	4	0.28
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG21	4	0.28
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG22	4	0.28
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG23	4	0.28
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG11	10	0.28
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG12	10	0.28
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG13	10	0.28
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG21	10	0.28
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG22	10	0.28
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG23	10	0.28
(1,2605)	1:28:A:LEU:HD11	1:32:A:GLU:H	12	0.28
(1,2605)	1:28:A:LEU:HD12	1:32:A:GLU:H	12	0.28
(1,2605)	1:28:A:LEU:HD13	1:32:A:GLU:H	12	0.28
(1,2605)	1:28:A:LEU:HD21	1:32:A:GLU:H	12	0.28
(1,2605)	1:28:A:LEU:HD22	1:32:A:GLU:H	12	0.28
(1,2605)	1:28:A:LEU:HD23	1:32:A:GLU:H	12	0.28
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG2	9	0.28
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG3	9	0.28
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG11	4	0.28
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG12	4	0.28
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG13	4	0.28
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG21	4	0.28
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG22	4	0.28
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG23	4	0.28
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD11	3	0.28
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD12	3	0.28
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD13	3	0.28
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD11	9	0.28
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD12	9	0.28
(1,2490)	1:74:B:TYR:HD1	1:77:B:LEU:HD13	9	0.28
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD11	3	0.28
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD12	3	0.28
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD13	3	0.28
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD11	18	0.28
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD12	18	0.28
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD13	18	0.28
(1,2463)	1:41:A:LEU:HG	1:44:A:PHE:HD1	14	0.28
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG2	5	0.28
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG3	5	0.28
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG21	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG22	1	0.28
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG23	1	0.28
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG21	5	0.28
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG22	5	0.28
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG23	5	0.28
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG21	17	0.28
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG22	17	0.28
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG23	17	0.28
(1,1907)	1:47:A:ALA:HB1	1:49:A:LYS:HG2	13	0.28
(1,1907)	1:47:A:ALA:HB2	1:49:A:LYS:HG2	13	0.28
(1,1907)	1:47:A:ALA:HB3	1:49:A:LYS:HG2	13	0.28
(1,1898)	1:9:B:GLU:HG2	1:10:B:THR:HA	16	0.28
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB1	9	0.28
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB2	9	0.28
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB3	9	0.28
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB2	1	0.28
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB3	1	0.28
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB2	1	0.28
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB3	1	0.28
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB2	1	0.28
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB3	1	0.28
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB2	6	0.28
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB3	6	0.28
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB2	6	0.28
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB3	6	0.28
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB2	6	0.28
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB3	6	0.28
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB2	7	0.28
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB3	7	0.28
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB2	7	0.28
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB3	7	0.28
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB2	7	0.28
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB3	7	0.28
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB2	10	0.28
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB3	10	0.28
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB2	10	0.28
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB3	10	0.28
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB2	10	0.28
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB3	10	0.28
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB2	14	0.28
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB3	14	0.28
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB2	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB3	14	0.28
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB2	14	0.28
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB3	14	0.28
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB2	19	0.28
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB3	19	0.28
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB2	19	0.28
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB3	19	0.28
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB2	19	0.28
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB3	19	0.28
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB1	1	0.28
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB2	1	0.28
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB3	1	0.28
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB1	1	0.28
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB2	1	0.28
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB3	1	0.28
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB1	2	0.28
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB2	2	0.28
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB3	2	0.28
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB1	2	0.28
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB2	2	0.28
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB3	2	0.28
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB1	6	0.28
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB2	6	0.28
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB3	6	0.28
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB1	6	0.28
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB2	6	0.28
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB3	6	0.28
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB1	7	0.28
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB2	7	0.28
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB3	7	0.28
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB1	7	0.28
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB2	7	0.28
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB3	7	0.28
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB1	8	0.28
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB2	8	0.28
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB3	8	0.28
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB1	8	0.28
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB2	8	0.28
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB3	8	0.28
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB1	13	0.28
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB2	13	0.28
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB3	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB1	13	0.28
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB2	13	0.28
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB3	13	0.28
(1,1756)	1:29:B:SER:HA	1:68:B:GLU:HG2	2	0.28
(1,1698)	1:11:A:LEU:HG	1:4:B:LEU:HG	2	0.28
(1,1698)	1:11:A:LEU:HG	1:4:B:LEU:HG	9	0.28
(1,1698)	1:11:A:LEU:HG	1:4:B:LEU:HG	13	0.28
(1,1697)	1:4:A:LEU:HG	1:11:B:LEU:HG	9	0.28
(1,1697)	1:4:A:LEU:HG	1:11:B:LEU:HG	13	0.28
(1,1697)	1:4:A:LEU:HG	1:11:B:LEU:HG	16	0.28
(1,1668)	1:31:B:LYS:HG2	1:32:B:GLU:HG3	20	0.28
(1,1668)	1:31:B:LYS:HG3	1:32:B:GLU:HG3	20	0.28
(1,1589)	1:24:A:ASP:HA	1:27:A:LYS:HB2	19	0.28
(1,1422)	1:31:B:LYS:HB2	1:32:B:GLU:HB2	20	0.28
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB2	9	0.28
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB3	9	0.28
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB2	12	0.28
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB3	12	0.28
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB2	18	0.28
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB3	18	0.28
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB2	20	0.28
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB3	20	0.28
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB2	8	0.28
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB3	8	0.28
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB2	9	0.28
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB3	9	0.28
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB2	14	0.28
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB3	14	0.28
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD11	1	0.28
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD12	1	0.28
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD13	1	0.28
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD11	4	0.28
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD12	4	0.28
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD13	4	0.28
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD11	10	0.28
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD12	10	0.28
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD13	10	0.28
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD11	19	0.28
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD12	19	0.28
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD13	19	0.28
(1,1151)	1:28:A:LEU:HD11	1:29:A:SER:H	7	0.28
(1,1151)	1:28:A:LEU:HD12	1:29:A:SER:H	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1151)	1:28:A:LEU:HD13	1:29:A:SER:H	7	0.28
(1,845)	1:31:A:LYS:HB2	1:32:A:GLU:H	18	0.28
(1,712)	1:41:B:LEU:HB2	1:42:B:SER:H	10	0.28
(1,712)	1:41:B:LEU:HB2	1:42:B:SER:H	13	0.28
(1,711)	1:41:A:LEU:HB2	1:42:A:SER:H	4	0.28
(1,711)	1:41:A:LEU:HB2	1:42:A:SER:H	7	0.28
(1,711)	1:41:A:LEU:HB2	1:42:A:SER:H	13	0.28
(1,683)	1:13:A:ASN:HA	1:17:A:ALA:H	5	0.28
(1,652)	1:30:B:LYS:HB2	1:65:B:GLY:H	9	0.28
(1,652)	1:30:B:LYS:HB2	1:65:B:GLY:H	10	0.28
(1,652)	1:30:B:LYS:HB2	1:65:B:GLY:H	14	0.28
(1,544)	1:31:B:LYS:H	1:65:B:GLY:H	5	0.28
(1,543)	1:31:A:LYS:H	1:65:A:GLY:H	17	0.28
(1,501)	1:12:A:ILE:HD11	1:13:A:ASN:H	1	0.28
(1,501)	1:12:A:ILE:HD12	1:13:A:ASN:H	1	0.28
(1,501)	1:12:A:ILE:HD13	1:13:A:ASN:H	1	0.28
(1,501)	1:12:A:ILE:HD11	1:13:A:ASN:H	9	0.28
(1,501)	1:12:A:ILE:HD12	1:13:A:ASN:H	9	0.28
(1,501)	1:12:A:ILE:HD13	1:13:A:ASN:H	9	0.28
(1,484)	1:39:B:THR:H	1:41:B:LEU:HB2	17	0.28
(1,459)	1:76:A:VAL:HG11	1:72:B:GLN:HE22	18	0.28
(1,459)	1:76:A:VAL:HG12	1:72:B:GLN:HE22	18	0.28
(1,459)	1:76:A:VAL:HG13	1:72:B:GLN:HE22	18	0.28
(1,266)	1:41:B:LEU:HB3	1:44:B:PHE:H	3	0.28
(1,164)	1:13:B:ASN:HD22	1:14:B:VAL:H	7	0.28
(1,139)	1:41:A:LEU:HB2	1:43:A:GLY:H	11	0.28
(1,128)	1:7:B:ALA:H	1:9:B:GLU:HB3	7	0.28
(1,128)	1:7:B:ALA:H	1:9:B:GLU:HB3	8	0.28
(1,2864)	1:40:B:GLU:HG2	1:41:B:LEU:H	9	0.27
(1,2864)	1:40:B:GLU:HG3	1:41:B:LEU:H	9	0.27
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG11	14	0.27
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG12	14	0.27
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG13	14	0.27
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG21	14	0.27
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG22	14	0.27
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG23	14	0.27
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG11	6	0.27
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG12	6	0.27
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG13	6	0.27
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG21	6	0.27
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG22	6	0.27
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG23	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG11	11	0.27
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG12	11	0.27
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG13	11	0.27
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG21	11	0.27
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG22	11	0.27
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG23	11	0.27
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG11	16	0.27
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG12	16	0.27
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG13	16	0.27
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG21	16	0.27
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG22	16	0.27
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG23	16	0.27
(1,2499)	1:36:A:LEU:HG	1:74:A:TYR:HE1	20	0.27
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD11	6	0.27
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD12	6	0.27
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD13	6	0.27
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD11	15	0.27
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD12	15	0.27
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD13	15	0.27
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD11	19	0.27
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD12	19	0.27
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD13	19	0.27
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD11	20	0.27
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD12	20	0.27
(1,2489)	1:74:A:TYR:HD1	1:77:A:LEU:HD13	20	0.27
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE1	15	0.27
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE2	15	0.27
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE3	15	0.27
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD11	4	0.27
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD12	4	0.27
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD13	4	0.27
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD21	15	0.27
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD22	15	0.27
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD23	15	0.27
(1,2161)	1:3:A:GLU:HA	1:6:A:THR:HB	4	0.27
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB1	8	0.27
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB2	8	0.27
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB3	8	0.27
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB1	20	0.27
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB2	20	0.27
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB3	20	0.27
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB1	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB2	6	0.27
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB3	6	0.27
(1,1796)	1:41:B:LEU:HD11	1:44:B:PHE:HD1	17	0.27
(1,1796)	1:41:B:LEU:HD12	1:44:B:PHE:HD1	17	0.27
(1,1796)	1:41:B:LEU:HD13	1:44:B:PHE:HD1	17	0.27
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB2	2	0.27
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB3	2	0.27
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB2	2	0.27
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB3	2	0.27
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB2	2	0.27
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB3	2	0.27
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB2	9	0.27
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB3	9	0.27
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB2	9	0.27
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB3	9	0.27
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB2	9	0.27
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB3	9	0.27
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB1	3	0.27
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB2	3	0.27
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB3	3	0.27
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB1	3	0.27
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB2	3	0.27
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB3	3	0.27
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB1	11	0.27
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB2	11	0.27
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB3	11	0.27
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB1	11	0.27
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB2	11	0.27
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB3	11	0.27
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB1	18	0.27
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB2	18	0.27
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB3	18	0.27
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB1	18	0.27
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB2	18	0.27
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB3	18	0.27
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB1	16	0.27
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB2	16	0.27
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB3	16	0.27
(1,1698)	1:11:A:LEU:HG	1:4:B:LEU:HG	1	0.27
(1,1698)	1:11:A:LEU:HG	1:4:B:LEU:HG	3	0.27
(1,1698)	1:11:A:LEU:HG	1:4:B:LEU:HG	4	0.27
(1,1698)	1:11:A:LEU:HG	1:4:B:LEU:HG	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1698)	1:11:A:LEU:HG	1:4:B:LEU:HG	6	0.27
(1,1698)	1:11:A:LEU:HG	1:4:B:LEU:HG	8	0.27
(1,1698)	1:11:A:LEU:HG	1:4:B:LEU:HG	11	0.27
(1,1698)	1:11:A:LEU:HG	1:4:B:LEU:HG	12	0.27
(1,1698)	1:11:A:LEU:HG	1:4:B:LEU:HG	14	0.27
(1,1698)	1:11:A:LEU:HG	1:4:B:LEU:HG	16	0.27
(1,1698)	1:11:A:LEU:HG	1:4:B:LEU:HG	18	0.27
(1,1698)	1:11:A:LEU:HG	1:4:B:LEU:HG	19	0.27
(1,1697)	1:4:A:LEU:HG	1:11:B:LEU:HG	2	0.27
(1,1697)	1:4:A:LEU:HG	1:11:B:LEU:HG	4	0.27
(1,1697)	1:4:A:LEU:HG	1:11:B:LEU:HG	6	0.27
(1,1697)	1:4:A:LEU:HG	1:11:B:LEU:HG	7	0.27
(1,1697)	1:4:A:LEU:HG	1:11:B:LEU:HG	8	0.27
(1,1697)	1:4:A:LEU:HG	1:11:B:LEU:HG	11	0.27
(1,1697)	1:4:A:LEU:HG	1:11:B:LEU:HG	12	0.27
(1,1697)	1:4:A:LEU:HG	1:11:B:LEU:HG	14	0.27
(1,1697)	1:4:A:LEU:HG	1:11:B:LEU:HG	17	0.27
(1,1697)	1:4:A:LEU:HG	1:11:B:LEU:HG	18	0.27
(1,1541)	1:33:A:LEU:HA	1:36:A:LEU:HA	16	0.27
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG21	8	0.27
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG22	8	0.27
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG23	8	0.27
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG21	8	0.27
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG22	8	0.27
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG23	8	0.27
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG21	8	0.27
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG22	8	0.27
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG23	8	0.27
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB2	6	0.27
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB3	6	0.27
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB2	14	0.27
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB3	14	0.27
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB2	15	0.27
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB3	15	0.27
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD11	5	0.27
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD12	5	0.27
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD13	5	0.27
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD11	17	0.27
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD12	17	0.27
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD13	17	0.27
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD11	9	0.27
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD12	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD13	9	0.27
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD11	17	0.27
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD12	17	0.27
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD13	17	0.27
(1,845)	1:31:A:LYS:HB2	1:32:A:GLU:H	13	0.27
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD11	9	0.27
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD12	9	0.27
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD13	9	0.27
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD21	1	0.27
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD22	1	0.27
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD23	1	0.27
(1,759)	1:60:A:GLU:HG3	1:64:A:ASN:HD21	6	0.27
(1,712)	1:41:B:LEU:HB2	1:42:B:SER:H	17	0.27
(1,684)	1:13:B:ASN:HA	1:17:B:ALA:H	13	0.27
(1,683)	1:13:A:ASN:HA	1:17:A:ALA:H	9	0.27
(1,652)	1:30:B:LYS:HB2	1:65:B:GLY:H	7	0.27
(1,652)	1:30:B:LYS:HB2	1:65:B:GLY:H	13	0.27
(1,619)	1:65:A:GLY:H	1:67:A:GLY:H	20	0.27
(1,544)	1:31:B:LYS:H	1:65:B:GLY:H	2	0.27
(1,544)	1:31:B:LYS:H	1:65:B:GLY:H	11	0.27
(1,544)	1:31:B:LYS:H	1:65:B:GLY:H	17	0.27
(1,543)	1:31:A:LYS:H	1:65:A:GLY:H	2	0.27
(1,543)	1:31:A:LYS:H	1:65:A:GLY:H	13	0.27
(1,514)	1:39:B:THR:H	1:40:B:GLU:HA	1	0.27
(1,514)	1:39:B:THR:H	1:40:B:GLU:HA	3	0.27
(1,514)	1:39:B:THR:H	1:40:B:GLU:HA	8	0.27
(1,514)	1:39:B:THR:H	1:40:B:GLU:HA	9	0.27
(1,514)	1:39:B:THR:H	1:40:B:GLU:HA	11	0.27
(1,514)	1:39:B:THR:H	1:40:B:GLU:HA	12	0.27
(1,514)	1:39:B:THR:H	1:40:B:GLU:HA	14	0.27
(1,514)	1:39:B:THR:H	1:40:B:GLU:HA	15	0.27
(1,514)	1:39:B:THR:H	1:40:B:GLU:HA	18	0.27
(1,514)	1:39:B:THR:H	1:40:B:GLU:HA	19	0.27
(1,514)	1:39:B:THR:H	1:40:B:GLU:HA	20	0.27
(1,513)	1:39:A:THR:H	1:40:A:GLU:HA	1	0.27
(1,513)	1:39:A:THR:H	1:40:A:GLU:HA	2	0.27
(1,513)	1:39:A:THR:H	1:40:A:GLU:HA	3	0.27
(1,513)	1:39:A:THR:H	1:40:A:GLU:HA	4	0.27
(1,513)	1:39:A:THR:H	1:40:A:GLU:HA	6	0.27
(1,513)	1:39:A:THR:H	1:40:A:GLU:HA	8	0.27
(1,513)	1:39:A:THR:H	1:40:A:GLU:HA	11	0.27
(1,513)	1:39:A:THR:H	1:40:A:GLU:HA	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,513)	1:39:A:THR:H	1:40:A:GLU:HA	14	0.27
(1,513)	1:39:A:THR:H	1:40:A:GLU:HA	15	0.27
(1,513)	1:39:A:THR:H	1:40:A:GLU:HA	18	0.27
(1,502)	1:12:B:ILE:HD11	1:13:B:ASN:H	2	0.27
(1,502)	1:12:B:ILE:HD12	1:13:B:ASN:H	2	0.27
(1,502)	1:12:B:ILE:HD13	1:13:B:ASN:H	2	0.27
(1,502)	1:12:B:ILE:HD11	1:13:B:ASN:H	3	0.27
(1,502)	1:12:B:ILE:HD12	1:13:B:ASN:H	3	0.27
(1,502)	1:12:B:ILE:HD13	1:13:B:ASN:H	3	0.27
(1,502)	1:12:B:ILE:HD11	1:13:B:ASN:H	13	0.27
(1,502)	1:12:B:ILE:HD12	1:13:B:ASN:H	13	0.27
(1,502)	1:12:B:ILE:HD13	1:13:B:ASN:H	13	0.27
(1,484)	1:39:B:THR:H	1:41:B:LEU:HB2	8	0.27
(1,459)	1:76:A:VAL:HG11	1:72:B:GLN:HE22	10	0.27
(1,459)	1:76:A:VAL:HG12	1:72:B:GLN:HE22	10	0.27
(1,459)	1:76:A:VAL:HG13	1:72:B:GLN:HE22	10	0.27
(1,456)	1:41:B:LEU:HB3	1:45:B:LEU:H	7	0.27
(1,455)	1:41:A:LEU:HB3	1:45:A:LEU:H	9	0.27
(1,455)	1:41:A:LEU:HB3	1:45:A:LEU:H	20	0.27
(1,450)	1:49:B:LYS:HG2	1:50:B:ASP:H	16	0.27
(1,272)	1:40:B:GLU:HG3	1:41:B:LEU:H	10	0.27
(1,272)	1:40:B:GLU:HG3	1:41:B:LEU:H	13	0.27
(1,272)	1:40:B:GLU:HG3	1:41:B:LEU:H	16	0.27
(1,265)	1:41:A:LEU:HB3	1:44:A:PHE:H	12	0.27
(1,163)	1:13:A:ASN:HD22	1:14:A:VAL:H	17	0.27
(1,127)	1:7:A:ALA:H	1:9:A:GLU:HB3	10	0.27
(1,2864)	1:40:B:GLU:HG2	1:41:B:LEU:H	17	0.26
(1,2864)	1:40:B:GLU:HG3	1:41:B:LEU:H	17	0.26
(1,2800)	1:28:B:LEU:HD11	1:32:B:GLU:H	17	0.26
(1,2800)	1:28:B:LEU:HD12	1:32:B:GLU:H	17	0.26
(1,2800)	1:28:B:LEU:HD13	1:32:B:GLU:H	17	0.26
(1,2800)	1:28:B:LEU:HD21	1:32:B:GLU:H	17	0.26
(1,2800)	1:28:B:LEU:HD22	1:32:B:GLU:H	17	0.26
(1,2800)	1:28:B:LEU:HD23	1:32:B:GLU:H	17	0.26
(1,2733)	1:11:B:LEU:HA	1:14:B:VAL:HG11	12	0.26
(1,2733)	1:11:B:LEU:HA	1:14:B:VAL:HG12	12	0.26
(1,2733)	1:11:B:LEU:HA	1:14:B:VAL:HG13	12	0.26
(1,2733)	1:11:B:LEU:HA	1:14:B:VAL:HG21	12	0.26
(1,2733)	1:11:B:LEU:HA	1:14:B:VAL:HG22	12	0.26
(1,2733)	1:11:B:LEU:HA	1:14:B:VAL:HG23	12	0.26
(1,2671)	1:41:A:LEU:HD21	1:5:B:GLU:HG2	9	0.26
(1,2671)	1:41:A:LEU:HD21	1:5:B:GLU:HG3	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2671)	1:41:A:LEU:HD22	1:5:B:GLU:HG2	9	0.26
(1,2671)	1:41:A:LEU:HD22	1:5:B:GLU:HG3	9	0.26
(1,2671)	1:41:A:LEU:HD23	1:5:B:GLU:HG2	9	0.26
(1,2671)	1:41:A:LEU:HD23	1:5:B:GLU:HG3	9	0.26
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD11	18	0.26
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD12	18	0.26
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD13	18	0.26
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD21	18	0.26
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD22	18	0.26
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD23	18	0.26
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG11	8	0.26
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG12	8	0.26
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG13	8	0.26
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG21	8	0.26
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG22	8	0.26
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG23	8	0.26
(1,2530)	1:5:A:GLU:HG2	1:41:B:LEU:HD21	6	0.26
(1,2530)	1:5:A:GLU:HG2	1:41:B:LEU:HD22	6	0.26
(1,2530)	1:5:A:GLU:HG2	1:41:B:LEU:HD23	6	0.26
(1,2530)	1:5:A:GLU:HG3	1:41:B:LEU:HD21	6	0.26
(1,2530)	1:5:A:GLU:HG3	1:41:B:LEU:HD22	6	0.26
(1,2530)	1:5:A:GLU:HG3	1:41:B:LEU:HD23	6	0.26
(1,2464)	1:41:B:LEU:HG	1:44:B:PHE:HD1	14	0.26
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE1	12	0.26
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE2	12	0.26
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE3	12	0.26
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG2	9	0.26
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG3	9	0.26
(1,2251)	1:28:A:LEU:HD11	1:32:A:GLU:HB3	6	0.26
(1,2251)	1:28:A:LEU:HD12	1:32:A:GLU:HB3	6	0.26
(1,2251)	1:28:A:LEU:HD13	1:32:A:GLU:HB3	6	0.26
(1,2251)	1:28:A:LEU:HD11	1:32:A:GLU:HB3	20	0.26
(1,2251)	1:28:A:LEU:HD12	1:32:A:GLU:HB3	20	0.26
(1,2251)	1:28:A:LEU:HD13	1:32:A:GLU:HB3	20	0.26
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG21	2	0.26
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG22	2	0.26
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG23	2	0.26
(1,2037)	1:30:A:LYS:HB3	1:61:A:LEU:HA	20	0.26
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB1	12	0.26
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB2	12	0.26
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB3	12	0.26
(1,1918)	1:21:B:LYS:HD2	1:32:B:GLU:HB3	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1918)	1:21:B:LYS:HD3	1:32:B:GLU:HB3	7	0.26
(1,1897)	1:9:A:GLU:HG2	1:10:A:THR:HA	16	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB1	1	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB2	1	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB3	1	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB1	3	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB2	3	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB3	3	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB1	5	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB2	5	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB3	5	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB1	6	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB2	6	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB3	6	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB1	7	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB2	7	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB3	7	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB1	13	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB2	13	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB3	13	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB1	14	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB2	14	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB3	14	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB1	18	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB2	18	0.26
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB3	18	0.26
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB1	1	0.26
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB2	1	0.26
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB3	1	0.26
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB1	3	0.26
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB2	3	0.26
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB3	3	0.26
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB1	18	0.26
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB2	18	0.26
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB3	18	0.26
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB1	20	0.26
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB2	20	0.26
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB3	20	0.26
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB1	4	0.26
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB2	4	0.26
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB3	4	0.26
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB1	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB2	4	0.26
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB3	4	0.26
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB1	10	0.26
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB2	10	0.26
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB3	10	0.26
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB1	10	0.26
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB2	10	0.26
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB3	10	0.26
(1,1769)	1:21:A:LYS:HD2	1:32:A:GLU:HG3	13	0.26
(1,1769)	1:21:A:LYS:HD3	1:32:A:GLU:HG3	13	0.26
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB1	17	0.26
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB2	17	0.26
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB3	17	0.26
(1,1697)	1:4:A:LEU:HG	1:11:B:LEU:HG	20	0.26
(1,1640)	1:29:B:SER:HB2	1:31:B:LYS:HB3	8	0.26
(1,1639)	1:29:A:SER:HB2	1:31:A:LYS:HB3	9	0.26
(1,1590)	1:24:B:ASP:HA	1:27:B:LYS:HB2	10	0.26
(1,1589)	1:24:A:ASP:HA	1:27:A:LYS:HB2	16	0.26
(1,1558)	1:34:B:LYS:HG3	1:62:B:ASP:HA	6	0.26
(1,1541)	1:33:A:LEU:HA	1:36:A:LEU:HA	12	0.26
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG21	11	0.26
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG22	11	0.26
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG23	11	0.26
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG21	11	0.26
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG22	11	0.26
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG23	11	0.26
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG21	11	0.26
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG22	11	0.26
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG23	11	0.26
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE2	6	0.26
(1,1412)	1:22:B:GLU:HA	1:31:B:LYS:HE3	6	0.26
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB2	8	0.26
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB3	8	0.26
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB2	5	0.26
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB3	5	0.26
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB2	15	0.26
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB3	15	0.26
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD11	4	0.26
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD12	4	0.26
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD13	4	0.26
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD11	6	0.26
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD12	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD13	6	0.26
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD11	13	0.26
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD12	13	0.26
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD13	13	0.26
(1,1154)	1:28:B:LEU:HD21	1:29:B:SER:H	5	0.26
(1,1154)	1:28:B:LEU:HD22	1:29:B:SER:H	5	0.26
(1,1154)	1:28:B:LEU:HD23	1:29:B:SER:H	5	0.26
(1,1039)	1:9:A:GLU:HB3	1:10:A:THR:H	10	0.26
(1,845)	1:31:A:LYS:HB2	1:32:A:GLU:H	14	0.26
(1,845)	1:31:A:LYS:HB2	1:32:A:GLU:H	16	0.26
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD11	4	0.26
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD12	4	0.26
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD13	4	0.26
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD21	1	0.26
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD22	1	0.26
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD23	1	0.26
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD21	11	0.26
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD22	11	0.26
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD23	11	0.26
(1,712)	1:41:B:LEU:HB2	1:42:B:SER:H	5	0.26
(1,712)	1:41:B:LEU:HB2	1:42:B:SER:H	16	0.26
(1,642)	1:81:B:LEU:H	1:82:B:THR:HB	10	0.26
(1,642)	1:81:B:LEU:H	1:82:B:THR:HB	16	0.26
(1,544)	1:31:B:LYS:H	1:65:B:GLY:H	6	0.26
(1,543)	1:31:A:LYS:H	1:65:A:GLY:H	3	0.26
(1,543)	1:31:A:LYS:H	1:65:A:GLY:H	6	0.26
(1,543)	1:31:A:LYS:H	1:65:A:GLY:H	11	0.26
(1,543)	1:31:A:LYS:H	1:65:A:GLY:H	12	0.26
(1,543)	1:31:A:LYS:H	1:65:A:GLY:H	14	0.26
(1,543)	1:31:A:LYS:H	1:65:A:GLY:H	18	0.26
(1,513)	1:39:A:THR:H	1:40:A:GLU:HA	7	0.26
(1,513)	1:39:A:THR:H	1:40:A:GLU:HA	9	0.26
(1,502)	1:12:B:ILE:HD11	1:13:B:ASN:H	14	0.26
(1,502)	1:12:B:ILE:HD12	1:13:B:ASN:H	14	0.26
(1,502)	1:12:B:ILE:HD13	1:13:B:ASN:H	14	0.26
(1,501)	1:12:A:ILE:HD11	1:13:A:ASN:H	2	0.26
(1,501)	1:12:A:ILE:HD12	1:13:A:ASN:H	2	0.26
(1,501)	1:12:A:ILE:HD13	1:13:A:ASN:H	2	0.26
(1,501)	1:12:A:ILE:HD11	1:13:A:ASN:H	10	0.26
(1,501)	1:12:A:ILE:HD12	1:13:A:ASN:H	10	0.26
(1,501)	1:12:A:ILE:HD13	1:13:A:ASN:H	10	0.26
(1,484)	1:39:B:THR:H	1:41:B:LEU:HB2	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,449)	1:49:A:LYS:HG2	1:50:A:ASP:H	13	0.26
(1,272)	1:40:B:GLU:HG3	1:41:B:LEU:H	5	0.26
(1,272)	1:40:B:GLU:HG3	1:41:B:LEU:H	9	0.26
(1,272)	1:40:B:GLU:HG3	1:41:B:LEU:H	17	0.26
(1,271)	1:40:A:GLU:HG3	1:41:A:LEU:H	2	0.26
(1,271)	1:40:A:GLU:HG3	1:41:A:LEU:H	5	0.26
(1,271)	1:40:A:GLU:HG3	1:41:A:LEU:H	10	0.26
(1,271)	1:40:A:GLU:HG3	1:41:A:LEU:H	13	0.26
(1,271)	1:40:A:GLU:HG3	1:41:A:LEU:H	16	0.26
(1,164)	1:13:B:ASN:HD22	1:14:B:VAL:H	2	0.26
(1,74)	1:9:B:GLU:HB2	1:13:B:ASN:HD21	18	0.26
(1,73)	1:9:A:GLU:HB2	1:13:A:ASN:HD21	8	0.26
(1,2813)	1:30:B:LYS:H	1:30:B:LYS:HD2	9	0.25
(1,2813)	1:30:B:LYS:H	1:30:B:LYS:HD3	9	0.25
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG2	17	0.25
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG3	17	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG11	4	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG12	4	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG13	4	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG21	4	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG22	4	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG23	4	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG11	6	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG12	6	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG13	6	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG21	6	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG22	6	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG23	6	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG11	9	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG12	9	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG13	9	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG21	9	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG22	9	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG23	9	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG11	17	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG12	17	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG13	17	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG21	17	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG22	17	0.25
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG23	17	0.25
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD2	8	0.25
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD3	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD11	5	0.25
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD12	5	0.25
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD13	5	0.25
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD21	5	0.25
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD22	5	0.25
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD23	5	0.25
(1,2500)	1:36:B:LEU:HG	1:74:B:TYR:HE1	5	0.25
(1,2463)	1:41:A:LEU:HG	1:44:A:PHE:HD1	1	0.25
(1,2251)	1:28:A:LEU:HD11	1:32:A:GLU:HB3	10	0.25
(1,2251)	1:28:A:LEU:HD12	1:32:A:GLU:HB3	10	0.25
(1,2251)	1:28:A:LEU:HD13	1:32:A:GLU:HB3	10	0.25
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD11	13	0.25
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD12	13	0.25
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD13	13	0.25
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD11	17	0.25
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD12	17	0.25
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD13	17	0.25
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD11	6	0.25
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD12	6	0.25
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD13	6	0.25
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD11	7	0.25
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD12	7	0.25
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD13	7	0.25
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG21	8	0.25
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG22	8	0.25
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG23	8	0.25
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG21	11	0.25
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG22	11	0.25
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG23	11	0.25
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD21	10	0.25
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD22	10	0.25
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD23	10	0.25
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD21	20	0.25
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD22	20	0.25
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD23	20	0.25
(1,2161)	1:3:A:GLU:HA	1:6:A:THR:HB	2	0.25
(1,2151)	1:49:A:LYS:HA	1:49:A:LYS:HD2	13	0.25
(1,2107)	1:30:A:LYS:HB3	1:61:A:LEU:HD21	19	0.25
(1,2107)	1:30:A:LYS:HB3	1:61:A:LEU:HD22	19	0.25
(1,2107)	1:30:A:LYS:HB3	1:61:A:LEU:HD23	19	0.25
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB1	11	0.25
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB2	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB3	11	0.25
(1,1898)	1:9:B:GLU:HG2	1:10:B:THR:HA	2	0.25
(1,1898)	1:9:B:GLU:HG2	1:10:B:THR:HA	13	0.25
(1,1897)	1:9:A:GLU:HG2	1:10:A:THR:HA	15	0.25
(1,1806)	1:53:B:ALA:HB1	1:81:B:LEU:HA	7	0.25
(1,1806)	1:53:B:ALA:HB2	1:81:B:LEU:HA	7	0.25
(1,1806)	1:53:B:ALA:HB3	1:81:B:LEU:HA	7	0.25
(1,1805)	1:53:A:ALA:HB1	1:81:A:LEU:HA	2	0.25
(1,1805)	1:53:A:ALA:HB2	1:81:A:LEU:HA	2	0.25
(1,1805)	1:53:A:ALA:HB3	1:81:A:LEU:HA	2	0.25
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB1	4	0.25
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB2	4	0.25
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB3	4	0.25
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB1	17	0.25
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB2	17	0.25
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB3	17	0.25
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB2	13	0.25
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB3	13	0.25
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB2	13	0.25
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB3	13	0.25
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB2	13	0.25
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB3	13	0.25
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB2	20	0.25
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB3	20	0.25
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB2	20	0.25
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB3	20	0.25
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB2	20	0.25
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB3	20	0.25
(1,1770)	1:21:B:LYS:HD2	1:32:B:GLU:HG3	7	0.25
(1,1770)	1:21:B:LYS:HD3	1:32:B:GLU:HG3	7	0.25
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB1	9	0.25
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB2	9	0.25
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB3	9	0.25
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB1	10	0.25
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB2	10	0.25
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB3	10	0.25
(1,1698)	1:11:A:LEU:HG	1:4:B:LEU:HG	20	0.25
(1,1662)	1:31:B:LYS:HG2	1:32:B:GLU:HB3	5	0.25
(1,1662)	1:31:B:LYS:HG3	1:32:B:GLU:HB3	5	0.25
(1,1589)	1:24:A:ASP:HA	1:27:A:LYS:HB2	9	0.25
(1,1542)	1:33:B:LEU:HA	1:36:B:LEU:HA	4	0.25
(1,1541)	1:33:A:LEU:HA	1:36:A:LEU:HA	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1541)	1:33:A:LEU:HA	1:36:A:LEU:HA	6	0.25
(1,1541)	1:33:A:LEU:HA	1:36:A:LEU:HA	11	0.25
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG21	6	0.25
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG22	6	0.25
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG23	6	0.25
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG21	6	0.25
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG22	6	0.25
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG23	6	0.25
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG21	6	0.25
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG22	6	0.25
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG23	6	0.25
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG21	9	0.25
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG22	9	0.25
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG23	9	0.25
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG21	9	0.25
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG22	9	0.25
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG23	9	0.25
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG21	9	0.25
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG22	9	0.25
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG23	9	0.25
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG21	13	0.25
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG22	13	0.25
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG23	13	0.25
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG21	13	0.25
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG22	13	0.25
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG23	13	0.25
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG21	13	0.25
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG22	13	0.25
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG23	13	0.25
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB2	11	0.25
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB3	11	0.25
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB2	17	0.25
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB3	17	0.25
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB2	13	0.25
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB3	13	0.25
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD11	3	0.25
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD12	3	0.25
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD13	3	0.25
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD11	13	0.25
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD12	13	0.25
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD13	13	0.25
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD11	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD12	16	0.25
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD13	16	0.25
(1,1040)	1:9:B:GLU:HB3	1:10:B:THR:H	5	0.25
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG21	20	0.25
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG22	20	0.25
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG23	20	0.25
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG21	15	0.25
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG22	15	0.25
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG23	15	0.25
(1,846)	1:31:B:LYS:HB2	1:32:B:GLU:H	2	0.25
(1,846)	1:31:B:LYS:HB2	1:32:B:GLU:H	6	0.25
(1,711)	1:41:A:LEU:HB2	1:42:A:SER:H	6	0.25
(1,684)	1:13:B:ASN:HA	1:17:B:ALA:H	18	0.25
(1,683)	1:13:A:ASN:HA	1:17:A:ALA:H	11	0.25
(1,642)	1:81:B:LEU:H	1:82:B:THR:HB	1	0.25
(1,642)	1:81:B:LEU:H	1:82:B:THR:HB	2	0.25
(1,642)	1:81:B:LEU:H	1:82:B:THR:HB	3	0.25
(1,642)	1:81:B:LEU:H	1:82:B:THR:HB	4	0.25
(1,642)	1:81:B:LEU:H	1:82:B:THR:HB	5	0.25
(1,642)	1:81:B:LEU:H	1:82:B:THR:HB	6	0.25
(1,642)	1:81:B:LEU:H	1:82:B:THR:HB	7	0.25
(1,642)	1:81:B:LEU:H	1:82:B:THR:HB	8	0.25
(1,642)	1:81:B:LEU:H	1:82:B:THR:HB	9	0.25
(1,642)	1:81:B:LEU:H	1:82:B:THR:HB	11	0.25
(1,642)	1:81:B:LEU:H	1:82:B:THR:HB	12	0.25
(1,642)	1:81:B:LEU:H	1:82:B:THR:HB	13	0.25
(1,642)	1:81:B:LEU:H	1:82:B:THR:HB	14	0.25
(1,642)	1:81:B:LEU:H	1:82:B:THR:HB	17	0.25
(1,642)	1:81:B:LEU:H	1:82:B:THR:HB	18	0.25
(1,642)	1:81:B:LEU:H	1:82:B:THR:HB	19	0.25
(1,642)	1:81:B:LEU:H	1:82:B:THR:HB	20	0.25
(1,641)	1:81:A:LEU:H	1:82:A:THR:HB	1	0.25
(1,641)	1:81:A:LEU:H	1:82:A:THR:HB	2	0.25
(1,641)	1:81:A:LEU:H	1:82:A:THR:HB	3	0.25
(1,641)	1:81:A:LEU:H	1:82:A:THR:HB	4	0.25
(1,641)	1:81:A:LEU:H	1:82:A:THR:HB	5	0.25
(1,641)	1:81:A:LEU:H	1:82:A:THR:HB	6	0.25
(1,641)	1:81:A:LEU:H	1:82:A:THR:HB	7	0.25
(1,641)	1:81:A:LEU:H	1:82:A:THR:HB	8	0.25
(1,641)	1:81:A:LEU:H	1:82:A:THR:HB	9	0.25
(1,641)	1:81:A:LEU:H	1:82:A:THR:HB	10	0.25
(1,641)	1:81:A:LEU:H	1:82:A:THR:HB	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,641)	1:81:A:LEU:H	1:82:A:THR:HB	12	0.25
(1,641)	1:81:A:LEU:H	1:82:A:THR:HB	13	0.25
(1,641)	1:81:A:LEU:H	1:82:A:THR:HB	14	0.25
(1,641)	1:81:A:LEU:H	1:82:A:THR:HB	16	0.25
(1,641)	1:81:A:LEU:H	1:82:A:THR:HB	17	0.25
(1,641)	1:81:A:LEU:H	1:82:A:THR:HB	19	0.25
(1,641)	1:81:A:LEU:H	1:82:A:THR:HB	20	0.25
(1,513)	1:39:A:THR:H	1:40:A:GLU:HA	19	0.25
(1,501)	1:12:A:ILE:HD11	1:13:A:ASN:H	4	0.25
(1,501)	1:12:A:ILE:HD12	1:13:A:ASN:H	4	0.25
(1,501)	1:12:A:ILE:HD13	1:13:A:ASN:H	4	0.25
(1,501)	1:12:A:ILE:HD11	1:13:A:ASN:H	15	0.25
(1,501)	1:12:A:ILE:HD12	1:13:A:ASN:H	15	0.25
(1,501)	1:12:A:ILE:HD13	1:13:A:ASN:H	15	0.25
(1,501)	1:12:A:ILE:HD11	1:13:A:ASN:H	16	0.25
(1,501)	1:12:A:ILE:HD12	1:13:A:ASN:H	16	0.25
(1,501)	1:12:A:ILE:HD13	1:13:A:ASN:H	16	0.25
(1,483)	1:39:A:THR:H	1:41:A:LEU:HB2	19	0.25
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG11	18	0.25
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG12	18	0.25
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG13	18	0.25
(1,272)	1:40:B:GLU:HG3	1:41:B:LEU:H	2	0.25
(1,272)	1:40:B:GLU:HG3	1:41:B:LEU:H	4	0.25
(1,271)	1:40:A:GLU:HG3	1:41:A:LEU:H	7	0.25
(1,271)	1:40:A:GLU:HG3	1:41:A:LEU:H	9	0.25
(1,266)	1:41:B:LEU:HB3	1:44:B:PHE:H	1	0.25
(1,73)	1:9:A:GLU:HB2	1:13:A:ASN:HD21	18	0.25
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG2	6	0.24
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG3	6	0.24
(1,2800)	1:28:B:LEU:HD11	1:32:B:GLU:H	9	0.24
(1,2800)	1:28:B:LEU:HD12	1:32:B:GLU:H	9	0.24
(1,2800)	1:28:B:LEU:HD13	1:32:B:GLU:H	9	0.24
(1,2800)	1:28:B:LEU:HD21	1:32:B:GLU:H	9	0.24
(1,2800)	1:28:B:LEU:HD22	1:32:B:GLU:H	9	0.24
(1,2800)	1:28:B:LEU:HD23	1:32:B:GLU:H	9	0.24
(1,2740)	1:13:B:ASN:HD21	1:14:B:VAL:HG11	5	0.24
(1,2740)	1:13:B:ASN:HD21	1:14:B:VAL:HG12	5	0.24
(1,2740)	1:13:B:ASN:HD21	1:14:B:VAL:HG13	5	0.24
(1,2740)	1:13:B:ASN:HD21	1:14:B:VAL:HG21	5	0.24
(1,2740)	1:13:B:ASN:HD21	1:14:B:VAL:HG22	5	0.24
(1,2740)	1:13:B:ASN:HD21	1:14:B:VAL:HG23	5	0.24
(1,2671)	1:41:A:LEU:HD21	1:5:B:GLU:HG2	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2671)	1:41:A:LEU:HD21	1:5:B:GLU:HG3	20	0.24
(1,2671)	1:41:A:LEU:HD22	1:5:B:GLU:HG2	20	0.24
(1,2671)	1:41:A:LEU:HD22	1:5:B:GLU:HG3	20	0.24
(1,2671)	1:41:A:LEU:HD23	1:5:B:GLU:HG2	20	0.24
(1,2671)	1:41:A:LEU:HD23	1:5:B:GLU:HG3	20	0.24
(1,2669)	1:40:A:GLU:HG2	1:41:A:LEU:H	4	0.24
(1,2669)	1:40:A:GLU:HG3	1:41:A:LEU:H	4	0.24
(1,2669)	1:40:A:GLU:HG2	1:41:A:LEU:H	19	0.24
(1,2669)	1:40:A:GLU:HG3	1:41:A:LEU:H	19	0.24
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD2	19	0.24
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD3	19	0.24
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG11	12	0.24
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG12	12	0.24
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG13	12	0.24
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG21	12	0.24
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG22	12	0.24
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG23	12	0.24
(1,2381)	1:4:A:LEU:HD21	1:7:A:ALA:HB1	19	0.24
(1,2381)	1:4:A:LEU:HD21	1:7:A:ALA:HB2	19	0.24
(1,2381)	1:4:A:LEU:HD21	1:7:A:ALA:HB3	19	0.24
(1,2381)	1:4:A:LEU:HD22	1:7:A:ALA:HB1	19	0.24
(1,2381)	1:4:A:LEU:HD22	1:7:A:ALA:HB2	19	0.24
(1,2381)	1:4:A:LEU:HD22	1:7:A:ALA:HB3	19	0.24
(1,2381)	1:4:A:LEU:HD23	1:7:A:ALA:HB1	19	0.24
(1,2381)	1:4:A:LEU:HD23	1:7:A:ALA:HB2	19	0.24
(1,2381)	1:4:A:LEU:HD23	1:7:A:ALA:HB3	19	0.24
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD11	16	0.24
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD12	16	0.24
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD13	16	0.24
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD11	20	0.24
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD12	20	0.24
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD13	20	0.24
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG21	3	0.24
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG22	3	0.24
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG23	3	0.24
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG21	16	0.24
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG22	16	0.24
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG23	16	0.24
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD21	4	0.24
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD22	4	0.24
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD23	4	0.24
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD21	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD22	15	0.24
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD23	15	0.24
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD21	19	0.24
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD22	19	0.24
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD23	19	0.24
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD21	6	0.24
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD22	6	0.24
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD23	6	0.24
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD21	17	0.24
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD22	17	0.24
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD23	17	0.24
(1,2106)	1:4:A:LEU:HD11	1:14:B:VAL:HB	7	0.24
(1,2106)	1:4:A:LEU:HD12	1:14:B:VAL:HB	7	0.24
(1,2106)	1:4:A:LEU:HD13	1:14:B:VAL:HB	7	0.24
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB1	4	0.24
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB2	4	0.24
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB3	4	0.24
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB1	18	0.24
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB2	18	0.24
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB3	18	0.24
(1,1806)	1:53:B:ALA:HB1	1:81:B:LEU:HA	10	0.24
(1,1806)	1:53:B:ALA:HB2	1:81:B:LEU:HA	10	0.24
(1,1806)	1:53:B:ALA:HB3	1:81:B:LEU:HA	10	0.24
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB1	11	0.24
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB2	11	0.24
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB3	11	0.24
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB1	12	0.24
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB2	12	0.24
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB3	12	0.24
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB1	19	0.24
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB2	19	0.24
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB3	19	0.24
(1,1781)	1:21:A:LYS:HG3	1:32:A:GLU:HB3	15	0.24
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB2	5	0.24
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB3	5	0.24
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB2	5	0.24
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB3	5	0.24
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB2	5	0.24
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB3	5	0.24
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB1	12	0.24
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB2	12	0.24
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB3	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB1	12	0.24
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB2	12	0.24
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB3	12	0.24
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB1	10	0.24
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB2	10	0.24
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB3	10	0.24
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB1	4	0.24
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB2	4	0.24
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB3	4	0.24
(1,1697)	1:4:A:LEU:HG	1:11:B:LEU:HG	3	0.24
(1,1697)	1:4:A:LEU:HG	1:11:B:LEU:HG	10	0.24
(1,1564)	1:41:B:LEU:HD11	1:78:B:VAL:HA	7	0.24
(1,1564)	1:41:B:LEU:HD12	1:78:B:VAL:HA	7	0.24
(1,1564)	1:41:B:LEU:HD13	1:78:B:VAL:HA	7	0.24
(1,1542)	1:33:B:LEU:HA	1:36:B:LEU:HA	3	0.24
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG21	17	0.24
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG22	17	0.24
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG23	17	0.24
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG21	17	0.24
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG22	17	0.24
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG23	17	0.24
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG21	17	0.24
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG22	17	0.24
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG23	17	0.24
(1,1436)	1:31:B:LYS:HG2	1:66:B:ASP:HA	10	0.24
(1,1436)	1:31:B:LYS:HG3	1:66:B:ASP:HA	10	0.24
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB2	5	0.24
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB3	5	0.24
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB2	18	0.24
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB3	18	0.24
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD11	14	0.24
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD12	14	0.24
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD13	14	0.24
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD11	7	0.24
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD12	7	0.24
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD13	7	0.24
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG21	1	0.24
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG22	1	0.24
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG23	1	0.24
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG21	3	0.24
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG22	3	0.24
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG23	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG21	8	0.24
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG22	8	0.24
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG23	8	0.24
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG21	12	0.24
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG22	12	0.24
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG23	12	0.24
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG21	14	0.24
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG22	14	0.24
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG23	14	0.24
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG21	15	0.24
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG22	15	0.24
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG23	15	0.24
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG21	1	0.24
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG22	1	0.24
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG23	1	0.24
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG21	3	0.24
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG22	3	0.24
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG23	3	0.24
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG21	18	0.24
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG22	18	0.24
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG23	18	0.24
(1,845)	1:31:A:LYS:HB2	1:32:A:GLU:H	6	0.24
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD11	20	0.24
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD12	20	0.24
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD13	20	0.24
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD11	10	0.24
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD12	10	0.24
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD13	10	0.24
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD21	8	0.24
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD22	8	0.24
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD23	8	0.24
(1,712)	1:41:B:LEU:HB2	1:42:B:SER:H	1	0.24
(1,711)	1:41:A:LEU:HB2	1:42:A:SER:H	14	0.24
(1,641)	1:81:A:LEU:H	1:82:A:THR:HB	18	0.24
(1,620)	1:65:B:GLY:H	1:67:B:GLY:H	5	0.24
(1,514)	1:39:B:THR:H	1:40:B:GLU:HA	2	0.24
(1,514)	1:39:B:THR:H	1:40:B:GLU:HA	13	0.24
(1,514)	1:39:B:THR:H	1:40:B:GLU:HA	17	0.24
(1,502)	1:12:B:ILE:HD11	1:13:B:ASN:H	20	0.24
(1,502)	1:12:B:ILE:HD12	1:13:B:ASN:H	20	0.24
(1,502)	1:12:B:ILE:HD13	1:13:B:ASN:H	20	0.24
(1,501)	1:12:A:ILE:HD11	1:13:A:ASN:H	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,501)	1:12:A:ILE:HD12	1:13:A:ASN:H	5	0.24
(1,501)	1:12:A:ILE:HD13	1:13:A:ASN:H	5	0.24
(1,266)	1:41:B:LEU:HB3	1:44:B:PHE:H	18	0.24
(1,265)	1:41:A:LEU:HB3	1:44:A:PHE:H	10	0.24
(1,265)	1:41:A:LEU:HB3	1:44:A:PHE:H	13	0.24
(1,128)	1:7:B:ALA:H	1:9:B:GLU:HB3	5	0.24
(1,128)	1:7:B:ALA:H	1:9:B:GLU:HB3	6	0.24
(1,2864)	1:40:B:GLU:HG2	1:41:B:LEU:H	1	0.23
(1,2864)	1:40:B:GLU:HG3	1:41:B:LEU:H	1	0.23
(1,2813)	1:30:B:LYS:H	1:30:B:LYS:HD2	5	0.23
(1,2813)	1:30:B:LYS:H	1:30:B:LYS:HD3	5	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG11	2	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG12	2	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG13	2	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG21	2	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG22	2	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG23	2	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG11	11	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG12	11	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG13	11	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG21	11	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG22	11	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG23	11	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG11	13	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG12	13	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG13	13	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG21	13	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG22	13	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG23	13	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG11	18	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG12	18	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG13	18	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG21	18	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG22	18	0.23
(1,2735)	1:12:B:ILE:H	1:14:B:VAL:HG23	18	0.23
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD2	15	0.23
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD3	15	0.23
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG11	7	0.23
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG12	7	0.23
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG13	7	0.23
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG21	7	0.23
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG22	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG23	7	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG11	2	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG12	2	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG13	2	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG21	2	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG22	2	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG23	2	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG11	9	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG12	9	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG13	9	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG21	9	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG22	9	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG23	9	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG11	14	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG12	14	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG13	14	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG21	14	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG22	14	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG23	14	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG11	18	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG12	18	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG13	18	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG21	18	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG22	18	0.23
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG23	18	0.23
(1,2500)	1:36:B:LEU:HG	1:74:B:TYR:HE1	20	0.23
(1,2464)	1:41:B:LEU:HG	1:44:B:PHE:HD1	4	0.23
(1,2463)	1:41:A:LEU:HG	1:44:A:PHE:HD1	8	0.23
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE1	4	0.23
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE2	4	0.23
(1,2420)	1:38:B:GLN:HG2	1:58:B:MET:HE3	4	0.23
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE2	2	0.23
(1,2338)	1:53:B:ALA:HA	1:56:B:LYS:HE3	2	0.23
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG21	2	0.23
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG22	2	0.23
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG23	2	0.23
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG21	11	0.23
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG22	11	0.23
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG23	11	0.23
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD21	1	0.23
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD22	1	0.23
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD23	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD21	10	0.23
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD22	10	0.23
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD23	10	0.23
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD21	14	0.23
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD22	14	0.23
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD23	14	0.23
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD21	2	0.23
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD22	2	0.23
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD23	2	0.23
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD21	9	0.23
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD22	9	0.23
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD23	9	0.23
(1,2161)	1:3:A:GLU:HA	1:6:A:THR:HB	1	0.23
(1,2107)	1:30:A:LYS:HB3	1:61:A:LEU:HD21	17	0.23
(1,2107)	1:30:A:LYS:HB3	1:61:A:LEU:HD22	17	0.23
(1,2107)	1:30:A:LYS:HB3	1:61:A:LEU:HD23	17	0.23
(1,2106)	1:4:A:LEU:HD11	1:14:B:VAL:HB	1	0.23
(1,2106)	1:4:A:LEU:HD12	1:14:B:VAL:HB	1	0.23
(1,2106)	1:4:A:LEU:HD13	1:14:B:VAL:HB	1	0.23
(1,1898)	1:9:B:GLU:HG2	1:10:B:THR:HA	1	0.23
(1,1898)	1:9:B:GLU:HG2	1:10:B:THR:HA	3	0.23
(1,1898)	1:9:B:GLU:HG2	1:10:B:THR:HA	15	0.23
(1,1898)	1:9:B:GLU:HG2	1:10:B:THR:HA	19	0.23
(1,1806)	1:53:B:ALA:HB1	1:81:B:LEU:HA	14	0.23
(1,1806)	1:53:B:ALA:HB2	1:81:B:LEU:HA	14	0.23
(1,1806)	1:53:B:ALA:HB3	1:81:B:LEU:HA	14	0.23
(1,1805)	1:53:A:ALA:HB1	1:81:A:LEU:HA	9	0.23
(1,1805)	1:53:A:ALA:HB2	1:81:A:LEU:HA	9	0.23
(1,1805)	1:53:A:ALA:HB3	1:81:A:LEU:HA	9	0.23
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB1	10	0.23
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB2	10	0.23
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB3	10	0.23
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB1	8	0.23
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB2	8	0.23
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB3	8	0.23
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB1	13	0.23
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB2	13	0.23
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB3	13	0.23
(1,1783)	1:80:A:ALA:HA	1:83:A:VAL:HB	8	0.23
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB1	4	0.23
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB2	4	0.23
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB3	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1662)	1:31:B:LYS:HG2	1:32:B:GLU:HB3	20	0.23
(1,1662)	1:31:B:LYS:HG3	1:32:B:GLU:HB3	20	0.23
(1,1576)	1:29:B:SER:HB3	1:30:B:LYS:HA	18	0.23
(1,1576)	1:29:B:SER:HB3	1:30:B:LYS:HA	20	0.23
(1,1542)	1:33:B:LEU:HA	1:36:B:LEU:HA	2	0.23
(1,1542)	1:33:B:LEU:HA	1:36:B:LEU:HA	8	0.23
(1,1435)	1:31:A:LYS:HG2	1:66:A:ASP:HA	10	0.23
(1,1435)	1:31:A:LYS:HG3	1:66:A:ASP:HA	10	0.23
(1,1416)	1:67:B:GLY:HA3	1:68:B:GLU:HB2	13	0.23
(1,1416)	1:67:B:GLY:HA3	1:68:B:GLU:HB3	13	0.23
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB2	10	0.23
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB3	10	0.23
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD11	11	0.23
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD12	11	0.23
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD13	11	0.23
(1,1039)	1:9:A:GLU:HB3	1:10:A:THR:H	6	0.23
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG21	4	0.23
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG22	4	0.23
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG23	4	0.23
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG21	6	0.23
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG22	6	0.23
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG23	6	0.23
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG21	11	0.23
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG22	11	0.23
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG23	11	0.23
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG21	18	0.23
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG22	18	0.23
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG23	18	0.23
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG21	19	0.23
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG22	19	0.23
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG23	19	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG21	6	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG22	6	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG23	6	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG21	8	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG22	8	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG23	8	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG21	11	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG22	11	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG23	11	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG21	12	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG22	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG23	12	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG21	14	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG22	14	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG23	14	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG21	17	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG22	17	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG23	17	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG21	19	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG22	19	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG23	19	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG21	20	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG22	20	0.23
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG23	20	0.23
(1,846)	1:31:B:LYS:HB2	1:32:B:GLU:H	17	0.23
(1,845)	1:31:A:LYS:HB2	1:32:A:GLU:H	2	0.23
(1,845)	1:31:A:LYS:HB2	1:32:A:GLU:H	19	0.23
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD11	17	0.23
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD12	17	0.23
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD13	17	0.23
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD11	18	0.23
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD12	18	0.23
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD13	18	0.23
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD21	14	0.23
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD22	14	0.23
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD23	14	0.23
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD21	14	0.23
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD22	14	0.23
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD23	14	0.23
(1,712)	1:41:B:LEU:HB2	1:42:B:SER:H	2	0.23
(1,712)	1:41:B:LEU:HB2	1:42:B:SER:H	8	0.23
(1,712)	1:41:B:LEU:HB2	1:42:B:SER:H	11	0.23
(1,712)	1:41:B:LEU:HB2	1:42:B:SER:H	12	0.23
(1,711)	1:41:A:LEU:HB2	1:42:A:SER:H	1	0.23
(1,652)	1:30:B:LYS:HB2	1:65:B:GLY:H	18	0.23
(1,543)	1:31:A:LYS:H	1:65:A:GLY:H	19	0.23
(1,514)	1:39:B:THR:H	1:40:B:GLU:HA	16	0.23
(1,513)	1:39:A:THR:H	1:40:A:GLU:HA	20	0.23
(1,501)	1:12:A:ILE:HD11	1:13:A:ASN:H	7	0.23
(1,501)	1:12:A:ILE:HD12	1:13:A:ASN:H	7	0.23
(1,501)	1:12:A:ILE:HD13	1:13:A:ASN:H	7	0.23
(1,459)	1:76:A:VAL:HG11	1:72:B:GLN:HE22	6	0.23
(1,459)	1:76:A:VAL:HG12	1:72:B:GLN:HE22	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,459)	1:76:A:VAL:HG13	1:72:B:GLN:HE22	6	0.23
(1,271)	1:40:A:GLU:HG3	1:41:A:LEU:H	17	0.23
(1,73)	1:9:A:GLU:HB2	1:13:A:ASN:HD21	19	0.23
(1,2813)	1:30:B:LYS:H	1:30:B:LYS:HD2	15	0.22
(1,2813)	1:30:B:LYS:H	1:30:B:LYS:HD3	15	0.22
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG2	19	0.22
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG3	19	0.22
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG2	14	0.22
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG3	14	0.22
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG2	1	0.22
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG3	1	0.22
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG11	17	0.22
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG12	17	0.22
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG13	17	0.22
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG21	17	0.22
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG22	17	0.22
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG23	17	0.22
(1,2464)	1:41:B:LEU:HG	1:44:B:PHE:HD1	11	0.22
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD11	16	0.22
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD12	16	0.22
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD13	16	0.22
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD11	10	0.22
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD12	10	0.22
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD13	10	0.22
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD11	3	0.22
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD12	3	0.22
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD13	3	0.22
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG21	18	0.22
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG22	18	0.22
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG23	18	0.22
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD21	9	0.22
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD22	9	0.22
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD23	9	0.22
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD21	3	0.22
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD22	3	0.22
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD23	3	0.22
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD21	13	0.22
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD22	13	0.22
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD23	13	0.22
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD21	18	0.22
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD22	18	0.22
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD23	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE1	5	0.22
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE2	5	0.22
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE3	5	0.22
(1,2007)	1:30:A:LYS:HA	1:61:A:LEU:HD11	17	0.22
(1,2007)	1:30:A:LYS:HA	1:61:A:LEU:HD12	17	0.22
(1,2007)	1:30:A:LYS:HA	1:61:A:LEU:HD13	17	0.22
(1,1962)	1:31:B:LYS:HE2	1:32:B:GLU:HG3	6	0.22
(1,1962)	1:31:B:LYS:HE3	1:32:B:GLU:HG3	6	0.22
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB1	14	0.22
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB2	14	0.22
(1,1959)	1:13:A:ASN:HA	1:17:A:ALA:HB3	14	0.22
(1,1898)	1:9:B:GLU:HG2	1:10:B:THR:HA	4	0.22
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB1	11	0.22
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB2	11	0.22
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB3	11	0.22
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB2	4	0.22
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB3	4	0.22
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB2	4	0.22
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB3	4	0.22
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB2	4	0.22
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB3	4	0.22
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB2	11	0.22
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB3	11	0.22
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB2	11	0.22
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB3	11	0.22
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB2	11	0.22
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB3	11	0.22
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB1	19	0.22
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB2	19	0.22
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB3	19	0.22
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB1	19	0.22
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB2	19	0.22
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB3	19	0.22
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB1	5	0.22
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB2	5	0.22
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB3	5	0.22
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB1	9	0.22
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB2	9	0.22
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB3	9	0.22
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB1	13	0.22
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB2	13	0.22
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB3	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB1	7	0.22
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB2	7	0.22
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB3	7	0.22
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB1	13	0.22
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB2	13	0.22
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB3	13	0.22
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB1	16	0.22
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB2	16	0.22
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB3	16	0.22
(1,1698)	1:11:A:LEU:HG	1:4:B:LEU:HG	7	0.22
(1,1662)	1:31:B:LYS:HG2	1:32:B:GLU:HB3	6	0.22
(1,1662)	1:31:B:LYS:HG3	1:32:B:GLU:HB3	6	0.22
(1,1590)	1:24:B:ASP:HA	1:27:B:LYS:HB2	5	0.22
(1,1590)	1:24:B:ASP:HA	1:27:B:LYS:HB2	8	0.22
(1,1590)	1:24:B:ASP:HA	1:27:B:LYS:HB2	15	0.22
(1,1590)	1:24:B:ASP:HA	1:27:B:LYS:HB2	18	0.22
(1,1589)	1:24:A:ASP:HA	1:27:A:LYS:HB2	2	0.22
(1,1589)	1:24:A:ASP:HA	1:27:A:LYS:HB2	11	0.22
(1,1558)	1:34:B:LYS:HG3	1:62:B:ASP:HA	3	0.22
(1,1542)	1:33:B:LEU:HA	1:36:B:LEU:HA	16	0.22
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG21	4	0.22
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG22	4	0.22
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG23	4	0.22
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG21	4	0.22
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG22	4	0.22
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG23	4	0.22
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG21	4	0.22
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG22	4	0.22
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG23	4	0.22
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG21	12	0.22
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG22	12	0.22
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG23	12	0.22
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG21	12	0.22
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG22	12	0.22
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG23	12	0.22
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG21	12	0.22
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG22	12	0.22
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG23	12	0.22
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB2	3	0.22
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB3	3	0.22
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB2	17	0.22
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB3	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD11	5	0.22
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD12	5	0.22
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD13	5	0.22
(1,1152)	1:28:B:LEU:HD11	1:29:B:SER:H	15	0.22
(1,1152)	1:28:B:LEU:HD12	1:29:B:SER:H	15	0.22
(1,1152)	1:28:B:LEU:HD13	1:29:B:SER:H	15	0.22
(1,1039)	1:9:A:GLU:HB3	1:10:A:THR:H	13	0.22
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG21	2	0.22
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG22	2	0.22
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG23	2	0.22
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG21	7	0.22
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG22	7	0.22
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG23	7	0.22
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG21	10	0.22
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG22	10	0.22
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG23	10	0.22
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG21	13	0.22
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG22	13	0.22
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG23	13	0.22
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG21	16	0.22
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG22	16	0.22
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG23	16	0.22
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG21	17	0.22
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG22	17	0.22
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG23	17	0.22
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG21	2	0.22
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG22	2	0.22
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG23	2	0.22
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG21	7	0.22
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG22	7	0.22
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG23	7	0.22
(1,845)	1:31:A:LYS:HB2	1:32:A:GLU:H	17	0.22
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD11	13	0.22
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD12	13	0.22
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD13	13	0.22
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD11	16	0.22
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD12	16	0.22
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD13	16	0.22
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD11	4	0.22
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD12	4	0.22
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD13	4	0.22
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD21	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD22	12	0.22
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD23	12	0.22
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD21	15	0.22
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD22	15	0.22
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD23	15	0.22
(1,712)	1:41:B:LEU:HB2	1:42:B:SER:H	3	0.22
(1,712)	1:41:B:LEU:HB2	1:42:B:SER:H	18	0.22
(1,711)	1:41:A:LEU:HB2	1:42:A:SER:H	3	0.22
(1,711)	1:41:A:LEU:HB2	1:42:A:SER:H	8	0.22
(1,711)	1:41:A:LEU:HB2	1:42:A:SER:H	11	0.22
(1,711)	1:41:A:LEU:HB2	1:42:A:SER:H	12	0.22
(1,711)	1:41:A:LEU:HB2	1:42:A:SER:H	18	0.22
(1,711)	1:41:A:LEU:HB2	1:42:A:SER:H	19	0.22
(1,684)	1:13:B:ASN:HA	1:17:B:ALA:H	3	0.22
(1,684)	1:13:B:ASN:HA	1:17:B:ALA:H	7	0.22
(1,684)	1:13:B:ASN:HA	1:17:B:ALA:H	12	0.22
(1,672)	1:54:B:VAL:HG21	1:57:B:VAL:H	3	0.22
(1,672)	1:54:B:VAL:HG22	1:57:B:VAL:H	3	0.22
(1,672)	1:54:B:VAL:HG23	1:57:B:VAL:H	3	0.22
(1,641)	1:81:A:LEU:H	1:82:A:THR:HB	15	0.22
(1,543)	1:31:A:LYS:H	1:65:A:GLY:H	20	0.22
(1,514)	1:39:B:THR:H	1:40:B:GLU:HA	4	0.22
(1,501)	1:12:A:ILE:HD11	1:13:A:ASN:H	20	0.22
(1,501)	1:12:A:ILE:HD12	1:13:A:ASN:H	20	0.22
(1,501)	1:12:A:ILE:HD13	1:13:A:ASN:H	20	0.22
(1,484)	1:39:B:THR:H	1:41:B:LEU:HB2	10	0.22
(1,459)	1:76:A:VAL:HG11	1:72:B:GLN:HE22	14	0.22
(1,459)	1:76:A:VAL:HG12	1:72:B:GLN:HE22	14	0.22
(1,459)	1:76:A:VAL:HG13	1:72:B:GLN:HE22	14	0.22
(1,265)	1:41:A:LEU:HB3	1:44:A:PHE:H	18	0.22
(1,163)	1:13:A:ASN:HD22	1:14:A:VAL:H	9	0.22
(1,127)	1:7:A:ALA:H	1:9:A:GLU:HB3	13	0.22
(1,2813)	1:30:B:LYS:H	1:30:B:LYS:HD2	19	0.21
(1,2813)	1:30:B:LYS:H	1:30:B:LYS:HD3	19	0.21
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD11	18	0.21
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD12	18	0.21
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD13	18	0.21
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD21	18	0.21
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD22	18	0.21
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD23	18	0.21
(1,2669)	1:40:A:GLU:HG2	1:41:A:LEU:H	1	0.21
(1,2669)	1:40:A:GLU:HG3	1:41:A:LEU:H	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD11	4	0.21
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD12	4	0.21
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD13	4	0.21
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD21	4	0.21
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD22	4	0.21
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD23	4	0.21
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD11	5	0.21
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD12	5	0.21
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD13	5	0.21
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG2	5	0.21
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG3	5	0.21
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG21	8	0.21
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG22	8	0.21
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG23	8	0.21
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG21	15	0.21
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG22	15	0.21
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG23	15	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD21	3	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD22	3	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD23	3	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD21	5	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD22	5	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD23	5	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD21	11	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD22	11	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD23	11	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD21	13	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD22	13	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD23	13	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD21	16	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD22	16	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD23	16	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD21	17	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD22	17	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD23	17	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD21	20	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD22	20	0.21
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD23	20	0.21
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD21	1	0.21
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD22	1	0.21
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD23	1	0.21
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD21	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD22	4	0.21
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD23	4	0.21
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD21	5	0.21
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD22	5	0.21
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD23	5	0.21
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD21	7	0.21
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD22	7	0.21
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD23	7	0.21
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD21	8	0.21
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD22	8	0.21
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD23	8	0.21
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD21	12	0.21
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD22	12	0.21
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD23	12	0.21
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD21	14	0.21
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD22	14	0.21
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD23	14	0.21
(1,2164)	1:8:A:MET:HE1	1:78:B:VAL:HB	16	0.21
(1,2164)	1:8:A:MET:HE2	1:78:B:VAL:HB	16	0.21
(1,2164)	1:8:A:MET:HE3	1:78:B:VAL:HB	16	0.21
(1,2164)	1:8:A:MET:HE1	1:78:B:VAL:HB	17	0.21
(1,2164)	1:8:A:MET:HE2	1:78:B:VAL:HB	17	0.21
(1,2164)	1:8:A:MET:HE3	1:78:B:VAL:HB	17	0.21
(1,2162)	1:3:B:GLU:HA	1:6:B:THR:HB	9	0.21
(1,1897)	1:9:A:GLU:HG2	1:10:A:THR:HA	20	0.21
(1,1806)	1:53:B:ALA:HB1	1:81:B:LEU:HA	4	0.21
(1,1806)	1:53:B:ALA:HB2	1:81:B:LEU:HA	4	0.21
(1,1806)	1:53:B:ALA:HB3	1:81:B:LEU:HA	4	0.21
(1,1806)	1:53:B:ALA:HB1	1:81:B:LEU:HA	12	0.21
(1,1806)	1:53:B:ALA:HB2	1:81:B:LEU:HA	12	0.21
(1,1806)	1:53:B:ALA:HB3	1:81:B:LEU:HA	12	0.21
(1,1806)	1:53:B:ALA:HB1	1:81:B:LEU:HA	13	0.21
(1,1806)	1:53:B:ALA:HB2	1:81:B:LEU:HA	13	0.21
(1,1806)	1:53:B:ALA:HB3	1:81:B:LEU:HA	13	0.21
(1,1805)	1:53:A:ALA:HB1	1:81:A:LEU:HA	3	0.21
(1,1805)	1:53:A:ALA:HB2	1:81:A:LEU:HA	3	0.21
(1,1805)	1:53:A:ALA:HB3	1:81:A:LEU:HA	3	0.21
(1,1805)	1:53:A:ALA:HB1	1:81:A:LEU:HA	7	0.21
(1,1805)	1:53:A:ALA:HB2	1:81:A:LEU:HA	7	0.21
(1,1805)	1:53:A:ALA:HB3	1:81:A:LEU:HA	7	0.21
(1,1805)	1:53:A:ALA:HB1	1:81:A:LEU:HA	10	0.21
(1,1805)	1:53:A:ALA:HB2	1:81:A:LEU:HA	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1805)	1:53:A:ALA:HB3	1:81:A:LEU:HA	10	0.21
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB1	8	0.21
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB2	8	0.21
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB3	8	0.21
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB1	15	0.21
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB2	15	0.21
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB3	15	0.21
(1,1783)	1:80:A:ALA:HA	1:83:A:VAL:HB	11	0.21
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB2	3	0.21
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB3	3	0.21
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB2	3	0.21
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB3	3	0.21
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB2	3	0.21
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB3	3	0.21
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB2	17	0.21
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB3	17	0.21
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB2	17	0.21
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB3	17	0.21
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB2	17	0.21
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB3	17	0.21
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB1	2	0.21
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB2	2	0.21
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB3	2	0.21
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB1	2	0.21
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB2	2	0.21
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB3	2	0.21
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB1	5	0.21
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB2	5	0.21
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB3	5	0.21
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB1	14	0.21
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB2	14	0.21
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB3	14	0.21
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB1	15	0.21
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB2	15	0.21
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB3	15	0.21
(1,1590)	1:24:B:ASP:HA	1:27:B:LYS:HB2	6	0.21
(1,1589)	1:24:A:ASP:HA	1:27:A:LYS:HB2	5	0.21
(1,1589)	1:24:A:ASP:HA	1:27:A:LYS:HB2	6	0.21
(1,1542)	1:33:B:LEU:HA	1:36:B:LEU:HA	5	0.21
(1,1542)	1:33:B:LEU:HA	1:36:B:LEU:HA	11	0.21
(1,1541)	1:33:A:LEU:HA	1:36:A:LEU:HA	3	0.21
(1,1541)	1:33:A:LEU:HA	1:36:A:LEU:HA	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG21	18	0.21
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG22	18	0.21
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG23	18	0.21
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG21	18	0.21
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG22	18	0.21
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG23	18	0.21
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG21	18	0.21
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG22	18	0.21
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG23	18	0.21
(1,1436)	1:31:B:LYS:HG2	1:66:B:ASP:HA	6	0.21
(1,1436)	1:31:B:LYS:HG3	1:66:B:ASP:HA	6	0.21
(1,1436)	1:31:B:LYS:HG2	1:66:B:ASP:HA	18	0.21
(1,1436)	1:31:B:LYS:HG3	1:66:B:ASP:HA	18	0.21
(1,1416)	1:67:B:GLY:HA3	1:68:B:GLU:HB2	1	0.21
(1,1416)	1:67:B:GLY:HA3	1:68:B:GLU:HB3	1	0.21
(1,1416)	1:67:B:GLY:HA3	1:68:B:GLU:HB2	4	0.21
(1,1416)	1:67:B:GLY:HA3	1:68:B:GLU:HB3	4	0.21
(1,1369)	1:91:A:GLU:H	1:91:A:GLU:HB3	11	0.21
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD11	2	0.21
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD12	2	0.21
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD13	2	0.21
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD11	16	0.21
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD12	16	0.21
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD13	16	0.21
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG21	4	0.21
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG22	4	0.21
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG23	4	0.21
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG21	5	0.21
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG22	5	0.21
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG23	5	0.21
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG21	9	0.21
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG22	9	0.21
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG23	9	0.21
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG21	10	0.21
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG22	10	0.21
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG23	10	0.21
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG21	13	0.21
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG22	13	0.21
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG23	13	0.21
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG21	16	0.21
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG22	16	0.21
(1,1031)	1:10:A:THR:H	1:10:A:THR:HG23	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:31:B:LYS:HB2	1:32:B:GLU:H	11	0.21
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD11	1	0.21
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD12	1	0.21
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD13	1	0.21
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD11	6	0.21
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD12	6	0.21
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD13	6	0.21
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD21	3	0.21
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD22	3	0.21
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD23	3	0.21
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD21	15	0.21
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD22	15	0.21
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD23	15	0.21
(1,811)	1:80:A:ALA:H	1:81:A:LEU:HB2	15	0.21
(1,750)	1:60:B:GLU:HG3	1:64:B:ASN:HD22	20	0.21
(1,712)	1:41:B:LEU:HB2	1:42:B:SER:H	20	0.21
(1,684)	1:13:B:ASN:HA	1:17:B:ALA:H	14	0.21
(1,672)	1:54:B:VAL:HG21	1:57:B:VAL:H	2	0.21
(1,672)	1:54:B:VAL:HG22	1:57:B:VAL:H	2	0.21
(1,672)	1:54:B:VAL:HG23	1:57:B:VAL:H	2	0.21
(1,671)	1:54:A:VAL:HG21	1:57:A:VAL:H	7	0.21
(1,671)	1:54:A:VAL:HG22	1:57:A:VAL:H	7	0.21
(1,671)	1:54:A:VAL:HG23	1:57:A:VAL:H	7	0.21
(1,642)	1:81:B:LEU:H	1:82:B:THR:HB	15	0.21
(1,619)	1:65:A:GLY:H	1:67:A:GLY:H	12	0.21
(1,543)	1:31:A:LYS:H	1:65:A:GLY:H	1	0.21
(1,514)	1:39:B:THR:H	1:40:B:GLU:HA	10	0.21
(1,513)	1:39:A:THR:H	1:40:A:GLU:HA	13	0.21
(1,502)	1:12:B:ILE:HD11	1:13:B:ASN:H	16	0.21
(1,502)	1:12:B:ILE:HD12	1:13:B:ASN:H	16	0.21
(1,502)	1:12:B:ILE:HD13	1:13:B:ASN:H	16	0.21
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG11	8	0.21
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG12	8	0.21
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG13	8	0.21
(1,265)	1:41:A:LEU:HB3	1:44:A:PHE:H	3	0.21
(1,164)	1:13:B:ASN:HD22	1:14:B:VAL:H	16	0.21
(1,163)	1:13:A:ASN:HD22	1:14:A:VAL:H	7	0.21
(1,73)	1:9:A:GLU:HB2	1:13:A:ASN:HD21	11	0.21
(1,2864)	1:40:B:GLU:HG2	1:41:B:LEU:H	11	0.2
(1,2864)	1:40:B:GLU:HG3	1:41:B:LEU:H	11	0.2
(1,2813)	1:30:B:LYS:H	1:30:B:LYS:HD2	18	0.2
(1,2813)	1:30:B:LYS:H	1:30:B:LYS:HD3	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2740)	1:13:B:ASN:HD21	1:14:B:VAL:HG11	7	0.2
(1,2740)	1:13:B:ASN:HD21	1:14:B:VAL:HG12	7	0.2
(1,2740)	1:13:B:ASN:HD21	1:14:B:VAL:HG13	7	0.2
(1,2740)	1:13:B:ASN:HD21	1:14:B:VAL:HG21	7	0.2
(1,2740)	1:13:B:ASN:HD21	1:14:B:VAL:HG22	7	0.2
(1,2740)	1:13:B:ASN:HD21	1:14:B:VAL:HG23	7	0.2
(1,2720)	1:91:A:GLU:HG2	1:93:A:SER:H	9	0.2
(1,2720)	1:91:A:GLU:HG3	1:93:A:SER:H	9	0.2
(1,2671)	1:41:A:LEU:HD21	1:5:B:GLU:HG2	10	0.2
(1,2671)	1:41:A:LEU:HD21	1:5:B:GLU:HG3	10	0.2
(1,2671)	1:41:A:LEU:HD22	1:5:B:GLU:HG2	10	0.2
(1,2671)	1:41:A:LEU:HD22	1:5:B:GLU:HG3	10	0.2
(1,2671)	1:41:A:LEU:HD23	1:5:B:GLU:HG2	10	0.2
(1,2671)	1:41:A:LEU:HD23	1:5:B:GLU:HG3	10	0.2
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD2	5	0.2
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD3	5	0.2
(1,2611)	1:28:A:LEU:HD11	1:33:A:LEU:HG	4	0.2
(1,2611)	1:28:A:LEU:HD12	1:33:A:LEU:HG	4	0.2
(1,2611)	1:28:A:LEU:HD13	1:33:A:LEU:HG	4	0.2
(1,2611)	1:28:A:LEU:HD21	1:33:A:LEU:HG	4	0.2
(1,2611)	1:28:A:LEU:HD22	1:33:A:LEU:HG	4	0.2
(1,2611)	1:28:A:LEU:HD23	1:33:A:LEU:HG	4	0.2
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG11	3	0.2
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG12	3	0.2
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG13	3	0.2
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG21	3	0.2
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG22	3	0.2
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG23	3	0.2
(1,2500)	1:36:B:LEU:HG	1:74:B:TYR:HE1	19	0.2
(1,2464)	1:41:B:LEU:HG	1:44:B:PHE:HD1	2	0.2
(1,2464)	1:41:B:LEU:HG	1:44:B:PHE:HD1	6	0.2
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG2	6	0.2
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG3	6	0.2
(1,2252)	1:28:B:LEU:HD11	1:32:B:GLU:HB3	6	0.2
(1,2252)	1:28:B:LEU:HD12	1:32:B:GLU:HB3	6	0.2
(1,2252)	1:28:B:LEU:HD13	1:32:B:GLU:HB3	6	0.2
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD11	1	0.2
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD12	1	0.2
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD13	1	0.2
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG21	3	0.2
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG22	3	0.2
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG23	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG21	12	0.2
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG22	12	0.2
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG23	12	0.2
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD21	2	0.2
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD22	2	0.2
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD23	2	0.2
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD21	7	0.2
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD22	7	0.2
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD23	7	0.2
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD21	18	0.2
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD22	18	0.2
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD23	18	0.2
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD21	19	0.2
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD22	19	0.2
(1,2193)	1:41:A:LEU:HA	1:41:A:LEU:HD23	19	0.2
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE1	13	0.2
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE2	13	0.2
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE3	13	0.2
(1,2106)	1:4:A:LEU:HD11	1:14:B:VAL:HB	5	0.2
(1,2106)	1:4:A:LEU:HD12	1:14:B:VAL:HB	5	0.2
(1,2106)	1:4:A:LEU:HD13	1:14:B:VAL:HB	5	0.2
(1,1917)	1:21:A:LYS:HD2	1:32:A:GLU:HB3	9	0.2
(1,1917)	1:21:A:LYS:HD3	1:32:A:GLU:HB3	9	0.2
(1,1806)	1:53:B:ALA:HB1	1:81:B:LEU:HA	2	0.2
(1,1806)	1:53:B:ALA:HB2	1:81:B:LEU:HA	2	0.2
(1,1806)	1:53:B:ALA:HB3	1:81:B:LEU:HA	2	0.2
(1,1806)	1:53:B:ALA:HB1	1:81:B:LEU:HA	20	0.2
(1,1806)	1:53:B:ALA:HB2	1:81:B:LEU:HA	20	0.2
(1,1806)	1:53:B:ALA:HB3	1:81:B:LEU:HA	20	0.2
(1,1805)	1:53:A:ALA:HB1	1:81:A:LEU:HA	18	0.2
(1,1805)	1:53:A:ALA:HB2	1:81:A:LEU:HA	18	0.2
(1,1805)	1:53:A:ALA:HB3	1:81:A:LEU:HA	18	0.2
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB1	16	0.2
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB2	16	0.2
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB3	16	0.2
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB1	15	0.2
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB2	15	0.2
(1,1777)	1:72:A:GLN:HB2	1:80:B:ALA:HB3	15	0.2
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB1	15	0.2
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB2	15	0.2
(1,1777)	1:72:A:GLN:HB3	1:80:B:ALA:HB3	15	0.2
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB1	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB2	3	0.2
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB3	3	0.2
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB1	7	0.2
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB2	7	0.2
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB3	7	0.2
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB1	20	0.2
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB2	20	0.2
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB3	20	0.2
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB1	19	0.2
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB2	19	0.2
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB3	19	0.2
(1,1697)	1:4:A:LEU:HG	1:11:B:LEU:HG	1	0.2
(1,1590)	1:24:B:ASP:HA	1:27:B:LYS:HB2	2	0.2
(1,1590)	1:24:B:ASP:HA	1:27:B:LYS:HB2	19	0.2
(1,1575)	1:29:A:SER:HB3	1:30:A:LYS:HA	15	0.2
(1,1557)	1:34:A:LYS:HG3	1:62:A:ASP:HA	5	0.2
(1,1542)	1:33:B:LEU:HA	1:36:B:LEU:HA	9	0.2
(1,1542)	1:33:B:LEU:HA	1:36:B:LEU:HA	10	0.2
(1,1542)	1:33:B:LEU:HA	1:36:B:LEU:HA	15	0.2
(1,1541)	1:33:A:LEU:HA	1:36:A:LEU:HA	4	0.2
(1,1541)	1:33:A:LEU:HA	1:36:A:LEU:HA	8	0.2
(1,1416)	1:67:B:GLY:HA3	1:68:B:GLU:HB2	2	0.2
(1,1416)	1:67:B:GLY:HA3	1:68:B:GLU:HB3	2	0.2
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB2	3	0.2
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB3	3	0.2
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD11	11	0.2
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD12	11	0.2
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD13	11	0.2
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD11	18	0.2
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD12	18	0.2
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD13	18	0.2
(1,1230)	1:72:B:GLN:HG2	1:73:B:GLU:H	20	0.2
(1,1104)	1:9:B:GLU:H	1:9:B:GLU:HB2	12	0.2
(1,1082)	1:6:B:THR:H	1:6:B:THR:HB	1	0.2
(1,1082)	1:6:B:THR:H	1:6:B:THR:HB	4	0.2
(1,1082)	1:6:B:THR:H	1:6:B:THR:HB	7	0.2
(1,1082)	1:6:B:THR:H	1:6:B:THR:HB	9	0.2
(1,1082)	1:6:B:THR:H	1:6:B:THR:HB	16	0.2
(1,1081)	1:6:A:THR:H	1:6:A:THR:HB	5	0.2
(1,1081)	1:6:A:THR:H	1:6:A:THR:HB	9	0.2
(1,1081)	1:6:A:THR:H	1:6:A:THR:HB	13	0.2
(1,1081)	1:6:A:THR:H	1:6:A:THR:HB	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:6:A:THR:H	1:6:A:THR:HB	17	0.2
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG21	5	0.2
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG22	5	0.2
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG23	5	0.2
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG21	9	0.2
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG22	9	0.2
(1,1032)	1:10:B:THR:H	1:10:B:THR:HG23	9	0.2
(1,963)	1:45:A:LEU:HB2	1:46:A:ASP:H	5	0.2
(1,846)	1:31:B:LYS:HB2	1:32:B:GLU:H	5	0.2
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD21	3	0.2
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD22	3	0.2
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD23	3	0.2
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD21	6	0.2
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD22	6	0.2
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD23	6	0.2
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD21	18	0.2
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD22	18	0.2
(1,835)	1:41:A:LEU:H	1:41:A:LEU:HD23	18	0.2
(1,651)	1:30:A:LYS:HB2	1:65:A:GLY:H	5	0.2
(1,543)	1:31:A:LYS:H	1:65:A:GLY:H	9	0.2
(1,513)	1:39:A:THR:H	1:40:A:GLU:HA	17	0.2
(1,502)	1:12:B:ILE:HD11	1:13:B:ASN:H	10	0.2
(1,502)	1:12:B:ILE:HD12	1:13:B:ASN:H	10	0.2
(1,502)	1:12:B:ILE:HD13	1:13:B:ASN:H	10	0.2
(1,459)	1:76:A:VAL:HG11	1:72:B:GLN:HE22	2	0.2
(1,459)	1:76:A:VAL:HG12	1:72:B:GLN:HE22	2	0.2
(1,459)	1:76:A:VAL:HG13	1:72:B:GLN:HE22	2	0.2
(1,266)	1:41:B:LEU:HB3	1:44:B:PHE:H	20	0.2
(1,265)	1:41:A:LEU:HB3	1:44:A:PHE:H	5	0.2
(1,163)	1:13:A:ASN:HD22	1:14:A:VAL:H	10	0.2
(1,74)	1:9:B:GLU:HB2	1:13:B:ASN:HD21	15	0.2
(1,2864)	1:40:B:GLU:HG2	1:41:B:LEU:H	12	0.19
(1,2864)	1:40:B:GLU:HG3	1:41:B:LEU:H	12	0.19
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD11	12	0.19
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD12	12	0.19
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD13	12	0.19
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD21	12	0.19
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD22	12	0.19
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD23	12	0.19
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD11	16	0.19
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD12	16	0.19
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD13	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD21	16	0.19
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD22	16	0.19
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD23	16	0.19
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG11	11	0.19
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG12	11	0.19
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG13	11	0.19
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG21	11	0.19
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG22	11	0.19
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG23	11	0.19
(1,2669)	1:40:A:GLU:HG2	1:41:A:LEU:H	11	0.19
(1,2669)	1:40:A:GLU:HG3	1:41:A:LEU:H	11	0.19
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG2	4	0.19
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG3	4	0.19
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG2	18	0.19
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG3	18	0.19
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD11	14	0.19
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD12	14	0.19
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD13	14	0.19
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD21	14	0.19
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD22	14	0.19
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD23	14	0.19
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG11	1	0.19
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG12	1	0.19
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG13	1	0.19
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG21	1	0.19
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG22	1	0.19
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG23	1	0.19
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG11	13	0.19
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG12	13	0.19
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG13	13	0.19
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG21	13	0.19
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG22	13	0.19
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG23	13	0.19
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG11	16	0.19
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG12	16	0.19
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG13	16	0.19
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG21	16	0.19
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG22	16	0.19
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG23	16	0.19
(1,2499)	1:36:A:LEU:HG	1:74:A:TYR:HE1	19	0.19
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG2	6	0.19
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG3	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG2	16	0.19
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG3	16	0.19
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG2	19	0.19
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG3	19	0.19
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG2	5	0.19
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG3	5	0.19
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG21	14	0.19
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG22	14	0.19
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG23	14	0.19
(1,2164)	1:8:A:MET:HE1	1:78:B:VAL:HB	19	0.19
(1,2164)	1:8:A:MET:HE2	1:78:B:VAL:HB	19	0.19
(1,2164)	1:8:A:MET:HE3	1:78:B:VAL:HB	19	0.19
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE1	4	0.19
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE2	4	0.19
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE3	4	0.19
(1,2004)	1:28:B:LEU:HD21	1:32:B:GLU:HB3	9	0.19
(1,2004)	1:28:B:LEU:HD22	1:32:B:GLU:HB3	9	0.19
(1,2004)	1:28:B:LEU:HD23	1:32:B:GLU:HB3	9	0.19
(1,1897)	1:9:A:GLU:HG2	1:10:A:THR:HA	12	0.19
(1,1897)	1:9:A:GLU:HG2	1:10:A:THR:HA	14	0.19
(1,1897)	1:9:A:GLU:HG2	1:10:A:THR:HA	18	0.19
(1,1810)	1:41:B:LEU:HD11	1:44:B:PHE:HE1	7	0.19
(1,1810)	1:41:B:LEU:HD12	1:44:B:PHE:HE1	7	0.19
(1,1810)	1:41:B:LEU:HD13	1:44:B:PHE:HE1	7	0.19
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB1	12	0.19
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB2	12	0.19
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB3	12	0.19
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB1	4	0.19
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB2	4	0.19
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB3	4	0.19
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB1	5	0.19
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB2	5	0.19
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB3	5	0.19
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB1	17	0.19
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB2	17	0.19
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB3	17	0.19
(1,1783)	1:80:A:ALA:HA	1:83:A:VAL:HB	18	0.19
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB1	1	0.19
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB2	1	0.19
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB3	1	0.19
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB1	11	0.19
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB2	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB3	11	0.19
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB1	12	0.19
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB2	12	0.19
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB3	12	0.19
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB1	15	0.19
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB2	15	0.19
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB3	15	0.19
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB1	19	0.19
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB2	19	0.19
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB3	19	0.19
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB1	1	0.19
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB2	1	0.19
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB3	1	0.19
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB1	3	0.19
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB2	3	0.19
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB3	3	0.19
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB1	6	0.19
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB2	6	0.19
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB3	6	0.19
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB1	8	0.19
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB2	8	0.19
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB3	8	0.19
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB1	11	0.19
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB2	11	0.19
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB3	11	0.19
(1,1698)	1:11:A:LEU:HG	1:4:B:LEU:HG	17	0.19
(1,1575)	1:29:A:SER:HB3	1:30:A:LYS:HA	3	0.19
(1,1541)	1:33:A:LEU:HA	1:36:A:LEU:HA	9	0.19
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG21	12	0.19
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG22	12	0.19
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG23	12	0.19
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG21	12	0.19
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG22	12	0.19
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG23	12	0.19
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG21	12	0.19
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG22	12	0.19
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG23	12	0.19
(1,1229)	1:72:A:GLN:HG2	1:73:A:GLU:H	3	0.19
(1,1229)	1:72:A:GLN:HG2	1:73:A:GLU:H	4	0.19
(1,1103)	1:9:A:GLU:H	1:9:A:GLU:HB2	16	0.19
(1,1082)	1:6:B:THR:H	1:6:B:THR:HB	8	0.19
(1,1082)	1:6:B:THR:H	1:6:B:THR:HB	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1082)	1:6:B:THR:H	1:6:B:THR:HB	18	0.19
(1,1081)	1:6:A:THR:H	1:6:A:THR:HB	1	0.19
(1,1081)	1:6:A:THR:H	1:6:A:THR:HB	6	0.19
(1,1081)	1:6:A:THR:H	1:6:A:THR:HB	7	0.19
(1,1081)	1:6:A:THR:H	1:6:A:THR:HB	15	0.19
(1,1081)	1:6:A:THR:H	1:6:A:THR:HB	19	0.19
(1,759)	1:60:A:GLU:HG3	1:64:A:ASN:HD21	19	0.19
(1,683)	1:13:A:ASN:HA	1:17:A:ALA:H	6	0.19
(1,683)	1:13:A:ASN:HA	1:17:A:ALA:H	18	0.19
(1,672)	1:54:B:VAL:HG21	1:57:B:VAL:H	14	0.19
(1,672)	1:54:B:VAL:HG22	1:57:B:VAL:H	14	0.19
(1,672)	1:54:B:VAL:HG23	1:57:B:VAL:H	14	0.19
(1,671)	1:54:A:VAL:HG21	1:57:A:VAL:H	11	0.19
(1,671)	1:54:A:VAL:HG22	1:57:A:VAL:H	11	0.19
(1,671)	1:54:A:VAL:HG23	1:57:A:VAL:H	11	0.19
(1,619)	1:65:A:GLY:H	1:67:A:GLY:H	13	0.19
(1,543)	1:31:A:LYS:H	1:65:A:GLY:H	15	0.19
(1,514)	1:39:B:THR:H	1:40:B:GLU:HA	5	0.19
(1,502)	1:12:B:ILE:HD11	1:13:B:ASN:H	1	0.19
(1,502)	1:12:B:ILE:HD12	1:13:B:ASN:H	1	0.19
(1,502)	1:12:B:ILE:HD13	1:13:B:ASN:H	1	0.19
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG11	1	0.19
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG12	1	0.19
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG13	1	0.19
(1,271)	1:40:A:GLU:HG3	1:41:A:LEU:H	4	0.19
(1,271)	1:40:A:GLU:HG3	1:41:A:LEU:H	19	0.19
(1,266)	1:41:B:LEU:HB3	1:44:B:PHE:H	2	0.19
(1,210)	1:27:B:LYS:HA	1:69:B:VAL:H	20	0.19
(1,163)	1:13:A:ASN:HD22	1:14:A:VAL:H	16	0.19
(1,2864)	1:40:B:GLU:HG2	1:41:B:LEU:H	3	0.18
(1,2864)	1:40:B:GLU:HG3	1:41:B:LEU:H	3	0.18
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD11	4	0.18
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD12	4	0.18
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD13	4	0.18
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD21	4	0.18
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD22	4	0.18
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD23	4	0.18
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG11	6	0.18
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG12	6	0.18
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG13	6	0.18
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG21	6	0.18
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG22	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG23	6	0.18
(1,2669)	1:40:A:GLU:HG2	1:41:A:LEU:H	8	0.18
(1,2669)	1:40:A:GLU:HG3	1:41:A:LEU:H	8	0.18
(1,2669)	1:40:A:GLU:HG2	1:41:A:LEU:H	12	0.18
(1,2669)	1:40:A:GLU:HG3	1:41:A:LEU:H	12	0.18
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD2	18	0.18
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD3	18	0.18
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD11	1	0.18
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD12	1	0.18
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD13	1	0.18
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD21	1	0.18
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD22	1	0.18
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD23	1	0.18
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD11	11	0.18
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD12	11	0.18
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD13	11	0.18
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD21	11	0.18
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD22	11	0.18
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD23	11	0.18
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD11	16	0.18
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD12	16	0.18
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD13	16	0.18
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD21	16	0.18
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD22	16	0.18
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD23	16	0.18
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG11	19	0.18
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG12	19	0.18
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG13	19	0.18
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG21	19	0.18
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG22	19	0.18
(1,2536)	1:12:A:ILE:H	1:14:A:VAL:HG23	19	0.18
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE1	15	0.18
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE2	15	0.18
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE3	15	0.18
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG2	11	0.18
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG3	11	0.18
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG2	17	0.18
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG3	17	0.18
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG2	2	0.18
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG3	2	0.18
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG2	12	0.18
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG3	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG2	17	0.18
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG3	17	0.18
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG2	6	0.18
(1,2270)	1:29:B:SER:HB2	1:31:B:LYS:HG3	6	0.18
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD11	4	0.18
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD12	4	0.18
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD13	4	0.18
(1,2228)	1:4:A:LEU:HA	1:11:B:LEU:HD21	18	0.18
(1,2228)	1:4:A:LEU:HA	1:11:B:LEU:HD22	18	0.18
(1,2228)	1:4:A:LEU:HA	1:11:B:LEU:HD23	18	0.18
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG21	4	0.18
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG22	4	0.18
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG23	4	0.18
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG21	7	0.18
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG22	7	0.18
(1,2219)	1:3:A:GLU:HA	1:6:A:THR:HG23	7	0.18
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD21	6	0.18
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD22	6	0.18
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD23	6	0.18
(1,2164)	1:8:A:MET:HE1	1:78:B:VAL:HB	2	0.18
(1,2164)	1:8:A:MET:HE2	1:78:B:VAL:HB	2	0.18
(1,2164)	1:8:A:MET:HE3	1:78:B:VAL:HB	2	0.18
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE1	17	0.18
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE2	17	0.18
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE3	17	0.18
(1,2161)	1:3:A:GLU:HA	1:6:A:THR:HB	6	0.18
(1,2108)	1:30:B:LYS:HB3	1:61:B:LEU:HD21	6	0.18
(1,2108)	1:30:B:LYS:HB3	1:61:B:LEU:HD22	6	0.18
(1,2108)	1:30:B:LYS:HB3	1:61:B:LEU:HD23	6	0.18
(1,2106)	1:4:A:LEU:HD11	1:14:B:VAL:HB	3	0.18
(1,2106)	1:4:A:LEU:HD12	1:14:B:VAL:HB	3	0.18
(1,2106)	1:4:A:LEU:HD13	1:14:B:VAL:HB	3	0.18
(1,1907)	1:47:A:ALA:HB1	1:49:A:LYS:HG2	10	0.18
(1,1907)	1:47:A:ALA:HB2	1:49:A:LYS:HG2	10	0.18
(1,1907)	1:47:A:ALA:HB3	1:49:A:LYS:HG2	10	0.18
(1,1897)	1:9:A:GLU:HG2	1:10:A:THR:HA	1	0.18
(1,1897)	1:9:A:GLU:HG2	1:10:A:THR:HA	11	0.18
(1,1897)	1:9:A:GLU:HG2	1:10:A:THR:HA	17	0.18
(1,1897)	1:9:A:GLU:HG2	1:10:A:THR:HA	19	0.18
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB1	7	0.18
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB2	7	0.18
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB3	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB1	14	0.18
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB2	14	0.18
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB3	14	0.18
(1,1795)	1:41:A:LEU:HD11	1:44:A:PHE:HD1	1	0.18
(1,1795)	1:41:A:LEU:HD12	1:44:A:PHE:HD1	1	0.18
(1,1795)	1:41:A:LEU:HD13	1:44:A:PHE:HD1	1	0.18
(1,1795)	1:41:A:LEU:HD11	1:44:A:PHE:HD1	2	0.18
(1,1795)	1:41:A:LEU:HD12	1:44:A:PHE:HD1	2	0.18
(1,1795)	1:41:A:LEU:HD13	1:44:A:PHE:HD1	2	0.18
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB2	15	0.18
(1,1778)	1:80:A:ALA:HB1	1:72:B:GLN:HB3	15	0.18
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB2	15	0.18
(1,1778)	1:80:A:ALA:HB2	1:72:B:GLN:HB3	15	0.18
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB2	15	0.18
(1,1778)	1:80:A:ALA:HB3	1:72:B:GLN:HB3	15	0.18
(1,1770)	1:21:B:LYS:HD2	1:32:B:GLU:HG3	6	0.18
(1,1770)	1:21:B:LYS:HD3	1:32:B:GLU:HG3	6	0.18
(1,1770)	1:21:B:LYS:HD2	1:32:B:GLU:HG3	18	0.18
(1,1770)	1:21:B:LYS:HD3	1:32:B:GLU:HG3	18	0.18
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB1	8	0.18
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB2	8	0.18
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB3	8	0.18
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB1	17	0.18
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB2	17	0.18
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB3	17	0.18
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB1	18	0.18
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB2	18	0.18
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB3	18	0.18
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB1	12	0.18
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB2	12	0.18
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB3	12	0.18
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB1	18	0.18
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB2	18	0.18
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB3	18	0.18
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB1	20	0.18
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB2	20	0.18
(1,1713)	1:50:A:ASP:HA	1:84:A:ALA:HB3	20	0.18
(1,1697)	1:4:A:LEU:HG	1:11:B:LEU:HG	5	0.18
(1,1589)	1:24:A:ASP:HA	1:27:A:LYS:HB2	1	0.18
(1,1576)	1:29:B:SER:HB3	1:30:B:LYS:HA	4	0.18
(1,1566)	1:50:B:ASP:H	1:53:B:ALA:HB1	14	0.18
(1,1566)	1:50:B:ASP:H	1:53:B:ALA:HB2	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1566)	1:50:B:ASP:H	1:53:B:ALA:HB3	14	0.18
(1,1565)	1:50:A:ASP:H	1:53:A:ALA:HB1	5	0.18
(1,1565)	1:50:A:ASP:H	1:53:A:ALA:HB2	5	0.18
(1,1565)	1:50:A:ASP:H	1:53:A:ALA:HB3	5	0.18
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG21	9	0.18
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG22	9	0.18
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG23	9	0.18
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG21	9	0.18
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG22	9	0.18
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG23	9	0.18
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG21	9	0.18
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG22	9	0.18
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG23	9	0.18
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG21	20	0.18
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG22	20	0.18
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG23	20	0.18
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG21	20	0.18
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG22	20	0.18
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG23	20	0.18
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG21	20	0.18
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG22	20	0.18
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG23	20	0.18
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG21	7	0.18
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG22	7	0.18
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG23	7	0.18
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG21	7	0.18
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG22	7	0.18
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG23	7	0.18
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG21	7	0.18
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG22	7	0.18
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG23	7	0.18
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB2	7	0.18
(1,1348)	1:68:B:GLU:H	1:68:B:GLU:HB3	7	0.18
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD11	12	0.18
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD12	12	0.18
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD13	12	0.18
(1,1104)	1:9:B:GLU:H	1:9:B:GLU:HB2	2	0.18
(1,1082)	1:6:B:THR:H	1:6:B:THR:HB	12	0.18
(1,1082)	1:6:B:THR:H	1:6:B:THR:HB	14	0.18
(1,1082)	1:6:B:THR:H	1:6:B:THR:HB	15	0.18
(1,1082)	1:6:B:THR:H	1:6:B:THR:HB	20	0.18
(1,1081)	1:6:A:THR:H	1:6:A:THR:HB	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:6:A:THR:H	1:6:A:THR:HB	8	0.18
(1,1081)	1:6:A:THR:H	1:6:A:THR:HB	18	0.18
(1,878)	1:40:B:GLU:H	1:40:B:GLU:HG3	15	0.18
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD11	3	0.18
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD12	3	0.18
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD13	3	0.18
(1,671)	1:54:A:VAL:HG21	1:57:A:VAL:H	8	0.18
(1,671)	1:54:A:VAL:HG22	1:57:A:VAL:H	8	0.18
(1,671)	1:54:A:VAL:HG23	1:57:A:VAL:H	8	0.18
(1,671)	1:54:A:VAL:HG21	1:57:A:VAL:H	10	0.18
(1,671)	1:54:A:VAL:HG22	1:57:A:VAL:H	10	0.18
(1,671)	1:54:A:VAL:HG23	1:57:A:VAL:H	10	0.18
(1,627)	1:64:A:ASN:HA	1:64:A:ASN:HD22	1	0.18
(1,544)	1:31:B:LYS:H	1:65:B:GLY:H	1	0.18
(1,544)	1:31:B:LYS:H	1:65:B:GLY:H	8	0.18
(1,544)	1:31:B:LYS:H	1:65:B:GLY:H	20	0.18
(1,543)	1:31:A:LYS:H	1:65:A:GLY:H	8	0.18
(1,513)	1:39:A:THR:H	1:40:A:GLU:HA	5	0.18
(1,513)	1:39:A:THR:H	1:40:A:GLU:HA	10	0.18
(1,501)	1:12:A:ILE:HD11	1:13:A:ASN:H	17	0.18
(1,501)	1:12:A:ILE:HD12	1:13:A:ASN:H	17	0.18
(1,501)	1:12:A:ILE:HD13	1:13:A:ASN:H	17	0.18
(1,456)	1:41:B:LEU:HB3	1:45:B:LEU:H	16	0.18
(1,357)	1:72:A:GLN:HA	1:80:B:ALA:H	12	0.18
(1,272)	1:40:B:GLU:HG3	1:41:B:LEU:H	1	0.18
(1,266)	1:41:B:LEU:HB3	1:44:B:PHE:H	9	0.18
(1,265)	1:41:A:LEU:HB3	1:44:A:PHE:H	9	0.18
(1,2864)	1:40:B:GLU:HG2	1:41:B:LEU:H	2	0.17
(1,2864)	1:40:B:GLU:HG3	1:41:B:LEU:H	2	0.17
(1,2864)	1:40:B:GLU:HG2	1:41:B:LEU:H	8	0.17
(1,2864)	1:40:B:GLU:HG3	1:41:B:LEU:H	8	0.17
(1,2864)	1:40:B:GLU:HG2	1:41:B:LEU:H	14	0.17
(1,2864)	1:40:B:GLU:HG3	1:41:B:LEU:H	14	0.17
(1,2864)	1:40:B:GLU:HG2	1:41:B:LEU:H	18	0.17
(1,2864)	1:40:B:GLU:HG3	1:41:B:LEU:H	18	0.17
(1,2864)	1:40:B:GLU:HG2	1:41:B:LEU:H	20	0.17
(1,2864)	1:40:B:GLU:HG3	1:41:B:LEU:H	20	0.17
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD11	5	0.17
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD12	5	0.17
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD13	5	0.17
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD21	5	0.17
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD22	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD23	5	0.17
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG11	17	0.17
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG12	17	0.17
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG13	17	0.17
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG21	17	0.17
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG22	17	0.17
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG23	17	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD11	2	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD12	2	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD13	2	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD21	2	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD22	2	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD23	2	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD11	8	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD12	8	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD13	8	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD21	8	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD22	8	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD23	8	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD11	12	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD12	12	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD13	12	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD21	12	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD22	12	0.17
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD23	12	0.17
(1,2499)	1:36:A:LEU:HG	1:74:A:TYR:HE1	3	0.17
(1,2463)	1:41:A:LEU:HG	1:44:A:PHE:HD1	9	0.17
(1,2463)	1:41:A:LEU:HG	1:44:A:PHE:HD1	13	0.17
(1,2416)	1:57:B:VAL:HG11	1:80:B:ALA:HB1	17	0.17
(1,2416)	1:57:B:VAL:HG11	1:80:B:ALA:HB2	17	0.17
(1,2416)	1:57:B:VAL:HG11	1:80:B:ALA:HB3	17	0.17
(1,2416)	1:57:B:VAL:HG12	1:80:B:ALA:HB1	17	0.17
(1,2416)	1:57:B:VAL:HG12	1:80:B:ALA:HB2	17	0.17
(1,2416)	1:57:B:VAL:HG12	1:80:B:ALA:HB3	17	0.17
(1,2416)	1:57:B:VAL:HG13	1:80:B:ALA:HB1	17	0.17
(1,2416)	1:57:B:VAL:HG13	1:80:B:ALA:HB2	17	0.17
(1,2416)	1:57:B:VAL:HG13	1:80:B:ALA:HB3	17	0.17
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG2	13	0.17
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG3	13	0.17
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG2	14	0.17
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG3	14	0.17
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG2	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG3	18	0.17
(1,2227)	1:11:A:LEU:HD21	1:4:B:LEU:HA	8	0.17
(1,2227)	1:11:A:LEU:HD22	1:4:B:LEU:HA	8	0.17
(1,2227)	1:11:A:LEU:HD23	1:4:B:LEU:HA	8	0.17
(1,2164)	1:8:A:MET:HE1	1:78:B:VAL:HB	9	0.17
(1,2164)	1:8:A:MET:HE2	1:78:B:VAL:HB	9	0.17
(1,2164)	1:8:A:MET:HE3	1:78:B:VAL:HB	9	0.17
(1,2107)	1:30:A:LYS:HB3	1:61:A:LEU:HD21	6	0.17
(1,2107)	1:30:A:LYS:HB3	1:61:A:LEU:HD22	6	0.17
(1,2107)	1:30:A:LYS:HB3	1:61:A:LEU:HD23	6	0.17
(1,2038)	1:30:B:LYS:HB3	1:61:B:LEU:HA	3	0.17
(1,1897)	1:9:A:GLU:HG2	1:10:A:THR:HA	8	0.17
(1,1805)	1:53:A:ALA:HB1	1:81:A:LEU:HA	1	0.17
(1,1805)	1:53:A:ALA:HB2	1:81:A:LEU:HA	1	0.17
(1,1805)	1:53:A:ALA:HB3	1:81:A:LEU:HA	1	0.17
(1,1805)	1:53:A:ALA:HB1	1:81:A:LEU:HA	5	0.17
(1,1805)	1:53:A:ALA:HB2	1:81:A:LEU:HA	5	0.17
(1,1805)	1:53:A:ALA:HB3	1:81:A:LEU:HA	5	0.17
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB1	2	0.17
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB2	2	0.17
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB3	2	0.17
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB1	2	0.17
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB2	2	0.17
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB3	2	0.17
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB1	9	0.17
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB2	9	0.17
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB3	9	0.17
(1,1795)	1:41:A:LEU:HD11	1:44:A:PHE:HD1	18	0.17
(1,1795)	1:41:A:LEU:HD12	1:44:A:PHE:HD1	18	0.17
(1,1795)	1:41:A:LEU:HD13	1:44:A:PHE:HD1	18	0.17
(1,1783)	1:80:A:ALA:HA	1:83:A:VAL:HB	12	0.17
(1,1769)	1:21:A:LYS:HD2	1:32:A:GLU:HG3	14	0.17
(1,1769)	1:21:A:LYS:HD3	1:32:A:GLU:HG3	14	0.17
(1,1755)	1:29:A:SER:HA	1:68:A:GLU:HG2	12	0.17
(1,1722)	1:8:A:MET:HG3	1:41:B:LEU:HD21	1	0.17
(1,1722)	1:8:A:MET:HG3	1:41:B:LEU:HD22	1	0.17
(1,1722)	1:8:A:MET:HG3	1:41:B:LEU:HD23	1	0.17
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB1	6	0.17
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB2	6	0.17
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB3	6	0.17
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB1	14	0.17
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB2	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1714)	1:50:B:ASP:HA	1:84:B:ALA:HB3	14	0.17
(1,1661)	1:31:A:LYS:HG2	1:32:A:GLU:HB3	6	0.17
(1,1661)	1:31:A:LYS:HG3	1:32:A:GLU:HB3	6	0.17
(1,1590)	1:24:B:ASP:HA	1:27:B:LYS:HB2	20	0.17
(1,1589)	1:24:A:ASP:HA	1:27:A:LYS:HB2	20	0.17
(1,1575)	1:29:A:SER:HB3	1:30:A:LYS:HA	1	0.17
(1,1542)	1:33:B:LEU:HA	1:36:B:LEU:HA	6	0.17
(1,1436)	1:31:B:LYS:HG2	1:66:B:ASP:HA	5	0.17
(1,1436)	1:31:B:LYS:HG3	1:66:B:ASP:HA	5	0.17
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB2	2	0.17
(1,1347)	1:68:A:GLU:H	1:68:A:GLU:HB3	2	0.17
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD11	6	0.17
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD12	6	0.17
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD13	6	0.17
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD11	18	0.17
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD12	18	0.17
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD13	18	0.17
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD11	10	0.17
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD12	10	0.17
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD13	10	0.17
(1,1152)	1:28:B:LEU:HD11	1:29:B:SER:H	8	0.17
(1,1152)	1:28:B:LEU:HD12	1:29:B:SER:H	8	0.17
(1,1152)	1:28:B:LEU:HD13	1:29:B:SER:H	8	0.17
(1,1152)	1:28:B:LEU:HD11	1:29:B:SER:H	19	0.17
(1,1152)	1:28:B:LEU:HD12	1:29:B:SER:H	19	0.17
(1,1152)	1:28:B:LEU:HD13	1:29:B:SER:H	19	0.17
(1,1104)	1:9:B:GLU:H	1:9:B:GLU:HB2	4	0.17
(1,1104)	1:9:B:GLU:H	1:9:B:GLU:HB2	10	0.17
(1,1104)	1:9:B:GLU:H	1:9:B:GLU:HB2	13	0.17
(1,1104)	1:9:B:GLU:H	1:9:B:GLU:HB2	16	0.17
(1,1103)	1:9:A:GLU:H	1:9:A:GLU:HB2	9	0.17
(1,1103)	1:9:A:GLU:H	1:9:A:GLU:HB2	17	0.17
(1,1082)	1:6:B:THR:H	1:6:B:THR:HB	3	0.17
(1,1082)	1:6:B:THR:H	1:6:B:THR:HB	5	0.17
(1,1082)	1:6:B:THR:H	1:6:B:THR:HB	6	0.17
(1,1082)	1:6:B:THR:H	1:6:B:THR:HB	13	0.17
(1,1082)	1:6:B:THR:H	1:6:B:THR:HB	17	0.17
(1,1082)	1:6:B:THR:H	1:6:B:THR:HB	19	0.17
(1,1081)	1:6:A:THR:H	1:6:A:THR:HB	4	0.17
(1,1081)	1:6:A:THR:H	1:6:A:THR:HB	11	0.17
(1,1081)	1:6:A:THR:H	1:6:A:THR:HB	12	0.17
(1,1081)	1:6:A:THR:H	1:6:A:THR:HB	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1039)	1:9:A:GLU:HB3	1:10:A:THR:H	4	0.17
(1,877)	1:40:A:GLU:H	1:40:A:GLU:HG3	6	0.17
(1,760)	1:60:B:GLU:HG3	1:64:B:ASN:HD21	18	0.17
(1,672)	1:54:B:VAL:HG21	1:57:B:VAL:H	19	0.17
(1,672)	1:54:B:VAL:HG22	1:57:B:VAL:H	19	0.17
(1,672)	1:54:B:VAL:HG23	1:57:B:VAL:H	19	0.17
(1,671)	1:54:A:VAL:HG21	1:57:A:VAL:H	3	0.17
(1,671)	1:54:A:VAL:HG22	1:57:A:VAL:H	3	0.17
(1,671)	1:54:A:VAL:HG23	1:57:A:VAL:H	3	0.17
(1,671)	1:54:A:VAL:HG21	1:57:A:VAL:H	20	0.17
(1,671)	1:54:A:VAL:HG22	1:57:A:VAL:H	20	0.17
(1,671)	1:54:A:VAL:HG23	1:57:A:VAL:H	20	0.17
(1,628)	1:64:B:ASN:HA	1:64:B:ASN:HD22	6	0.17
(1,627)	1:64:A:ASN:HA	1:64:A:ASN:HD22	3	0.17
(1,627)	1:64:A:ASN:HA	1:64:A:ASN:HD22	11	0.17
(1,544)	1:31:B:LYS:H	1:65:B:GLY:H	3	0.17
(1,544)	1:31:B:LYS:H	1:65:B:GLY:H	15	0.17
(1,514)	1:39:B:THR:H	1:40:B:GLU:HA	7	0.17
(1,513)	1:39:A:THR:H	1:40:A:GLU:HA	16	0.17
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG11	13	0.17
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG12	13	0.17
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG13	13	0.17
(1,456)	1:41:B:LEU:HB3	1:45:B:LEU:H	19	0.17
(1,455)	1:41:A:LEU:HB3	1:45:A:LEU:H	15	0.17
(1,357)	1:72:A:GLN:HA	1:80:B:ALA:H	4	0.17
(1,266)	1:41:B:LEU:HB3	1:44:B:PHE:H	14	0.17
(1,266)	1:41:B:LEU:HB3	1:44:B:PHE:H	16	0.17
(1,266)	1:41:B:LEU:HB3	1:44:B:PHE:H	17	0.17
(1,265)	1:41:A:LEU:HB3	1:44:A:PHE:H	2	0.17
(1,265)	1:41:A:LEU:HB3	1:44:A:PHE:H	8	0.17
(1,164)	1:13:B:ASN:HD22	1:14:B:VAL:H	5	0.17
(1,164)	1:13:B:ASN:HD22	1:14:B:VAL:H	10	0.17
(1,164)	1:13:B:ASN:HD22	1:14:B:VAL:H	12	0.17
(1,74)	1:9:B:GLU:HB2	1:13:B:ASN:HD21	8	0.17
(1,2881)	1:49:B:LYS:HA	1:49:B:LYS:HD2	16	0.16
(1,2881)	1:49:B:LYS:HA	1:49:B:LYS:HD3	16	0.16
(1,2864)	1:40:B:GLU:HG2	1:41:B:LEU:H	19	0.16
(1,2864)	1:40:B:GLU:HG3	1:41:B:LEU:H	19	0.16
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG2	18	0.16
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG3	18	0.16
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD11	1	0.16
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD12	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD13	1	0.16
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD21	1	0.16
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD22	1	0.16
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD23	1	0.16
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD11	10	0.16
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD12	10	0.16
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD13	10	0.16
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD21	10	0.16
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD22	10	0.16
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD23	10	0.16
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD11	17	0.16
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD12	17	0.16
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD13	17	0.16
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD21	17	0.16
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD22	17	0.16
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD23	17	0.16
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG11	2	0.16
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG12	2	0.16
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG13	2	0.16
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG21	2	0.16
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG22	2	0.16
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG23	2	0.16
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG11	8	0.16
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG12	8	0.16
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG13	8	0.16
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG21	8	0.16
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG22	8	0.16
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG23	8	0.16
(1,2669)	1:40:A:GLU:HG2	1:41:A:LEU:H	3	0.16
(1,2669)	1:40:A:GLU:HG3	1:41:A:LEU:H	3	0.16
(1,2669)	1:40:A:GLU:HG2	1:41:A:LEU:H	6	0.16
(1,2669)	1:40:A:GLU:HG3	1:41:A:LEU:H	6	0.16
(1,2669)	1:40:A:GLU:HG2	1:41:A:LEU:H	14	0.16
(1,2669)	1:40:A:GLU:HG3	1:41:A:LEU:H	14	0.16
(1,2669)	1:40:A:GLU:HG2	1:41:A:LEU:H	18	0.16
(1,2669)	1:40:A:GLU:HG3	1:41:A:LEU:H	18	0.16
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD11	10	0.16
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD12	10	0.16
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD13	10	0.16
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD21	10	0.16
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD22	10	0.16
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD23	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG11	5	0.16
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG12	5	0.16
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG13	5	0.16
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG21	5	0.16
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG22	5	0.16
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG23	5	0.16
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG11	4	0.16
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG12	4	0.16
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG13	4	0.16
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG21	4	0.16
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG22	4	0.16
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG23	4	0.16
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG11	9	0.16
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG12	9	0.16
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG13	9	0.16
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG21	9	0.16
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG22	9	0.16
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG23	9	0.16
(1,2530)	1:5:A:GLU:HG2	1:41:B:LEU:HD21	4	0.16
(1,2530)	1:5:A:GLU:HG2	1:41:B:LEU:HD22	4	0.16
(1,2530)	1:5:A:GLU:HG2	1:41:B:LEU:HD23	4	0.16
(1,2530)	1:5:A:GLU:HG3	1:41:B:LEU:HD21	4	0.16
(1,2530)	1:5:A:GLU:HG3	1:41:B:LEU:HD22	4	0.16
(1,2530)	1:5:A:GLU:HG3	1:41:B:LEU:HD23	4	0.16
(1,2463)	1:41:A:LEU:HG	1:44:A:PHE:HD1	6	0.16
(1,2437)	1:60:A:GLU:HA	1:60:A:GLU:HG3	19	0.16
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD11	10	0.16
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD12	10	0.16
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD13	10	0.16
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD11	13	0.16
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD12	13	0.16
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD13	13	0.16
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD11	19	0.16
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD12	19	0.16
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD13	19	0.16
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD11	13	0.16
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD12	13	0.16
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD13	13	0.16
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG2	2	0.16
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG3	2	0.16
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD11	14	0.16
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD12	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD13	14	0.16
(1,2227)	1:11:A:LEU:HD21	1:4:B:LEU:HA	1	0.16
(1,2227)	1:11:A:LEU:HD22	1:4:B:LEU:HA	1	0.16
(1,2227)	1:11:A:LEU:HD23	1:4:B:LEU:HA	1	0.16
(1,2164)	1:8:A:MET:HE1	1:78:B:VAL:HB	12	0.16
(1,2164)	1:8:A:MET:HE2	1:78:B:VAL:HB	12	0.16
(1,2164)	1:8:A:MET:HE3	1:78:B:VAL:HB	12	0.16
(1,2106)	1:4:A:LEU:HD11	1:14:B:VAL:HB	15	0.16
(1,2106)	1:4:A:LEU:HD12	1:14:B:VAL:HB	15	0.16
(1,2106)	1:4:A:LEU:HD13	1:14:B:VAL:HB	15	0.16
(1,2008)	1:30:B:LYS:HA	1:61:B:LEU:HD11	5	0.16
(1,2008)	1:30:B:LYS:HA	1:61:B:LEU:HD12	5	0.16
(1,2008)	1:30:B:LYS:HA	1:61:B:LEU:HD13	5	0.16
(1,2008)	1:30:B:LYS:HA	1:61:B:LEU:HD11	16	0.16
(1,2008)	1:30:B:LYS:HA	1:61:B:LEU:HD12	16	0.16
(1,2008)	1:30:B:LYS:HA	1:61:B:LEU:HD13	16	0.16
(1,2003)	1:28:A:LEU:HD21	1:32:A:GLU:HB3	12	0.16
(1,2003)	1:28:A:LEU:HD22	1:32:A:GLU:HB3	12	0.16
(1,2003)	1:28:A:LEU:HD23	1:32:A:GLU:HB3	12	0.16
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB1	10	0.16
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB2	10	0.16
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB3	10	0.16
(1,1926)	1:21:B:LYS:HB2	1:32:B:GLU:HB2	17	0.16
(1,1926)	1:21:B:LYS:HB3	1:32:B:GLU:HB2	17	0.16
(1,1908)	1:47:B:ALA:HB1	1:49:B:LYS:HG2	11	0.16
(1,1908)	1:47:B:ALA:HB2	1:49:B:LYS:HG2	11	0.16
(1,1908)	1:47:B:ALA:HB3	1:49:B:LYS:HG2	11	0.16
(1,1898)	1:9:B:GLU:HG2	1:10:B:THR:HA	10	0.16
(1,1898)	1:9:B:GLU:HG2	1:10:B:THR:HA	11	0.16
(1,1898)	1:9:B:GLU:HG2	1:10:B:THR:HA	18	0.16
(1,1897)	1:9:A:GLU:HG2	1:10:A:THR:HA	3	0.16
(1,1856)	1:68:B:GLU:HA	1:68:B:GLU:HG3	3	0.16
(1,1806)	1:53:B:ALA:HB1	1:81:B:LEU:HA	6	0.16
(1,1806)	1:53:B:ALA:HB2	1:81:B:LEU:HA	6	0.16
(1,1806)	1:53:B:ALA:HB3	1:81:B:LEU:HA	6	0.16
(1,1784)	1:80:B:ALA:HA	1:83:B:VAL:HB	1	0.16
(1,1665)	1:30:A:LYS:HB2	1:64:A:ASN:HB2	4	0.16
(1,1591)	1:77:A:LEU:HD21	1:78:A:VAL:H	14	0.16
(1,1591)	1:77:A:LEU:HD22	1:78:A:VAL:H	14	0.16
(1,1591)	1:77:A:LEU:HD23	1:78:A:VAL:H	14	0.16
(1,1590)	1:24:B:ASP:HA	1:27:B:LYS:HB2	1	0.16
(1,1590)	1:24:B:ASP:HA	1:27:B:LYS:HB2	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1576)	1:29:B:SER:HB3	1:30:B:LYS:HA	8	0.16
(1,1576)	1:29:B:SER:HB3	1:30:B:LYS:HA	9	0.16
(1,1576)	1:29:B:SER:HB3	1:30:B:LYS:HA	12	0.16
(1,1575)	1:29:A:SER:HB3	1:30:A:LYS:HA	8	0.16
(1,1575)	1:29:A:SER:HB3	1:30:A:LYS:HA	11	0.16
(1,1575)	1:29:A:SER:HB3	1:30:A:LYS:HA	20	0.16
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG21	5	0.16
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG22	5	0.16
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG23	5	0.16
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG21	5	0.16
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG22	5	0.16
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG23	5	0.16
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG21	5	0.16
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG22	5	0.16
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG23	5	0.16
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG21	7	0.16
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG22	7	0.16
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG23	7	0.16
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG21	7	0.16
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG22	7	0.16
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG23	7	0.16
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG21	7	0.16
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG22	7	0.16
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG23	7	0.16
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG21	18	0.16
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG22	18	0.16
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG23	18	0.16
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG21	18	0.16
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG22	18	0.16
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG23	18	0.16
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG21	18	0.16
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG22	18	0.16
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG23	18	0.16
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG21	4	0.16
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG22	4	0.16
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG23	4	0.16
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG21	4	0.16
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG22	4	0.16
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG23	4	0.16
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG21	4	0.16
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG22	4	0.16
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG23	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1436)	1:31:B:LYS:HG2	1:66:B:ASP:HA	20	0.16
(1,1436)	1:31:B:LYS:HG3	1:66:B:ASP:HA	20	0.16
(1,1370)	1:91:B:GLU:H	1:91:B:GLU:HB3	20	0.16
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD11	15	0.16
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD12	15	0.16
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD13	15	0.16
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD11	19	0.16
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD12	19	0.16
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD13	19	0.16
(1,1230)	1:72:B:GLN:HG2	1:73:B:GLU:H	1	0.16
(1,1230)	1:72:B:GLN:HG2	1:73:B:GLU:H	14	0.16
(1,1151)	1:28:A:LEU:HD11	1:29:A:SER:H	6	0.16
(1,1151)	1:28:A:LEU:HD12	1:29:A:SER:H	6	0.16
(1,1151)	1:28:A:LEU:HD13	1:29:A:SER:H	6	0.16
(1,1104)	1:9:B:GLU:H	1:9:B:GLU:HB2	1	0.16
(1,1104)	1:9:B:GLU:H	1:9:B:GLU:HB2	15	0.16
(1,1103)	1:9:A:GLU:H	1:9:A:GLU:HB2	5	0.16
(1,1103)	1:9:A:GLU:H	1:9:A:GLU:HB2	15	0.16
(1,1103)	1:9:A:GLU:H	1:9:A:GLU:HB2	19	0.16
(1,1082)	1:6:B:THR:H	1:6:B:THR:HB	2	0.16
(1,1081)	1:6:A:THR:H	1:6:A:THR:HB	14	0.16
(1,1039)	1:9:A:GLU:HB3	1:10:A:THR:H	7	0.16
(1,877)	1:40:A:GLU:H	1:40:A:GLU:HG3	3	0.16
(1,877)	1:40:A:GLU:H	1:40:A:GLU:HG3	12	0.16
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD11	6	0.16
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD12	6	0.16
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD13	6	0.16
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD11	14	0.16
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD12	14	0.16
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD13	14	0.16
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD21	18	0.16
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD22	18	0.16
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD23	18	0.16
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD21	19	0.16
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD22	19	0.16
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD23	19	0.16
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD21	20	0.16
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD22	20	0.16
(1,836)	1:41:B:LEU:H	1:41:B:LEU:HD23	20	0.16
(1,671)	1:54:A:VAL:HG21	1:57:A:VAL:H	9	0.16
(1,671)	1:54:A:VAL:HG22	1:57:A:VAL:H	9	0.16
(1,671)	1:54:A:VAL:HG23	1:57:A:VAL:H	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,671)	1:54:A:VAL:HG21	1:57:A:VAL:H	16	0.16
(1,671)	1:54:A:VAL:HG22	1:57:A:VAL:H	16	0.16
(1,671)	1:54:A:VAL:HG23	1:57:A:VAL:H	16	0.16
(1,628)	1:64:B:ASN:HA	1:64:B:ASN:HD22	4	0.16
(1,544)	1:31:B:LYS:H	1:65:B:GLY:H	16	0.16
(1,502)	1:12:B:ILE:HD11	1:13:B:ASN:H	7	0.16
(1,502)	1:12:B:ILE:HD12	1:13:B:ASN:H	7	0.16
(1,502)	1:12:B:ILE:HD13	1:13:B:ASN:H	7	0.16
(1,483)	1:39:A:THR:H	1:41:A:LEU:HB2	6	0.16
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG11	9	0.16
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG12	9	0.16
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG13	9	0.16
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG11	14	0.16
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG12	14	0.16
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG13	14	0.16
(1,459)	1:76:A:VAL:HG11	1:72:B:GLN:HE22	20	0.16
(1,459)	1:76:A:VAL:HG12	1:72:B:GLN:HE22	20	0.16
(1,459)	1:76:A:VAL:HG13	1:72:B:GLN:HE22	20	0.16
(1,456)	1:41:B:LEU:HB3	1:45:B:LEU:H	14	0.16
(1,456)	1:41:B:LEU:HB3	1:45:B:LEU:H	15	0.16
(1,272)	1:40:B:GLU:HG3	1:41:B:LEU:H	7	0.16
(1,265)	1:41:A:LEU:HB3	1:44:A:PHE:H	20	0.16
(1,253)	1:72:A:GLN:HB2	1:80:B:ALA:H	12	0.16
(1,253)	1:72:A:GLN:HB3	1:80:B:ALA:H	12	0.16
(1,164)	1:13:B:ASN:HD22	1:14:B:VAL:H	4	0.16
(1,73)	1:9:A:GLU:HB2	1:13:A:ASN:HD21	3	0.16
(1,2864)	1:40:B:GLU:HG2	1:41:B:LEU:H	15	0.15
(1,2864)	1:40:B:GLU:HG3	1:41:B:LEU:H	15	0.15
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD11	8	0.15
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD12	8	0.15
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD13	8	0.15
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD21	8	0.15
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD22	8	0.15
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD23	8	0.15
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD11	19	0.15
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD12	19	0.15
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD13	19	0.15
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD21	19	0.15
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD22	19	0.15
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD23	19	0.15
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG11	16	0.15
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG12	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG13	16	0.15
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG21	16	0.15
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG22	16	0.15
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG23	16	0.15
(1,2720)	1:91:A:GLU:HG2	1:93:A:SER:H	5	0.15
(1,2720)	1:91:A:GLU:HG3	1:93:A:SER:H	5	0.15
(1,2688)	1:49:A:LYS:HA	1:49:A:LYS:HD2	13	0.15
(1,2688)	1:49:A:LYS:HA	1:49:A:LYS:HD3	13	0.15
(1,2671)	1:41:A:LEU:HD21	1:5:B:GLU:HG2	6	0.15
(1,2671)	1:41:A:LEU:HD21	1:5:B:GLU:HG3	6	0.15
(1,2671)	1:41:A:LEU:HD22	1:5:B:GLU:HG2	6	0.15
(1,2671)	1:41:A:LEU:HD22	1:5:B:GLU:HG3	6	0.15
(1,2671)	1:41:A:LEU:HD23	1:5:B:GLU:HG2	6	0.15
(1,2671)	1:41:A:LEU:HD23	1:5:B:GLU:HG3	6	0.15
(1,2669)	1:40:A:GLU:HG2	1:41:A:LEU:H	2	0.15
(1,2669)	1:40:A:GLU:HG3	1:41:A:LEU:H	2	0.15
(1,2669)	1:40:A:GLU:HG2	1:41:A:LEU:H	15	0.15
(1,2669)	1:40:A:GLU:HG3	1:41:A:LEU:H	15	0.15
(1,2669)	1:40:A:GLU:HG2	1:41:A:LEU:H	17	0.15
(1,2669)	1:40:A:GLU:HG3	1:41:A:LEU:H	17	0.15
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD2	16	0.15
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD3	16	0.15
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG2	8	0.15
(1,2599)	1:28:A:LEU:H	1:68:A:GLU:HG3	8	0.15
(1,2574)	1:18:A:HIS:HB2	1:36:A:LEU:HD11	18	0.15
(1,2574)	1:18:A:HIS:HB2	1:36:A:LEU:HD12	18	0.15
(1,2574)	1:18:A:HIS:HB2	1:36:A:LEU:HD13	18	0.15
(1,2574)	1:18:A:HIS:HB2	1:36:A:LEU:HD21	18	0.15
(1,2574)	1:18:A:HIS:HB2	1:36:A:LEU:HD22	18	0.15
(1,2574)	1:18:A:HIS:HB2	1:36:A:LEU:HD23	18	0.15
(1,2574)	1:18:A:HIS:HB3	1:36:A:LEU:HD11	18	0.15
(1,2574)	1:18:A:HIS:HB3	1:36:A:LEU:HD12	18	0.15
(1,2574)	1:18:A:HIS:HB3	1:36:A:LEU:HD13	18	0.15
(1,2574)	1:18:A:HIS:HB3	1:36:A:LEU:HD21	18	0.15
(1,2574)	1:18:A:HIS:HB3	1:36:A:LEU:HD22	18	0.15
(1,2574)	1:18:A:HIS:HB3	1:36:A:LEU:HD23	18	0.15
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD11	6	0.15
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD12	6	0.15
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD13	6	0.15
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD21	6	0.15
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD22	6	0.15
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD23	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD11	17	0.15
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD12	17	0.15
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD13	17	0.15
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD21	17	0.15
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD22	17	0.15
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD23	17	0.15
(1,2530)	1:5:A:GLU:HG2	1:41:B:LEU:HD21	16	0.15
(1,2530)	1:5:A:GLU:HG2	1:41:B:LEU:HD22	16	0.15
(1,2530)	1:5:A:GLU:HG2	1:41:B:LEU:HD23	16	0.15
(1,2530)	1:5:A:GLU:HG3	1:41:B:LEU:HD21	16	0.15
(1,2530)	1:5:A:GLU:HG3	1:41:B:LEU:HD22	16	0.15
(1,2530)	1:5:A:GLU:HG3	1:41:B:LEU:HD23	16	0.15
(1,2438)	1:60:B:GLU:HA	1:60:B:GLU:HG3	15	0.15
(1,2437)	1:60:A:GLU:HA	1:60:A:GLU:HG3	6	0.15
(1,2437)	1:60:A:GLU:HA	1:60:A:GLU:HG3	8	0.15
(1,2384)	1:22:B:GLU:HA	1:22:B:GLU:HG2	9	0.15
(1,2384)	1:22:B:GLU:HA	1:22:B:GLU:HG3	9	0.15
(1,2384)	1:22:B:GLU:HA	1:22:B:GLU:HG2	16	0.15
(1,2384)	1:22:B:GLU:HA	1:22:B:GLU:HG3	16	0.15
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD11	16	0.15
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD12	16	0.15
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD13	16	0.15
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD11	10	0.15
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD12	10	0.15
(1,2243)	1:73:A:GLU:HA	1:77:A:LEU:HD13	10	0.15
(1,2227)	1:11:A:LEU:HD21	1:4:B:LEU:HA	3	0.15
(1,2227)	1:11:A:LEU:HD22	1:4:B:LEU:HA	3	0.15
(1,2227)	1:11:A:LEU:HD23	1:4:B:LEU:HA	3	0.15
(1,2162)	1:3:B:GLU:HA	1:6:B:THR:HB	7	0.15
(1,2008)	1:30:B:LYS:HA	1:61:B:LEU:HD11	9	0.15
(1,2008)	1:30:B:LYS:HA	1:61:B:LEU:HD12	9	0.15
(1,2008)	1:30:B:LYS:HA	1:61:B:LEU:HD13	9	0.15
(1,1926)	1:21:B:LYS:HB2	1:32:B:GLU:HB2	7	0.15
(1,1926)	1:21:B:LYS:HB3	1:32:B:GLU:HB2	7	0.15
(1,1898)	1:9:B:GLU:HG2	1:10:B:THR:HA	8	0.15
(1,1898)	1:9:B:GLU:HG2	1:10:B:THR:HA	14	0.15
(1,1897)	1:9:A:GLU:HG2	1:10:A:THR:HA	2	0.15
(1,1855)	1:68:A:GLU:HA	1:68:A:GLU:HG3	2	0.15
(1,1855)	1:68:A:GLU:HA	1:68:A:GLU:HG3	3	0.15
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB1	19	0.15
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB2	19	0.15
(1,1804)	1:77:B:LEU:HG	1:80:B:ALA:HB3	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1795)	1:41:A:LEU:HD11	1:44:A:PHE:HD1	5	0.15
(1,1795)	1:41:A:LEU:HD12	1:44:A:PHE:HD1	5	0.15
(1,1795)	1:41:A:LEU:HD13	1:44:A:PHE:HD1	5	0.15
(1,1795)	1:41:A:LEU:HD11	1:44:A:PHE:HD1	8	0.15
(1,1795)	1:41:A:LEU:HD12	1:44:A:PHE:HD1	8	0.15
(1,1795)	1:41:A:LEU:HD13	1:44:A:PHE:HD1	8	0.15
(1,1784)	1:80:B:ALA:HA	1:83:B:VAL:HB	8	0.15
(1,1783)	1:80:A:ALA:HA	1:83:A:VAL:HB	10	0.15
(1,1782)	1:21:B:LYS:HG3	1:32:B:GLU:HB3	6	0.15
(1,1770)	1:21:B:LYS:HD2	1:32:B:GLU:HG3	14	0.15
(1,1770)	1:21:B:LYS:HD3	1:32:B:GLU:HG3	14	0.15
(1,1662)	1:31:B:LYS:HG2	1:32:B:GLU:HB3	17	0.15
(1,1662)	1:31:B:LYS:HG3	1:32:B:GLU:HB3	17	0.15
(1,1661)	1:31:A:LYS:HG2	1:32:A:GLU:HB3	12	0.15
(1,1661)	1:31:A:LYS:HG3	1:32:A:GLU:HB3	12	0.15
(1,1592)	1:77:B:LEU:HD21	1:78:B:VAL:H	15	0.15
(1,1592)	1:77:B:LEU:HD22	1:78:B:VAL:H	15	0.15
(1,1592)	1:77:B:LEU:HD23	1:78:B:VAL:H	15	0.15
(1,1591)	1:77:A:LEU:HD21	1:78:A:VAL:H	8	0.15
(1,1591)	1:77:A:LEU:HD22	1:78:A:VAL:H	8	0.15
(1,1591)	1:77:A:LEU:HD23	1:78:A:VAL:H	8	0.15
(1,1591)	1:77:A:LEU:HD21	1:78:A:VAL:H	10	0.15
(1,1591)	1:77:A:LEU:HD22	1:78:A:VAL:H	10	0.15
(1,1591)	1:77:A:LEU:HD23	1:78:A:VAL:H	10	0.15
(1,1591)	1:77:A:LEU:HD21	1:78:A:VAL:H	12	0.15
(1,1591)	1:77:A:LEU:HD22	1:78:A:VAL:H	12	0.15
(1,1591)	1:77:A:LEU:HD23	1:78:A:VAL:H	12	0.15
(1,1576)	1:29:B:SER:HB3	1:30:B:LYS:HA	13	0.15
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG21	17	0.15
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG22	17	0.15
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG23	17	0.15
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG21	17	0.15
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG22	17	0.15
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG23	17	0.15
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG21	17	0.15
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG22	17	0.15
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG23	17	0.15
(1,1436)	1:31:B:LYS:HG2	1:66:B:ASP:HA	14	0.15
(1,1436)	1:31:B:LYS:HG3	1:66:B:ASP:HA	14	0.15
(1,1415)	1:67:A:GLY:HA3	1:68:A:GLU:HB2	19	0.15
(1,1415)	1:67:A:GLY:HA3	1:68:A:GLU:HB3	19	0.15
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD11	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD12	14	0.15
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD13	14	0.15
(1,1230)	1:72:B:GLN:HG2	1:73:B:GLU:H	3	0.15
(1,1230)	1:72:B:GLN:HG2	1:73:B:GLU:H	12	0.15
(1,1229)	1:72:A:GLN:HG2	1:73:A:GLU:H	2	0.15
(1,1229)	1:72:A:GLN:HG2	1:73:A:GLU:H	17	0.15
(1,1229)	1:72:A:GLN:HG2	1:73:A:GLU:H	19	0.15
(1,1151)	1:28:A:LEU:HD11	1:29:A:SER:H	20	0.15
(1,1151)	1:28:A:LEU:HD12	1:29:A:SER:H	20	0.15
(1,1151)	1:28:A:LEU:HD13	1:29:A:SER:H	20	0.15
(1,1104)	1:9:B:GLU:H	1:9:B:GLU:HB2	3	0.15
(1,1104)	1:9:B:GLU:H	1:9:B:GLU:HB2	11	0.15
(1,1104)	1:9:B:GLU:H	1:9:B:GLU:HB2	17	0.15
(1,1104)	1:9:B:GLU:H	1:9:B:GLU:HB2	18	0.15
(1,1104)	1:9:B:GLU:H	1:9:B:GLU:HB2	19	0.15
(1,1103)	1:9:A:GLU:H	1:9:A:GLU:HB2	1	0.15
(1,1103)	1:9:A:GLU:H	1:9:A:GLU:HB2	2	0.15
(1,1103)	1:9:A:GLU:H	1:9:A:GLU:HB2	12	0.15
(1,1103)	1:9:A:GLU:H	1:9:A:GLU:HB2	14	0.15
(1,1082)	1:6:B:THR:H	1:6:B:THR:HB	10	0.15
(1,1081)	1:6:A:THR:H	1:6:A:THR:HB	2	0.15
(1,1040)	1:9:B:GLU:HB3	1:10:B:THR:H	9	0.15
(1,878)	1:40:B:GLU:H	1:40:B:GLU:HG3	16	0.15
(1,878)	1:40:B:GLU:H	1:40:B:GLU:HG3	18	0.15
(1,878)	1:40:B:GLU:H	1:40:B:GLU:HG3	20	0.15
(1,877)	1:40:A:GLU:H	1:40:A:GLU:HG3	14	0.15
(1,684)	1:13:B:ASN:HA	1:17:B:ALA:H	16	0.15
(1,672)	1:54:B:VAL:HG21	1:57:B:VAL:H	8	0.15
(1,672)	1:54:B:VAL:HG22	1:57:B:VAL:H	8	0.15
(1,672)	1:54:B:VAL:HG23	1:57:B:VAL:H	8	0.15
(1,628)	1:64:B:ASN:HA	1:64:B:ASN:HD22	3	0.15
(1,628)	1:64:B:ASN:HA	1:64:B:ASN:HD22	11	0.15
(1,628)	1:64:B:ASN:HA	1:64:B:ASN:HD22	13	0.15
(1,627)	1:64:A:ASN:HA	1:64:A:ASN:HD22	4	0.15
(1,627)	1:64:A:ASN:HA	1:64:A:ASN:HD22	6	0.15
(1,627)	1:64:A:ASN:HA	1:64:A:ASN:HD22	16	0.15
(1,544)	1:31:B:LYS:H	1:65:B:GLY:H	9	0.15
(1,544)	1:31:B:LYS:H	1:65:B:GLY:H	19	0.15
(1,509)	1:41:A:LEU:HD21	1:5:B:GLU:H	16	0.15
(1,509)	1:41:A:LEU:HD22	1:5:B:GLU:H	16	0.15
(1,509)	1:41:A:LEU:HD23	1:5:B:GLU:H	16	0.15
(1,484)	1:39:B:THR:H	1:41:B:LEU:HB2	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG11	7	0.15
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG12	7	0.15
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG13	7	0.15
(1,459)	1:76:A:VAL:HG11	1:72:B:GLN:HE22	7	0.15
(1,459)	1:76:A:VAL:HG12	1:72:B:GLN:HE22	7	0.15
(1,459)	1:76:A:VAL:HG13	1:72:B:GLN:HE22	7	0.15
(1,456)	1:41:B:LEU:HB3	1:45:B:LEU:H	18	0.15
(1,266)	1:41:B:LEU:HB3	1:44:B:PHE:H	10	0.15
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB2	6	0.15
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB3	6	0.15
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB2	16	0.15
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB3	16	0.15
(1,253)	1:72:A:GLN:HB2	1:80:B:ALA:H	1	0.15
(1,253)	1:72:A:GLN:HB3	1:80:B:ALA:H	1	0.15
(1,253)	1:72:A:GLN:HB2	1:80:B:ALA:H	2	0.15
(1,253)	1:72:A:GLN:HB3	1:80:B:ALA:H	2	0.15
(1,253)	1:72:A:GLN:HB2	1:80:B:ALA:H	3	0.15
(1,253)	1:72:A:GLN:HB3	1:80:B:ALA:H	3	0.15
(1,253)	1:72:A:GLN:HB2	1:80:B:ALA:H	4	0.15
(1,253)	1:72:A:GLN:HB3	1:80:B:ALA:H	4	0.15
(1,253)	1:72:A:GLN:HB2	1:80:B:ALA:H	6	0.15
(1,253)	1:72:A:GLN:HB3	1:80:B:ALA:H	6	0.15
(1,253)	1:72:A:GLN:HB2	1:80:B:ALA:H	9	0.15
(1,253)	1:72:A:GLN:HB3	1:80:B:ALA:H	9	0.15
(1,253)	1:72:A:GLN:HB2	1:80:B:ALA:H	11	0.15
(1,253)	1:72:A:GLN:HB3	1:80:B:ALA:H	11	0.15
(1,253)	1:72:A:GLN:HB2	1:80:B:ALA:H	13	0.15
(1,253)	1:72:A:GLN:HB3	1:80:B:ALA:H	13	0.15
(1,253)	1:72:A:GLN:HB2	1:80:B:ALA:H	14	0.15
(1,253)	1:72:A:GLN:HB3	1:80:B:ALA:H	14	0.15
(1,253)	1:72:A:GLN:HB2	1:80:B:ALA:H	16	0.15
(1,253)	1:72:A:GLN:HB3	1:80:B:ALA:H	16	0.15
(1,253)	1:72:A:GLN:HB2	1:80:B:ALA:H	17	0.15
(1,253)	1:72:A:GLN:HB3	1:80:B:ALA:H	17	0.15
(1,253)	1:72:A:GLN:HB2	1:80:B:ALA:H	18	0.15
(1,253)	1:72:A:GLN:HB3	1:80:B:ALA:H	18	0.15
(1,74)	1:9:B:GLU:HB2	1:13:B:ASN:HD21	14	0.15
(1,2913)	1:91:B:GLU:HG2	1:93:B:SER:H	20	0.14
(1,2913)	1:91:B:GLU:HG3	1:93:B:SER:H	20	0.14
(1,2864)	1:40:B:GLU:HG2	1:41:B:LEU:H	10	0.14
(1,2864)	1:40:B:GLU:HG3	1:41:B:LEU:H	10	0.14
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG2	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG3	12	0.14
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD11	11	0.14
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD12	11	0.14
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD13	11	0.14
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD21	11	0.14
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD22	11	0.14
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD23	11	0.14
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD11	13	0.14
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD12	13	0.14
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD13	13	0.14
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD21	13	0.14
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD22	13	0.14
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD23	13	0.14
(1,2669)	1:40:A:GLU:HG2	1:41:A:LEU:H	7	0.14
(1,2669)	1:40:A:GLU:HG3	1:41:A:LEU:H	7	0.14
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG2	16	0.14
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG3	16	0.14
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD11	7	0.14
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD12	7	0.14
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD13	7	0.14
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD21	7	0.14
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD22	7	0.14
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD23	7	0.14
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD11	9	0.14
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD12	9	0.14
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD13	9	0.14
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD21	9	0.14
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD22	9	0.14
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD23	9	0.14
(1,2555)	1:14:A:VAL:HG11	1:74:A:TYR:HE2	16	0.14
(1,2555)	1:14:A:VAL:HG12	1:74:A:TYR:HE2	16	0.14
(1,2555)	1:14:A:VAL:HG13	1:74:A:TYR:HE2	16	0.14
(1,2555)	1:14:A:VAL:HG21	1:74:A:TYR:HE2	16	0.14
(1,2555)	1:14:A:VAL:HG22	1:74:A:TYR:HE2	16	0.14
(1,2555)	1:14:A:VAL:HG23	1:74:A:TYR:HE2	16	0.14
(1,2500)	1:36:B:LEU:HG	1:74:B:TYR:HE1	15	0.14
(1,2438)	1:60:B:GLU:HA	1:60:B:GLU:HG3	6	0.14
(1,2438)	1:60:B:GLU:HA	1:60:B:GLU:HG3	8	0.14
(1,2438)	1:60:B:GLU:HA	1:60:B:GLU:HG3	19	0.14
(1,2437)	1:60:A:GLU:HA	1:60:A:GLU:HG3	15	0.14
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD11	8	0.14
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD12	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2356)	1:30:B:LYS:HB2	1:61:B:LEU:HD13	8	0.14
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG2	12	0.14
(1,2269)	1:29:A:SER:HB2	1:31:A:LYS:HG3	12	0.14
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD11	2	0.14
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD12	2	0.14
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD13	2	0.14
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD11	6	0.14
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD12	6	0.14
(1,2244)	1:73:B:GLU:HA	1:77:B:LEU:HD13	6	0.14
(1,2228)	1:4:A:LEU:HA	1:11:B:LEU:HD21	14	0.14
(1,2228)	1:4:A:LEU:HA	1:11:B:LEU:HD22	14	0.14
(1,2228)	1:4:A:LEU:HA	1:11:B:LEU:HD23	14	0.14
(1,2227)	1:11:A:LEU:HD21	1:4:B:LEU:HA	16	0.14
(1,2227)	1:11:A:LEU:HD22	1:4:B:LEU:HA	16	0.14
(1,2227)	1:11:A:LEU:HD23	1:4:B:LEU:HA	16	0.14
(1,2164)	1:8:A:MET:HE1	1:78:B:VAL:HB	5	0.14
(1,2164)	1:8:A:MET:HE2	1:78:B:VAL:HB	5	0.14
(1,2164)	1:8:A:MET:HE3	1:78:B:VAL:HB	5	0.14
(1,2164)	1:8:A:MET:HE1	1:78:B:VAL:HB	18	0.14
(1,2164)	1:8:A:MET:HE2	1:78:B:VAL:HB	18	0.14
(1,2164)	1:8:A:MET:HE3	1:78:B:VAL:HB	18	0.14
(1,2108)	1:30:B:LYS:HB3	1:61:B:LEU:HD21	5	0.14
(1,2108)	1:30:B:LYS:HB3	1:61:B:LEU:HD22	5	0.14
(1,2108)	1:30:B:LYS:HB3	1:61:B:LEU:HD23	5	0.14
(1,2008)	1:30:B:LYS:HA	1:61:B:LEU:HD11	13	0.14
(1,2008)	1:30:B:LYS:HA	1:61:B:LEU:HD12	13	0.14
(1,2008)	1:30:B:LYS:HA	1:61:B:LEU:HD13	13	0.14
(1,2007)	1:30:A:LYS:HA	1:61:A:LEU:HD11	13	0.14
(1,2007)	1:30:A:LYS:HA	1:61:A:LEU:HD12	13	0.14
(1,2007)	1:30:A:LYS:HA	1:61:A:LEU:HD13	13	0.14
(1,2004)	1:28:B:LEU:HD21	1:32:B:GLU:HB3	11	0.14
(1,2004)	1:28:B:LEU:HD22	1:32:B:GLU:HB3	11	0.14
(1,2004)	1:28:B:LEU:HD23	1:32:B:GLU:HB3	11	0.14
(1,1962)	1:31:B:LYS:HE2	1:32:B:GLU:HG3	11	0.14
(1,1962)	1:31:B:LYS:HE3	1:32:B:GLU:HG3	11	0.14
(1,1926)	1:21:B:LYS:HB2	1:32:B:GLU:HB2	3	0.14
(1,1926)	1:21:B:LYS:HB3	1:32:B:GLU:HB2	3	0.14
(1,1908)	1:47:B:ALA:HB1	1:49:B:LYS:HG2	19	0.14
(1,1908)	1:47:B:ALA:HB2	1:49:B:LYS:HG2	19	0.14
(1,1908)	1:47:B:ALA:HB3	1:49:B:LYS:HG2	19	0.14
(1,1856)	1:68:B:GLU:HA	1:68:B:GLU:HG3	7	0.14
(1,1796)	1:41:B:LEU:HD11	1:44:B:PHE:HD1	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1796)	1:41:B:LEU:HD12	1:44:B:PHE:HD1	11	0.14
(1,1796)	1:41:B:LEU:HD13	1:44:B:PHE:HD1	11	0.14
(1,1795)	1:41:A:LEU:HD11	1:44:A:PHE:HD1	14	0.14
(1,1795)	1:41:A:LEU:HD12	1:44:A:PHE:HD1	14	0.14
(1,1795)	1:41:A:LEU:HD13	1:44:A:PHE:HD1	14	0.14
(1,1783)	1:80:A:ALA:HA	1:83:A:VAL:HB	1	0.14
(1,1783)	1:80:A:ALA:HA	1:83:A:VAL:HB	16	0.14
(1,1698)	1:11:A:LEU:HG	1:4:B:LEU:HG	15	0.14
(1,1661)	1:31:A:LYS:HG2	1:32:A:GLU:HB3	17	0.14
(1,1661)	1:31:A:LYS:HG3	1:32:A:GLU:HB3	17	0.14
(1,1661)	1:31:A:LYS:HG2	1:32:A:GLU:HB3	18	0.14
(1,1661)	1:31:A:LYS:HG3	1:32:A:GLU:HB3	18	0.14
(1,1639)	1:29:A:SER:HB2	1:31:A:LYS:HB3	15	0.14
(1,1591)	1:77:A:LEU:HD21	1:78:A:VAL:H	2	0.14
(1,1591)	1:77:A:LEU:HD22	1:78:A:VAL:H	2	0.14
(1,1591)	1:77:A:LEU:HD23	1:78:A:VAL:H	2	0.14
(1,1591)	1:77:A:LEU:HD21	1:78:A:VAL:H	5	0.14
(1,1591)	1:77:A:LEU:HD22	1:78:A:VAL:H	5	0.14
(1,1591)	1:77:A:LEU:HD23	1:78:A:VAL:H	5	0.14
(1,1591)	1:77:A:LEU:HD21	1:78:A:VAL:H	16	0.14
(1,1591)	1:77:A:LEU:HD22	1:78:A:VAL:H	16	0.14
(1,1591)	1:77:A:LEU:HD23	1:78:A:VAL:H	16	0.14
(1,1591)	1:77:A:LEU:HD21	1:78:A:VAL:H	17	0.14
(1,1591)	1:77:A:LEU:HD22	1:78:A:VAL:H	17	0.14
(1,1591)	1:77:A:LEU:HD23	1:78:A:VAL:H	17	0.14
(1,1590)	1:24:B:ASP:HA	1:27:B:LYS:HB2	13	0.14
(1,1566)	1:50:B:ASP:H	1:53:B:ALA:HB1	6	0.14
(1,1566)	1:50:B:ASP:H	1:53:B:ALA:HB2	6	0.14
(1,1566)	1:50:B:ASP:H	1:53:B:ALA:HB3	6	0.14
(1,1542)	1:33:B:LEU:HA	1:36:B:LEU:HA	7	0.14
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG21	3	0.14
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG22	3	0.14
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG23	3	0.14
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG21	3	0.14
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG22	3	0.14
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG23	3	0.14
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG21	3	0.14
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG22	3	0.14
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG23	3	0.14
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG21	15	0.14
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG22	15	0.14
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG23	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG21	15	0.14
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG22	15	0.14
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG23	15	0.14
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG21	15	0.14
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG22	15	0.14
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG23	15	0.14
(1,1436)	1:31:B:LYS:HG2	1:66:B:ASP:HA	4	0.14
(1,1436)	1:31:B:LYS:HG3	1:66:B:ASP:HA	4	0.14
(1,1436)	1:31:B:LYS:HG2	1:66:B:ASP:HA	8	0.14
(1,1436)	1:31:B:LYS:HG3	1:66:B:ASP:HA	8	0.14
(1,1435)	1:31:A:LYS:HG2	1:66:A:ASP:HA	7	0.14
(1,1435)	1:31:A:LYS:HG3	1:66:A:ASP:HA	7	0.14
(1,1393)	1:59:A:LYS:HD2	1:60:A:GLU:H	7	0.14
(1,1393)	1:59:A:LYS:HD3	1:60:A:GLU:H	7	0.14
(1,1369)	1:91:A:GLU:H	1:91:A:GLU:HB3	13	0.14
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD11	1	0.14
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD12	1	0.14
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD13	1	0.14
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD11	12	0.14
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD12	12	0.14
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD13	12	0.14
(1,1230)	1:72:B:GLN:HG2	1:73:B:GLU:H	4	0.14
(1,1229)	1:72:A:GLN:HG2	1:73:A:GLU:H	1	0.14
(1,1229)	1:72:A:GLN:HG2	1:73:A:GLU:H	6	0.14
(1,1229)	1:72:A:GLN:HG2	1:73:A:GLU:H	13	0.14
(1,1229)	1:72:A:GLN:HG2	1:73:A:GLU:H	14	0.14
(1,1142)	1:58:B:MET:HB3	1:59:B:LYS:H	9	0.14
(1,1141)	1:58:A:MET:HB3	1:59:A:LYS:H	5	0.14
(1,1104)	1:9:B:GLU:H	1:9:B:GLU:HB2	14	0.14
(1,1103)	1:9:A:GLU:H	1:9:A:GLU:HB2	3	0.14
(1,1103)	1:9:A:GLU:H	1:9:A:GLU:HB2	8	0.14
(1,1103)	1:9:A:GLU:H	1:9:A:GLU:HB2	11	0.14
(1,1103)	1:9:A:GLU:H	1:9:A:GLU:HB2	18	0.14
(1,1103)	1:9:A:GLU:H	1:9:A:GLU:HB2	20	0.14
(1,878)	1:40:B:GLU:H	1:40:B:GLU:HG3	19	0.14
(1,877)	1:40:A:GLU:H	1:40:A:GLU:HG3	15	0.14
(1,796)	1:2:B:SER:H	1:5:B:GLU:HB3	9	0.14
(1,795)	1:2:A:SER:H	1:5:A:GLU:HB3	6	0.14
(1,684)	1:13:B:ASN:HA	1:17:B:ALA:H	20	0.14
(1,628)	1:64:B:ASN:HA	1:64:B:ASN:HD22	17	0.14
(1,627)	1:64:A:ASN:HA	1:64:A:ASN:HD22	2	0.14
(1,627)	1:64:A:ASN:HA	1:64:A:ASN:HD22	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:65:B:GLY:H	1:67:B:GLY:H	17	0.14
(1,619)	1:65:A:GLY:H	1:67:A:GLY:H	8	0.14
(1,619)	1:65:A:GLY:H	1:67:A:GLY:H	14	0.14
(1,544)	1:31:B:LYS:H	1:65:B:GLY:H	12	0.14
(1,544)	1:31:B:LYS:H	1:65:B:GLY:H	13	0.14
(1,544)	1:31:B:LYS:H	1:65:B:GLY:H	18	0.14
(1,543)	1:31:A:LYS:H	1:65:A:GLY:H	7	0.14
(1,543)	1:31:A:LYS:H	1:65:A:GLY:H	10	0.14
(1,514)	1:39:B:THR:H	1:40:B:GLU:HA	6	0.14
(1,459)	1:76:A:VAL:HG11	1:72:B:GLN:HE22	5	0.14
(1,459)	1:76:A:VAL:HG12	1:72:B:GLN:HE22	5	0.14
(1,459)	1:76:A:VAL:HG13	1:72:B:GLN:HE22	5	0.14
(1,357)	1:72:A:GLN:HA	1:80:B:ALA:H	16	0.14
(1,357)	1:72:A:GLN:HA	1:80:B:ALA:H	18	0.14
(1,266)	1:41:B:LEU:HB3	1:44:B:PHE:H	7	0.14
(1,265)	1:41:A:LEU:HB3	1:44:A:PHE:H	1	0.14
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB2	1	0.14
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB3	1	0.14
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB2	7	0.14
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB3	7	0.14
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB2	19	0.14
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB3	19	0.14
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB2	20	0.14
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB3	20	0.14
(1,253)	1:72:A:GLN:HB2	1:80:B:ALA:H	8	0.14
(1,253)	1:72:A:GLN:HB3	1:80:B:ALA:H	8	0.14
(1,2864)	1:40:B:GLU:HG2	1:41:B:LEU:H	13	0.13
(1,2864)	1:40:B:GLU:HG3	1:41:B:LEU:H	13	0.13
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD11	7	0.13
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD12	7	0.13
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD13	7	0.13
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD21	7	0.13
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD22	7	0.13
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD23	7	0.13
(1,2813)	1:30:B:LYS:H	1:30:B:LYS:HD2	20	0.13
(1,2813)	1:30:B:LYS:H	1:30:B:LYS:HD3	20	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD11	6	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD12	6	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD13	6	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD21	6	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD22	6	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD23	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD11	7	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD12	7	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD13	7	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD21	7	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD22	7	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD23	7	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD11	14	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD12	14	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD13	14	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD21	14	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD22	14	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD23	14	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD11	15	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD12	15	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD13	15	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD21	15	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD22	15	0.13
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD23	15	0.13
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG11	20	0.13
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG12	20	0.13
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG13	20	0.13
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG21	20	0.13
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG22	20	0.13
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG23	20	0.13
(1,2669)	1:40:A:GLU:HG2	1:41:A:LEU:H	9	0.13
(1,2669)	1:40:A:GLU:HG3	1:41:A:LEU:H	9	0.13
(1,2665)	1:38:A:GLN:HE22	1:45:A:LEU:HD11	10	0.13
(1,2665)	1:38:A:GLN:HE22	1:45:A:LEU:HD12	10	0.13
(1,2665)	1:38:A:GLN:HE22	1:45:A:LEU:HD13	10	0.13
(1,2665)	1:38:A:GLN:HE22	1:45:A:LEU:HD21	10	0.13
(1,2665)	1:38:A:GLN:HE22	1:45:A:LEU:HD22	10	0.13
(1,2665)	1:38:A:GLN:HE22	1:45:A:LEU:HD23	10	0.13
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD11	13	0.13
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD12	13	0.13
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD13	13	0.13
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD21	13	0.13
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD22	13	0.13
(1,2572)	1:18:A:HIS:HA	1:36:A:LEU:HD23	13	0.13
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG11	8	0.13
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG12	8	0.13
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG13	8	0.13
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG21	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG22	8	0.13
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG23	8	0.13
(1,2530)	1:5:A:GLU:HG2	1:41:B:LEU:HD21	10	0.13
(1,2530)	1:5:A:GLU:HG2	1:41:B:LEU:HD22	10	0.13
(1,2530)	1:5:A:GLU:HG2	1:41:B:LEU:HD23	10	0.13
(1,2530)	1:5:A:GLU:HG3	1:41:B:LEU:HD21	10	0.13
(1,2530)	1:5:A:GLU:HG3	1:41:B:LEU:HD22	10	0.13
(1,2530)	1:5:A:GLU:HG3	1:41:B:LEU:HD23	10	0.13
(1,2464)	1:41:B:LEU:HG	1:44:B:PHE:HD1	16	0.13
(1,2438)	1:60:B:GLU:HA	1:60:B:GLU:HG3	9	0.13
(1,2438)	1:60:B:GLU:HA	1:60:B:GLU:HG3	11	0.13
(1,2437)	1:60:A:GLU:HA	1:60:A:GLU:HG3	5	0.13
(1,2384)	1:22:B:GLU:HA	1:22:B:GLU:HG2	17	0.13
(1,2384)	1:22:B:GLU:HA	1:22:B:GLU:HG3	17	0.13
(1,2381)	1:4:A:LEU:HD21	1:7:A:ALA:HB1	1	0.13
(1,2381)	1:4:A:LEU:HD21	1:7:A:ALA:HB2	1	0.13
(1,2381)	1:4:A:LEU:HD21	1:7:A:ALA:HB3	1	0.13
(1,2381)	1:4:A:LEU:HD22	1:7:A:ALA:HB1	1	0.13
(1,2381)	1:4:A:LEU:HD22	1:7:A:ALA:HB2	1	0.13
(1,2381)	1:4:A:LEU:HD22	1:7:A:ALA:HB3	1	0.13
(1,2381)	1:4:A:LEU:HD23	1:7:A:ALA:HB1	1	0.13
(1,2381)	1:4:A:LEU:HD23	1:7:A:ALA:HB2	1	0.13
(1,2381)	1:4:A:LEU:HD23	1:7:A:ALA:HB3	1	0.13
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD11	2	0.13
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD12	2	0.13
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD13	2	0.13
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD11	14	0.13
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD12	14	0.13
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD13	14	0.13
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD11	17	0.13
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD12	17	0.13
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD13	17	0.13
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG2	19	0.13
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG3	19	0.13
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG2	1	0.13
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG3	1	0.13
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG2	4	0.13
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG3	4	0.13
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG2	7	0.13
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG3	7	0.13
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG2	9	0.13
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG3	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG2	20	0.13
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG3	20	0.13
(1,2228)	1:4:A:LEU:HA	1:11:B:LEU:HD21	11	0.13
(1,2228)	1:4:A:LEU:HA	1:11:B:LEU:HD22	11	0.13
(1,2228)	1:4:A:LEU:HA	1:11:B:LEU:HD23	11	0.13
(1,2227)	1:11:A:LEU:HD21	1:4:B:LEU:HA	18	0.13
(1,2227)	1:11:A:LEU:HD22	1:4:B:LEU:HA	18	0.13
(1,2227)	1:11:A:LEU:HD23	1:4:B:LEU:HA	18	0.13
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG21	17	0.13
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG22	17	0.13
(1,2220)	1:3:B:GLU:HA	1:6:B:THR:HG23	17	0.13
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE1	3	0.13
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE2	3	0.13
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE3	3	0.13
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE1	11	0.13
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE2	11	0.13
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE3	11	0.13
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE1	16	0.13
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE2	16	0.13
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE3	16	0.13
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE1	20	0.13
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE2	20	0.13
(1,2163)	1:78:A:VAL:HB	1:8:B:MET:HE3	20	0.13
(1,2106)	1:4:A:LEU:HD11	1:14:B:VAL:HB	19	0.13
(1,2106)	1:4:A:LEU:HD12	1:14:B:VAL:HB	19	0.13
(1,2106)	1:4:A:LEU:HD13	1:14:B:VAL:HB	19	0.13
(1,2037)	1:30:A:LYS:HB3	1:61:A:LEU:HA	3	0.13
(1,2018)	1:28:B:LEU:HD21	1:32:B:GLU:HA	5	0.13
(1,2018)	1:28:B:LEU:HD22	1:32:B:GLU:HA	5	0.13
(1,2018)	1:28:B:LEU:HD23	1:32:B:GLU:HA	5	0.13
(1,2017)	1:28:A:LEU:HD21	1:32:A:GLU:HA	16	0.13
(1,2017)	1:28:A:LEU:HD22	1:32:A:GLU:HA	16	0.13
(1,2017)	1:28:A:LEU:HD23	1:32:A:GLU:HA	16	0.13
(1,2007)	1:30:A:LYS:HA	1:61:A:LEU:HD11	10	0.13
(1,2007)	1:30:A:LYS:HA	1:61:A:LEU:HD12	10	0.13
(1,2007)	1:30:A:LYS:HA	1:61:A:LEU:HD13	10	0.13
(1,2004)	1:28:B:LEU:HD21	1:32:B:GLU:HB3	2	0.13
(1,2004)	1:28:B:LEU:HD22	1:32:B:GLU:HB3	2	0.13
(1,2004)	1:28:B:LEU:HD23	1:32:B:GLU:HB3	2	0.13
(1,2003)	1:28:A:LEU:HD21	1:32:A:GLU:HB3	16	0.13
(1,2003)	1:28:A:LEU:HD22	1:32:A:GLU:HB3	16	0.13
(1,2003)	1:28:A:LEU:HD23	1:32:A:GLU:HB3	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1925)	1:21:A:LYS:HB2	1:32:A:GLU:HB2	19	0.13
(1,1925)	1:21:A:LYS:HB3	1:32:A:GLU:HB2	19	0.13
(1,1918)	1:21:B:LYS:HD2	1:32:B:GLU:HB3	10	0.13
(1,1918)	1:21:B:LYS:HD3	1:32:B:GLU:HB3	10	0.13
(1,1908)	1:47:B:ALA:HB1	1:49:B:LYS:HG2	12	0.13
(1,1908)	1:47:B:ALA:HB2	1:49:B:LYS:HG2	12	0.13
(1,1908)	1:47:B:ALA:HB3	1:49:B:LYS:HG2	12	0.13
(1,1898)	1:9:B:GLU:HG2	1:10:B:THR:HA	7	0.13
(1,1834)	1:68:B:GLU:HA	1:68:B:GLU:HG2	4	0.13
(1,1834)	1:68:B:GLU:HA	1:68:B:GLU:HG2	15	0.13
(1,1806)	1:53:B:ALA:HB1	1:81:B:LEU:HA	9	0.13
(1,1806)	1:53:B:ALA:HB2	1:81:B:LEU:HA	9	0.13
(1,1806)	1:53:B:ALA:HB3	1:81:B:LEU:HA	9	0.13
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB1	10	0.13
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB2	10	0.13
(1,1803)	1:77:A:LEU:HG	1:80:A:ALA:HB3	10	0.13
(1,1796)	1:41:B:LEU:HD11	1:44:B:PHE:HD1	1	0.13
(1,1796)	1:41:B:LEU:HD12	1:44:B:PHE:HD1	1	0.13
(1,1796)	1:41:B:LEU:HD13	1:44:B:PHE:HD1	1	0.13
(1,1796)	1:41:B:LEU:HD11	1:44:B:PHE:HD1	2	0.13
(1,1796)	1:41:B:LEU:HD12	1:44:B:PHE:HD1	2	0.13
(1,1796)	1:41:B:LEU:HD13	1:44:B:PHE:HD1	2	0.13
(1,1795)	1:41:A:LEU:HD11	1:44:A:PHE:HD1	12	0.13
(1,1795)	1:41:A:LEU:HD12	1:44:A:PHE:HD1	12	0.13
(1,1795)	1:41:A:LEU:HD13	1:44:A:PHE:HD1	12	0.13
(1,1698)	1:11:A:LEU:HG	1:4:B:LEU:HG	10	0.13
(1,1697)	1:4:A:LEU:HG	1:11:B:LEU:HG	19	0.13
(1,1692)	1:29:B:SER:HA	1:68:B:GLU:HG3	4	0.13
(1,1661)	1:31:A:LYS:HG2	1:32:A:GLU:HB3	19	0.13
(1,1661)	1:31:A:LYS:HG3	1:32:A:GLU:HB3	19	0.13
(1,1592)	1:77:B:LEU:HD21	1:78:B:VAL:H	5	0.13
(1,1592)	1:77:B:LEU:HD22	1:78:B:VAL:H	5	0.13
(1,1592)	1:77:B:LEU:HD23	1:78:B:VAL:H	5	0.13
(1,1592)	1:77:B:LEU:HD21	1:78:B:VAL:H	6	0.13
(1,1592)	1:77:B:LEU:HD22	1:78:B:VAL:H	6	0.13
(1,1592)	1:77:B:LEU:HD23	1:78:B:VAL:H	6	0.13
(1,1592)	1:77:B:LEU:HD21	1:78:B:VAL:H	8	0.13
(1,1592)	1:77:B:LEU:HD22	1:78:B:VAL:H	8	0.13
(1,1592)	1:77:B:LEU:HD23	1:78:B:VAL:H	8	0.13
(1,1592)	1:77:B:LEU:HD21	1:78:B:VAL:H	19	0.13
(1,1592)	1:77:B:LEU:HD22	1:78:B:VAL:H	19	0.13
(1,1592)	1:77:B:LEU:HD23	1:78:B:VAL:H	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1591)	1:77:A:LEU:HD21	1:78:A:VAL:H	1	0.13
(1,1591)	1:77:A:LEU:HD22	1:78:A:VAL:H	1	0.13
(1,1591)	1:77:A:LEU:HD23	1:78:A:VAL:H	1	0.13
(1,1591)	1:77:A:LEU:HD21	1:78:A:VAL:H	7	0.13
(1,1591)	1:77:A:LEU:HD22	1:78:A:VAL:H	7	0.13
(1,1591)	1:77:A:LEU:HD23	1:78:A:VAL:H	7	0.13
(1,1591)	1:77:A:LEU:HD21	1:78:A:VAL:H	13	0.13
(1,1591)	1:77:A:LEU:HD22	1:78:A:VAL:H	13	0.13
(1,1591)	1:77:A:LEU:HD23	1:78:A:VAL:H	13	0.13
(1,1591)	1:77:A:LEU:HD21	1:78:A:VAL:H	15	0.13
(1,1591)	1:77:A:LEU:HD22	1:78:A:VAL:H	15	0.13
(1,1591)	1:77:A:LEU:HD23	1:78:A:VAL:H	15	0.13
(1,1576)	1:29:B:SER:HB3	1:30:B:LYS:HA	1	0.13
(1,1575)	1:29:A:SER:HB3	1:30:A:LYS:HA	9	0.13
(1,1566)	1:50:B:ASP:H	1:53:B:ALA:HB1	18	0.13
(1,1566)	1:50:B:ASP:H	1:53:B:ALA:HB2	18	0.13
(1,1566)	1:50:B:ASP:H	1:53:B:ALA:HB3	18	0.13
(1,1565)	1:50:A:ASP:H	1:53:A:ALA:HB1	20	0.13
(1,1565)	1:50:A:ASP:H	1:53:A:ALA:HB2	20	0.13
(1,1565)	1:50:A:ASP:H	1:53:A:ALA:HB3	20	0.13
(1,1369)	1:91:A:GLU:H	1:91:A:GLU:HB3	5	0.13
(1,1230)	1:72:B:GLN:HG2	1:73:B:GLU:H	2	0.13
(1,1142)	1:58:B:MET:HB3	1:59:B:LYS:H	13	0.13
(1,1104)	1:9:B:GLU:H	1:9:B:GLU:HB2	7	0.13
(1,1104)	1:9:B:GLU:H	1:9:B:GLU:HB2	8	0.13
(1,1103)	1:9:A:GLU:H	1:9:A:GLU:HB2	10	0.13
(1,988)	1:12:B:ILE:HA	1:15:B:PHE:H	7	0.13
(1,877)	1:40:A:GLU:H	1:40:A:GLU:HG3	8	0.13
(1,877)	1:40:A:GLU:H	1:40:A:GLU:HG3	18	0.13
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD11	2	0.13
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD12	2	0.13
(1,844)	1:74:B:TYR:H	1:77:B:LEU:HD13	2	0.13
(1,759)	1:60:A:GLU:HG3	1:64:A:ASN:HD21	7	0.13
(1,684)	1:13:B:ASN:HA	1:17:B:ALA:H	6	0.13
(1,672)	1:54:B:VAL:HG21	1:57:B:VAL:H	16	0.13
(1,672)	1:54:B:VAL:HG22	1:57:B:VAL:H	16	0.13
(1,672)	1:54:B:VAL:HG23	1:57:B:VAL:H	16	0.13
(1,671)	1:54:A:VAL:HG21	1:57:A:VAL:H	17	0.13
(1,671)	1:54:A:VAL:HG22	1:57:A:VAL:H	17	0.13
(1,671)	1:54:A:VAL:HG23	1:57:A:VAL:H	17	0.13
(1,671)	1:54:A:VAL:HG21	1:57:A:VAL:H	18	0.13
(1,671)	1:54:A:VAL:HG22	1:57:A:VAL:H	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,671)	1:54:A:VAL:HG23	1:57:A:VAL:H	18	0.13
(1,628)	1:64:B:ASN:HA	1:64:B:ASN:HD22	2	0.13
(1,628)	1:64:B:ASN:HA	1:64:B:ASN:HD22	15	0.13
(1,627)	1:64:A:ASN:HA	1:64:A:ASN:HD22	8	0.13
(1,627)	1:64:A:ASN:HA	1:64:A:ASN:HD22	19	0.13
(1,620)	1:65:B:GLY:H	1:67:B:GLY:H	16	0.13
(1,455)	1:41:A:LEU:HB3	1:45:A:LEU:H	10	0.13
(1,357)	1:72:A:GLN:HA	1:80:B:ALA:H	17	0.13
(1,266)	1:41:B:LEU:HB3	1:44:B:PHE:H	11	0.13
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB2	8	0.13
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB3	8	0.13
(1,253)	1:72:A:GLN:HB2	1:80:B:ALA:H	5	0.13
(1,253)	1:72:A:GLN:HB3	1:80:B:ALA:H	5	0.13
(1,253)	1:72:A:GLN:HB2	1:80:B:ALA:H	7	0.13
(1,253)	1:72:A:GLN:HB3	1:80:B:ALA:H	7	0.13
(1,253)	1:72:A:GLN:HB2	1:80:B:ALA:H	20	0.13
(1,253)	1:72:A:GLN:HB3	1:80:B:ALA:H	20	0.13
(1,164)	1:13:B:ASN:HD22	1:14:B:VAL:H	20	0.13
(1,128)	1:7:B:ALA:H	1:9:B:GLU:HB3	9	0.13
(1,73)	1:9:A:GLU:HB2	1:13:A:ASN:HD21	12	0.13
(1,45)	1:61:A:LEU:HD11	1:66:A:ASP:H	16	0.13
(1,45)	1:61:A:LEU:HD12	1:66:A:ASP:H	16	0.13
(1,45)	1:61:A:LEU:HD13	1:66:A:ASP:H	16	0.13
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD11	16	0.12
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD12	16	0.12
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD13	16	0.12
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD21	16	0.12
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD22	16	0.12
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD23	16	0.12
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG2	15	0.12
(1,2812)	1:29:B:SER:HB3	1:68:B:GLU:HG3	15	0.12
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD11	2	0.12
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD12	2	0.12
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD13	2	0.12
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD21	2	0.12
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD22	2	0.12
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD23	2	0.12
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD11	9	0.12
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD12	9	0.12
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD13	9	0.12
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD21	9	0.12
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD22	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2767)	1:18:B:HIS:HA	1:36:B:LEU:HD23	9	0.12
(1,2671)	1:41:A:LEU:HD21	1:5:B:GLU:HG2	2	0.12
(1,2671)	1:41:A:LEU:HD21	1:5:B:GLU:HG3	2	0.12
(1,2671)	1:41:A:LEU:HD22	1:5:B:GLU:HG2	2	0.12
(1,2671)	1:41:A:LEU:HD22	1:5:B:GLU:HG3	2	0.12
(1,2671)	1:41:A:LEU:HD23	1:5:B:GLU:HG2	2	0.12
(1,2671)	1:41:A:LEU:HD23	1:5:B:GLU:HG3	2	0.12
(1,2671)	1:41:A:LEU:HD21	1:5:B:GLU:HG2	17	0.12
(1,2671)	1:41:A:LEU:HD21	1:5:B:GLU:HG3	17	0.12
(1,2671)	1:41:A:LEU:HD22	1:5:B:GLU:HG2	17	0.12
(1,2671)	1:41:A:LEU:HD22	1:5:B:GLU:HG3	17	0.12
(1,2671)	1:41:A:LEU:HD23	1:5:B:GLU:HG2	17	0.12
(1,2671)	1:41:A:LEU:HD23	1:5:B:GLU:HG3	17	0.12
(1,2665)	1:38:A:GLN:HE22	1:45:A:LEU:HD11	16	0.12
(1,2665)	1:38:A:GLN:HE22	1:45:A:LEU:HD12	16	0.12
(1,2665)	1:38:A:GLN:HE22	1:45:A:LEU:HD13	16	0.12
(1,2665)	1:38:A:GLN:HE22	1:45:A:LEU:HD21	16	0.12
(1,2665)	1:38:A:GLN:HE22	1:45:A:LEU:HD22	16	0.12
(1,2665)	1:38:A:GLN:HE22	1:45:A:LEU:HD23	16	0.12
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG11	10	0.12
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG12	10	0.12
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG13	10	0.12
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG21	10	0.12
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG22	10	0.12
(1,2541)	1:13:A:ASN:HD21	1:14:A:VAL:HG23	10	0.12
(1,2530)	1:5:A:GLU:HG2	1:41:B:LEU:HD21	7	0.12
(1,2530)	1:5:A:GLU:HG2	1:41:B:LEU:HD22	7	0.12
(1,2530)	1:5:A:GLU:HG2	1:41:B:LEU:HD23	7	0.12
(1,2530)	1:5:A:GLU:HG3	1:41:B:LEU:HD21	7	0.12
(1,2530)	1:5:A:GLU:HG3	1:41:B:LEU:HD22	7	0.12
(1,2530)	1:5:A:GLU:HG3	1:41:B:LEU:HD23	7	0.12
(1,2463)	1:41:A:LEU:HG	1:44:A:PHE:HD1	3	0.12
(1,2438)	1:60:B:GLU:HA	1:60:B:GLU:HG3	17	0.12
(1,2437)	1:60:A:GLU:HA	1:60:A:GLU:HG3	12	0.12
(1,2437)	1:60:A:GLU:HA	1:60:A:GLU:HG3	14	0.12
(1,2437)	1:60:A:GLU:HA	1:60:A:GLU:HG3	16	0.12
(1,2384)	1:22:B:GLU:HA	1:22:B:GLU:HG2	7	0.12
(1,2384)	1:22:B:GLU:HA	1:22:B:GLU:HG3	7	0.12
(1,2384)	1:22:B:GLU:HA	1:22:B:GLU:HG2	13	0.12
(1,2384)	1:22:B:GLU:HA	1:22:B:GLU:HG3	13	0.12
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD11	8	0.12
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD12	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD13	8	0.12
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD11	17	0.12
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD12	17	0.12
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD13	17	0.12
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG2	1	0.12
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG3	1	0.12
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG2	3	0.12
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG3	3	0.12
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG2	10	0.12
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG3	10	0.12
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG2	12	0.12
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG3	12	0.12
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG2	13	0.12
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG3	13	0.12
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG2	15	0.12
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG3	15	0.12
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG2	16	0.12
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG3	16	0.12
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG2	20	0.12
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG3	20	0.12
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG2	3	0.12
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG3	3	0.12
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG2	5	0.12
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG3	5	0.12
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG2	10	0.12
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG3	10	0.12
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG2	11	0.12
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG3	11	0.12
(1,2228)	1:4:A:LEU:HA	1:11:B:LEU:HD21	16	0.12
(1,2228)	1:4:A:LEU:HA	1:11:B:LEU:HD22	16	0.12
(1,2228)	1:4:A:LEU:HA	1:11:B:LEU:HD23	16	0.12
(1,2164)	1:8:A:MET:HE1	1:78:B:VAL:HB	7	0.12
(1,2164)	1:8:A:MET:HE2	1:78:B:VAL:HB	7	0.12
(1,2164)	1:8:A:MET:HE3	1:78:B:VAL:HB	7	0.12
(1,2007)	1:30:A:LYS:HA	1:61:A:LEU:HD11	12	0.12
(1,2007)	1:30:A:LYS:HA	1:61:A:LEU:HD12	12	0.12
(1,2007)	1:30:A:LYS:HA	1:61:A:LEU:HD13	12	0.12
(1,2004)	1:28:B:LEU:HD21	1:32:B:GLU:HB3	17	0.12
(1,2004)	1:28:B:LEU:HD22	1:32:B:GLU:HB3	17	0.12
(1,2004)	1:28:B:LEU:HD23	1:32:B:GLU:HB3	17	0.12
(1,1971)	1:44:A:PHE:HZ	1:82:A:THR:HG21	15	0.12
(1,1971)	1:44:A:PHE:HZ	1:82:A:THR:HG22	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1971)	1:44:A:PHE:HZ	1:82:A:THR:HG23	15	0.12
(1,1961)	1:31:A:LYS:HE2	1:32:A:GLU:HG3	19	0.12
(1,1961)	1:31:A:LYS:HE3	1:32:A:GLU:HG3	19	0.12
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB1	12	0.12
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB2	12	0.12
(1,1960)	1:13:B:ASN:HA	1:17:B:ALA:HB3	12	0.12
(1,1897)	1:9:A:GLU:HG2	1:10:A:THR:HA	5	0.12
(1,1869)	1:12:A:ILE:HG21	1:71:A:PHE:HE1	10	0.12
(1,1869)	1:12:A:ILE:HG22	1:71:A:PHE:HE1	10	0.12
(1,1869)	1:12:A:ILE:HG23	1:71:A:PHE:HE1	10	0.12
(1,1834)	1:68:B:GLU:HA	1:68:B:GLU:HG2	1	0.12
(1,1806)	1:53:B:ALA:HB1	1:81:B:LEU:HA	19	0.12
(1,1806)	1:53:B:ALA:HB2	1:81:B:LEU:HA	19	0.12
(1,1806)	1:53:B:ALA:HB3	1:81:B:LEU:HA	19	0.12
(1,1805)	1:53:A:ALA:HB1	1:81:A:LEU:HA	8	0.12
(1,1805)	1:53:A:ALA:HB2	1:81:A:LEU:HA	8	0.12
(1,1805)	1:53:A:ALA:HB3	1:81:A:LEU:HA	8	0.12
(1,1796)	1:41:B:LEU:HD11	1:44:B:PHE:HD1	20	0.12
(1,1796)	1:41:B:LEU:HD12	1:44:B:PHE:HD1	20	0.12
(1,1796)	1:41:B:LEU:HD13	1:44:B:PHE:HD1	20	0.12
(1,1795)	1:41:A:LEU:HD11	1:44:A:PHE:HD1	10	0.12
(1,1795)	1:41:A:LEU:HD12	1:44:A:PHE:HD1	10	0.12
(1,1795)	1:41:A:LEU:HD13	1:44:A:PHE:HD1	10	0.12
(1,1784)	1:80:B:ALA:HA	1:83:B:VAL:HB	5	0.12
(1,1770)	1:21:B:LYS:HD2	1:32:B:GLU:HG3	4	0.12
(1,1770)	1:21:B:LYS:HD3	1:32:B:GLU:HG3	4	0.12
(1,1661)	1:31:A:LYS:HG2	1:32:A:GLU:HB3	14	0.12
(1,1661)	1:31:A:LYS:HG3	1:32:A:GLU:HB3	14	0.12
(1,1661)	1:31:A:LYS:HG2	1:32:A:GLU:HB3	16	0.12
(1,1661)	1:31:A:LYS:HG3	1:32:A:GLU:HB3	16	0.12
(1,1592)	1:77:B:LEU:HD21	1:78:B:VAL:H	9	0.12
(1,1592)	1:77:B:LEU:HD22	1:78:B:VAL:H	9	0.12
(1,1592)	1:77:B:LEU:HD23	1:78:B:VAL:H	9	0.12
(1,1592)	1:77:B:LEU:HD21	1:78:B:VAL:H	11	0.12
(1,1592)	1:77:B:LEU:HD22	1:78:B:VAL:H	11	0.12
(1,1592)	1:77:B:LEU:HD23	1:78:B:VAL:H	11	0.12
(1,1592)	1:77:B:LEU:HD21	1:78:B:VAL:H	12	0.12
(1,1592)	1:77:B:LEU:HD22	1:78:B:VAL:H	12	0.12
(1,1592)	1:77:B:LEU:HD23	1:78:B:VAL:H	12	0.12
(1,1591)	1:77:A:LEU:HD21	1:78:A:VAL:H	4	0.12
(1,1591)	1:77:A:LEU:HD22	1:78:A:VAL:H	4	0.12
(1,1591)	1:77:A:LEU:HD23	1:78:A:VAL:H	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1589)	1:24:A:ASP:HA	1:27:A:LYS:HB2	7	0.12
(1,1576)	1:29:B:SER:HB3	1:30:B:LYS:HA	19	0.12
(1,1566)	1:50:B:ASP:H	1:53:B:ALA:HB1	8	0.12
(1,1566)	1:50:B:ASP:H	1:53:B:ALA:HB2	8	0.12
(1,1566)	1:50:B:ASP:H	1:53:B:ALA:HB3	8	0.12
(1,1565)	1:50:A:ASP:H	1:53:A:ALA:HB1	7	0.12
(1,1565)	1:50:A:ASP:H	1:53:A:ALA:HB2	7	0.12
(1,1565)	1:50:A:ASP:H	1:53:A:ALA:HB3	7	0.12
(1,1542)	1:33:B:LEU:HA	1:36:B:LEU:HA	20	0.12
(1,1541)	1:33:A:LEU:HA	1:36:A:LEU:HA	18	0.12
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG21	10	0.12
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG22	10	0.12
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG23	10	0.12
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG21	10	0.12
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG22	10	0.12
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG23	10	0.12
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG21	10	0.12
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG22	10	0.12
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG23	10	0.12
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG21	19	0.12
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG22	19	0.12
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG23	19	0.12
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG21	19	0.12
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG22	19	0.12
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG23	19	0.12
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG21	19	0.12
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG22	19	0.12
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG23	19	0.12
(1,1415)	1:67:A:GLY:HA3	1:68:A:GLU:HB2	4	0.12
(1,1415)	1:67:A:GLY:HA3	1:68:A:GLU:HB3	4	0.12
(1,1369)	1:91:A:GLU:H	1:91:A:GLU:HB3	12	0.12
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD11	8	0.12
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD12	8	0.12
(1,1324)	1:77:B:LEU:H	1:77:B:LEU:HD13	8	0.12
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD11	2	0.12
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD12	2	0.12
(1,1323)	1:77:A:LEU:H	1:77:A:LEU:HD13	2	0.12
(1,1230)	1:72:B:GLN:HG2	1:73:B:GLU:H	7	0.12
(1,1230)	1:72:B:GLN:HG2	1:73:B:GLU:H	19	0.12
(1,1141)	1:58:A:MET:HB3	1:59:A:LYS:H	10	0.12
(1,1141)	1:58:A:MET:HB3	1:59:A:LYS:H	12	0.12
(1,1104)	1:9:B:GLU:H	1:9:B:GLU:HB2	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:6:A:THR:H	1:6:A:THR:HB	10	0.12
(1,811)	1:80:A:ALA:H	1:81:A:LEU:HB2	19	0.12
(1,768)	1:74:B:TYR:H	1:76:B:VAL:H	14	0.12
(1,672)	1:54:B:VAL:HG21	1:57:B:VAL:H	1	0.12
(1,672)	1:54:B:VAL:HG22	1:57:B:VAL:H	1	0.12
(1,672)	1:54:B:VAL:HG23	1:57:B:VAL:H	1	0.12
(1,672)	1:54:B:VAL:HG21	1:57:B:VAL:H	6	0.12
(1,672)	1:54:B:VAL:HG22	1:57:B:VAL:H	6	0.12
(1,672)	1:54:B:VAL:HG23	1:57:B:VAL:H	6	0.12
(1,672)	1:54:B:VAL:HG21	1:57:B:VAL:H	13	0.12
(1,672)	1:54:B:VAL:HG22	1:57:B:VAL:H	13	0.12
(1,672)	1:54:B:VAL:HG23	1:57:B:VAL:H	13	0.12
(1,671)	1:54:A:VAL:HG21	1:57:A:VAL:H	2	0.12
(1,671)	1:54:A:VAL:HG22	1:57:A:VAL:H	2	0.12
(1,671)	1:54:A:VAL:HG23	1:57:A:VAL:H	2	0.12
(1,628)	1:64:B:ASN:HA	1:64:B:ASN:HD22	12	0.12
(1,628)	1:64:B:ASN:HA	1:64:B:ASN:HD22	14	0.12
(1,628)	1:64:B:ASN:HA	1:64:B:ASN:HD22	20	0.12
(1,627)	1:64:A:ASN:HA	1:64:A:ASN:HD22	12	0.12
(1,627)	1:64:A:ASN:HA	1:64:A:ASN:HD22	15	0.12
(1,627)	1:64:A:ASN:HA	1:64:A:ASN:HD22	20	0.12
(1,558)	1:14:B:VAL:H	1:17:B:ALA:H	9	0.12
(1,558)	1:14:B:VAL:H	1:17:B:ALA:H	16	0.12
(1,557)	1:14:A:VAL:H	1:17:A:ALA:H	3	0.12
(1,544)	1:31:B:LYS:H	1:65:B:GLY:H	7	0.12
(1,544)	1:31:B:LYS:H	1:65:B:GLY:H	10	0.12
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG11	16	0.12
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG12	16	0.12
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG13	16	0.12
(1,456)	1:41:B:LEU:HB3	1:45:B:LEU:H	3	0.12
(1,358)	1:80:A:ALA:H	1:72:B:GLN:HA	7	0.12
(1,358)	1:80:A:ALA:H	1:72:B:GLN:HA	20	0.12
(1,357)	1:72:A:GLN:HA	1:80:B:ALA:H	2	0.12
(1,357)	1:72:A:GLN:HA	1:80:B:ALA:H	3	0.12
(1,357)	1:72:A:GLN:HA	1:80:B:ALA:H	13	0.12
(1,163)	1:13:A:ASN:HD22	1:14:A:VAL:H	5	0.12
(1,127)	1:7:A:ALA:H	1:9:A:GLU:HB3	6	0.12
(1,46)	1:61:B:LEU:HD11	1:66:B:ASP:H	5	0.12
(1,46)	1:61:B:LEU:HD12	1:66:B:ASP:H	5	0.12
(1,46)	1:61:B:LEU:HD13	1:66:B:ASP:H	5	0.12
(1,45)	1:61:A:LEU:HD11	1:66:A:ASP:H	10	0.12
(1,45)	1:61:A:LEU:HD12	1:66:A:ASP:H	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:61:A:LEU:HD13	1:66:A:ASP:H	10	0.12
(1,40)	1:10:B:THR:H	1:13:B:ASN:HD22	7	0.12
(1,2864)	1:40:B:GLU:HG2	1:41:B:LEU:H	5	0.11
(1,2864)	1:40:B:GLU:HG3	1:41:B:LEU:H	5	0.11
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD11	10	0.11
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD12	10	0.11
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD13	10	0.11
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD21	10	0.11
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD22	10	0.11
(1,2860)	1:38:B:GLN:HE22	1:45:B:LEU:HD23	10	0.11
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG2	14	0.11
(1,2794)	1:28:B:LEU:H	1:68:B:GLU:HG3	14	0.11
(1,2747)	1:14:B:VAL:HG11	1:17:B:ALA:HB1	10	0.11
(1,2747)	1:14:B:VAL:HG11	1:17:B:ALA:HB2	10	0.11
(1,2747)	1:14:B:VAL:HG11	1:17:B:ALA:HB3	10	0.11
(1,2747)	1:14:B:VAL:HG12	1:17:B:ALA:HB1	10	0.11
(1,2747)	1:14:B:VAL:HG12	1:17:B:ALA:HB2	10	0.11
(1,2747)	1:14:B:VAL:HG12	1:17:B:ALA:HB3	10	0.11
(1,2747)	1:14:B:VAL:HG13	1:17:B:ALA:HB1	10	0.11
(1,2747)	1:14:B:VAL:HG13	1:17:B:ALA:HB2	10	0.11
(1,2747)	1:14:B:VAL:HG13	1:17:B:ALA:HB3	10	0.11
(1,2747)	1:14:B:VAL:HG21	1:17:B:ALA:HB1	10	0.11
(1,2747)	1:14:B:VAL:HG21	1:17:B:ALA:HB2	10	0.11
(1,2747)	1:14:B:VAL:HG21	1:17:B:ALA:HB3	10	0.11
(1,2747)	1:14:B:VAL:HG22	1:17:B:ALA:HB1	10	0.11
(1,2747)	1:14:B:VAL:HG22	1:17:B:ALA:HB2	10	0.11
(1,2747)	1:14:B:VAL:HG22	1:17:B:ALA:HB3	10	0.11
(1,2747)	1:14:B:VAL:HG23	1:17:B:ALA:HB1	10	0.11
(1,2747)	1:14:B:VAL:HG23	1:17:B:ALA:HB2	10	0.11
(1,2747)	1:14:B:VAL:HG23	1:17:B:ALA:HB3	10	0.11
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG11	13	0.11
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG12	13	0.11
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG13	13	0.11
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG21	13	0.11
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG22	13	0.11
(1,2732)	1:10:B:THR:HB	1:14:B:VAL:HG23	13	0.11
(1,2669)	1:40:A:GLU:HG2	1:41:A:LEU:H	13	0.11
(1,2669)	1:40:A:GLU:HG3	1:41:A:LEU:H	13	0.11
(1,2652)	1:36:A:LEU:HD11	1:41:A:LEU:HG	16	0.11
(1,2652)	1:36:A:LEU:HD12	1:41:A:LEU:HG	16	0.11
(1,2652)	1:36:A:LEU:HD13	1:41:A:LEU:HG	16	0.11
(1,2652)	1:36:A:LEU:HD21	1:41:A:LEU:HG	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2652)	1:36:A:LEU:HD22	1:41:A:LEU:HG	16	0.11
(1,2652)	1:36:A:LEU:HD23	1:41:A:LEU:HG	16	0.11
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD2	2	0.11
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD3	2	0.11
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD2	4	0.11
(1,2618)	1:30:A:LYS:H	1:30:A:LYS:HD3	4	0.11
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG2	15	0.11
(1,2617)	1:29:A:SER:HB3	1:68:A:GLU:HG3	15	0.11
(1,2605)	1:28:A:LEU:HD11	1:32:A:GLU:H	3	0.11
(1,2605)	1:28:A:LEU:HD12	1:32:A:GLU:H	3	0.11
(1,2605)	1:28:A:LEU:HD13	1:32:A:GLU:H	3	0.11
(1,2605)	1:28:A:LEU:HD21	1:32:A:GLU:H	3	0.11
(1,2605)	1:28:A:LEU:HD22	1:32:A:GLU:H	3	0.11
(1,2605)	1:28:A:LEU:HD23	1:32:A:GLU:H	3	0.11
(1,2500)	1:36:B:LEU:HG	1:74:B:TYR:HE1	16	0.11
(1,2416)	1:57:B:VAL:HG11	1:80:B:ALA:HB1	1	0.11
(1,2416)	1:57:B:VAL:HG11	1:80:B:ALA:HB2	1	0.11
(1,2416)	1:57:B:VAL:HG11	1:80:B:ALA:HB3	1	0.11
(1,2416)	1:57:B:VAL:HG12	1:80:B:ALA:HB1	1	0.11
(1,2416)	1:57:B:VAL:HG12	1:80:B:ALA:HB2	1	0.11
(1,2416)	1:57:B:VAL:HG12	1:80:B:ALA:HB3	1	0.11
(1,2416)	1:57:B:VAL:HG13	1:80:B:ALA:HB1	1	0.11
(1,2416)	1:57:B:VAL:HG13	1:80:B:ALA:HB2	1	0.11
(1,2416)	1:57:B:VAL:HG13	1:80:B:ALA:HB3	1	0.11
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD11	1	0.11
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD12	1	0.11
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD13	1	0.11
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD11	9	0.11
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD12	9	0.11
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD13	9	0.11
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD11	18	0.11
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD12	18	0.11
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD13	18	0.11
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD11	11	0.11
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD12	11	0.11
(1,2293)	1:34:A:LYS:HG3	1:61:A:LEU:HD13	11	0.11
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG2	7	0.11
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG3	7	0.11
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG2	8	0.11
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG3	8	0.11
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG2	9	0.11
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG3	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG2	8	0.11
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG3	8	0.11
(1,2164)	1:8:A:MET:HE1	1:78:B:VAL:HB	10	0.11
(1,2164)	1:8:A:MET:HE2	1:78:B:VAL:HB	10	0.11
(1,2164)	1:8:A:MET:HE3	1:78:B:VAL:HB	10	0.11
(1,2164)	1:8:A:MET:HE1	1:78:B:VAL:HB	13	0.11
(1,2164)	1:8:A:MET:HE2	1:78:B:VAL:HB	13	0.11
(1,2164)	1:8:A:MET:HE3	1:78:B:VAL:HB	13	0.11
(1,2125)	1:21:A:LYS:HD2	1:32:A:GLU:HB2	19	0.11
(1,2125)	1:21:A:LYS:HD3	1:32:A:GLU:HB2	19	0.11
(1,2108)	1:30:B:LYS:HB3	1:61:B:LEU:HD21	13	0.11
(1,2108)	1:30:B:LYS:HB3	1:61:B:LEU:HD22	13	0.11
(1,2108)	1:30:B:LYS:HB3	1:61:B:LEU:HD23	13	0.11
(1,2105)	1:14:A:VAL:HB	1:4:B:LEU:HD11	7	0.11
(1,2105)	1:14:A:VAL:HB	1:4:B:LEU:HD12	7	0.11
(1,2105)	1:14:A:VAL:HB	1:4:B:LEU:HD13	7	0.11
(1,1855)	1:68:A:GLU:HA	1:68:A:GLU:HG3	20	0.11
(1,1834)	1:68:B:GLU:HA	1:68:B:GLU:HG2	13	0.11
(1,1825)	1:28:A:LEU:HD11	1:32:A:GLU:HA	7	0.11
(1,1825)	1:28:A:LEU:HD12	1:32:A:GLU:HA	7	0.11
(1,1825)	1:28:A:LEU:HD13	1:32:A:GLU:HA	7	0.11
(1,1825)	1:28:A:LEU:HD11	1:32:A:GLU:HA	20	0.11
(1,1825)	1:28:A:LEU:HD12	1:32:A:GLU:HA	20	0.11
(1,1825)	1:28:A:LEU:HD13	1:32:A:GLU:HA	20	0.11
(1,1806)	1:53:B:ALA:HB1	1:81:B:LEU:HA	18	0.11
(1,1806)	1:53:B:ALA:HB2	1:81:B:LEU:HA	18	0.11
(1,1806)	1:53:B:ALA:HB3	1:81:B:LEU:HA	18	0.11
(1,1805)	1:53:A:ALA:HB1	1:81:A:LEU:HA	13	0.11
(1,1805)	1:53:A:ALA:HB2	1:81:A:LEU:HA	13	0.11
(1,1805)	1:53:A:ALA:HB3	1:81:A:LEU:HA	13	0.11
(1,1795)	1:41:A:LEU:HD11	1:44:A:PHE:HD1	9	0.11
(1,1795)	1:41:A:LEU:HD12	1:44:A:PHE:HD1	9	0.11
(1,1795)	1:41:A:LEU:HD13	1:44:A:PHE:HD1	9	0.11
(1,1784)	1:80:B:ALA:HA	1:83:B:VAL:HB	6	0.11
(1,1783)	1:80:A:ALA:HA	1:83:A:VAL:HB	20	0.11
(1,1661)	1:31:A:LYS:HG2	1:32:A:GLU:HB3	5	0.11
(1,1661)	1:31:A:LYS:HG3	1:32:A:GLU:HB3	5	0.11
(1,1640)	1:29:B:SER:HB2	1:31:B:LYS:HB3	18	0.11
(1,1592)	1:77:B:LEU:HD21	1:78:B:VAL:H	2	0.11
(1,1592)	1:77:B:LEU:HD22	1:78:B:VAL:H	2	0.11
(1,1592)	1:77:B:LEU:HD23	1:78:B:VAL:H	2	0.11
(1,1592)	1:77:B:LEU:HD21	1:78:B:VAL:H	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1592)	1:77:B:LEU:HD22	1:78:B:VAL:H	3	0.11
(1,1592)	1:77:B:LEU:HD23	1:78:B:VAL:H	3	0.11
(1,1592)	1:77:B:LEU:HD21	1:78:B:VAL:H	4	0.11
(1,1592)	1:77:B:LEU:HD22	1:78:B:VAL:H	4	0.11
(1,1592)	1:77:B:LEU:HD23	1:78:B:VAL:H	4	0.11
(1,1592)	1:77:B:LEU:HD21	1:78:B:VAL:H	7	0.11
(1,1592)	1:77:B:LEU:HD22	1:78:B:VAL:H	7	0.11
(1,1592)	1:77:B:LEU:HD23	1:78:B:VAL:H	7	0.11
(1,1592)	1:77:B:LEU:HD21	1:78:B:VAL:H	16	0.11
(1,1592)	1:77:B:LEU:HD22	1:78:B:VAL:H	16	0.11
(1,1592)	1:77:B:LEU:HD23	1:78:B:VAL:H	16	0.11
(1,1592)	1:77:B:LEU:HD21	1:78:B:VAL:H	18	0.11
(1,1592)	1:77:B:LEU:HD22	1:78:B:VAL:H	18	0.11
(1,1592)	1:77:B:LEU:HD23	1:78:B:VAL:H	18	0.11
(1,1591)	1:77:A:LEU:HD21	1:78:A:VAL:H	6	0.11
(1,1591)	1:77:A:LEU:HD22	1:78:A:VAL:H	6	0.11
(1,1591)	1:77:A:LEU:HD23	1:78:A:VAL:H	6	0.11
(1,1591)	1:77:A:LEU:HD21	1:78:A:VAL:H	9	0.11
(1,1591)	1:77:A:LEU:HD22	1:78:A:VAL:H	9	0.11
(1,1591)	1:77:A:LEU:HD23	1:78:A:VAL:H	9	0.11
(1,1591)	1:77:A:LEU:HD21	1:78:A:VAL:H	11	0.11
(1,1591)	1:77:A:LEU:HD22	1:78:A:VAL:H	11	0.11
(1,1591)	1:77:A:LEU:HD23	1:78:A:VAL:H	11	0.11
(1,1591)	1:77:A:LEU:HD21	1:78:A:VAL:H	18	0.11
(1,1591)	1:77:A:LEU:HD22	1:78:A:VAL:H	18	0.11
(1,1591)	1:77:A:LEU:HD23	1:78:A:VAL:H	18	0.11
(1,1591)	1:77:A:LEU:HD21	1:78:A:VAL:H	19	0.11
(1,1591)	1:77:A:LEU:HD22	1:78:A:VAL:H	19	0.11
(1,1591)	1:77:A:LEU:HD23	1:78:A:VAL:H	19	0.11
(1,1590)	1:24:B:ASP:HA	1:27:B:LYS:HB2	3	0.11
(1,1541)	1:33:A:LEU:HA	1:36:A:LEU:HA	15	0.11
(1,1541)	1:33:A:LEU:HA	1:36:A:LEU:HA	19	0.11
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG21	16	0.11
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG22	16	0.11
(1,1470)	1:12:A:ILE:HG21	1:82:B:THR:HG23	16	0.11
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG21	16	0.11
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG22	16	0.11
(1,1470)	1:12:A:ILE:HG22	1:82:B:THR:HG23	16	0.11
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG21	16	0.11
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG22	16	0.11
(1,1470)	1:12:A:ILE:HG23	1:82:B:THR:HG23	16	0.11
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG21	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG22	11	0.11
(1,1469)	1:82:A:THR:HG21	1:12:B:ILE:HG23	11	0.11
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG21	11	0.11
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG22	11	0.11
(1,1469)	1:82:A:THR:HG22	1:12:B:ILE:HG23	11	0.11
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG21	11	0.11
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG22	11	0.11
(1,1469)	1:82:A:THR:HG23	1:12:B:ILE:HG23	11	0.11
(1,1436)	1:31:B:LYS:HG2	1:66:B:ASP:HA	16	0.11
(1,1436)	1:31:B:LYS:HG3	1:66:B:ASP:HA	16	0.11
(1,1230)	1:72:B:GLN:HG2	1:73:B:GLU:H	13	0.11
(1,1230)	1:72:B:GLN:HG2	1:73:B:GLU:H	18	0.11
(1,1142)	1:58:B:MET:HB3	1:59:B:LYS:H	5	0.11
(1,1142)	1:58:B:MET:HB3	1:59:B:LYS:H	20	0.11
(1,1141)	1:58:A:MET:HB3	1:59:A:LYS:H	17	0.11
(1,1104)	1:9:B:GLU:H	1:9:B:GLU:HB2	5	0.11
(1,988)	1:12:B:ILE:HA	1:15:B:PHE:H	5	0.11
(1,987)	1:12:A:ILE:HA	1:15:A:PHE:H	5	0.11
(1,878)	1:40:B:GLU:H	1:40:B:GLU:HG3	11	0.11
(1,877)	1:40:A:GLU:H	1:40:A:GLU:HG3	19	0.11
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD11	2	0.11
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD12	2	0.11
(1,843)	1:74:A:TYR:H	1:77:A:LEU:HD13	2	0.11
(1,768)	1:74:B:TYR:H	1:76:B:VAL:H	12	0.11
(1,768)	1:74:B:TYR:H	1:76:B:VAL:H	19	0.11
(1,672)	1:54:B:VAL:HG21	1:57:B:VAL:H	4	0.11
(1,672)	1:54:B:VAL:HG22	1:57:B:VAL:H	4	0.11
(1,672)	1:54:B:VAL:HG23	1:57:B:VAL:H	4	0.11
(1,672)	1:54:B:VAL:HG21	1:57:B:VAL:H	7	0.11
(1,672)	1:54:B:VAL:HG22	1:57:B:VAL:H	7	0.11
(1,672)	1:54:B:VAL:HG23	1:57:B:VAL:H	7	0.11
(1,672)	1:54:B:VAL:HG21	1:57:B:VAL:H	18	0.11
(1,672)	1:54:B:VAL:HG22	1:57:B:VAL:H	18	0.11
(1,672)	1:54:B:VAL:HG23	1:57:B:VAL:H	18	0.11
(1,671)	1:54:A:VAL:HG21	1:57:A:VAL:H	1	0.11
(1,671)	1:54:A:VAL:HG22	1:57:A:VAL:H	1	0.11
(1,671)	1:54:A:VAL:HG23	1:57:A:VAL:H	1	0.11
(1,637)	1:80:A:ALA:H	1:83:A:VAL:HG11	10	0.11
(1,637)	1:80:A:ALA:H	1:83:A:VAL:HG12	10	0.11
(1,637)	1:80:A:ALA:H	1:83:A:VAL:HG13	10	0.11
(1,637)	1:80:A:ALA:H	1:83:A:VAL:HG11	15	0.11
(1,637)	1:80:A:ALA:H	1:83:A:VAL:HG12	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,637)	1:80:A:ALA:H	1:83:A:VAL:HG13	15	0.11
(1,628)	1:64:B:ASN:HA	1:64:B:ASN:HD22	1	0.11
(1,628)	1:64:B:ASN:HA	1:64:B:ASN:HD22	7	0.11
(1,628)	1:64:B:ASN:HA	1:64:B:ASN:HD22	8	0.11
(1,627)	1:64:A:ASN:HA	1:64:A:ASN:HD22	14	0.11
(1,620)	1:65:B:GLY:H	1:67:B:GLY:H	9	0.11
(1,558)	1:14:B:VAL:H	1:17:B:ALA:H	14	0.11
(1,557)	1:14:A:VAL:H	1:17:A:ALA:H	11	0.11
(1,557)	1:14:A:VAL:H	1:17:A:ALA:H	13	0.11
(1,557)	1:14:A:VAL:H	1:17:A:ALA:H	15	0.11
(1,557)	1:14:A:VAL:H	1:17:A:ALA:H	19	0.11
(1,557)	1:14:A:VAL:H	1:17:A:ALA:H	20	0.11
(1,543)	1:31:A:LYS:H	1:65:A:GLY:H	5	0.11
(1,530)	1:48:B:GLN:HA	1:50:B:ASP:H	15	0.11
(1,529)	1:48:A:GLN:HA	1:50:A:ASP:H	3	0.11
(1,529)	1:48:A:GLN:HA	1:50:A:ASP:H	13	0.11
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG11	11	0.11
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG12	11	0.11
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG13	11	0.11
(1,357)	1:72:A:GLN:HA	1:80:B:ALA:H	1	0.11
(1,357)	1:72:A:GLN:HA	1:80:B:ALA:H	10	0.11
(1,266)	1:41:B:LEU:HB3	1:44:B:PHE:H	6	0.11
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB2	9	0.11
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB3	9	0.11
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB2	12	0.11
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB3	12	0.11
(1,210)	1:27:B:LYS:HA	1:69:B:VAL:H	11	0.11
(1,164)	1:13:B:ASN:HD22	1:14:B:VAL:H	11	0.11
(1,127)	1:7:A:ALA:H	1:9:A:GLU:HB3	4	0.11
(1,73)	1:9:A:GLU:HB2	1:13:A:ASN:HD21	4	0.11
(1,46)	1:61:B:LEU:HD11	1:66:B:ASP:H	10	0.11
(1,46)	1:61:B:LEU:HD12	1:66:B:ASP:H	10	0.11
(1,46)	1:61:B:LEU:HD13	1:66:B:ASP:H	10	0.11
(1,46)	1:61:B:LEU:HD11	1:66:B:ASP:H	16	0.11
(1,46)	1:61:B:LEU:HD12	1:66:B:ASP:H	16	0.11
(1,46)	1:61:B:LEU:HD13	1:66:B:ASP:H	16	0.11
(1,45)	1:61:A:LEU:HD11	1:66:A:ASP:H	17	0.11
(1,45)	1:61:A:LEU:HD12	1:66:A:ASP:H	17	0.11
(1,45)	1:61:A:LEU:HD13	1:66:A:ASP:H	17	0.11
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG11	14	0.1
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG12	14	0.1
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG13	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG21	14	0.1
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG22	14	0.1
(1,2532)	1:10:A:THR:HB	1:14:A:VAL:HG23	14	0.1
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE1	6	0.1
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE2	6	0.1
(1,2419)	1:38:A:GLN:HG2	1:58:A:MET:HE3	6	0.1
(1,2383)	1:22:A:GLU:HA	1:22:A:GLU:HG2	2	0.1
(1,2383)	1:22:A:GLU:HA	1:22:A:GLU:HG3	2	0.1
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD11	14	0.1
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD12	14	0.1
(1,2294)	1:34:B:LYS:HG3	1:61:B:LEU:HD13	14	0.1
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG2	14	0.1
(1,2290)	1:31:B:LYS:HA	1:31:B:LYS:HG3	14	0.1
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG2	15	0.1
(1,2289)	1:31:A:LYS:HA	1:31:A:LYS:HG3	15	0.1
(1,2227)	1:11:A:LEU:HD21	1:4:B:LEU:HA	11	0.1
(1,2227)	1:11:A:LEU:HD22	1:4:B:LEU:HA	11	0.1
(1,2227)	1:11:A:LEU:HD23	1:4:B:LEU:HA	11	0.1
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD21	8	0.1
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD22	8	0.1
(1,2194)	1:41:B:LEU:HA	1:41:B:LEU:HD23	8	0.1
(1,2017)	1:28:A:LEU:HD21	1:32:A:GLU:HA	12	0.1
(1,2017)	1:28:A:LEU:HD22	1:32:A:GLU:HA	12	0.1
(1,2017)	1:28:A:LEU:HD23	1:32:A:GLU:HA	12	0.1
(1,1961)	1:31:A:LYS:HE2	1:32:A:GLU:HG3	17	0.1
(1,1961)	1:31:A:LYS:HE3	1:32:A:GLU:HG3	17	0.1
(1,1926)	1:21:B:LYS:HB2	1:32:B:GLU:HB2	20	0.1
(1,1926)	1:21:B:LYS:HB3	1:32:B:GLU:HB2	20	0.1
(1,1908)	1:47:B:ALA:HB1	1:49:B:LYS:HG2	16	0.1
(1,1908)	1:47:B:ALA:HB2	1:49:B:LYS:HG2	16	0.1
(1,1908)	1:47:B:ALA:HB3	1:49:B:LYS:HG2	16	0.1
(1,1898)	1:9:B:GLU:HG2	1:10:B:THR:HA	6	0.1
(1,1879)	1:68:A:GLU:HB2	1:69:A:VAL:HA	3	0.1
(1,1879)	1:68:A:GLU:HB3	1:69:A:VAL:HA	3	0.1
(1,1869)	1:12:A:ILE:HG21	1:71:A:PHE:HE1	18	0.1
(1,1869)	1:12:A:ILE:HG22	1:71:A:PHE:HE1	18	0.1
(1,1869)	1:12:A:ILE:HG23	1:71:A:PHE:HE1	18	0.1
(1,1796)	1:41:B:LEU:HD11	1:44:B:PHE:HD1	9	0.1
(1,1796)	1:41:B:LEU:HD12	1:44:B:PHE:HD1	9	0.1
(1,1796)	1:41:B:LEU:HD13	1:44:B:PHE:HD1	9	0.1
(1,1784)	1:80:B:ALA:HA	1:83:B:VAL:HB	20	0.1
(1,1722)	1:8:A:MET:HG3	1:41:B:LEU:HD21	20	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1722)	1:8:A:MET:HG3	1:41:B:LEU:HD22	20	0.1
(1,1722)	1:8:A:MET:HG3	1:41:B:LEU:HD23	20	0.1
(1,1592)	1:77:B:LEU:HD21	1:78:B:VAL:H	17	0.1
(1,1592)	1:77:B:LEU:HD22	1:78:B:VAL:H	17	0.1
(1,1592)	1:77:B:LEU:HD23	1:78:B:VAL:H	17	0.1
(1,1590)	1:24:B:ASP:HA	1:27:B:LYS:HB2	4	0.1
(1,1576)	1:29:B:SER:HB3	1:30:B:LYS:HA	10	0.1
(1,1447)	1:61:A:LEU:HD11	1:64:A:ASN:HB3	5	0.1
(1,1447)	1:61:A:LEU:HD12	1:64:A:ASN:HB3	5	0.1
(1,1447)	1:61:A:LEU:HD13	1:64:A:ASN:HB3	5	0.1
(1,1229)	1:72:A:GLN:HG2	1:73:A:GLU:H	8	0.1
(1,1142)	1:58:B:MET:HB3	1:59:B:LYS:H	11	0.1
(1,878)	1:40:B:GLU:H	1:40:B:GLU:HG3	8	0.1
(1,865)	1:28:A:LEU:HB2	1:29:A:SER:H	7	0.1
(1,767)	1:74:A:TYR:H	1:76:A:VAL:H	3	0.1
(1,683)	1:13:A:ASN:HA	1:17:A:ALA:H	7	0.1
(1,671)	1:54:A:VAL:HG21	1:57:A:VAL:H	19	0.1
(1,671)	1:54:A:VAL:HG22	1:57:A:VAL:H	19	0.1
(1,671)	1:54:A:VAL:HG23	1:57:A:VAL:H	19	0.1
(1,638)	1:80:B:ALA:H	1:83:B:VAL:HG11	8	0.1
(1,638)	1:80:B:ALA:H	1:83:B:VAL:HG12	8	0.1
(1,638)	1:80:B:ALA:H	1:83:B:VAL:HG13	8	0.1
(1,628)	1:64:B:ASN:HA	1:64:B:ASN:HD22	16	0.1
(1,558)	1:14:B:VAL:H	1:17:B:ALA:H	12	0.1
(1,544)	1:31:B:LYS:H	1:65:B:GLY:H	14	0.1
(1,530)	1:48:B:GLN:HA	1:50:B:ASP:H	20	0.1
(1,469)	1:41:A:LEU:HD21	1:42:A:SER:H	16	0.1
(1,469)	1:41:A:LEU:HD22	1:42:A:SER:H	16	0.1
(1,469)	1:41:A:LEU:HD23	1:42:A:SER:H	16	0.1
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG11	20	0.1
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG12	20	0.1
(1,460)	1:72:A:GLN:HE22	1:76:B:VAL:HG13	20	0.1
(1,358)	1:80:A:ALA:H	1:72:B:GLN:HA	6	0.1
(1,357)	1:72:A:GLN:HA	1:80:B:ALA:H	5	0.1
(1,357)	1:72:A:GLN:HA	1:80:B:ALA:H	7	0.1
(1,357)	1:72:A:GLN:HA	1:80:B:ALA:H	11	0.1
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB2	2	0.1
(1,254)	1:80:A:ALA:H	1:72:B:GLN:HB3	2	0.1
(1,253)	1:72:A:GLN:HB2	1:80:B:ALA:H	10	0.1
(1,253)	1:72:A:GLN:HB3	1:80:B:ALA:H	10	0.1
(1,127)	1:7:A:ALA:H	1:9:A:GLU:HB3	7	0.1
(1,73)	1:9:A:GLU:HB2	1:13:A:ASN:HD21	2	0.1

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found