Full wwPDB NMR Structure Validation Report

Mar 6, 2026 – 09:19 PM UTC

PDB ID	:	9MES / pdb_00009mes
BMRB ID	:	51073
Title	:	NMR strucuture of Dengue Virus 2 capsid protein with the deletion of the intrinsically disordered N-terminal region
Authors	:	Barbosa, G.M.; Da Poian, A.T.; Almeida, F.C.L.
Deposited on	:	2024-12-08

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 ⓘ 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 ⓘ) were used in the production of this report:

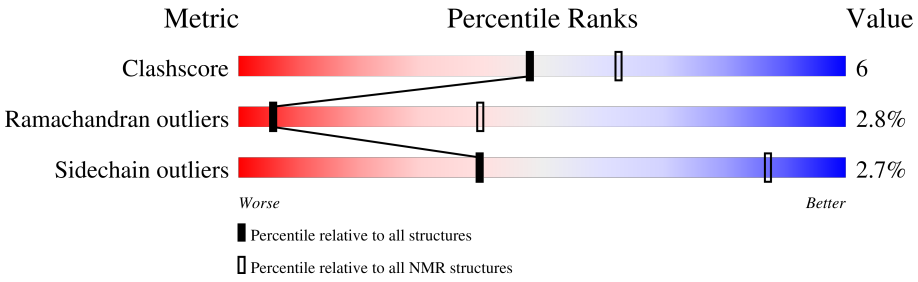
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance (i)

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

The overall completeness of chemical shifts assignment is 22%.

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	82	56% 11% • 32%
1	B	82	56% 11% • 32%

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:43-A:98, B:43-B:98 (112)	0.64	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 5 single-model clusters were found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 2837 atoms, of which 1498 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Capsid protein C.

Mol	Chain	Residues	Atoms						Trace
1	A	82	Total	C	H	N	O	S	0
			1418	430	749	135	100	4	
1	B	82	Total	C	H	N	O	S	0
			1419	430	749	136	100	4	

There are 2 discrepancies between the modelled and reference sequences:

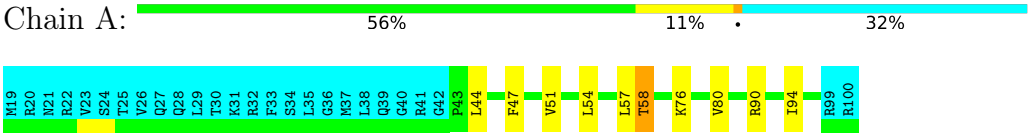
Chain	Residue	Modelled	Actual	Comment	Reference
A	19	MET	-	initiating methionine	UNP P07564
B	19	MET	-	initiating methionine	UNP P07564

4 Residue-property plots

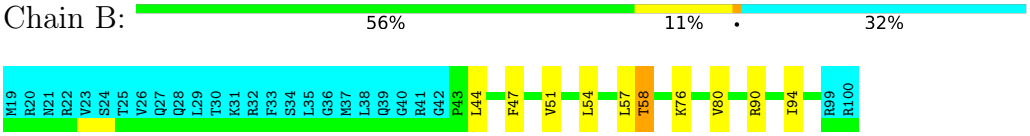
4.1 Average score per residue in the NMR ensemble

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: Capsid protein C



• Molecule 1: Capsid protein C

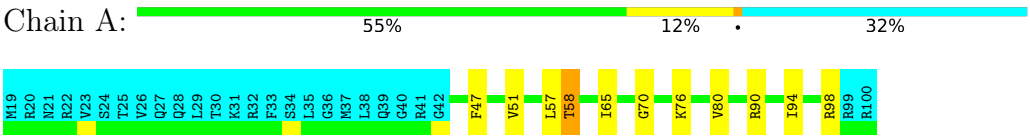


4.2 Scores per residue for each member of the ensemble

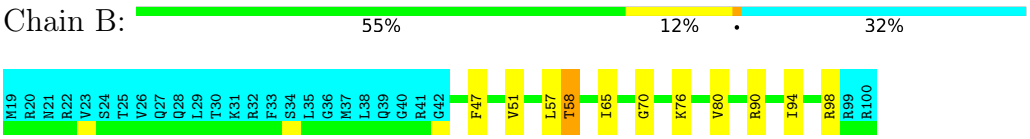
Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: Capsid protein C



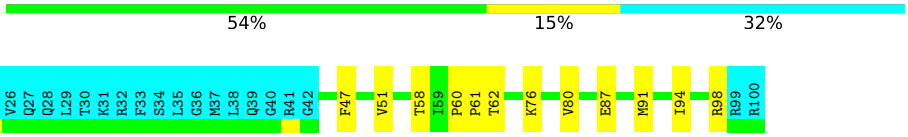
• Molecule 1: Capsid protein C



4.2.2 Score per residue for model 2

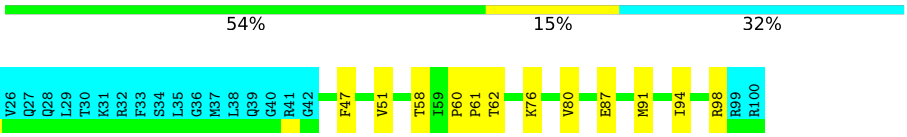
• Molecule 1: Capsid protein C

Chain A:



• Molecule 1: Capsid protein C

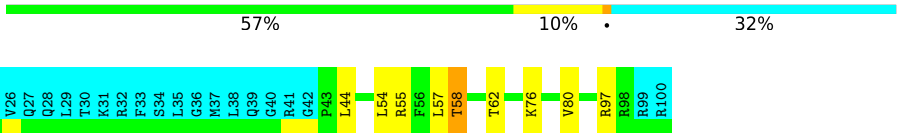
Chain B:



4.2.3 Score per residue for model 3

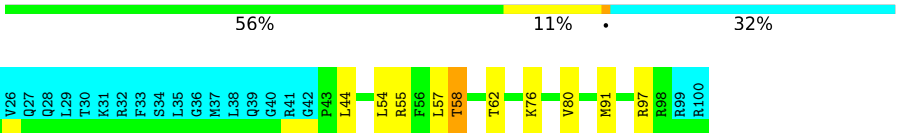
• Molecule 1: Capsid protein C

Chain A:



• Molecule 1: Capsid protein C

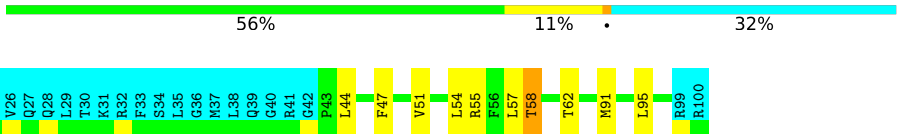
Chain B:



4.2.4 Score per residue for model 4

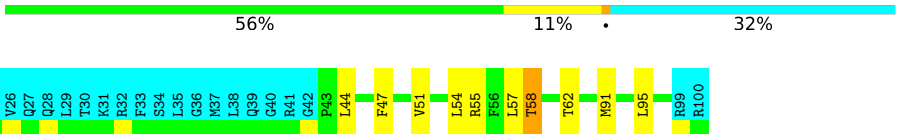
• Molecule 1: Capsid protein C

Chain A:



• Molecule 1: Capsid protein C

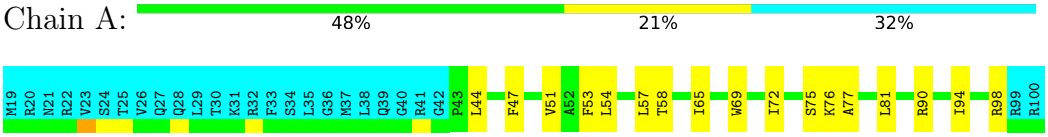
Chain B:



4.2.5 Score per residue for model 5

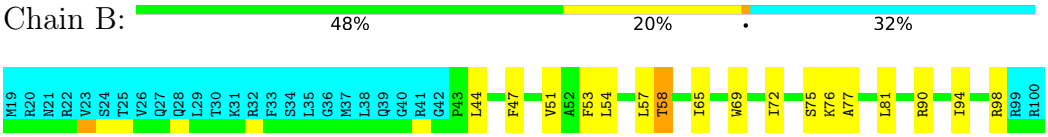
• Molecule 1: Capsid protein C

Chain A:



• Molecule 1: Capsid protein C

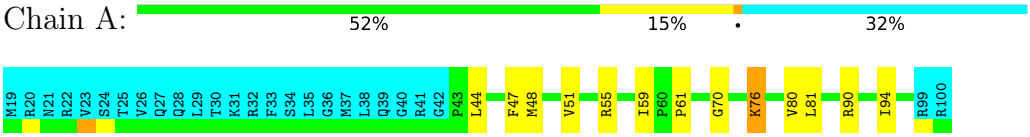
Chain B:



4.2.6 Score per residue for model 6

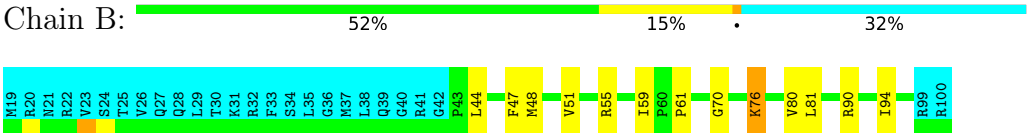
• Molecule 1: Capsid protein C

Chain A:



• Molecule 1: Capsid protein C

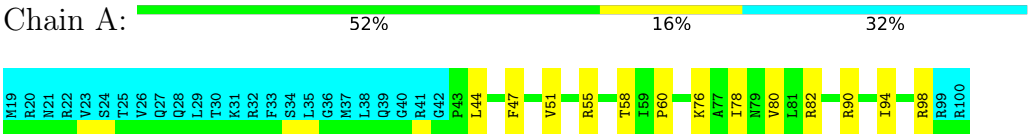
Chain B:



4.2.7 Score per residue for model 7

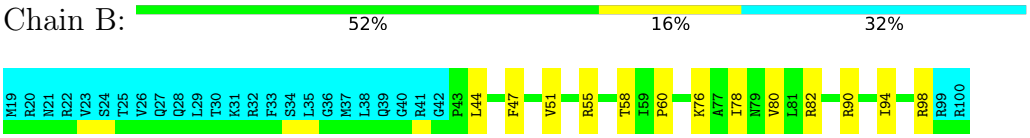
• Molecule 1: Capsid protein C

Chain A:



• Molecule 1: Capsid protein C

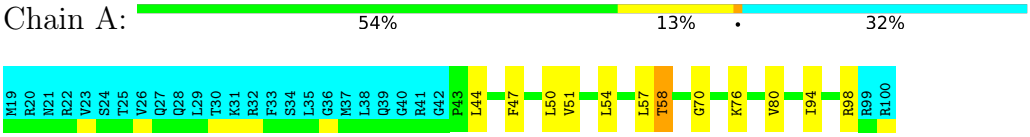
Chain B:



4.2.8 Score per residue for model 8

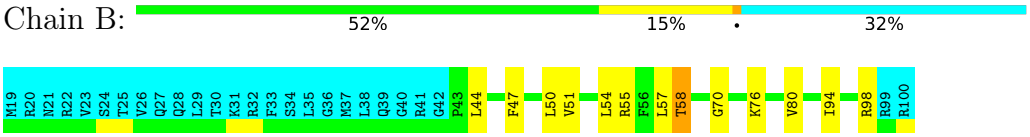
• Molecule 1: Capsid protein C

Chain A:



• Molecule 1: Capsid protein C

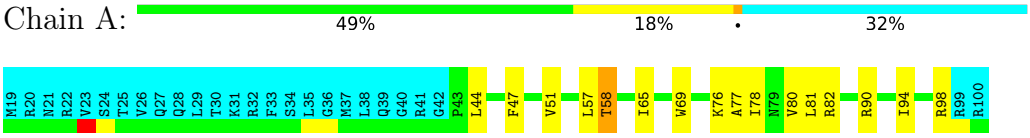
Chain B:



4.2.9 Score per residue for model 9

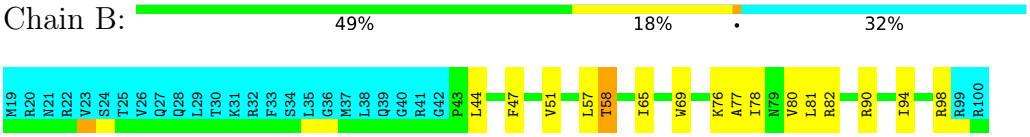
• Molecule 1: Capsid protein C

Chain A:



• Molecule 1: Capsid protein C

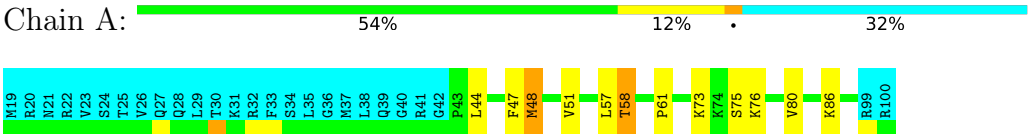
Chain B:



4.2.10 Score per residue for model 10

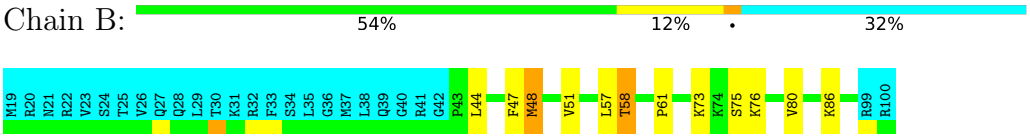
• Molecule 1: Capsid protein C

Chain A:



• Molecule 1: Capsid protein C

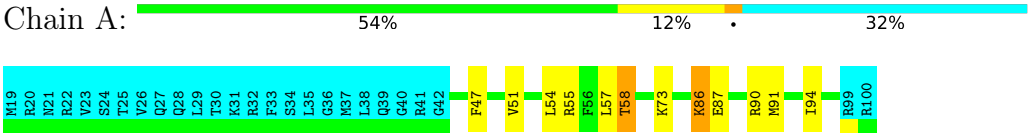
Chain B:



4.2.11 Score per residue for model 11

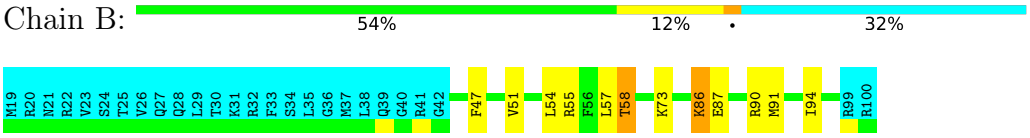
• Molecule 1: Capsid protein C

Chain A:



• Molecule 1: Capsid protein C

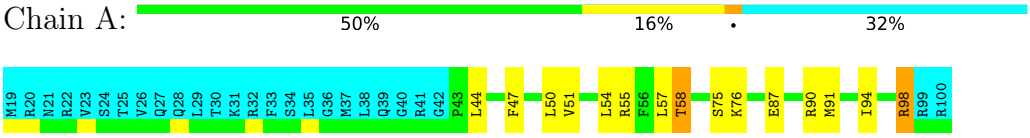
Chain B:



4.2.12 Score per residue for model 12

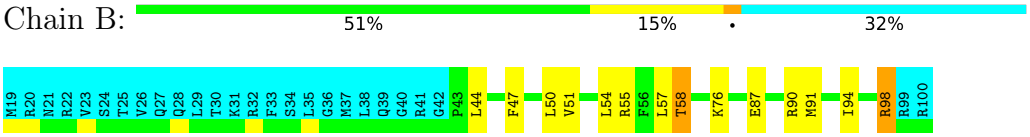
• Molecule 1: Capsid protein C

Chain A:



• Molecule 1: Capsid protein C

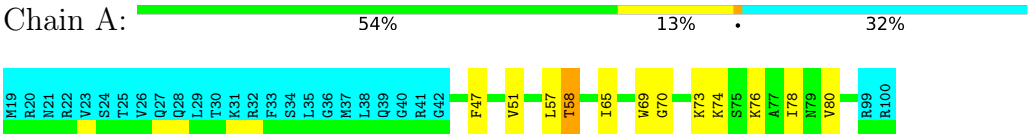
Chain B:



4.2.13 Score per residue for model 13

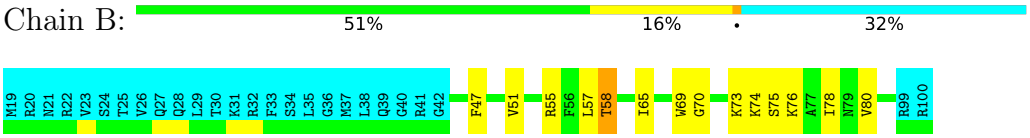
• Molecule 1: Capsid protein C

Chain A:



• Molecule 1: Capsid protein C

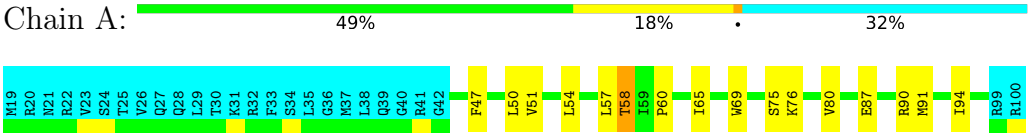
Chain B:



4.2.14 Score per residue for model 14 (medoid)

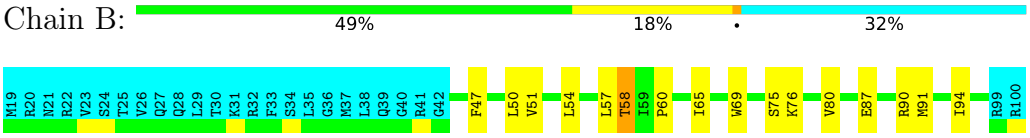
• Molecule 1: Capsid protein C

Chain A:



• Molecule 1: Capsid protein C

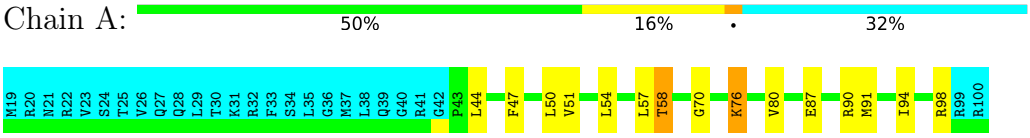
Chain B:



4.2.15 Score per residue for model 15

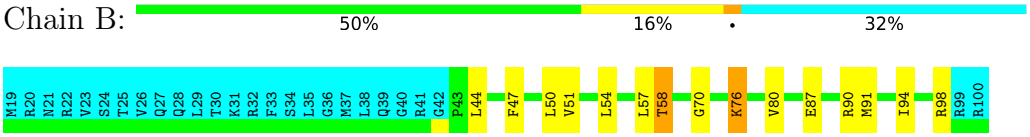
• Molecule 1: Capsid protein C

Chain A:



• Molecule 1: Capsid protein C

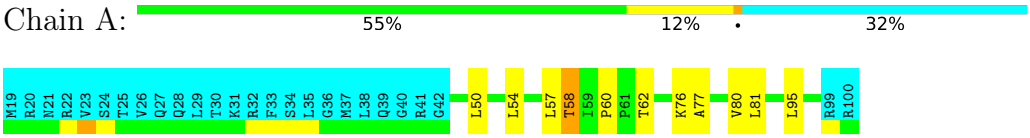
Chain B:



4.2.16 Score per residue for model 16

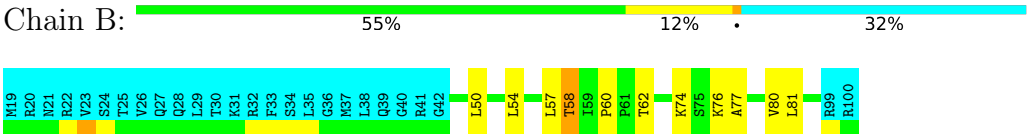
• Molecule 1: Capsid protein C

Chain A:



• Molecule 1: Capsid protein C

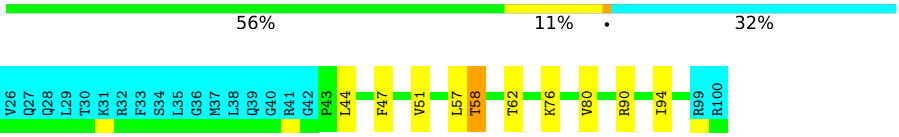
Chain B:



4.2.17 Score per residue for model 17

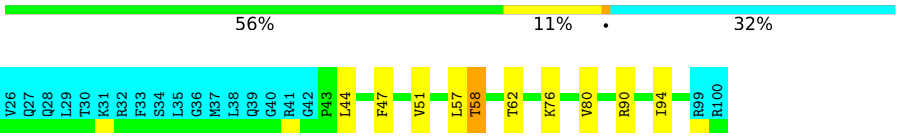
• Molecule 1: Capsid protein C

Chain A:



• Molecule 1: Capsid protein C

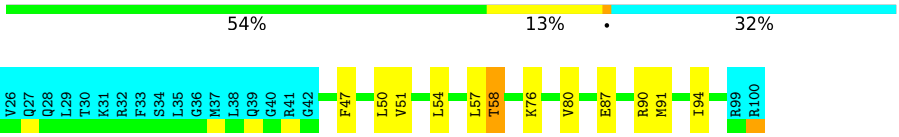
Chain B:



4.2.18 Score per residue for model 18

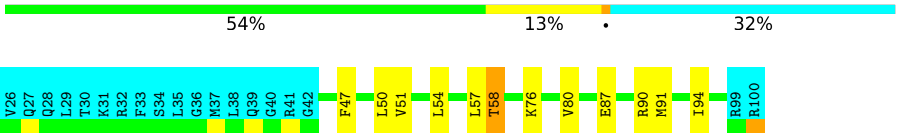
• Molecule 1: Capsid protein C

Chain A:



• Molecule 1: Capsid protein C

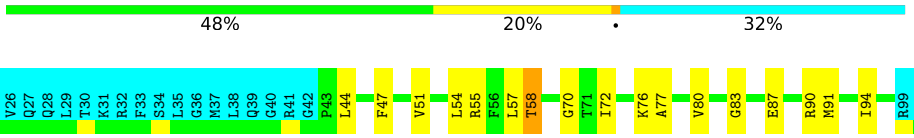
Chain B:



4.2.19 Score per residue for model 19

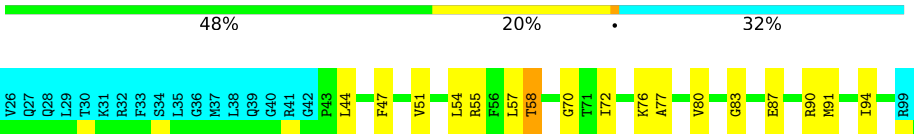
• Molecule 1: Capsid protein C

Chain A:



• Molecule 1: Capsid protein C

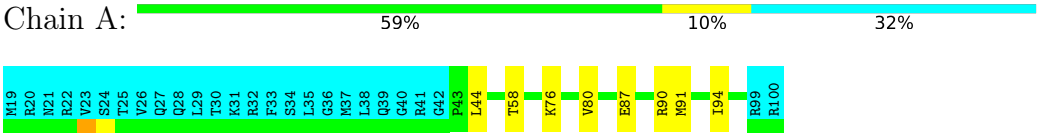
Chain B:



4.2.20 Score per residue for model 20

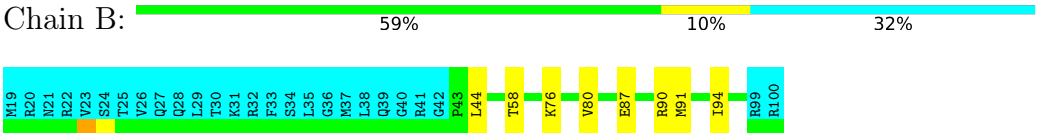
• Molecule 1: Capsid protein C

Chain A:



• Molecule 1: Capsid protein C

Chain B:



5 Refinement protocol and experimental data overview

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

Of the 400 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
CNS	structure calculation	
PSVS	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	516
Number of shifts mapped to atoms	515
Number of unparsed shifts	0
Number of shifts with mapping errors	1
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	22%

6 Model quality

6.1 Standard geometry

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	456	519	519	6±1
1	B	456	519	519	6±2
All	All	18240	20760	20760	232

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 6.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:57:LEU:O	1:B:58:THR:HB	0.58	1.99	10	16
1:A:57:LEU:O	1:A:58:THR:HB	0.58	1.99	10	15
1:A:55:ARG:NE	1:A:55:ARG:HA	0.56	2.15	12	1
1:A:87:GLU:O	1:A:91:MET:HG2	0.56	2.01	20	4
1:B:55:ARG:NE	1:B:55:ARG:HA	0.56	2.15	12	2
1:B:87:GLU:O	1:B:91:MET:HG2	0.55	2.01	20	4
1:B:69:TRP:O	1:B:72:ILE:HG22	0.55	2.01	5	1
1:A:94:ILE:O	1:A:98:ARG:HA	0.54	2.03	5	5
1:B:51:VAL:O	1:B:55:ARG:HG3	0.54	2.02	7	2
1:B:50:LEU:O	1:B:54:LEU:HG	0.54	2.03	8	5
1:B:94:ILE:O	1:B:98:ARG:HA	0.54	2.03	5	5
1:A:69:TRP:O	1:A:72:ILE:HG22	0.54	2.01	5	1
1:A:50:LEU:O	1:A:54:LEU:HG	0.54	2.03	8	5

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:87:GLU:O	1:B:91:MET:HG3	0.54	2.03	14	4
1:A:51:VAL:O	1:A:55:ARG:HG3	0.53	2.02	7	2
1:A:74:LYS:O	1:A:78:ILE:HG12	0.53	2.04	13	1
1:A:87:GLU:O	1:A:91:MET:HG3	0.53	2.04	19	4
1:A:77:ALA:O	1:A:81:LEU:HG	0.53	2.03	9	3
1:B:77:ALA:O	1:B:81:LEU:HG	0.52	2.03	9	3
1:B:74:LYS:O	1:B:78:ILE:HG12	0.52	2.04	13	1
1:B:65:ILE:O	1:B:69:TRP:HA	0.52	2.05	9	4
1:A:65:ILE:O	1:A:69:TRP:HA	0.51	2.05	9	4
1:A:55:ARG:HA	1:A:55:ARG:NE	0.51	2.20	6	1
1:B:76:LYS:O	1:B:80:VAL:HG23	0.51	2.06	2	16
1:A:76:LYS:O	1:A:80:VAL:HG23	0.50	2.06	2	16
1:B:54:LEU:HD12	1:B:55:ARG:N	0.49	2.23	3	3
1:B:47:PHE:O	1:B:51:VAL:HG23	0.49	2.07	1	17
1:A:54:LEU:HD12	1:A:55:ARG:N	0.49	2.23	3	3
1:B:48:MET:HE3	1:B:48:MET:HA	0.48	1.85	10	1
1:A:47:PHE:O	1:A:51:VAL:HG23	0.48	2.08	17	17
1:A:98:ARG:O	1:A:98:ARG:HG3	0.48	2.08	12	1
1:A:90:ARG:O	1:A:94:ILE:HG13	0.47	2.09	19	13
1:B:90:ARG:O	1:B:94:ILE:HG13	0.47	2.09	19	13
1:B:98:ARG:O	1:B:98:ARG:HG3	0.47	2.09	12	1
1:B:51:VAL:O	1:B:54:LEU:HG	0.47	2.10	4	2
1:A:48:MET:HA	1:A:48:MET:HE3	0.47	1.85	10	1
1:A:97:ARG:NE	1:A:97:ARG:HA	0.46	2.25	3	1
1:A:51:VAL:O	1:A:54:LEU:HG	0.46	2.10	4	2
1:B:97:ARG:NE	1:B:97:ARG:HA	0.45	2.26	3	1
1:B:48:MET:SD	1:B:81:LEU:HD21	0.45	2.52	6	1
1:A:78:ILE:O	1:A:82:ARG:HG3	0.45	2.12	9	2
1:A:75:SER:O	1:A:76:LYS:HB2	0.44	2.12	5	1
1:B:75:SER:O	1:B:76:LYS:HB2	0.44	2.13	5	1
1:A:48:MET:SD	1:A:81:LEU:HD21	0.44	2.52	6	1
1:A:95:LEU:O	1:B:74:LYS:HD2	0.44	2.13	16	1
1:B:78:ILE:O	1:B:82:ARG:HG3	0.44	2.12	9	2
1:B:44:LEU:O	1:B:44:LEU:HD13	0.43	2.14	8	1
1:A:53:PHE:O	1:A:57:LEU:HD23	0.43	2.14	5	1
1:A:44:LEU:HD13	1:A:44:LEU:O	0.43	2.14	8	1
1:B:69:TRP:HB3	1:B:72:ILE:CG2	0.43	2.44	5	1
1:B:53:PHE:O	1:B:57:LEU:HD23	0.43	2.14	5	1
1:A:69:TRP:HB3	1:A:72:ILE:CG2	0.42	2.44	5	1
1:B:86:LYS:O	1:B:90:ARG:HD3	0.42	2.13	11	1
1:A:83:GLY:O	1:A:87:GLU:HG2	0.42	2.13	19	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:55:ARG:HG2	1:B:91:MET:SD	0.42	2.54	3	1
1:B:91:MET:O	1:B:95:LEU:HG	0.42	2.15	4	1
1:A:51:VAL:HG22	1:A:65:ILE:HD13	0.42	1.91	1	1
1:A:86:LYS:O	1:A:90:ARG:HD3	0.42	2.14	11	1
1:B:83:GLY:O	1:B:87:GLU:HG2	0.42	2.14	19	1
1:B:51:VAL:HG22	1:B:65:ILE:HD13	0.42	1.92	1	1
1:B:73:LYS:HG3	1:B:75:SER:OG	0.41	2.15	10	1
1:A:73:LYS:HG3	1:A:75:SER:OG	0.41	2.15	10	1
1:A:91:MET:O	1:A:95:LEU:HG	0.41	2.15	4	1
1:B:55:ARG:HD2	1:B:55:ARG:C	0.41	2.41	13	1
1:B:72:ILE:HG23	1:B:77:ALA:CB	0.41	2.46	19	1
1:B:75:SER:O	1:B:78:ILE:HB	0.41	2.16	13	1
1:B:51:VAL:O	1:B:55:ARG:HG2	0.40	2.17	8	1
1:A:72:ILE:HG23	1:A:77:ALA:CB	0.40	2.46	19	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	56/82 (68%)	50±1 (89±2%)	4±1 (8±2%)	2±1 (3±1%)	5	39
1	B	56/82 (68%)	50±1 (89±2%)	4±1 (8±2%)	2±0 (3±1%)	6	40
All	All	2240/3280 (68%)	2000 (89%)	177 (8%)	63 (3%)	6	40

All 10 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	58	THR	19
1	B	58	THR	19
1	A	70	GLY	6
1	B	70	GLY	6
1	A	98	ARG	3
1	B	98	ARG	3
1	A	61	PRO	2

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Mol	Chain	Res	Type	Models (Total)
1	B	61	PRO	2
1	A	75	SER	2
1	B	75	SER	1

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	48/71 (68%)	47±1 (97±2%)	1±1 (3±2%)	40	87
1	B	48/71 (68%)	47±1 (97±2%)	1±1 (3±2%)	40	87
All	All	1920/2840 (68%)	1868 (97%)	52 (3%)	40	87

All 16 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	44	LEU	12
1	B	44	LEU	12
1	A	62	THR	4
1	B	62	THR	4
1	A	76	LYS	3
1	B	76	LYS	3
1	A	86	LYS	2
1	B	86	LYS	2
1	A	73	LYS	2
1	B	73	LYS	2
1	A	59	ILE	1
1	B	59	ILE	1
1	A	48	MET	1
1	B	48	MET	1
1	A	50	LEU	1
1	B	50	LEU	1

6.3.3 RNA (i)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 22% for the well-defined parts and 20% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shifts_1*

7.1.1 Bookkeeping

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

Total number of shifts	516
Number of shifts mapped to atoms	515
Number of unparsed shifts	0
Number of shifts with mapping errors	1
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

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

- No matching atom found in the structure. All 1 occurrences are reported below.

List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	19	MET	HB3	2.78	0.000	1

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	54	-0.46 ± 0.20	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	28	0.13 ± 0.28	None needed (< 0.5 ppm)
$^{13}C'$	72	-0.69 ± 0.29	Should be applied
^{15}N	55	0.69 ± 0.26	Should be applied

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 22%, i.e. 393 atoms were assigned a chemical shift out of a possible 1752. 0 out of 22 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	221/556 (40%)	85/226 (38%)	95/224 (42%)	41/106 (39%)
Sidechain	144/1092 (13%)	97/716 (14%)	46/316 (15%)	1/60 (2%)
Aromatic	28/104 (27%)	14/52 (27%)	13/50 (26%)	1/2 (50%)
Overall	393/1752 (22%)	196/994 (20%)	154/590 (26%)	43/168 (26%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 20%, i.e. 516 atoms were assigned a chemical shift out of a possible 2554. 0 out of 32 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	291/822 (35%)	110/336 (33%)	126/328 (38%)	55/158 (35%)
Sidechain	197/1608 (12%)	130/1046 (12%)	65/456 (14%)	2/106 (2%)
Aromatic	28/124 (23%)	14/62 (23%)	13/60 (22%)	1/2 (50%)
Overall	516/2554 (20%)	254/1444 (18%)	204/844 (24%)	58/266 (22%)

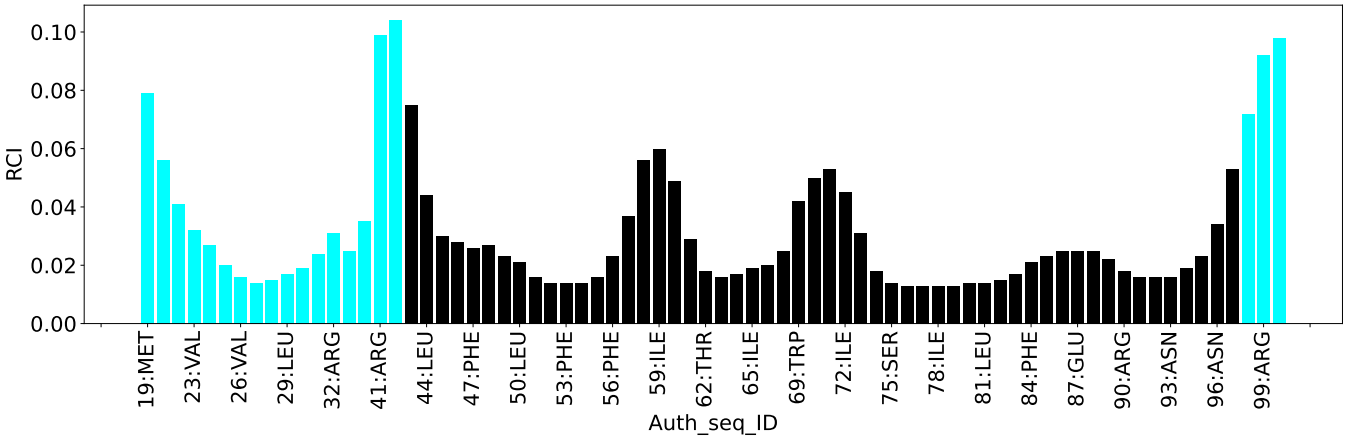
7.1.4 Statistically unusual chemical shifts

There are no statistically unusual chemical shifts.

7.1.5 Random Coil Index (RCI) plots

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

Random coil index (RCI) for chain A:


RCI
0.10
0.08
0.06
0.04
0.02
0.00
19:MET
23:VAL
26:VAL
29:LEU
32:ARG
41:ARG
44:LEU
47:PHE
50:LEU
53:PHE
56:PHE
59:ILE
62:THR
65:ILE
69:TRP
72:ILE
75:SER
78:ILE
81:LEU
84:PHE
87:GLU
90:ARG
93:ASN
96:ASN
99:ARG
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	3852
Intra-residue (|i-j|=0)	1246
Sequential (|i-j|=1)	873
Medium range (|i-j|>1 and |i-j|<5)	907
Long range (|i-j|≥5)	418
Inter-chain	408
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	23.5
Number of long range restraints per residue[1]	2.5

[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)	130.2	0.2
0.2-0.5 (Medium)	198.3	0.5
>0.5 (Large)	145.2	5.34

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)

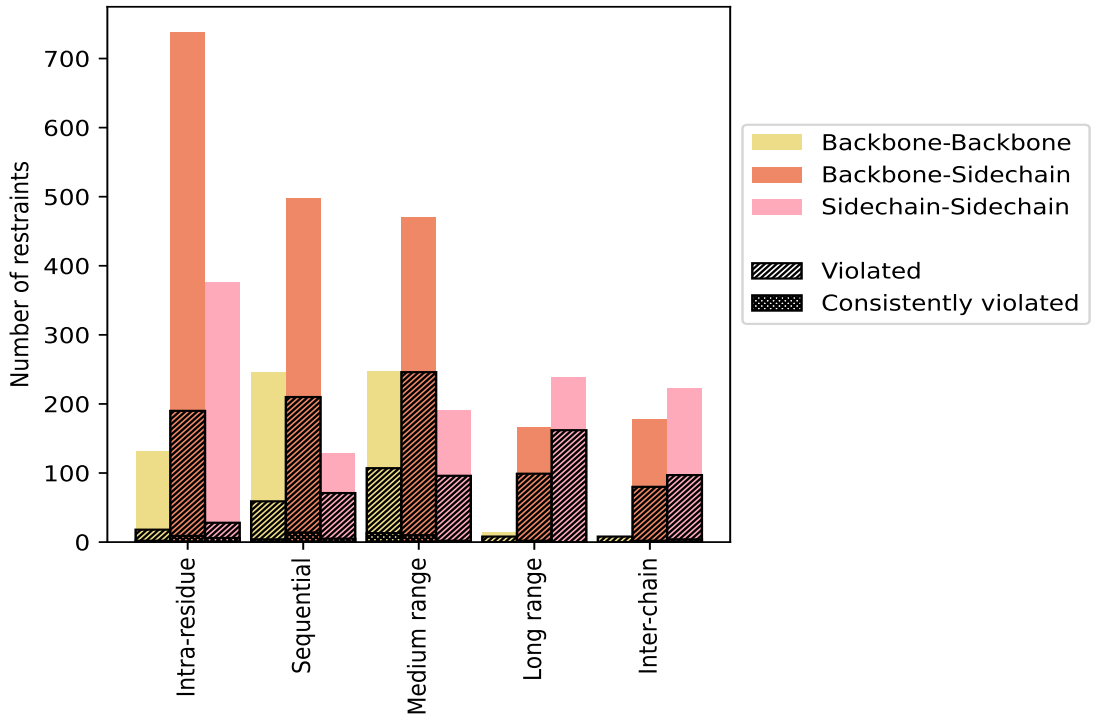
9.1 Summary of distance violations (i)

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)	1246	32.3	236	18.9	6.1	17	1.4	0.4
Backbone-Backbone	132	3.4	18	13.6	0.5	2	1.5	0.1
Backbone-Sidechain	738	19.2	190	25.7	4.9	9	1.2	0.2
Sidechain-Sidechain	376	9.8	28	7.4	0.7	6	1.6	0.2
Sequential (|i-j|=1)	873	22.7	340	38.9	8.8	23	2.6	0.6
Backbone-Backbone	246	6.4	59	24.0	1.5	4	1.6	0.1
Backbone-Sidechain	498	12.9	210	42.2	5.5	14	2.8	0.4
Sidechain-Sidechain	129	3.3	71	55.0	1.8	5	3.9	0.1
Medium range (|i-j|>1 & |i-j|<5)	907	23.5	449	49.5	11.7	25	2.8	0.6
Backbone-Backbone	247	6.4	107	43.3	2.8	13	5.3	0.3
Backbone-Sidechain	470	12.2	246	52.3	6.4	10	2.1	0.3
Sidechain-Sidechain	190	4.9	96	50.5	2.5	2	1.1	0.1
Long range (|i-j|≥5)	418	10.9	269	64.4	7.0	2	0.5	0.1
Backbone-Backbone	14	0.4	8	57.1	0.2	0	0.0	0.0
Backbone-Sidechain	166	4.3	99	59.6	2.6	2	1.2	0.1
Sidechain-Sidechain	238	6.2	162	68.1	4.2	0	0.0	0.0
Inter-chain	408	10.6	185	45.3	4.8	6	1.5	0.2
Backbone-Backbone	8	0.2	8	100.0	0.2	0	0.0	0.0
Backbone-Sidechain	178	4.6	80	44.9	2.1	2	1.1	0.1
Sidechain-Sidechain	222	5.8	97	43.7	2.5	4	1.8	0.1
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	3852	100.0	1479	38.4	38.4	73	1.9	1.9
Backbone-Backbone	647	16.8	200	30.9	5.2	19	2.9	0.5
Backbone-Sidechain	2050	53.2	825	40.2	21.4	37	1.8	1.0
Sidechain-Sidechain	1155	30.0	454	39.3	11.8	17	1.5	0.4

[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	104	119	165	82	77	547	0.54	3.66	0.55	0.37
2	95	126	145	83	63	512	0.54	2.76	0.51	0.35
3	109	114	165	66	41	495	0.49	2.7	0.44	0.34
4	101	121	159	53	75	509	0.49	2.99	0.47	0.34
5	86	122	167	74	54	503	0.55	5.18	0.56	0.36
6	104	143	133	68	34	482	0.43	1.87	0.34	0.31
7	86	124	159	39	47	455	0.45	2.82	0.44	0.3
8	100	115	153	75	57	500	0.48	2.38	0.39	0.37
9	89	98	138	58	61	444	0.42	2.13	0.34	0.31
10	86	119	158	61	69	493	0.46	2.08	0.4	0.31

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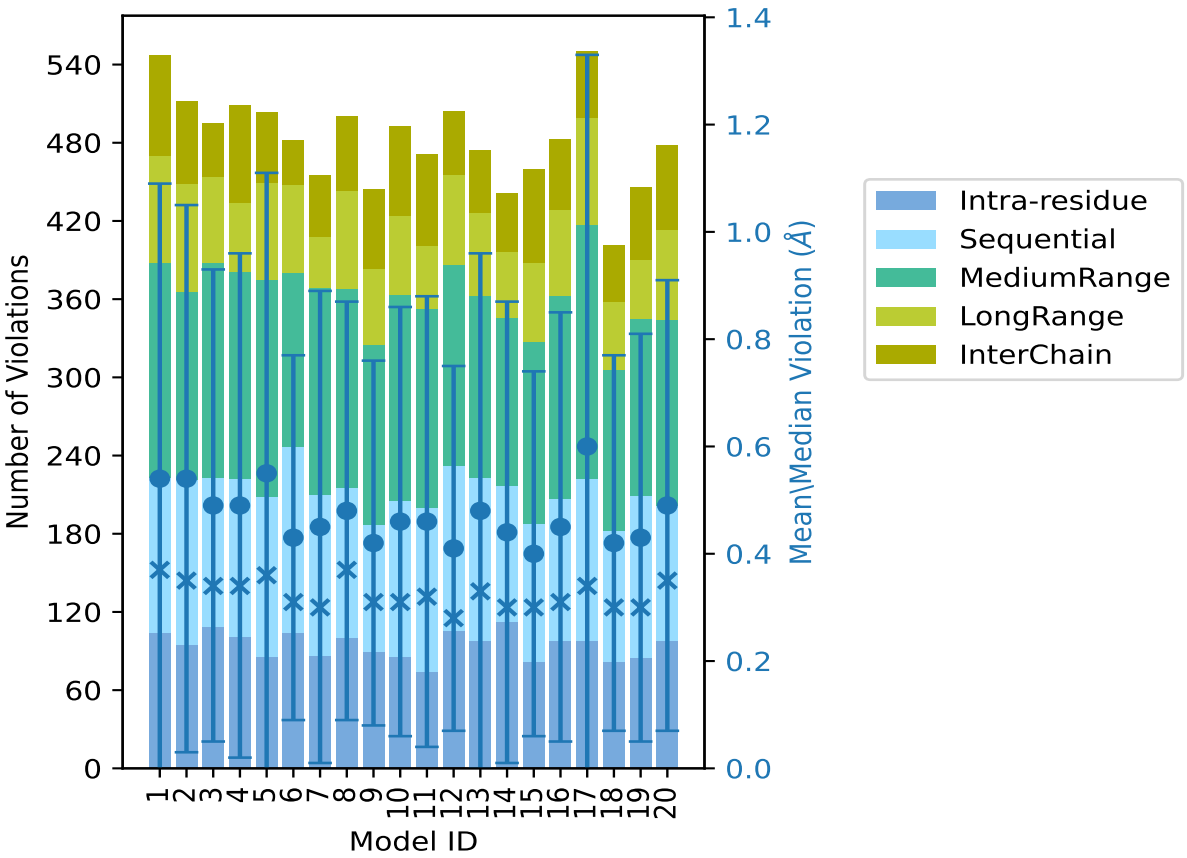
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	74	126	153	48	70	471	0.46	2.65	0.42	0.32
12	106	126	154	69	49	504	0.41	2.0	0.34	0.28
13	98	125	140	63	48	474	0.48	4.56	0.48	0.33
14	112	105	129	50	45	441	0.44	3.61	0.43	0.3
15	82	106	139	61	72	460	0.4	2.28	0.34	0.3
16	98	109	156	66	54	483	0.45	2.35	0.4	0.31
17	98	124	195	82	51	550	0.6	5.34	0.73	0.34
18	82	100	124	52	43	401	0.42	1.84	0.35	0.3
19	85	124	136	45	56	446	0.43	1.88	0.38	0.3
20	98	104	142	69	65	478	0.49	2.59	0.42	0.35

[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

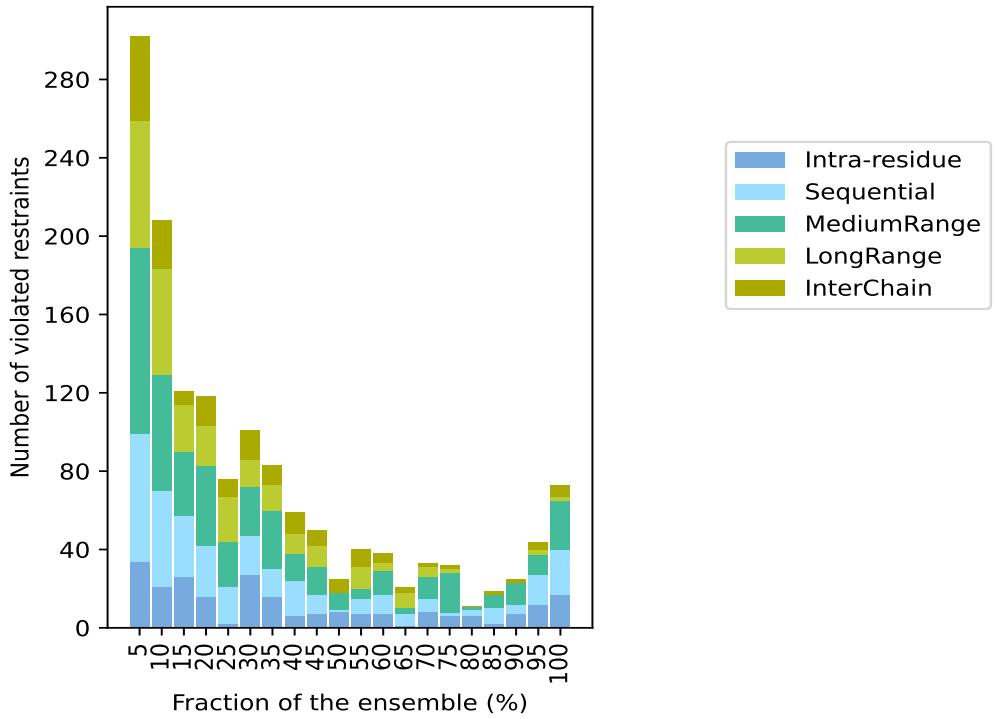
9.3 Distance violation statistics for the ensemble (i)

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, 2373(IR:1010, SQ:533, MR:458, LR:149, IC:223) 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]	%
34	65	95	65	43	302	1	5.0
21	49	59	54	25	208	2	10.0
26	31	33	24	7	121	3	15.0
16	26	41	20	15	118	4	20.0
2	19	23	23	9	76	5	25.0
27	20	25	14	15	101	6	30.0
16	14	30	13	10	83	7	35.0
6	18	14	10	11	59	8	40.0
7	10	14	11	8	50	9	45.0
8	1	9	0	7	25	10	50.0
7	8	5	11	9	40	11	55.0
7	10	12	4	5	38	12	60.0
1	6	3	8	3	21	13	65.0
8	7	11	5	2	33	14	70.0
6	2	20	2	2	32	15	75.0
6	3	2	0	0	11	16	80.0
2	8	7	0	2	19	17	85.0
7	5	11	0	2	25	18	90.0
12	15	10	3	4	44	19	95.0
17	23	25	2	6	73	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

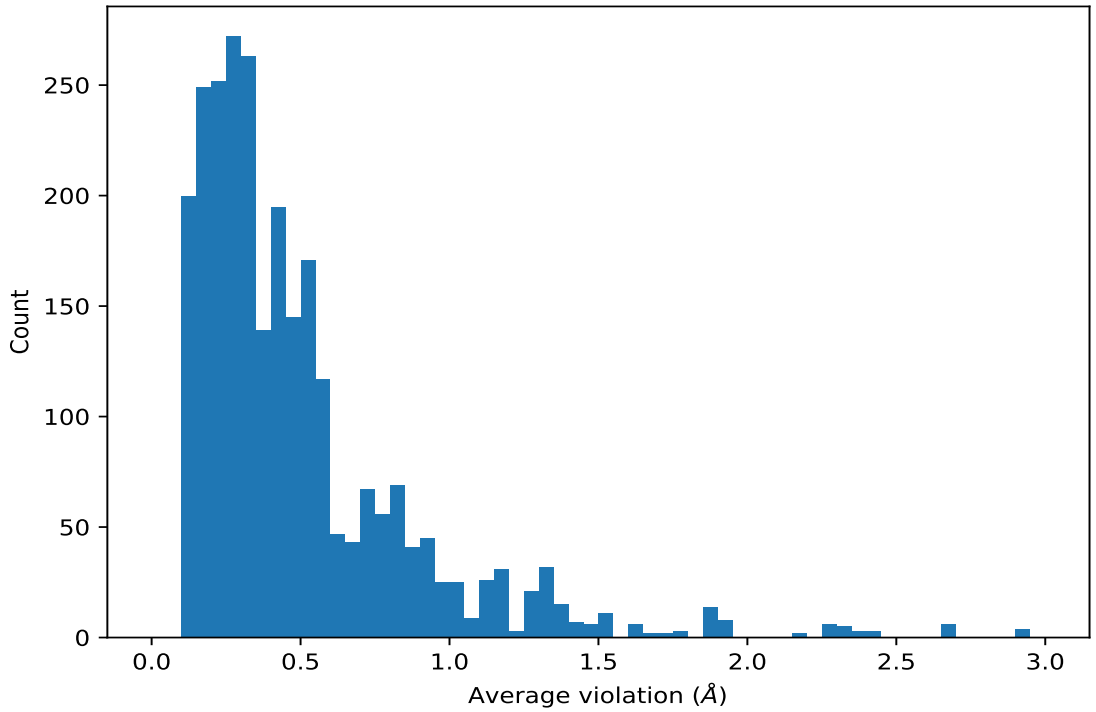
9.3.1 Bar graph : Distance violation statistics for the ensemble



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)
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	20	1.52	0.35	1.44
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	20	1.52	0.35	1.44
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	20	1.52	0.35	1.44
(1,2566)	1:62:B:THR:HG21	1:65:B:ILE:HG12	20	1.36	0.2	1.36
(1,2566)	1:62:B:THR:HG22	1:65:B:ILE:HG12	20	1.36	0.2	1.36
(1,2566)	1:62:B:THR:HG23	1:65:B:ILE:HG12	20	1.36	0.2	1.36
(1,2565)	1:62:A:THR:HG21	1:65:A:ILE:HG12	20	1.36	0.2	1.36
(1,2565)	1:62:A:THR:HG22	1:65:A:ILE:HG12	20	1.36	0.2	1.36
(1,2565)	1:62:A:THR:HG23	1:65:A:ILE:HG12	20	1.36	0.2	1.36
(1,3258)	1:92:B:LEU:HD21	1:85:A:ARG:HB3	20	1.35	0.19	1.36
(1,3258)	1:92:B:LEU:HD22	1:85:A:ARG:HB3	20	1.35	0.19	1.36
(1,3258)	1:92:B:LEU:HD23	1:85:A:ARG:HB3	20	1.35	0.19	1.36
(2,285)	1:92:A:LEU:HD21	1:85:B:ARG:HB3	20	1.34	0.19	1.35
(2,285)	1:92:A:LEU:HD22	1:85:B:ARG:HB3	20	1.34	0.19	1.35
(2,285)	1:92:A:LEU:HD23	1:85:B:ARG:HB3	20	1.34	0.19	1.35
(1,3395)	1:80:A:VAL:HG11	1:79:A:ASN:HA	20	0.97	0.02	0.97

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3395)	1:80:A:VAL:HG12	1:79:A:ASN:HA	20	0.97	0.02	0.97
(1,3395)	1:80:A:VAL:HG13	1:79:A:ASN:HA	20	0.97	0.02	0.97
(1,496)	1:26:A:VAL:HG21	1:28:A:GLN:H	20	0.84	0.09	0.86
(1,496)	1:26:A:VAL:HG22	1:28:A:GLN:H	20	0.84	0.09	0.86
(1,496)	1:26:A:VAL:HG23	1:28:A:GLN:H	20	0.84	0.09	0.86
(1,1689)	1:92:A:LEU:HD11	1:93:A:ASN:H	20	0.79	0.04	0.8
(1,1689)	1:92:A:LEU:HD12	1:93:A:ASN:H	20	0.79	0.04	0.8
(1,1689)	1:92:A:LEU:HD13	1:93:A:ASN:H	20	0.79	0.04	0.8
(1,1690)	1:92:B:LEU:HD11	1:93:B:ASN:H	20	0.79	0.04	0.8
(1,1690)	1:92:B:LEU:HD12	1:93:B:ASN:H	20	0.79	0.04	0.8
(1,1690)	1:92:B:LEU:HD13	1:93:B:ASN:H	20	0.79	0.04	0.8
(1,1828)	1:92:A:LEU:H	1:89:A:GLY:HA3	20	0.74	0.07	0.72
(1,3339)	1:62:A:THR:HA	1:25:A:THR:HB	20	0.73	0.41	0.76
(1,3340)	1:62:B:THR:HA	1:25:B:THR:HB	20	0.73	0.41	0.76
(1,71)	1:92:B:LEU:HD21	1:82:A:ARG:HA	20	0.68	0.15	0.66
(1,71)	1:92:B:LEU:HD22	1:82:A:ARG:HA	20	0.68	0.15	0.66
(1,71)	1:92:B:LEU:HD23	1:82:A:ARG:HA	20	0.68	0.15	0.66
(1,70)	1:92:A:LEU:HD21	1:82:B:ARG:HA	20	0.67	0.15	0.66
(1,70)	1:92:A:LEU:HD22	1:82:B:ARG:HA	20	0.67	0.15	0.66
(1,70)	1:92:A:LEU:HD23	1:82:B:ARG:HA	20	0.67	0.15	0.66
(1,3224)	1:95:B:LEU:HD21	1:96:B:ASN:HB2	20	0.66	0.1	0.66
(1,3224)	1:95:B:LEU:HD22	1:96:B:ASN:HB2	20	0.66	0.1	0.66
(1,3224)	1:95:B:LEU:HD23	1:96:B:ASN:HB2	20	0.66	0.1	0.66
(1,3225)	1:95:A:LEU:HD21	1:96:A:ASN:HB2	20	0.66	0.1	0.66
(1,3225)	1:95:A:LEU:HD22	1:96:A:ASN:HB2	20	0.66	0.1	0.66
(1,3225)	1:95:A:LEU:HD23	1:96:A:ASN:HB2	20	0.66	0.1	0.66
(1,2684)	1:46:A:LEU:H	1:47:A:PHE:HB2	20	0.59	0.11	0.59
(1,2685)	1:46:B:LEU:H	1:47:B:PHE:HB2	20	0.58	0.11	0.58
(1,3198)	1:48:B:MET:HB2	1:47:B:PHE:HB2	20	0.56	0.15	0.55
(1,3197)	1:48:A:MET:HB2	1:47:A:PHE:HB2	20	0.56	0.15	0.55
(1,1337)	1:95:A:LEU:HD11	1:94:A:ILE:H	20	0.52	0.08	0.51
(1,1337)	1:95:A:LEU:HD12	1:94:A:ILE:H	20	0.52	0.08	0.51
(1,1337)	1:95:A:LEU:HD13	1:94:A:ILE:H	20	0.52	0.08	0.51
(1,1336)	1:95:B:LEU:HD11	1:94:B:ILE:H	20	0.51	0.08	0.52
(1,1336)	1:95:B:LEU:HD12	1:94:B:ILE:H	20	0.51	0.08	0.52
(1,1336)	1:95:B:LEU:HD13	1:94:B:ILE:H	20	0.51	0.08	0.52
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG3	20	0.51	0.46	0.36
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG3	20	0.51	0.46	0.36
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG3	20	0.51	0.46	0.36
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG2	20	0.51	0.46	0.36
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG2	20	0.51	0.46	0.36
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG2	20	0.51	0.46	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2271)	1:23:B:VAL:HG11	1:23:B:VAL:HA	20	0.5	0.01	0.5
(1,2271)	1:23:B:VAL:HG12	1:23:B:VAL:HA	20	0.5	0.01	0.5
(1,2271)	1:23:B:VAL:HG13	1:23:B:VAL:HA	20	0.5	0.01	0.5
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG3	20	0.5	0.47	0.4
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG3	20	0.5	0.47	0.4
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG3	20	0.5	0.47	0.4
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG2	20	0.5	0.47	0.4
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG2	20	0.5	0.47	0.4
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG2	20	0.5	0.47	0.4
(1,3439)	1:81:B:LEU:HA	1:82:B:ARG:HA	20	0.47	0.03	0.48
(1,3438)	1:81:A:LEU:HA	1:82:A:ARG:HA	20	0.47	0.03	0.48
(1,1262)	1:42:A:GLY:HA2	1:43:A:PRO:HD3	20	0.47	0.19	0.5
(1,1263)	1:42:B:GLY:HA2	1:43:B:PRO:HD3	20	0.46	0.19	0.5
(1,1063)	1:27:A:GLN:H	1:29:A:LEU:H	20	0.41	0.11	0.42
(1,1062)	1:27:B:GLN:H	1:29:B:LEU:H	20	0.41	0.11	0.42
(1,2227)	1:61:B:PRO:HD3	1:61:B:PRO:HA	20	0.39	0.06	0.4
(1,2227)	1:61:B:PRO:HD2	1:61:B:PRO:HA	20	0.39	0.06	0.4
(1,2226)	1:61:A:PRO:HD3	1:61:A:PRO:HA	20	0.39	0.06	0.4
(1,2226)	1:61:A:PRO:HD2	1:61:A:PRO:HA	20	0.39	0.06	0.4
(1,2806)	1:23:B:VAL:HG21	1:24:B:SER:HA	20	0.39	0.13	0.38
(1,2806)	1:23:B:VAL:HG22	1:24:B:SER:HA	20	0.39	0.13	0.38
(1,2806)	1:23:B:VAL:HG23	1:24:B:SER:HA	20	0.39	0.13	0.38
(1,710)	1:66:A:LEU:H	1:64:A:GLY:H	20	0.37	0.08	0.36
(1,711)	1:66:B:LEU:H	1:64:B:GLY:H	20	0.37	0.09	0.36
(1,3405)	1:77:B:ALA:HB1	1:76:B:LYS:H	20	0.36	0.09	0.36
(1,3405)	1:77:B:ALA:HB2	1:76:B:LYS:H	20	0.36	0.09	0.36
(1,3405)	1:77:B:ALA:HB3	1:76:B:LYS:H	20	0.36	0.09	0.36
(1,3406)	1:77:A:ALA:HB1	1:76:A:LYS:H	20	0.36	0.09	0.35
(1,3406)	1:77:A:ALA:HB2	1:76:A:LYS:H	20	0.36	0.09	0.35
(1,3406)	1:77:A:ALA:HB3	1:76:A:LYS:H	20	0.36	0.09	0.35
(1,3455)	1:90:B:ARG:HA	1:92:B:LEU:H	20	0.34	0.06	0.36
(1,3454)	1:90:A:ARG:HA	1:92:A:LEU:H	20	0.34	0.06	0.34
(1,699)	1:67:B:LYS:H	1:67:B:LYS:HA	20	0.34	0.01	0.34
(1,700)	1:67:A:LYS:H	1:67:A:LYS:HA	20	0.34	0.01	0.34
(1,3252)	1:49:A:ALA:HB1	1:53:A:PHE:H	20	0.34	0.06	0.34
(1,3252)	1:49:A:ALA:HB2	1:53:A:PHE:H	20	0.34	0.06	0.34
(1,3252)	1:49:A:ALA:HB3	1:53:A:PHE:H	20	0.34	0.06	0.34
(1,2843)	1:92:B:LEU:HA	1:93:B:ASN:H	20	0.34	0.01	0.34
(1,2844)	1:92:A:LEU:HA	1:93:A:ASN:H	20	0.34	0.01	0.34
(1,3253)	1:49:B:ALA:HB1	1:53:B:PHE:H	20	0.34	0.06	0.34
(1,3253)	1:49:B:ALA:HB2	1:53:B:PHE:H	20	0.34	0.06	0.34
(1,3253)	1:49:B:ALA:HB3	1:53:B:PHE:H	20	0.34	0.06	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2717)	1:63:B:ALA:HB1	1:66:B:LEU:H	20	0.32	0.08	0.33
(1,2717)	1:63:B:ALA:HB2	1:66:B:LEU:H	20	0.32	0.08	0.33
(1,2717)	1:63:B:ALA:HB3	1:66:B:LEU:H	20	0.32	0.08	0.33
(1,2718)	1:63:A:ALA:HB1	1:66:A:LEU:H	20	0.32	0.08	0.33
(1,2718)	1:63:A:ALA:HB2	1:66:A:LEU:H	20	0.32	0.08	0.33
(1,2718)	1:63:A:ALA:HB3	1:66:A:LEU:H	20	0.32	0.08	0.33
(1,1499)	1:65:B:ILE:HD11	1:66:B:LEU:H	20	0.31	0.07	0.3
(1,1499)	1:65:B:ILE:HD12	1:66:B:LEU:H	20	0.31	0.07	0.3
(1,1499)	1:65:B:ILE:HD13	1:66:B:LEU:H	20	0.31	0.07	0.3
(1,1500)	1:65:A:ILE:HD11	1:66:A:LEU:H	20	0.31	0.07	0.3
(1,1500)	1:65:A:ILE:HD12	1:66:A:LEU:H	20	0.31	0.07	0.3
(1,1500)	1:65:A:ILE:HD13	1:66:A:LEU:H	20	0.31	0.07	0.3
(1,854)	1:81:A:LEU:H	1:79:A:ASN:H	20	0.31	0.05	0.32
(1,853)	1:81:B:LEU:H	1:79:B:ASN:H	20	0.31	0.05	0.31
(1,1747)	1:88:B:ILE:HG21	1:86:B:LYS:H	20	0.3	0.11	0.28
(1,1747)	1:88:B:ILE:HG22	1:86:B:LYS:H	20	0.3	0.11	0.28
(1,1747)	1:88:B:ILE:HG23	1:86:B:LYS:H	20	0.3	0.11	0.28
(1,1748)	1:88:A:ILE:HG21	1:86:A:LYS:H	20	0.3	0.11	0.28
(1,1748)	1:88:A:ILE:HG22	1:86:A:LYS:H	20	0.3	0.11	0.28
(1,1748)	1:88:A:ILE:HG23	1:86:A:LYS:H	20	0.3	0.11	0.28
(1,2517)	1:80:A:VAL:HG21	1:84:A:PHE:H	20	0.29	0.07	0.29
(1,2517)	1:80:A:VAL:HG22	1:84:A:PHE:H	20	0.29	0.07	0.29
(1,2517)	1:80:A:VAL:HG23	1:84:A:PHE:H	20	0.29	0.07	0.29
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD1	20	0.28	0.09	0.28
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD2	20	0.28	0.09	0.28
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD1	20	0.28	0.09	0.27
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD2	20	0.28	0.09	0.27
(1,741)	1:77:A:ALA:H	1:80:A:VAL:H	20	0.24	0.04	0.26
(1,742)	1:77:B:ALA:H	1:80:B:VAL:H	20	0.24	0.04	0.25
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	20	0.23	0.01	0.23
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD3	20	0.23	0.01	0.23
(1,2058)	1:49:B:ALA:H	1:52:B:ALA:H	20	0.23	0.06	0.22
(1,1404)	1:67:A:LYS:HD3	1:67:A:LYS:HE2	20	0.23	0.01	0.23
(1,1404)	1:67:A:LYS:HD2	1:67:A:LYS:HE3	20	0.23	0.01	0.23
(1,1404)	1:67:A:LYS:HD2	1:67:A:LYS:HE2	20	0.23	0.01	0.23
(1,1403)	1:67:B:LYS:HD3	1:67:B:LYS:HE2	20	0.23	0.01	0.23
(1,1403)	1:67:B:LYS:HD2	1:67:B:LYS:HE3	20	0.23	0.01	0.23
(1,1403)	1:67:B:LYS:HD2	1:67:B:LYS:HE2	20	0.23	0.01	0.23
(2,74)	1:45:B:LYS:HG3	1:45:B:LYS:HD2	20	0.23	0.01	0.23
(2,74)	1:45:B:LYS:HG3	1:45:B:LYS:HD3	20	0.23	0.01	0.23
(2,74)	1:45:B:LYS:HG2	1:45:B:LYS:HD3	20	0.23	0.01	0.23
(2,74)	1:45:B:LYS:HG2	1:45:B:LYS:HD2	20	0.23	0.01	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2057)	1:49:A:ALA:H	1:52:A:ALA:H	20	0.23	0.06	0.22
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB3	20	0.22	0.03	0.23
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB2	20	0.22	0.03	0.23
(1,3249)	1:76:B:LYS:HB3	1:76:B:LYS:HA	20	0.22	0.04	0.21
(1,3249)	1:76:B:LYS:HB2	1:76:B:LYS:HA	20	0.22	0.04	0.21
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB3	20	0.22	0.03	0.23
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB2	20	0.22	0.03	0.23
(2,308)	1:76:A:LYS:HB3	1:76:A:LYS:HA	20	0.22	0.04	0.21
(2,308)	1:76:A:LYS:HB2	1:76:A:LYS:HA	20	0.22	0.04	0.21
(1,576)	1:39:B:GLN:HB2	1:39:B:GLN:HB3	20	0.14	0.0	0.14
(1,575)	1:39:A:GLN:HB2	1:39:A:GLN:HB3	20	0.13	0.01	0.14
(1,1848)	1:97:A:ARG:HA	1:97:A:ARG:HB3	20	0.12	0.0	0.12
(1,1849)	1:97:B:ARG:HA	1:97:B:ARG:HB3	20	0.12	0.0	0.12
(1,2121)	1:51:A:VAL:HG21	1:52:A:ALA:HA	19	1.27	0.01	1.27
(1,2121)	1:51:A:VAL:HG22	1:52:A:ALA:HA	19	1.27	0.01	1.27
(1,2121)	1:51:A:VAL:HG23	1:52:A:ALA:HA	19	1.27	0.01	1.27
(1,2122)	1:51:B:VAL:HG21	1:52:B:ALA:HA	19	1.27	0.01	1.27
(1,2122)	1:51:B:VAL:HG22	1:52:B:ALA:HA	19	1.27	0.01	1.27
(1,2122)	1:51:B:VAL:HG23	1:52:B:ALA:HA	19	1.27	0.01	1.27
(1,3360)	1:51:A:VAL:HG11	1:65:A:ILE:HG13	19	1.1	0.26	1.12
(1,3360)	1:51:A:VAL:HG12	1:65:A:ILE:HG13	19	1.1	0.26	1.12
(1,3360)	1:51:A:VAL:HG13	1:65:A:ILE:HG13	19	1.1	0.26	1.12
(1,3361)	1:51:B:VAL:HG11	1:65:B:ILE:HG13	19	1.1	0.26	1.11
(1,3361)	1:51:B:VAL:HG12	1:65:B:ILE:HG13	19	1.1	0.26	1.11
(1,3361)	1:51:B:VAL:HG13	1:65:B:ILE:HG13	19	1.1	0.26	1.11
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	19	0.78	0.12	0.77
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	19	0.78	0.12	0.77
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	19	0.78	0.12	0.77
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	19	0.78	0.12	0.77
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	19	0.78	0.12	0.77
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	19	0.78	0.12	0.77
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	19	0.78	0.12	0.77
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	19	0.78	0.12	0.77
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	19	0.78	0.12	0.77
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	19	0.78	0.12	0.77
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	19	0.78	0.12	0.77
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	19	0.78	0.12	0.77
(1,1311)	1:95:A:LEU:HD11	1:69:B:TRP:HH2	19	0.55	0.26	0.56
(1,1311)	1:95:A:LEU:HD12	1:69:B:TRP:HH2	19	0.55	0.26	0.56
(1,1311)	1:95:A:LEU:HD13	1:69:B:TRP:HH2	19	0.55	0.26	0.56
(1,1633)	1:48:B:MET:H	1:48:B:MET:HG3	19	0.54	0.05	0.54
(1,1633)	1:48:B:MET:H	1:48:B:MET:HG2	19	0.54	0.05	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,253)	1:48:A:MET:H	1:48:A:MET:HG3	19	0.54	0.05	0.53
(2,253)	1:48:A:MET:H	1:48:A:MET:HG2	19	0.54	0.05	0.53
(1,2808)	1:23:B:VAL:HG11	1:24:B:SER:HA	19	0.5	0.17	0.42
(1,2808)	1:23:B:VAL:HG12	1:24:B:SER:HA	19	0.5	0.17	0.42
(1,2808)	1:23:B:VAL:HG13	1:24:B:SER:HA	19	0.5	0.17	0.42
(1,1798)	1:84:A:PHE:HD1	1:85:B:ARG:HA	19	0.43	0.09	0.44
(1,1798)	1:84:A:PHE:HD2	1:85:B:ARG:HA	19	0.43	0.09	0.44
(1,1799)	1:84:B:PHE:HD1	1:85:A:ARG:HA	19	0.43	0.08	0.44
(1,1799)	1:84:B:PHE:HD2	1:85:A:ARG:HA	19	0.43	0.08	0.44
(1,2552)	1:58:B:THR:HA	1:59:B:ILE:HA	19	0.41	0.07	0.41
(1,2551)	1:58:A:THR:HA	1:59:A:ILE:HA	19	0.41	0.07	0.41
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG11	19	0.41	0.16	0.44
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG12	19	0.41	0.16	0.44
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG13	19	0.41	0.16	0.44
(1,1912)	1:94:A:ILE:HG21	1:97:A:ARG:H	19	0.38	0.1	0.38
(1,1912)	1:94:A:ILE:HG22	1:97:A:ARG:H	19	0.38	0.1	0.38
(1,1912)	1:94:A:ILE:HG23	1:97:A:ARG:H	19	0.38	0.1	0.38
(1,1911)	1:94:B:ILE:HG21	1:97:B:ARG:H	19	0.38	0.1	0.39
(1,1911)	1:94:B:ILE:HG22	1:97:B:ARG:H	19	0.38	0.1	0.39
(1,1911)	1:94:B:ILE:HG23	1:97:B:ARG:H	19	0.38	0.1	0.39
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD11	19	0.38	0.19	0.34
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD12	19	0.38	0.19	0.34
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD13	19	0.38	0.19	0.34
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD11	19	0.38	0.19	0.34
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD12	19	0.38	0.19	0.34
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD13	19	0.38	0.19	0.34
(1,2807)	1:23:A:VAL:HG21	1:24:A:SER:HA	19	0.35	0.09	0.36
(1,2807)	1:23:A:VAL:HG22	1:24:A:SER:HA	19	0.35	0.09	0.36
(1,2807)	1:23:A:VAL:HG23	1:24:A:SER:HA	19	0.35	0.09	0.36
(1,2807)	1:23:A:VAL:HG11	1:24:A:SER:HA	19	0.35	0.09	0.36
(1,2807)	1:23:A:VAL:HG12	1:24:A:SER:HA	19	0.35	0.09	0.36
(1,2807)	1:23:A:VAL:HG13	1:24:A:SER:HA	19	0.35	0.09	0.36
(1,2809)	1:23:A:VAL:HG21	1:24:A:SER:HA	19	0.35	0.09	0.36
(1,2809)	1:23:A:VAL:HG22	1:24:A:SER:HA	19	0.35	0.09	0.36
(1,2809)	1:23:A:VAL:HG23	1:24:A:SER:HA	19	0.35	0.09	0.36
(1,2809)	1:23:A:VAL:HG11	1:24:A:SER:HA	19	0.35	0.09	0.36
(1,2809)	1:23:A:VAL:HG12	1:24:A:SER:HA	19	0.35	0.09	0.36
(1,2809)	1:23:A:VAL:HG13	1:24:A:SER:HA	19	0.35	0.09	0.36
(1,1115)	1:92:B:LEU:HD21	1:82:A:ARG:H	19	0.32	0.09	0.31
(1,1115)	1:92:B:LEU:HD22	1:82:A:ARG:H	19	0.32	0.09	0.31
(1,1115)	1:92:B:LEU:HD23	1:82:A:ARG:H	19	0.32	0.09	0.31
(1,762)	1:51:B:VAL:HG21	1:52:B:ALA:H	19	0.31	0.03	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,762)	1:51:B:VAL:HG22	1:52:B:ALA:H	19	0.31	0.03	0.32
(1,762)	1:51:B:VAL:HG23	1:52:B:ALA:H	19	0.31	0.03	0.32
(1,763)	1:51:A:VAL:HG21	1:52:A:ALA:H	19	0.31	0.03	0.32
(1,763)	1:51:A:VAL:HG22	1:52:A:ALA:H	19	0.31	0.03	0.32
(1,763)	1:51:A:VAL:HG23	1:52:A:ALA:H	19	0.31	0.03	0.32
(1,1887)	1:48:B:MET:H	1:48:B:MET:HG3	19	0.3	0.05	0.3
(1,1887)	1:48:B:MET:H	1:48:B:MET:HG2	19	0.3	0.05	0.3
(2,152)	1:48:A:MET:H	1:48:A:MET:HG3	19	0.3	0.05	0.29
(2,152)	1:48:A:MET:H	1:48:A:MET:HG2	19	0.3	0.05	0.29
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE1	19	0.26	0.09	0.25
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE2	19	0.26	0.09	0.25
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE1	19	0.26	0.09	0.25
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE2	19	0.26	0.09	0.25
(1,1653)	1:69:B:TRP:HA	1:67:B:LYS:H	19	0.26	0.06	0.25
(1,1652)	1:69:A:TRP:HA	1:67:A:LYS:H	19	0.26	0.06	0.25
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG21	19	0.25	0.09	0.23
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG22	19	0.25	0.09	0.23
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG23	19	0.25	0.09	0.23
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG21	19	0.25	0.09	0.23
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG22	19	0.25	0.09	0.23
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG23	19	0.25	0.09	0.23
(1,850)	1:95:B:LEU:H	1:93:B:ASN:HA	19	0.25	0.05	0.25
(1,849)	1:95:A:LEU:H	1:93:A:ASN:HA	19	0.25	0.05	0.25
(1,1199)	1:58:B:THR:HA	1:58:B:THR:H	19	0.22	0.02	0.22
(1,1198)	1:58:A:THR:HA	1:58:A:THR:H	19	0.22	0.02	0.22
(1,2245)	1:45:A:LYS:HA	1:45:A:LYS:HB3	19	0.18	0.02	0.18
(1,2246)	1:45:B:LYS:HA	1:45:B:LYS:HB3	19	0.18	0.02	0.18
(1,2085)	1:92:B:LEU:HG	1:93:B:ASN:H	19	0.16	0.03	0.17
(1,2086)	1:92:A:LEU:HG	1:93:A:ASN:H	19	0.16	0.03	0.17
(1,2736)	1:78:A:ILE:HA	1:77:A:ALA:H	19	0.15	0.03	0.15
(1,2737)	1:78:B:ILE:HA	1:77:B:ALA:H	19	0.15	0.03	0.15
(1,1042)	1:92:B:LEU:HG	1:92:B:LEU:H	19	0.13	0.02	0.14
(1,1043)	1:92:A:LEU:HG	1:92:A:LEU:H	19	0.13	0.02	0.14
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD11	18	0.99	0.25	1.08
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD12	18	0.99	0.25	1.08
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD13	18	0.99	0.25	1.08
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD21	18	0.86	0.6	0.62
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD22	18	0.86	0.6	0.62
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD23	18	0.86	0.6	0.62
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD21	18	0.86	0.6	0.62
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD22	18	0.86	0.6	0.62
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD23	18	0.86	0.6	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD11	18	0.63	0.06	0.62
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD12	18	0.63	0.06	0.62
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD13	18	0.63	0.06	0.62
(1,1312)	1:95:B:LEU:HD11	1:69:A:TRP:HH2	18	0.58	0.26	0.68
(1,1312)	1:95:B:LEU:HD12	1:69:A:TRP:HH2	18	0.58	0.26	0.68
(1,1312)	1:95:B:LEU:HD13	1:69:A:TRP:HH2	18	0.58	0.26	0.68
(1,3171)	1:57:B:LEU:HD11	1:53:B:PHE:HB3	18	0.54	0.22	0.54
(1,3171)	1:57:B:LEU:HD12	1:53:B:PHE:HB3	18	0.54	0.22	0.54
(1,3171)	1:57:B:LEU:HD13	1:53:B:PHE:HB3	18	0.54	0.22	0.54
(1,3410)	1:94:A:ILE:HA	1:97:A:ARG:HB2	18	0.5	0.27	0.45
(1,3409)	1:94:B:ILE:HA	1:97:B:ARG:HB2	18	0.5	0.27	0.44
(1,1114)	1:92:A:LEU:HD21	1:82:B:ARG:H	18	0.32	0.09	0.31
(1,1114)	1:92:A:LEU:HD22	1:82:B:ARG:H	18	0.32	0.09	0.31
(1,1114)	1:92:A:LEU:HD23	1:82:B:ARG:H	18	0.32	0.09	0.31
(1,2033)	1:26:A:VAL:HA	1:25:A:THR:HA	18	0.3	0.06	0.3
(1,2034)	1:26:B:VAL:HA	1:25:B:THR:HA	18	0.3	0.06	0.3
(1,340)	1:75:B:SER:H	1:75:B:SER:HB2	18	0.28	0.14	0.24
(1,341)	1:75:A:SER:H	1:75:A:SER:HB2	18	0.27	0.14	0.23
(1,1701)	1:84:B:PHE:HA	1:87:B:GLU:H	18	0.23	0.07	0.22
(1,1702)	1:84:A:PHE:HA	1:87:A:GLU:H	18	0.23	0.08	0.22
(1,1435)	1:57:B:LEU:HD11	1:57:B:LEU:H	18	0.23	0.07	0.25
(1,1435)	1:57:B:LEU:HD12	1:57:B:LEU:H	18	0.23	0.07	0.25
(1,1435)	1:57:B:LEU:HD13	1:57:B:LEU:H	18	0.23	0.07	0.25
(1,515)	1:79:B:ASN:H	1:77:B:ALA:H	18	0.2	0.06	0.18
(1,516)	1:79:A:ASN:H	1:77:A:ALA:H	18	0.2	0.06	0.19
(1,1147)	1:25:B:THR:HG21	1:24:B:SER:HA	18	0.19	0.12	0.16
(1,1147)	1:25:B:THR:HG22	1:24:B:SER:HA	18	0.19	0.12	0.16
(1,1147)	1:25:B:THR:HG23	1:24:B:SER:HA	18	0.19	0.12	0.16
(1,1146)	1:25:A:THR:HG21	1:24:A:SER:HA	18	0.18	0.12	0.15
(1,1146)	1:25:A:THR:HG22	1:24:A:SER:HA	18	0.18	0.12	0.15
(1,1146)	1:25:A:THR:HG23	1:24:A:SER:HA	18	0.18	0.12	0.15
(1,362)	1:76:B:LYS:HB3	1:76:B:LYS:H	18	0.18	0.21	0.13
(1,362)	1:76:B:LYS:HB2	1:76:B:LYS:H	18	0.18	0.21	0.13
(2,187)	1:76:A:LYS:HB3	1:76:A:LYS:H	18	0.18	0.21	0.13
(2,187)	1:76:A:LYS:HB2	1:76:A:LYS:H	18	0.18	0.21	0.13
(1,1251)	1:43:B:PRO:HB3	1:43:B:PRO:HD3	18	0.17	0.01	0.17
(1,1250)	1:43:A:PRO:HB3	1:43:A:PRO:HD3	18	0.17	0.01	0.17
(1,2416)	1:62:A:THR:H	1:63:A:ALA:HA	18	0.17	0.04	0.17
(1,213)	1:83:A:GLY:HA2	1:87:A:GLU:HG2	17	1.0	0.2	0.97
(1,212)	1:83:B:GLY:HA2	1:87:B:GLU:HG2	17	1.0	0.2	0.96
(1,3248)	1:26:A:VAL:HG21	1:27:A:GLN:HG3	17	0.59	0.31	0.61
(1,3248)	1:26:A:VAL:HG22	1:27:A:GLN:HG3	17	0.59	0.31	0.61

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3248)	1:26:A:VAL:HG23	1:27:A:GLN:HG3	17	0.59	0.31	0.61
(1,332)	1:62:B:THR:HG21	1:64:B:GLY:HA2	17	0.53	0.27	0.53
(1,332)	1:62:B:THR:HG22	1:64:B:GLY:HA2	17	0.53	0.27	0.53
(1,332)	1:62:B:THR:HG23	1:64:B:GLY:HA2	17	0.53	0.27	0.53
(1,333)	1:62:A:THR:HG21	1:64:A:GLY:HA2	17	0.52	0.27	0.52
(1,333)	1:62:A:THR:HG22	1:64:A:GLY:HA2	17	0.52	0.27	0.52
(1,333)	1:62:A:THR:HG23	1:64:A:GLY:HA2	17	0.52	0.27	0.52
(1,662)	1:62:B:THR:H	1:66:B:LEU:H	17	0.46	0.25	0.37
(1,663)	1:62:A:THR:H	1:66:A:LEU:H	17	0.46	0.26	0.36
(1,2096)	1:23:B:VAL:HG11	1:24:B:SER:H	17	0.38	0.31	0.23
(1,2096)	1:23:B:VAL:HG12	1:24:B:SER:H	17	0.38	0.31	0.23
(1,2096)	1:23:B:VAL:HG13	1:24:B:SER:H	17	0.38	0.31	0.23
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD11	17	0.33	0.13	0.28
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD12	17	0.33	0.13	0.28
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD13	17	0.33	0.13	0.28
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD11	17	0.33	0.15	0.31
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD12	17	0.33	0.15	0.31
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD13	17	0.33	0.15	0.31
(1,1195)	1:42:A:GLY:HA2	1:43:A:PRO:HG3	17	0.31	0.1	0.31
(1,1195)	1:42:A:GLY:HA2	1:43:A:PRO:HG2	17	0.31	0.1	0.31
(1,1194)	1:42:B:GLY:HA2	1:43:B:PRO:HG3	17	0.31	0.1	0.31
(1,1194)	1:42:B:GLY:HA2	1:43:B:PRO:HG2	17	0.31	0.1	0.31
(1,2966)	1:80:A:VAL:HG21	1:84:A:PHE:HB2	17	0.3	0.1	0.28
(1,2966)	1:80:A:VAL:HG22	1:84:A:PHE:HB2	17	0.3	0.1	0.28
(1,2966)	1:80:A:VAL:HG23	1:84:A:PHE:HB2	17	0.3	0.1	0.28
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG21	17	0.25	0.05	0.25
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG22	17	0.25	0.05	0.25
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG23	17	0.25	0.05	0.25
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG21	17	0.24	0.05	0.25
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG22	17	0.24	0.05	0.25
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG23	17	0.24	0.05	0.25
(1,894)	1:25:A:THR:HG21	1:25:A:THR:H	17	0.18	0.03	0.18
(1,894)	1:25:A:THR:HG22	1:25:A:THR:H	17	0.18	0.03	0.18
(1,894)	1:25:A:THR:HG23	1:25:A:THR:H	17	0.18	0.03	0.18
(1,893)	1:25:B:THR:HG21	1:25:B:THR:H	17	0.18	0.03	0.18
(1,893)	1:25:B:THR:HG22	1:25:B:THR:H	17	0.18	0.03	0.18
(1,893)	1:25:B:THR:HG23	1:25:B:THR:H	17	0.18	0.03	0.18
(1,2417)	1:62:B:THR:H	1:63:B:ALA:HA	17	0.17	0.04	0.18
(1,1661)	1:82:B:ARG:HA	1:83:B:GLY:H	17	0.11	0.01	0.11
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD21	16	0.51	0.14	0.49
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD22	16	0.51	0.14	0.49
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD23	16	0.51	0.14	0.49

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1429)	1:72:A:ILE:HB	1:72:A:ILE:HA	16	0.49	0.01	0.49
(1,1428)	1:72:B:ILE:HB	1:72:B:ILE:HA	16	0.49	0.01	0.49
(2,266)	1:22:B:ARG:HB2	1:22:B:ARG:HD2	16	0.4	0.03	0.4
(2,266)	1:22:B:ARG:HB2	1:22:B:ARG:HD3	16	0.4	0.03	0.4
(1,1761)	1:86:A:LYS:HA	1:86:A:LYS:HG2	16	0.36	0.03	0.36
(1,783)	1:22:A:ARG:HG3	1:23:A:VAL:H	16	0.36	0.24	0.32
(1,1762)	1:86:B:LYS:HA	1:86:B:LYS:HG2	16	0.36	0.03	0.36
(1,961)	1:86:A:LYS:HD3	1:86:A:LYS:HB3	16	0.35	0.03	0.36
(1,961)	1:86:A:LYS:HD2	1:86:A:LYS:HB3	16	0.35	0.03	0.36
(1,2950)	1:80:B:VAL:HA	1:79:B:ASN:HB3	16	0.18	0.08	0.16
(1,1447)	1:91:A:MET:HA	1:94:A:ILE:H	16	0.16	0.05	0.14
(1,1660)	1:82:A:ARG:HA	1:83:A:GLY:H	16	0.11	0.0	0.11
(1,1944)	1:98:B:ARG:H	1:98:B:ARG:HD3	15	1.14	0.48	1.19
(1,1945)	1:98:A:ARG:H	1:98:A:ARG:HD3	15	1.14	0.49	1.18
(1,772)	1:30:B:THR:HG21	1:27:B:GLN:HA	15	0.89	0.2	0.92
(1,772)	1:30:B:THR:HG22	1:27:B:GLN:HA	15	0.89	0.2	0.92
(1,772)	1:30:B:THR:HG23	1:27:B:GLN:HA	15	0.89	0.2	0.92
(1,773)	1:30:A:THR:HG21	1:27:A:GLN:HA	15	0.88	0.19	0.92
(1,773)	1:30:A:THR:HG22	1:27:A:GLN:HA	15	0.88	0.19	0.92
(1,773)	1:30:A:THR:HG23	1:27:A:GLN:HA	15	0.88	0.19	0.92
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD21	15	0.86	0.54	0.65
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD22	15	0.86	0.54	0.65
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD23	15	0.86	0.54	0.65
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD21	15	0.85	0.54	0.65
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD22	15	0.85	0.54	0.65
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD23	15	0.85	0.54	0.65
(1,2397)	1:90:A:ARG:H	1:90:A:ARG:HD3	15	0.83	0.32	0.88
(1,2396)	1:90:B:ARG:H	1:90:B:ARG:HD3	15	0.83	0.32	0.88
(1,1662)	1:78:B:ILE:HG21	1:79:B:ASN:HD21	15	0.82	0.71	0.6
(1,1662)	1:78:B:ILE:HG22	1:79:B:ASN:HD21	15	0.82	0.71	0.6
(1,1662)	1:78:B:ILE:HG23	1:79:B:ASN:HD21	15	0.82	0.71	0.6
(1,1662)	1:78:B:ILE:HG21	1:79:B:ASN:HD22	15	0.82	0.71	0.6
(1,1662)	1:78:B:ILE:HG22	1:79:B:ASN:HD22	15	0.82	0.71	0.6
(1,1662)	1:78:B:ILE:HG23	1:79:B:ASN:HD22	15	0.82	0.71	0.6
(2,98)	1:78:A:ILE:HG21	1:79:A:ASN:HD21	15	0.81	0.71	0.59
(2,98)	1:78:A:ILE:HG22	1:79:A:ASN:HD21	15	0.81	0.71	0.59
(2,98)	1:78:A:ILE:HG23	1:79:A:ASN:HD21	15	0.81	0.71	0.59
(2,98)	1:78:A:ILE:HG21	1:79:A:ASN:HD22	15	0.81	0.71	0.59
(2,98)	1:78:A:ILE:HG22	1:79:A:ASN:HD22	15	0.81	0.71	0.59
(2,98)	1:78:A:ILE:HG23	1:79:A:ASN:HD22	15	0.81	0.71	0.59
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG21	15	0.48	0.24	0.42
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG22	15	0.48	0.24	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG23	15	0.48	0.24	0.42
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG21	15	0.48	0.24	0.42
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG22	15	0.48	0.24	0.42
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG23	15	0.48	0.24	0.42
(1,165)	1:69:A:TRP:HH2	1:95:B:LEU:HG	15	0.43	0.17	0.4
(1,3037)	1:44:B:LEU:HD11	1:44:B:LEU:H	15	0.41	0.07	0.43
(1,3037)	1:44:B:LEU:HD12	1:44:B:LEU:H	15	0.41	0.07	0.43
(1,3037)	1:44:B:LEU:HD13	1:44:B:LEU:H	15	0.41	0.07	0.43
(1,3038)	1:44:A:LEU:HD11	1:44:A:LEU:H	15	0.4	0.07	0.42
(1,3038)	1:44:A:LEU:HD12	1:44:A:LEU:H	15	0.4	0.07	0.42
(1,3038)	1:44:A:LEU:HD13	1:44:A:LEU:H	15	0.4	0.07	0.42
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD11	15	0.4	0.13	0.41
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD12	15	0.4	0.13	0.41
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD13	15	0.4	0.13	0.41
(2,164)	1:81:B:LEU:H	1:84:B:PHE:HB2	15	0.32	0.14	0.27
(2,164)	1:81:B:LEU:H	1:84:B:PHE:HB3	15	0.32	0.14	0.27
(1,1698)	1:81:A:LEU:H	1:84:A:PHE:HB2	15	0.32	0.14	0.28
(1,1698)	1:81:A:LEU:H	1:84:A:PHE:HB3	15	0.32	0.14	0.28
(1,3269)	1:44:B:LEU:H	1:47:B:PHE:HB2	15	0.31	0.15	0.3
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG21	15	0.28	0.2	0.19
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG22	15	0.28	0.2	0.19
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG23	15	0.28	0.2	0.19
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG21	15	0.28	0.2	0.19
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG22	15	0.28	0.2	0.19
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG23	15	0.28	0.2	0.19
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB1	15	0.27	0.08	0.26
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB2	15	0.27	0.08	0.26
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB3	15	0.27	0.08	0.26
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB1	15	0.27	0.08	0.26
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB2	15	0.27	0.08	0.26
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB3	15	0.27	0.08	0.26
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB1	15	0.27	0.08	0.26
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB2	15	0.27	0.08	0.26
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB3	15	0.27	0.08	0.26
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB1	15	0.27	0.08	0.26
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB2	15	0.27	0.08	0.26
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB3	15	0.27	0.08	0.26
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB1	15	0.27	0.08	0.26
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB2	15	0.27	0.08	0.26
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB3	15	0.27	0.08	0.26
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB1	15	0.27	0.08	0.26
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB2	15	0.27	0.08	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB3	15	0.27	0.08	0.26
(1,2604)	1:82:A:ARG:HA	1:85:A:ARG:HD3	15	0.24	0.09	0.19
(1,2603)	1:82:B:ARG:HA	1:85:B:ARG:HD3	15	0.23	0.09	0.19
(1,2241)	1:91:A:MET:HB2	1:93:A:ASN:H	15	0.21	0.05	0.21
(1,2242)	1:91:B:MET:HB2	1:93:B:ASN:H	15	0.21	0.04	0.21
(1,2964)	1:78:B:ILE:HA	1:82:B:ARG:H	15	0.18	0.04	0.18
(1,2965)	1:78:A:ILE:HA	1:82:A:ARG:H	15	0.18	0.03	0.17
(1,1448)	1:91:B:MET:HA	1:94:B:ILE:H	15	0.17	0.05	0.15
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB1	15	0.16	0.04	0.14
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB2	15	0.16	0.04	0.14
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB3	15	0.16	0.04	0.14
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB1	15	0.16	0.04	0.15
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB2	15	0.16	0.04	0.15
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB3	15	0.16	0.04	0.15
(1,2640)	1:28:B:GLN:HE21	1:50:B:LEU:HG	14	1.61	0.82	1.74
(1,2639)	1:28:A:GLN:HE21	1:50:A:LEU:HG	14	1.61	0.82	1.74
(1,320)	1:95:A:LEU:HA	1:98:A:ARG:HD2	14	1.36	0.83	1.25
(1,321)	1:95:B:LEU:HA	1:98:B:ARG:HD2	14	1.36	0.84	1.25
(1,417)	1:57:B:LEU:HD21	1:59:B:ILE:H	14	0.92	0.31	0.98
(1,417)	1:57:B:LEU:HD22	1:59:B:ILE:H	14	0.92	0.31	0.98
(1,417)	1:57:B:LEU:HD23	1:59:B:ILE:H	14	0.92	0.31	0.98
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD1	14	0.81	0.25	0.81
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD2	14	0.81	0.25	0.81
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD1	14	0.81	0.25	0.81
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD2	14	0.81	0.25	0.81
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD1	14	0.81	0.25	0.81
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD2	14	0.81	0.25	0.81
(1,1154)	1:30:A:THR:HG21	1:28:A:GLN:H	14	0.73	0.1	0.71
(1,1154)	1:30:A:THR:HG22	1:28:A:GLN:H	14	0.73	0.1	0.71
(1,1154)	1:30:A:THR:HG23	1:28:A:GLN:H	14	0.73	0.1	0.71
(1,1155)	1:30:B:THR:HG21	1:28:B:GLN:H	14	0.73	0.1	0.71
(1,1155)	1:30:B:THR:HG22	1:28:B:GLN:H	14	0.73	0.1	0.71
(1,1155)	1:30:B:THR:HG23	1:28:B:GLN:H	14	0.73	0.1	0.71
(1,2059)	1:57:B:LEU:HD21	1:46:A:LEU:H	14	0.57	0.34	0.53
(1,2059)	1:57:B:LEU:HD22	1:46:A:LEU:H	14	0.57	0.34	0.53
(1,2059)	1:57:B:LEU:HD23	1:46:A:LEU:H	14	0.57	0.34	0.53
(1,3319)	1:71:A:THR:HG21	1:44:A:LEU:HA	14	0.45	0.22	0.43
(1,3319)	1:71:A:THR:HG22	1:44:A:LEU:HA	14	0.45	0.22	0.43
(1,3319)	1:71:A:THR:HG23	1:44:A:LEU:HA	14	0.45	0.22	0.43
(1,3318)	1:71:B:THR:HG21	1:44:B:LEU:HA	14	0.45	0.23	0.42
(1,3318)	1:71:B:THR:HG22	1:44:B:LEU:HA	14	0.45	0.23	0.42
(1,3318)	1:71:B:THR:HG23	1:44:B:LEU:HA	14	0.45	0.23	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,164)	1:69:B:TRP:HH2	1:95:A:LEU:HG	14	0.44	0.17	0.44
(1,1432)	1:57:B:LEU:HD21	1:57:B:LEU:H	14	0.44	0.01	0.44
(1,1432)	1:57:B:LEU:HD22	1:57:B:LEU:H	14	0.44	0.01	0.44
(1,1432)	1:57:B:LEU:HD23	1:57:B:LEU:H	14	0.44	0.01	0.44
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD11	14	0.43	0.21	0.38
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD12	14	0.43	0.21	0.38
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD13	14	0.43	0.21	0.38
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD11	14	0.43	0.21	0.38
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD12	14	0.43	0.21	0.38
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD13	14	0.43	0.21	0.38
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD11	14	0.43	0.21	0.38
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD12	14	0.43	0.21	0.38
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD13	14	0.43	0.21	0.38
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD11	14	0.36	0.16	0.36
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD12	14	0.36	0.16	0.36
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD13	14	0.36	0.16	0.36
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD11	14	0.36	0.16	0.36
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD12	14	0.36	0.16	0.36
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD13	14	0.36	0.16	0.36
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD11	14	0.36	0.16	0.36
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD12	14	0.36	0.16	0.36
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD13	14	0.36	0.16	0.36
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD11	14	0.36	0.16	0.36
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD12	14	0.36	0.16	0.36
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD13	14	0.36	0.16	0.36
(1,3270)	1:44:A:LEU:H	1:47:A:PHE:HB2	14	0.32	0.14	0.32
(1,1999)	1:72:A:ILE:HD11	1:73:A:LYS:H	14	0.31	0.13	0.32
(1,1999)	1:72:A:ILE:HD12	1:73:A:LYS:H	14	0.31	0.13	0.32
(1,1999)	1:72:A:ILE:HD13	1:73:A:LYS:H	14	0.31	0.13	0.32
(1,797)	1:59:A:ILE:HB	1:60:A:PRO:HD2	14	0.3	0.08	0.32
(1,797)	1:59:A:ILE:HB	1:60:A:PRO:HD3	14	0.3	0.08	0.32
(1,796)	1:59:B:ILE:HB	1:60:B:PRO:HD2	14	0.3	0.08	0.32
(1,796)	1:59:B:ILE:HB	1:60:B:PRO:HD3	14	0.3	0.08	0.32
(1,1433)	1:57:A:LEU:HD11	1:57:A:LEU:H	14	0.26	0.04	0.26
(1,1433)	1:57:A:LEU:HD12	1:57:A:LEU:H	14	0.26	0.04	0.26
(1,1433)	1:57:A:LEU:HD13	1:57:A:LEU:H	14	0.26	0.04	0.26
(1,1434)	1:57:A:LEU:HD11	1:57:A:LEU:H	14	0.26	0.04	0.26
(1,1434)	1:57:A:LEU:HD12	1:57:A:LEU:H	14	0.26	0.04	0.26
(1,1434)	1:57:A:LEU:HD13	1:57:A:LEU:H	14	0.26	0.04	0.26
(1,1514)	1:57:B:LEU:HD21	1:57:B:LEU:H	14	0.21	0.01	0.21
(1,1514)	1:57:B:LEU:HD22	1:57:B:LEU:H	14	0.21	0.01	0.21
(1,1514)	1:57:B:LEU:HD23	1:57:B:LEU:H	14	0.21	0.01	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3333)	1:97:B:ARG:HA	1:94:B:ILE:HA	14	0.21	0.08	0.2
(1,3334)	1:97:A:ARG:HA	1:94:A:ILE:HA	14	0.21	0.08	0.2
(1,1903)	1:57:A:LEU:HD11	1:57:A:LEU:H	14	0.19	0.04	0.19
(1,1903)	1:57:A:LEU:HD12	1:57:A:LEU:H	14	0.19	0.04	0.19
(1,1903)	1:57:A:LEU:HD13	1:57:A:LEU:H	14	0.19	0.04	0.19
(1,1904)	1:57:B:LEU:HD11	1:57:B:LEU:H	14	0.19	0.04	0.19
(1,1904)	1:57:B:LEU:HD12	1:57:B:LEU:H	14	0.19	0.04	0.19
(1,1904)	1:57:B:LEU:HD13	1:57:B:LEU:H	14	0.19	0.04	0.19
(1,2873)	1:88:A:ILE:HB	1:89:A:GLY:HA2	14	0.18	0.04	0.18
(1,3321)	1:88:B:ILE:HA	1:90:B:ARG:H	14	0.17	0.04	0.18
(1,2874)	1:88:B:ILE:HB	1:89:B:GLY:HA2	14	0.17	0.03	0.18
(1,2951)	1:80:A:VAL:HA	1:79:A:ASN:HB3	14	0.16	0.03	0.15
(1,2951)	1:80:A:VAL:HA	1:79:A:ASN:HB2	14	0.16	0.03	0.15
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG21	14	0.11	0.0	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG22	14	0.11	0.0	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG23	14	0.11	0.0	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG21	14	0.11	0.0	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG22	14	0.11	0.0	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG23	14	0.11	0.0	0.11
(1,2553)	1:94:B:ILE:HG13	1:93:B:ASN:HB3	13	0.6	0.18	0.57
(1,2554)	1:94:A:ILE:HG13	1:93:A:ASN:HB3	13	0.59	0.18	0.56
(1,550)	1:25:B:THR:H	1:29:B:LEU:H	13	0.55	0.31	0.45
(1,551)	1:25:A:THR:H	1:29:A:LEU:H	13	0.55	0.31	0.45
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG21	13	0.53	0.36	0.44
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG22	13	0.53	0.36	0.44
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG23	13	0.53	0.36	0.44
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG21	13	0.53	0.36	0.44
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG22	13	0.53	0.36	0.44
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG23	13	0.53	0.36	0.44
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG21	13	0.53	0.36	0.44
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG22	13	0.53	0.36	0.44
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG23	13	0.53	0.36	0.44
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG21	13	0.53	0.36	0.44
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG22	13	0.53	0.36	0.44
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG23	13	0.53	0.36	0.44
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG21	13	0.53	0.36	0.44
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG22	13	0.53	0.36	0.44
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG23	13	0.53	0.36	0.44
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG21	13	0.53	0.36	0.44
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG22	13	0.53	0.36	0.44
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG23	13	0.53	0.36	0.44
(1,2722)	1:65:B:ILE:HD11	1:25:B:THR:HA	13	0.47	0.19	0.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2722)	1:65:B:ILE:HD12	1:25:B:THR:HA	13	0.47	0.19	0.45
(1,2722)	1:65:B:ILE:HD13	1:25:B:THR:HA	13	0.47	0.19	0.45
(1,2721)	1:65:A:ILE:HD11	1:25:A:THR:HA	13	0.47	0.19	0.46
(1,2721)	1:65:A:ILE:HD12	1:25:A:THR:HA	13	0.47	0.19	0.46
(1,2721)	1:65:A:ILE:HD13	1:25:A:THR:HA	13	0.47	0.19	0.46
(1,3097)	1:65:B:ILE:HD11	1:25:B:THR:HB	13	0.44	0.22	0.41
(1,3097)	1:65:B:ILE:HD12	1:25:B:THR:HB	13	0.44	0.22	0.41
(1,3097)	1:65:B:ILE:HD13	1:25:B:THR:HB	13	0.44	0.22	0.41
(1,3098)	1:65:A:ILE:HD11	1:25:A:THR:HB	13	0.44	0.22	0.41
(1,3098)	1:65:A:ILE:HD12	1:25:A:THR:HB	13	0.44	0.22	0.41
(1,3098)	1:65:A:ILE:HD13	1:25:A:THR:HB	13	0.44	0.22	0.41
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB1	13	0.43	0.21	0.42
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB2	13	0.43	0.21	0.42
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB3	13	0.43	0.21	0.42
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB1	13	0.43	0.21	0.42
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB2	13	0.43	0.21	0.42
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB3	13	0.43	0.21	0.42
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB1	13	0.43	0.21	0.42
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB2	13	0.43	0.21	0.42
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB3	13	0.43	0.21	0.42
(1,3186)	1:76:B:LYS:HB3	1:76:B:LYS:HE3	13	0.42	0.03	0.42
(1,3186)	1:76:B:LYS:HB3	1:76:B:LYS:HE2	13	0.42	0.03	0.42
(1,3186)	1:76:B:LYS:HB2	1:76:B:LYS:HE2	13	0.42	0.03	0.42
(1,3186)	1:76:B:LYS:HB2	1:76:B:LYS:HE3	13	0.42	0.03	0.42
(1,3146)	1:51:B:VAL:HG21	1:69:B:TRP:HZ3	13	0.42	0.21	0.37
(1,3146)	1:51:B:VAL:HG22	1:69:B:TRP:HZ3	13	0.42	0.21	0.37
(1,3146)	1:51:B:VAL:HG23	1:69:B:TRP:HZ3	13	0.42	0.21	0.37
(1,3145)	1:51:A:VAL:HG21	1:69:A:TRP:HZ3	13	0.41	0.21	0.38
(1,3145)	1:51:A:VAL:HG22	1:69:A:TRP:HZ3	13	0.41	0.21	0.38
(1,3145)	1:51:A:VAL:HG23	1:69:A:TRP:HZ3	13	0.41	0.21	0.38
(1,145)	1:69:B:TRP:HH2	1:95:A:LEU:H	13	0.38	0.14	0.42
(1,146)	1:69:A:TRP:HH2	1:95:B:LEU:H	13	0.38	0.13	0.38
(1,1998)	1:72:B:ILE:HD11	1:73:B:LYS:H	13	0.32	0.12	0.33
(1,1998)	1:72:B:ILE:HD12	1:73:B:LYS:H	13	0.32	0.12	0.33
(1,1998)	1:72:B:ILE:HD13	1:73:B:LYS:H	13	0.32	0.12	0.33
(1,2491)	1:23:B:VAL:HG11	1:24:B:SER:H	13	0.21	0.14	0.18
(1,2491)	1:23:B:VAL:HG12	1:24:B:SER:H	13	0.21	0.14	0.18
(1,2491)	1:23:B:VAL:HG13	1:24:B:SER:H	13	0.21	0.14	0.18
(1,3320)	1:88:A:ILE:HA	1:90:A:ARG:H	13	0.18	0.04	0.18
(1,3404)	1:29:B:LEU:H	1:30:B:THR:HA	13	0.17	0.04	0.16
(1,3403)	1:29:A:LEU:H	1:30:A:THR:HA	13	0.17	0.04	0.16
(1,2616)	1:96:A:ASN:H	1:98:A:ARG:HD3	12	1.36	0.68	1.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2617)	1:96:B:ASN:H	1:98:B:ARG:HD3	12	1.36	0.68	1.44
(1,481)	1:93:B:ASN:HD21	1:92:B:LEU:H	12	0.92	0.62	1.04
(1,1837)	1:67:A:LYS:H	1:67:A:LYS:HG3	12	0.73	0.17	0.8
(2,3)	1:67:B:LYS:H	1:67:B:LYS:HG3	12	0.73	0.17	0.8
(1,2084)	1:41:B:ARG:HB3	1:42:B:GLY:H	12	0.71	0.38	0.76
(1,2083)	1:41:A:ARG:HB3	1:42:A:GLY:H	12	0.71	0.38	0.76
(1,2669)	1:88:B:ILE:HA	1:52:A:ALA:HA	12	0.61	0.3	0.55
(1,1357)	1:29:A:LEU:HG	1:28:A:GLN:HE21	12	0.6	0.25	0.57
(1,1358)	1:29:B:LEU:HG	1:28:B:GLN:HE21	12	0.6	0.25	0.57
(1,2668)	1:88:A:ILE:HA	1:52:B:ALA:HA	12	0.59	0.31	0.52
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD1	12	0.4	0.18	0.44
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD2	12	0.4	0.18	0.44
(1,178)	1:57:B:LEU:HD21	1:46:A:LEU:H	12	0.4	0.31	0.3
(1,178)	1:57:B:LEU:HD22	1:46:A:LEU:H	12	0.4	0.31	0.3
(1,178)	1:57:B:LEU:HD23	1:46:A:LEU:H	12	0.4	0.31	0.3
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD1	12	0.39	0.18	0.43
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD2	12	0.39	0.18	0.43
(1,3001)	1:28:B:GLN:HE22	1:28:B:GLN:HG2	12	0.36	0.01	0.36
(1,3001)	1:28:B:GLN:HE22	1:28:B:GLN:HG3	12	0.36	0.01	0.36
(1,3000)	1:28:A:GLN:HE22	1:28:A:GLN:HG2	12	0.36	0.01	0.36
(1,3000)	1:28:A:GLN:HE22	1:28:A:GLN:HG3	12	0.36	0.01	0.36
(1,559)	1:65:A:ILE:HD11	1:51:A:VAL:HA	12	0.35	0.18	0.36
(1,559)	1:65:A:ILE:HD12	1:51:A:VAL:HA	12	0.35	0.18	0.36
(1,559)	1:65:A:ILE:HD13	1:51:A:VAL:HA	12	0.35	0.18	0.36
(1,558)	1:65:B:ILE:HD11	1:51:B:VAL:HA	12	0.35	0.18	0.36
(1,558)	1:65:B:ILE:HD12	1:51:B:VAL:HA	12	0.35	0.18	0.36
(1,558)	1:65:B:ILE:HD13	1:51:B:VAL:HA	12	0.35	0.18	0.36
(1,191)	1:77:A:ALA:HB1	1:75:A:SER:H	12	0.35	0.34	0.22
(1,191)	1:77:A:ALA:HB2	1:75:A:SER:H	12	0.35	0.34	0.22
(1,191)	1:77:A:ALA:HB3	1:75:A:SER:H	12	0.35	0.34	0.22
(1,192)	1:77:B:ALA:HB1	1:75:B:SER:H	12	0.35	0.34	0.22
(1,192)	1:77:B:ALA:HB2	1:75:B:SER:H	12	0.35	0.34	0.22
(1,192)	1:77:B:ALA:HB3	1:75:B:SER:H	12	0.35	0.34	0.22
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD11	12	0.33	0.15	0.3
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD12	12	0.33	0.15	0.3
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD13	12	0.33	0.15	0.3
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD11	12	0.33	0.15	0.3
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD12	12	0.33	0.15	0.3
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD13	12	0.33	0.15	0.3
(1,985)	1:23:B:VAL:HG11	1:24:B:SER:H	12	0.25	0.22	0.18
(1,985)	1:23:B:VAL:HG12	1:24:B:SER:H	12	0.25	0.22	0.18
(1,985)	1:23:B:VAL:HG13	1:24:B:SER:H	12	0.25	0.22	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1175)	1:94:A:ILE:HA	1:97:A:ARG:H	12	0.21	0.08	0.2
(1,1174)	1:94:B:ILE:HA	1:97:B:ARG:H	12	0.21	0.08	0.2
(1,1710)	1:82:A:ARG:HA	1:85:A:ARG:HD3	12	0.19	0.09	0.16
(1,3342)	1:86:A:LYS:HA	1:89:A:GLY:HA2	12	0.19	0.07	0.18
(1,1081)	1:45:A:LYS:HA	1:47:A:PHE:H	12	0.17	0.04	0.16
(1,1080)	1:45:B:LYS:HA	1:47:B:PHE:H	12	0.17	0.04	0.16
(1,2152)	1:42:B:GLY:HA2	1:43:B:PRO:HD2	12	0.16	0.04	0.16
(1,2153)	1:42:A:GLY:HA2	1:43:A:PRO:HD2	12	0.16	0.04	0.16
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD11	12	0.16	0.04	0.15
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD12	12	0.16	0.04	0.15
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD13	12	0.16	0.04	0.15
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD11	12	0.16	0.04	0.15
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD12	12	0.16	0.04	0.15
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD13	12	0.16	0.04	0.15
(1,1459)	1:60:A:PRO:HA	1:60:A:PRO:HD3	12	0.14	0.03	0.14
(2,63)	1:60:B:PRO:HA	1:60:B:PRO:HD3	12	0.14	0.03	0.14
(1,350)	1:65:A:ILE:HD11	1:65:A:ILE:H	12	0.13	0.02	0.12
(1,350)	1:65:A:ILE:HD12	1:65:A:ILE:H	12	0.13	0.02	0.12
(1,350)	1:65:A:ILE:HD13	1:65:A:ILE:H	12	0.13	0.02	0.12
(1,528)	1:32:A:ARG:H	1:31:A:LYS:HA	12	0.12	0.02	0.11
(1,527)	1:32:B:ARG:H	1:31:B:LYS:HA	12	0.12	0.02	0.11
(1,2256)	1:57:A:LEU:HD11	1:45:B:LYS:HE3	11	0.91	0.47	0.92
(1,2256)	1:57:A:LEU:HD12	1:45:B:LYS:HE3	11	0.91	0.47	0.92
(1,2256)	1:57:A:LEU:HD13	1:45:B:LYS:HE3	11	0.91	0.47	0.92
(1,2255)	1:57:B:LEU:HD11	1:45:A:LYS:HE3	11	0.9	0.48	0.93
(1,2255)	1:57:B:LEU:HD12	1:45:A:LYS:HE3	11	0.9	0.48	0.93
(1,2255)	1:57:B:LEU:HD13	1:45:A:LYS:HE3	11	0.9	0.48	0.93
(1,3202)	1:41:B:ARG:HB3	1:47:B:PHE:HB3	11	0.88	0.63	0.67
(1,3201)	1:41:A:ARG:HB3	1:47:A:PHE:HB3	11	0.88	0.63	0.67
(1,157)	1:78:A:ILE:HG21	1:96:B:ASN:HD22	11	0.87	0.42	0.84
(1,157)	1:78:A:ILE:HG22	1:96:B:ASN:HD22	11	0.87	0.42	0.84
(1,157)	1:78:A:ILE:HG23	1:96:B:ASN:HD22	11	0.87	0.42	0.84
(1,157)	1:78:A:ILE:HG21	1:96:B:ASN:HD21	11	0.87	0.42	0.84
(1,157)	1:78:A:ILE:HG22	1:96:B:ASN:HD21	11	0.87	0.42	0.84
(1,157)	1:78:A:ILE:HG23	1:96:B:ASN:HD21	11	0.87	0.42	0.84
(1,229)	1:74:B:LYS:HE3	1:98:A:ARG:HD2	11	0.86	0.74	0.54
(1,156)	1:78:B:ILE:HG21	1:96:A:ASN:HD22	11	0.85	0.42	0.77
(1,156)	1:78:B:ILE:HG22	1:96:A:ASN:HD22	11	0.85	0.42	0.77
(1,156)	1:78:B:ILE:HG23	1:96:A:ASN:HD22	11	0.85	0.42	0.77
(1,156)	1:78:B:ILE:HG21	1:96:A:ASN:HD21	11	0.85	0.42	0.77
(1,156)	1:78:B:ILE:HG22	1:96:A:ASN:HD21	11	0.85	0.42	0.77
(1,156)	1:78:B:ILE:HG23	1:96:A:ASN:HD21	11	0.85	0.42	0.77

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,228)	1:74:A:LYS:HE3	1:98:B:ARG:HD2	11	0.81	0.75	0.4
(1,278)	1:41:A:ARG:H	1:38:A:LEU:HA	11	0.76	0.44	0.69
(1,279)	1:41:B:ARG:H	1:38:B:LEU:HA	11	0.76	0.44	0.69
(1,216)	1:77:B:ALA:HB1	1:48:B:MET:HG2	11	0.63	0.39	0.46
(1,216)	1:77:B:ALA:HB2	1:48:B:MET:HG2	11	0.63	0.39	0.46
(1,216)	1:77:B:ALA:HB3	1:48:B:MET:HG2	11	0.63	0.39	0.46
(1,216)	1:77:B:ALA:HB1	1:48:B:MET:HG3	11	0.63	0.39	0.46
(1,216)	1:77:B:ALA:HB2	1:48:B:MET:HG3	11	0.63	0.39	0.46
(1,216)	1:77:B:ALA:HB3	1:48:B:MET:HG3	11	0.63	0.39	0.46
(1,215)	1:77:A:ALA:HB1	1:48:A:MET:HG2	11	0.63	0.39	0.46
(1,215)	1:77:A:ALA:HB2	1:48:A:MET:HG2	11	0.63	0.39	0.46
(1,215)	1:77:A:ALA:HB3	1:48:A:MET:HG2	11	0.63	0.39	0.46
(1,215)	1:77:A:ALA:HB1	1:48:A:MET:HG3	11	0.63	0.39	0.46
(1,215)	1:77:A:ALA:HB2	1:48:A:MET:HG3	11	0.63	0.39	0.46
(1,215)	1:77:A:ALA:HB3	1:48:A:MET:HG3	11	0.63	0.39	0.46
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD11	11	0.62	0.05	0.64
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD12	11	0.62	0.05	0.64
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD13	11	0.62	0.05	0.64
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD11	11	0.62	0.05	0.63
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD12	11	0.62	0.05	0.63
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD13	11	0.62	0.05	0.63
(1,1274)	1:23:A:VAL:H	1:24:A:SER:HA	11	0.59	0.31	0.7
(1,1275)	1:23:B:VAL:H	1:24:B:SER:HA	11	0.58	0.31	0.7
(1,2645)	1:78:A:ILE:HD11	1:96:B:ASN:HD21	11	0.56	0.25	0.57
(1,2645)	1:78:A:ILE:HD12	1:96:B:ASN:HD21	11	0.56	0.25	0.57
(1,2645)	1:78:A:ILE:HD13	1:96:B:ASN:HD21	11	0.56	0.25	0.57
(1,3152)	1:81:A:LEU:HD11	1:69:A:TRP:HZ3	11	0.49	0.24	0.47
(1,3152)	1:81:A:LEU:HD12	1:69:A:TRP:HZ3	11	0.49	0.24	0.47
(1,3152)	1:81:A:LEU:HD13	1:69:A:TRP:HZ3	11	0.49	0.24	0.47
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD21	11	0.45	0.3	0.36
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD22	11	0.45	0.3	0.36
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD23	11	0.45	0.3	0.36
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD21	11	0.45	0.3	0.36
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD22	11	0.45	0.3	0.36
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD23	11	0.45	0.3	0.36
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD21	11	0.45	0.3	0.36
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD22	11	0.45	0.3	0.36
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD23	11	0.45	0.3	0.36
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD21	11	0.45	0.3	0.36
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD22	11	0.45	0.3	0.36
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD23	11	0.45	0.3	0.36
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD21	11	0.45	0.3	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD22	11	0.45	0.3	0.36
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD23	11	0.45	0.3	0.36
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD21	11	0.45	0.3	0.36
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD22	11	0.45	0.3	0.36
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD23	11	0.45	0.3	0.36
(1,1009)	1:91:A:MET:HG2	1:92:A:LEU:H	11	0.43	0.04	0.43
(1,2618)	1:87:A:GLU:H	1:90:A:ARG:HD2	11	0.43	0.24	0.36
(1,2619)	1:87:B:GLU:H	1:90:B:ARG:HD2	11	0.43	0.24	0.36
(1,94)	1:57:B:LEU:HD21	1:49:A:ALA:HA	11	0.41	0.2	0.36
(1,94)	1:57:B:LEU:HD22	1:49:A:ALA:HA	11	0.41	0.2	0.36
(1,94)	1:57:B:LEU:HD23	1:49:A:ALA:HA	11	0.41	0.2	0.36
(1,407)	1:80:A:VAL:HG21	1:45:A:LYS:HA	11	0.3	0.15	0.27
(1,407)	1:80:A:VAL:HG22	1:45:A:LYS:HA	11	0.3	0.15	0.27
(1,407)	1:80:A:VAL:HG23	1:45:A:LYS:HA	11	0.3	0.15	0.27
(1,1858)	1:62:B:THR:HB	1:63:B:ALA:H	11	0.27	0.09	0.25
(1,3386)	1:77:A:ALA:HB1	1:95:B:LEU:HB2	11	0.27	0.12	0.24
(1,3386)	1:77:A:ALA:HB2	1:95:B:LEU:HB2	11	0.27	0.12	0.24
(1,3386)	1:77:A:ALA:HB3	1:95:B:LEU:HB2	11	0.27	0.12	0.24
(1,1859)	1:62:A:THR:HB	1:63:A:ALA:H	11	0.26	0.09	0.24
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG11	11	0.26	0.07	0.27
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG12	11	0.26	0.07	0.27
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG13	11	0.26	0.07	0.27
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD11	11	0.25	0.1	0.27
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD12	11	0.25	0.1	0.27
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD13	11	0.25	0.1	0.27
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD11	11	0.25	0.1	0.27
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD12	11	0.25	0.1	0.27
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD13	11	0.25	0.1	0.27
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD11	11	0.25	0.1	0.27
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD12	11	0.25	0.1	0.27
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD13	11	0.25	0.1	0.27
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD11	11	0.25	0.1	0.27
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD12	11	0.25	0.1	0.27
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD13	11	0.25	0.1	0.27
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD11	11	0.25	0.1	0.27
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD12	11	0.25	0.1	0.27
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD13	11	0.25	0.1	0.27
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD11	11	0.25	0.1	0.27
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD12	11	0.25	0.1	0.27
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD13	11	0.25	0.1	0.27
(1,1332)	1:45:A:LYS:HG2	1:45:A:LYS:H	11	0.23	0.24	0.15
(2,177)	1:69:B:TRP:H	1:68:B:ARG:HB2	11	0.22	0.07	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,177)	1:69:B:TRP:H	1:68:B:ARG:HB3	11	0.22	0.07	0.22
(1,1711)	1:82:B:ARG:HA	1:85:B:ARG:HD3	11	0.2	0.09	0.17
(1,2234)	1:67:A:LYS:HB2	1:67:A:LYS:HA	11	0.17	0.07	0.15
(1,2234)	1:67:A:LYS:HB3	1:67:A:LYS:HA	11	0.17	0.07	0.15
(1,678)	1:54:B:LEU:HG	1:54:B:LEU:HA	11	0.15	0.02	0.14
(1,679)	1:54:A:LEU:HG	1:54:A:LEU:HA	11	0.15	0.02	0.14
(1,351)	1:65:B:ILE:HD11	1:65:B:ILE:H	11	0.13	0.02	0.12
(1,351)	1:65:B:ILE:HD12	1:65:B:ILE:H	11	0.13	0.02	0.12
(1,351)	1:65:B:ILE:HD13	1:65:B:ILE:H	11	0.13	0.02	0.12
(1,776)	1:88:A:ILE:H	1:89:A:GLY:HA2	11	0.13	0.02	0.13
(1,1873)	1:58:B:THR:HA	1:59:B:ILE:H	11	0.12	0.02	0.12
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD21	10	0.83	0.79	0.57
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD22	10	0.83	0.79	0.57
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD23	10	0.83	0.79	0.57
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD21	10	0.83	0.79	0.56
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD22	10	0.83	0.79	0.56
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD23	10	0.83	0.79	0.56
(1,2682)	1:26:A:VAL:HG11	1:22:A:ARG:HG3	10	0.71	0.44	0.73
(1,2682)	1:26:A:VAL:HG12	1:22:A:ARG:HG3	10	0.71	0.44	0.73
(1,2682)	1:26:A:VAL:HG13	1:22:A:ARG:HG3	10	0.71	0.44	0.73
(1,3382)	1:87:B:GLU:HB3	1:55:A:ARG:HG3	10	0.69	0.59	0.46
(1,3383)	1:87:A:GLU:HB3	1:55:B:ARG:HG3	10	0.67	0.58	0.44
(1,2680)	1:95:A:LEU:HB2	1:74:B:LYS:HD3	10	0.63	0.51	0.42
(1,2680)	1:95:A:LEU:HB2	1:74:B:LYS:HD2	10	0.63	0.51	0.42
(1,2681)	1:95:B:LEU:HB2	1:74:A:LYS:HD3	10	0.63	0.5	0.41
(1,2681)	1:95:B:LEU:HB2	1:74:A:LYS:HD2	10	0.63	0.5	0.41
(1,2644)	1:78:B:ILE:HD11	1:96:A:ASN:HD21	10	0.59	0.21	0.59
(1,2644)	1:78:B:ILE:HD12	1:96:A:ASN:HD21	10	0.59	0.21	0.59
(1,2644)	1:78:B:ILE:HD13	1:96:A:ASN:HD21	10	0.59	0.21	0.59
(1,1124)	1:57:B:LEU:HD21	1:46:A:LEU:HA	10	0.44	0.25	0.42
(1,1124)	1:57:B:LEU:HD22	1:46:A:LEU:HA	10	0.44	0.25	0.42
(1,1124)	1:57:B:LEU:HD23	1:46:A:LEU:HA	10	0.44	0.25	0.42
(1,788)	1:57:B:LEU:HD21	1:49:A:ALA:H	10	0.44	0.21	0.42
(1,788)	1:57:B:LEU:HD22	1:49:A:ALA:H	10	0.44	0.21	0.42
(1,788)	1:57:B:LEU:HD23	1:49:A:ALA:H	10	0.44	0.21	0.42
(1,3048)	1:55:B:ARG:HA	1:55:B:ARG:HD3	10	0.44	0.27	0.36
(1,3049)	1:55:A:ARG:HA	1:55:A:ARG:HD3	10	0.44	0.27	0.36
(1,680)	1:38:A:LEU:HA	1:38:A:LEU:HG	10	0.37	0.02	0.38
(1,681)	1:38:B:LEU:HA	1:38:B:LEU:HG	10	0.37	0.03	0.38
(1,347)	1:90:A:ARG:H	1:90:A:ARG:HG3	10	0.28	0.03	0.29
(1,347)	1:90:A:ARG:H	1:90:A:ARG:HG2	10	0.28	0.03	0.29
(2,346)	1:90:B:ARG:H	1:90:B:ARG:HG3	10	0.28	0.03	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,346)	1:90:B:ARG:H	1:90:B:ARG:HG2	10	0.28	0.03	0.29
(1,1349)	1:28:B:GLN:HA	1:31:B:LYS:H	10	0.28	0.13	0.24
(1,1350)	1:28:A:GLN:HA	1:31:A:LYS:H	10	0.28	0.13	0.24
(1,2235)	1:67:B:LYS:HB2	1:67:B:LYS:HA	10	0.18	0.06	0.15
(1,2235)	1:67:B:LYS:HB3	1:67:B:LYS:HA	10	0.18	0.06	0.15
(1,1866)	1:94:B:ILE:HG21	1:91:B:MET:HA	10	0.17	0.04	0.18
(1,1866)	1:94:B:ILE:HG22	1:91:B:MET:HA	10	0.17	0.04	0.18
(1,1866)	1:94:B:ILE:HG23	1:91:B:MET:HA	10	0.17	0.04	0.18
(1,1867)	1:94:A:ILE:HG21	1:91:A:MET:HA	10	0.17	0.04	0.18
(1,1867)	1:94:A:ILE:HG22	1:91:A:MET:HA	10	0.17	0.04	0.18
(1,1867)	1:94:A:ILE:HG23	1:91:A:MET:HA	10	0.17	0.04	0.18
(1,1739)	1:82:A:ARG:HA	1:85:A:ARG:H	10	0.15	0.04	0.15
(1,1740)	1:82:B:ARG:HA	1:85:B:ARG:H	10	0.15	0.04	0.15
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD11	10	0.15	0.05	0.12
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD12	10	0.15	0.05	0.12
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD13	10	0.15	0.05	0.12
(1,1874)	1:58:A:THR:HA	1:59:A:ILE:H	10	0.12	0.01	0.12
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD11	9	1.32	0.95	0.85
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD12	9	1.32	0.95	0.85
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD13	9	1.32	0.95	0.85
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD11	9	1.32	0.96	0.85
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD12	9	1.32	0.96	0.85
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD13	9	1.32	0.96	0.85
(1,1614)	1:96:B:ASN:HD22	1:97:B:ARG:HG2	9	1.25	0.49	1.14
(1,1614)	1:96:B:ASN:HD22	1:97:B:ARG:HG3	9	1.25	0.49	1.14
(1,1614)	1:96:B:ASN:HD21	1:97:B:ARG:HG2	9	1.25	0.49	1.14
(1,1615)	1:96:A:ASN:HD22	1:97:A:ARG:HG2	9	1.25	0.49	1.14
(1,1615)	1:96:A:ASN:HD22	1:97:A:ARG:HG3	9	1.25	0.49	1.14
(1,1615)	1:96:A:ASN:HD21	1:97:A:ARG:HG2	9	1.25	0.49	1.14
(2,36)	1:63:A:ALA:HB1	1:67:A:LYS:HD3	9	1.19	0.39	1.06
(2,36)	1:63:A:ALA:HB2	1:67:A:LYS:HD3	9	1.19	0.39	1.06
(2,36)	1:63:A:ALA:HB3	1:67:A:LYS:HD3	9	1.19	0.39	1.06
(2,69)	1:63:B:ALA:HB1	1:67:B:LYS:HD3	9	1.19	0.39	1.07
(2,69)	1:63:B:ALA:HB2	1:67:B:LYS:HD3	9	1.19	0.39	1.07
(2,69)	1:63:B:ALA:HB3	1:67:B:LYS:HD3	9	1.19	0.39	1.07
(1,2136)	1:96:B:ASN:HD21	1:97:B:ARG:H	9	1.13	0.07	1.14
(1,2137)	1:96:A:ASN:HD21	1:97:A:ARG:H	9	1.13	0.07	1.14
(1,155)	1:71:B:THR:HG21	1:42:B:GLY:HA2	9	0.99	0.58	0.95
(1,155)	1:71:B:THR:HG22	1:42:B:GLY:HA2	9	0.99	0.58	0.95
(1,155)	1:71:B:THR:HG23	1:42:B:GLY:HA2	9	0.99	0.58	0.95
(1,154)	1:71:A:THR:HG21	1:42:A:GLY:HA2	9	0.99	0.58	0.94
(1,154)	1:71:A:THR:HG22	1:42:A:GLY:HA2	9	0.99	0.58	0.94

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,154)	1:71:A:THR:HG23	1:42:A:GLY:HA2	9	0.99	0.58	0.94
(1,2557)	1:94:A:ILE:HG21	1:74:B:LYS:HE2	9	0.92	0.49	0.83
(1,2557)	1:94:A:ILE:HG22	1:74:B:LYS:HE2	9	0.92	0.49	0.83
(1,2557)	1:94:A:ILE:HG23	1:74:B:LYS:HE2	9	0.92	0.49	0.83
(1,2635)	1:27:B:GLN:HA	1:24:B:SER:H	9	0.92	0.61	0.83
(1,194)	1:91:A:MET:HG3	1:87:A:GLU:HA	9	0.89	0.14	0.9
(1,1141)	1:97:B:ARG:H	1:98:B:ARG:HG2	9	0.86	0.28	0.86
(1,1140)	1:97:A:ARG:H	1:98:A:ARG:HG2	9	0.86	0.28	0.86
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG21	9	0.73	0.47	0.64
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG22	9	0.73	0.47	0.64
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG23	9	0.73	0.47	0.64
(1,2561)	1:27:B:GLN:HB3	1:23:B:VAL:HG21	9	0.73	0.47	0.64
(1,2561)	1:27:B:GLN:HB3	1:23:B:VAL:HG22	9	0.73	0.47	0.64
(1,2561)	1:27:B:GLN:HB3	1:23:B:VAL:HG23	9	0.73	0.47	0.64
(1,2631)	1:52:A:ALA:HA	1:55:A:ARG:HD2	9	0.68	0.36	0.73
(1,2632)	1:52:B:ALA:HA	1:55:B:ARG:HD2	9	0.68	0.36	0.73
(1,754)	1:96:A:ASN:HD22	1:97:A:ARG:HA	9	0.66	0.24	0.71
(1,753)	1:96:B:ASN:HD22	1:97:B:ARG:HA	9	0.66	0.25	0.7
(1,2826)	1:51:A:VAL:HG21	1:55:A:ARG:HD3	9	0.59	0.26	0.65
(1,2826)	1:51:A:VAL:HG22	1:55:A:ARG:HD3	9	0.59	0.26	0.65
(1,2826)	1:51:A:VAL:HG23	1:55:A:ARG:HD3	9	0.59	0.26	0.65
(1,2825)	1:51:B:VAL:HG21	1:55:B:ARG:HD3	9	0.59	0.27	0.65
(1,2825)	1:51:B:VAL:HG22	1:55:B:ARG:HD3	9	0.59	0.27	0.65
(1,2825)	1:51:B:VAL:HG23	1:55:B:ARG:HD3	9	0.59	0.27	0.65
(1,706)	1:91:A:MET:HG3	1:91:A:MET:HA	9	0.58	0.03	0.56
(1,1374)	1:80:A:VAL:HG21	1:48:A:MET:H	9	0.55	0.4	0.41
(1,1374)	1:80:A:VAL:HG22	1:48:A:MET:H	9	0.55	0.4	0.41
(1,1374)	1:80:A:VAL:HG23	1:48:A:MET:H	9	0.55	0.4	0.41
(1,3153)	1:81:B:LEU:HD11	1:69:B:TRP:HZ3	9	0.55	0.22	0.57
(1,3153)	1:81:B:LEU:HD12	1:69:B:TRP:HZ3	9	0.55	0.22	0.57
(1,3153)	1:81:B:LEU:HD13	1:69:B:TRP:HZ3	9	0.55	0.22	0.57
(1,719)	1:44:A:LEU:HD11	1:73:A:LYS:H	9	0.51	0.31	0.45
(1,719)	1:44:A:LEU:HD12	1:73:A:LYS:H	9	0.51	0.31	0.45
(1,719)	1:44:A:LEU:HD13	1:73:A:LYS:H	9	0.51	0.31	0.45
(1,718)	1:44:B:LEU:HD11	1:73:B:LYS:H	9	0.51	0.31	0.45
(1,718)	1:44:B:LEU:HD12	1:73:B:LYS:H	9	0.51	0.31	0.45
(1,718)	1:44:B:LEU:HD13	1:73:B:LYS:H	9	0.51	0.31	0.45
(1,3358)	1:69:A:TRP:HZ2	1:91:B:MET:HA	9	0.5	0.33	0.31
(1,787)	1:57:A:LEU:HD21	1:49:B:ALA:H	9	0.5	0.17	0.41
(1,787)	1:57:A:LEU:HD22	1:49:B:ALA:H	9	0.5	0.17	0.41
(1,787)	1:57:A:LEU:HD23	1:49:B:ALA:H	9	0.5	0.17	0.41
(1,3359)	1:69:B:TRP:HZ2	1:91:A:MET:HA	9	0.5	0.32	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,279)	1:47:A:PHE:HD1	1:41:A:ARG:HD2	9	0.49	0.27	0.4
(2,279)	1:47:A:PHE:HD2	1:41:A:ARG:HD2	9	0.49	0.27	0.4
(2,279)	1:47:A:PHE:HD1	1:41:A:ARG:HD3	9	0.49	0.27	0.4
(2,279)	1:47:A:PHE:HD2	1:41:A:ARG:HD3	9	0.49	0.27	0.4
(2,348)	1:47:B:PHE:HD1	1:41:B:ARG:HD2	9	0.49	0.27	0.4
(2,348)	1:47:B:PHE:HD2	1:41:B:ARG:HD2	9	0.49	0.27	0.4
(2,348)	1:47:B:PHE:HD1	1:41:B:ARG:HD3	9	0.49	0.27	0.4
(2,348)	1:47:B:PHE:HD2	1:41:B:ARG:HD3	9	0.49	0.27	0.4
(1,373)	1:56:B:PHE:HD1	1:49:A:ALA:HA	9	0.45	0.24	0.57
(1,373)	1:56:B:PHE:HD2	1:49:A:ALA:HA	9	0.45	0.24	0.57
(2,259)	1:31:B:LYS:HA	1:31:B:LYS:HG3	9	0.42	0.03	0.43
(2,259)	1:31:B:LYS:HA	1:31:B:LYS:HG2	9	0.42	0.03	0.43
(1,948)	1:31:A:LYS:HA	1:31:A:LYS:HG3	9	0.42	0.03	0.43
(1,948)	1:31:A:LYS:HA	1:31:A:LYS:HG2	9	0.42	0.03	0.43
(1,3280)	1:88:B:ILE:HG12	1:52:A:ALA:HA	9	0.36	0.18	0.28
(1,1835)	1:65:A:ILE:HG21	1:51:A:VAL:HA	9	0.34	0.13	0.29
(1,1835)	1:65:A:ILE:HG22	1:51:A:VAL:HA	9	0.34	0.13	0.29
(1,1835)	1:65:A:ILE:HG23	1:51:A:VAL:HA	9	0.34	0.13	0.29
(1,1836)	1:65:B:ILE:HG21	1:51:B:VAL:HA	9	0.34	0.14	0.29
(1,1836)	1:65:B:ILE:HG22	1:51:B:VAL:HA	9	0.34	0.14	0.29
(1,1836)	1:65:B:ILE:HG23	1:51:B:VAL:HA	9	0.34	0.14	0.29
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD21	9	0.29	0.14	0.29
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD22	9	0.29	0.14	0.29
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD23	9	0.29	0.14	0.29
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD21	9	0.29	0.14	0.29
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD22	9	0.29	0.14	0.29
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD23	9	0.29	0.14	0.29
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD21	9	0.29	0.14	0.29
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD22	9	0.29	0.14	0.29
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD23	9	0.29	0.14	0.29
(1,2726)	1:80:A:VAL:HG21	1:45:A:LYS:HB3	9	0.24	0.08	0.22
(1,2726)	1:80:A:VAL:HG22	1:45:A:LYS:HB3	9	0.24	0.08	0.22
(1,2726)	1:80:A:VAL:HG23	1:45:A:LYS:HB3	9	0.24	0.08	0.22
(1,2726)	1:80:A:VAL:HG21	1:45:A:LYS:HB2	9	0.24	0.08	0.22
(1,2726)	1:80:A:VAL:HG22	1:45:A:LYS:HB2	9	0.24	0.08	0.22
(1,2726)	1:80:A:VAL:HG23	1:45:A:LYS:HB2	9	0.24	0.08	0.22
(1,1051)	1:70:B:GLY:H	1:69:B:TRP:HE3	9	0.24	0.1	0.27
(1,1287)	1:77:B:ALA:H	1:76:B:LYS:H	9	0.21	0.17	0.15
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD11	9	0.2	0.07	0.21
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD12	9	0.2	0.07	0.21
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD13	9	0.2	0.07	0.21
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD11	9	0.2	0.07	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD12	9	0.2	0.07	0.21
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD13	9	0.2	0.07	0.21
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD11	9	0.2	0.07	0.22
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD12	9	0.2	0.07	0.22
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD13	9	0.2	0.07	0.22
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD11	9	0.2	0.07	0.22
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD12	9	0.2	0.07	0.22
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD13	9	0.2	0.07	0.22
(1,704)	1:79:B:ASN:H	1:79:B:ASN:HB2	9	0.19	0.04	0.17
(1,705)	1:79:A:ASN:H	1:79:A:ASN:HB2	9	0.18	0.03	0.17
(1,705)	1:79:A:ASN:H	1:79:A:ASN:HB3	9	0.18	0.03	0.17
(1,1666)	1:95:A:LEU:HG	1:92:A:LEU:HA	9	0.15	0.04	0.15
(1,1665)	1:95:B:LEU:HG	1:92:B:LEU:HA	9	0.15	0.04	0.15
(1,413)	1:71:A:THR:H	1:71:A:THR:HA	9	0.11	0.0	0.11
(1,412)	1:71:B:THR:H	1:71:B:THR:HA	9	0.11	0.0	0.11
(2,257)	1:67:B:LYS:HE3	1:66:B:LEU:HB2	8	1.9	0.61	1.97
(2,257)	1:67:B:LYS:HE2	1:66:B:LEU:HB3	8	1.9	0.61	1.97
(2,257)	1:67:B:LYS:HE2	1:66:B:LEU:HB2	8	1.9	0.61	1.97
(2,65)	1:67:A:LYS:HE3	1:66:A:LEU:HB2	8	1.9	0.61	1.97
(2,65)	1:67:A:LYS:HE2	1:66:A:LEU:HB3	8	1.9	0.61	1.97
(2,65)	1:67:A:LYS:HE2	1:66:A:LEU:HB2	8	1.9	0.61	1.97
(1,1082)	1:93:B:ASN:HD21	1:91:B:MET:H	8	1.29	0.54	1.36
(2,229)	1:93:A:ASN:HD21	1:91:A:MET:H	8	1.28	0.53	1.35
(1,1070)	1:22:A:ARG:HG2	1:30:A:THR:HB	8	1.28	1.11	0.76
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD21	8	1.18	0.72	1.38
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD22	8	1.18	0.72	1.38
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD23	8	1.18	0.72	1.38
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD21	8	1.18	0.72	1.38
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD22	8	1.18	0.72	1.38
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD23	8	1.18	0.72	1.38
(1,2636)	1:27:A:GLN:HA	1:24:A:SER:H	8	1.02	0.58	0.85
(1,2556)	1:94:B:ILE:HG21	1:74:A:LYS:HE2	8	1.01	0.4	0.97
(1,2556)	1:94:B:ILE:HG22	1:74:A:LYS:HE2	8	1.01	0.4	0.97
(1,2556)	1:94:B:ILE:HG23	1:74:A:LYS:HE2	8	1.01	0.4	0.97
(1,2691)	1:68:B:ARG:HA	1:68:B:ARG:HD3	8	0.8	0.28	0.86
(1,2691)	1:68:B:ARG:HA	1:68:B:ARG:HD2	8	0.8	0.28	0.86
(1,2692)	1:68:A:ARG:HA	1:68:A:ARG:HD3	8	0.8	0.28	0.86
(1,2692)	1:68:A:ARG:HA	1:68:A:ARG:HD2	8	0.8	0.28	0.86
(1,2367)	1:54:A:LEU:HG	1:51:A:VAL:HA	8	0.79	0.29	0.81
(1,2368)	1:54:B:LEU:HG	1:51:B:VAL:HA	8	0.79	0.29	0.81
(1,1955)	1:98:A:ARG:HD2	1:74:B:LYS:HG2	8	0.76	0.21	0.76
(1,3066)	1:24:A:SER:HB2	1:23:A:VAL:H	8	0.74	0.27	0.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3066)	1:24:A:SER:HB3	1:23:A:VAL:H	8	0.74	0.27	0.86
(1,3288)	1:97:A:ARG:H	1:98:A:ARG:HD3	8	0.74	0.6	0.6
(1,3287)	1:97:B:ARG:H	1:98:B:ARG:HD3	8	0.73	0.6	0.6
(2,15)	1:24:B:SER:HB2	1:23:B:VAL:H	8	0.73	0.26	0.85
(2,15)	1:24:B:SER:HB3	1:23:B:VAL:H	8	0.73	0.26	0.85
(1,1956)	1:98:B:ARG:HD2	1:74:A:LYS:HG2	8	0.71	0.22	0.66
(1,3008)	1:23:B:VAL:HB	1:22:B:ARG:HB3	8	0.63	0.64	0.28
(2,340)	1:77:A:ALA:H	1:76:A:LYS:HE3	8	0.58	0.61	0.34
(2,340)	1:77:A:ALA:H	1:76:A:LYS:HE2	8	0.58	0.61	0.34
(1,2688)	1:77:B:ALA:H	1:76:B:LYS:HE3	8	0.57	0.6	0.34
(1,2688)	1:77:B:ALA:H	1:76:B:LYS:HE2	8	0.57	0.6	0.34
(1,374)	1:56:A:PHE:HD1	1:49:B:ALA:HA	8	0.5	0.21	0.57
(1,374)	1:56:A:PHE:HD2	1:49:B:ALA:HA	8	0.5	0.21	0.57
(1,2046)	1:67:A:LYS:H	1:67:A:LYS:HD2	8	0.49	0.06	0.5
(1,2046)	1:67:A:LYS:H	1:67:A:LYS:HD3	8	0.49	0.06	0.5
(2,201)	1:67:B:LYS:H	1:67:B:LYS:HD2	8	0.49	0.06	0.5
(2,201)	1:67:B:LYS:H	1:67:B:LYS:HD3	8	0.49	0.06	0.5
(2,26)	1:47:A:PHE:HD1	1:48:A:MET:HG2	8	0.47	0.17	0.5
(2,26)	1:47:A:PHE:HD2	1:48:A:MET:HG2	8	0.47	0.17	0.5
(2,26)	1:47:A:PHE:HD1	1:48:A:MET:HG3	8	0.47	0.17	0.5
(2,26)	1:47:A:PHE:HD2	1:48:A:MET:HG3	8	0.47	0.17	0.5
(2,25)	1:47:B:PHE:HD1	1:48:B:MET:HG2	8	0.47	0.16	0.5
(2,25)	1:47:B:PHE:HD2	1:48:B:MET:HG2	8	0.47	0.16	0.5
(2,25)	1:47:B:PHE:HD1	1:48:B:MET:HG3	8	0.47	0.16	0.5
(2,25)	1:47:B:PHE:HD2	1:48:B:MET:HG3	8	0.47	0.16	0.5
(1,927)	1:80:A:VAL:HG21	1:45:A:LYS:HG3	8	0.45	0.34	0.32
(1,927)	1:80:A:VAL:HG22	1:45:A:LYS:HG3	8	0.45	0.34	0.32
(1,927)	1:80:A:VAL:HG23	1:45:A:LYS:HG3	8	0.45	0.34	0.32
(1,3009)	1:23:A:VAL:HB	1:22:A:ARG:HB2	8	0.43	0.4	0.28
(1,3009)	1:23:A:VAL:HB	1:22:A:ARG:HB3	8	0.43	0.4	0.28
(1,3064)	1:69:A:TRP:HE3	1:51:A:VAL:HB	8	0.4	0.19	0.4
(1,916)	1:69:B:TRP:HZ2	1:95:A:LEU:HG	8	0.4	0.15	0.4
(1,3065)	1:69:B:TRP:HE3	1:51:B:VAL:HB	8	0.4	0.19	0.39
(1,1265)	1:22:A:ARG:HG2	1:22:A:ARG:HA	8	0.4	0.35	0.22
(1,2822)	1:59:B:ILE:HD11	1:54:B:LEU:HA	8	0.38	0.24	0.4
(1,2822)	1:59:B:ILE:HD12	1:54:B:LEU:HA	8	0.38	0.24	0.4
(1,2822)	1:59:B:ILE:HD13	1:54:B:LEU:HA	8	0.38	0.24	0.4
(1,2821)	1:59:A:ILE:HD11	1:54:A:LEU:HA	8	0.37	0.24	0.39
(1,2821)	1:59:A:ILE:HD12	1:54:A:LEU:HA	8	0.37	0.24	0.39
(1,2821)	1:59:A:ILE:HD13	1:54:A:LEU:HA	8	0.37	0.24	0.39
(1,3279)	1:88:A:ILE:HG12	1:52:B:ALA:HA	8	0.37	0.21	0.28
(1,31)	1:95:A:LEU:HD11	1:74:B:LYS:HA	8	0.34	0.13	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,31)	1:95:A:LEU:HD12	1:74:B:LYS:HA	8	0.34	0.13	0.3
(1,31)	1:95:A:LEU:HD13	1:74:B:LYS:HA	8	0.34	0.13	0.3
(1,1420)	1:95:A:LEU:HD11	1:74:B:LYS:HA	8	0.34	0.13	0.3
(1,1420)	1:95:A:LEU:HD12	1:74:B:LYS:HA	8	0.34	0.13	0.3
(1,1420)	1:95:A:LEU:HD13	1:74:B:LYS:HA	8	0.34	0.13	0.3
(1,30)	1:95:B:LEU:HD11	1:74:A:LYS:HA	8	0.33	0.15	0.3
(1,30)	1:95:B:LEU:HD12	1:74:A:LYS:HA	8	0.33	0.15	0.3
(1,30)	1:95:B:LEU:HD13	1:74:A:LYS:HA	8	0.33	0.15	0.3
(1,1421)	1:95:B:LEU:HD11	1:74:A:LYS:HA	8	0.33	0.15	0.3
(1,1421)	1:95:B:LEU:HD12	1:74:A:LYS:HA	8	0.33	0.15	0.3
(1,1421)	1:95:B:LEU:HD13	1:74:A:LYS:HA	8	0.33	0.15	0.3
(1,3387)	1:77:B:ALA:HB1	1:95:A:LEU:HB2	8	0.32	0.13	0.29
(1,3387)	1:77:B:ALA:HB2	1:95:A:LEU:HB2	8	0.32	0.13	0.29
(1,3387)	1:77:B:ALA:HB3	1:95:A:LEU:HB2	8	0.32	0.13	0.29
(1,2724)	1:47:B:PHE:HD1	1:65:B:ILE:HG13	8	0.32	0.12	0.32
(1,2724)	1:47:B:PHE:HD2	1:65:B:ILE:HG13	8	0.32	0.12	0.32
(1,2723)	1:47:A:PHE:HD1	1:65:A:ILE:HG13	8	0.32	0.12	0.32
(1,2723)	1:47:A:PHE:HD2	1:65:A:ILE:HG13	8	0.32	0.12	0.32
(1,1148)	1:41:B:ARG:HB2	1:42:B:GLY:H	8	0.31	0.11	0.3
(1,1149)	1:41:A:ARG:HB2	1:42:A:GLY:H	8	0.31	0.12	0.3
(1,1050)	1:70:A:GLY:H	1:69:A:TRP:HE3	8	0.26	0.09	0.28
(1,1288)	1:77:A:ALA:H	1:76:A:LYS:H	8	0.22	0.17	0.15
(1,1631)	1:52:B:ALA:H	1:48:B:MET:HA	8	0.19	0.08	0.16
(1,1032)	1:71:A:THR:H	1:69:A:TRP:H	8	0.18	0.03	0.18
(1,1632)	1:52:A:ALA:H	1:48:A:MET:HA	8	0.18	0.08	0.16
(1,1033)	1:71:B:THR:H	1:69:B:TRP:H	8	0.18	0.03	0.18
(1,2355)	1:27:B:GLN:HA	1:29:B:LEU:H	8	0.18	0.11	0.12
(1,2848)	1:89:B:GLY:H	1:86:B:LYS:HA	8	0.16	0.04	0.16
(1,2847)	1:89:A:GLY:H	1:86:A:LYS:HA	8	0.16	0.05	0.16
(1,188)	1:96:A:ASN:HA	1:92:A:LEU:HA	8	0.16	0.03	0.17
(1,189)	1:96:B:ASN:HA	1:92:B:LEU:HA	8	0.16	0.03	0.17
(1,2295)	1:72:B:ILE:HB	1:73:B:LYS:H	8	0.16	0.02	0.15
(1,2296)	1:72:A:ILE:HB	1:73:A:LYS:H	8	0.15	0.02	0.15
(1,1786)	1:86:B:LYS:HG3	1:86:B:LYS:H	8	0.12	0.01	0.12
(1,1071)	1:22:B:ARG:HG2	1:30:B:THR:HB	7	1.33	1.15	1.06
(1,1071)	1:22:B:ARG:HG3	1:30:B:THR:HB	7	1.33	1.15	1.06
(1,1604)	1:93:A:ASN:HD21	1:89:A:GLY:HA3	7	1.21	0.49	1.24
(1,3250)	1:39:A:GLN:HB3	1:41:A:ARG:HG2	7	1.14	0.61	1.02
(1,3250)	1:39:A:GLN:HB3	1:41:A:ARG:HG3	7	1.14	0.61	1.02
(1,3251)	1:39:B:GLN:HB3	1:41:B:ARG:HG2	7	1.14	0.61	1.02
(1,3251)	1:39:B:GLN:HB3	1:41:B:ARG:HG3	7	1.14	0.61	1.02
(2,228)	1:93:B:ASN:HD21	1:89:B:GLY:HA2	7	1.13	0.5	1.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,228)	1:93:B:ASN:HD21	1:89:B:GLY:HA3	7	1.13	0.5	1.14
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD11	7	1.04	0.52	1.0
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD12	7	1.04	0.52	1.0
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD13	7	1.04	0.52	1.0
(1,2522)	1:74:A:LYS:HG2	1:98:B:ARG:HG3	7	1.02	0.6	0.92
(1,2523)	1:74:B:LYS:HG2	1:98:A:ARG:HG3	7	0.98	0.58	0.82
(1,2480)	1:87:B:GLU:HA	1:86:B:LYS:HG3	7	0.97	0.51	1.33
(1,2479)	1:87:A:GLU:HA	1:86:A:LYS:HG3	7	0.97	0.51	1.33
(1,3076)	1:99:B:ARG:H	1:97:B:ARG:HG3	7	0.94	0.49	1.16
(2,283)	1:93:A:ASN:HD21	1:92:A:LEU:H	7	0.93	0.3	0.97
(2,110)	1:31:A:LYS:HE2	1:31:A:LYS:HB2	7	0.87	0.1	0.87
(2,110)	1:31:A:LYS:HE2	1:31:A:LYS:HB3	7	0.87	0.1	0.87
(2,110)	1:31:A:LYS:HE3	1:31:A:LYS:HB3	7	0.87	0.1	0.87
(1,3213)	1:31:B:LYS:HE2	1:31:B:LYS:HB2	7	0.86	0.1	0.87
(1,3213)	1:31:B:LYS:HE2	1:31:B:LYS:HB3	7	0.86	0.1	0.87
(1,3213)	1:31:B:LYS:HE3	1:31:B:LYS:HB3	7	0.86	0.1	0.87
(1,3229)	1:29:A:LEU:HD21	1:50:A:LEU:HG	7	0.8	0.41	0.67
(1,3229)	1:29:A:LEU:HD22	1:50:A:LEU:HG	7	0.8	0.41	0.67
(1,3229)	1:29:A:LEU:HD23	1:50:A:LEU:HG	7	0.8	0.41	0.67
(1,1482)	1:41:B:ARG:H	1:39:B:GLN:H	7	0.8	0.35	0.8
(1,3230)	1:29:B:LEU:HD21	1:50:B:LEU:HG	7	0.8	0.41	0.67
(1,3230)	1:29:B:LEU:HD22	1:50:B:LEU:HG	7	0.8	0.41	0.67
(1,3230)	1:29:B:LEU:HD23	1:50:B:LEU:HG	7	0.8	0.41	0.67
(1,1481)	1:41:A:ARG:H	1:39:A:GLN:H	7	0.8	0.35	0.78
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD21	7	0.8	0.31	0.94
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD22	7	0.8	0.31	0.94
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD23	7	0.8	0.31	0.94
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD21	7	0.79	0.31	0.95
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD22	7	0.79	0.31	0.95
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD23	7	0.79	0.31	0.95
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD21	7	0.78	0.35	0.79
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD22	7	0.78	0.35	0.79
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD23	7	0.78	0.35	0.79
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD21	7	0.78	0.35	0.79
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD22	7	0.78	0.35	0.79
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD23	7	0.78	0.35	0.79
(1,2419)	1:94:B:ILE:H	1:93:B:ASN:HB2	7	0.73	0.1	0.74
(1,2418)	1:94:A:ILE:H	1:93:A:ASN:HB2	7	0.73	0.1	0.73
(1,1693)	1:93:B:ASN:HB2	1:94:B:ILE:HA	7	0.73	0.05	0.73
(1,1694)	1:93:A:ASN:HB2	1:94:A:ILE:HA	7	0.73	0.05	0.73
(1,33)	1:57:A:LEU:HD11	1:45:B:LYS:HE2	7	0.71	0.25	0.69
(1,33)	1:57:A:LEU:HD12	1:45:B:LYS:HE2	7	0.71	0.25	0.69

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,33)	1:57:A:LEU:HD13	1:45:B:LYS:HE2	7	0.71	0.25	0.69
(1,1593)	1:93:B:ASN:HD21	1:93:B:ASN:H	7	0.7	0.12	0.73
(2,124)	1:93:A:ASN:HD21	1:93:A:ASN:H	7	0.7	0.12	0.73
(1,457)	1:26:A:VAL:HA	1:22:A:ARG:HG2	7	0.69	0.49	0.63
(1,32)	1:57:B:LEU:HD11	1:45:A:LYS:HE2	7	0.69	0.27	0.67
(1,32)	1:57:B:LEU:HD12	1:45:A:LYS:HE2	7	0.69	0.27	0.67
(1,32)	1:57:B:LEU:HD13	1:45:A:LYS:HE2	7	0.69	0.27	0.67
(1,16)	1:55:B:ARG:HB3	1:91:A:MET:HG2	7	0.63	0.56	0.47
(1,16)	1:55:B:ARG:HB2	1:91:A:MET:HG2	7	0.63	0.56	0.47
(1,1438)	1:57:B:LEU:HD21	1:59:B:ILE:H	7	0.62	0.26	0.67
(1,1438)	1:57:B:LEU:HD22	1:59:B:ILE:H	7	0.62	0.26	0.67
(1,1438)	1:57:B:LEU:HD23	1:59:B:ILE:H	7	0.62	0.26	0.67
(1,45)	1:95:B:LEU:HA	1:74:A:LYS:HE2	7	0.62	0.43	0.44
(1,45)	1:95:B:LEU:HA	1:74:A:LYS:HE3	7	0.62	0.43	0.44
(1,2533)	1:27:B:GLN:HA	1:27:B:GLN:HG2	7	0.59	0.19	0.66
(1,2534)	1:27:A:GLN:HA	1:27:A:GLN:HG2	7	0.59	0.19	0.65
(1,2040)	1:71:A:THR:HG21	1:43:A:PRO:HD2	7	0.59	0.33	0.5
(1,2040)	1:71:A:THR:HG22	1:43:A:PRO:HD2	7	0.59	0.33	0.5
(1,2040)	1:71:A:THR:HG23	1:43:A:PRO:HD2	7	0.59	0.33	0.5
(1,2041)	1:71:B:THR:HG21	1:43:B:PRO:HD2	7	0.59	0.33	0.49
(1,2041)	1:71:B:THR:HG22	1:43:B:PRO:HD2	7	0.59	0.33	0.49
(1,2041)	1:71:B:THR:HG23	1:43:B:PRO:HD2	7	0.59	0.33	0.49
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD11	7	0.53	0.38	0.36
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD12	7	0.53	0.38	0.36
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD13	7	0.53	0.38	0.36
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD11	7	0.53	0.38	0.36
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD12	7	0.53	0.38	0.36
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD13	7	0.53	0.38	0.36
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD11	7	0.53	0.38	0.36
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD12	7	0.53	0.38	0.36
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD13	7	0.53	0.38	0.36
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD11	7	0.53	0.38	0.36
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD12	7	0.53	0.38	0.36
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD13	7	0.53	0.38	0.36
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD11	7	0.53	0.38	0.36
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD12	7	0.53	0.38	0.36
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD13	7	0.53	0.38	0.36
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD11	7	0.53	0.38	0.36
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD12	7	0.53	0.38	0.36
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD13	7	0.53	0.38	0.36
(1,692)	1:54:A:LEU:HA	1:58:A:THR:H	7	0.49	0.39	0.45
(1,693)	1:54:B:LEU:HA	1:58:B:THR:H	7	0.49	0.39	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,917)	1:69:A:TRP:HZ2	1:95:B:LEU:HG	7	0.45	0.13	0.48
(1,3203)	1:97:A:ARG:HA	1:97:A:ARG:HD2	7	0.44	0.19	0.53
(1,3204)	1:97:B:ARG:HA	1:97:B:ARG:HD2	7	0.44	0.19	0.53
(1,1422)	1:44:A:LEU:HD11	1:72:A:ILE:HA	7	0.43	0.15	0.44
(1,1422)	1:44:A:LEU:HD12	1:72:A:ILE:HA	7	0.43	0.15	0.44
(1,1422)	1:44:A:LEU:HD13	1:72:A:ILE:HA	7	0.43	0.15	0.44
(1,1423)	1:44:B:LEU:HD11	1:72:B:ILE:HA	7	0.43	0.15	0.44
(1,1423)	1:44:B:LEU:HD12	1:72:B:ILE:HA	7	0.43	0.15	0.44
(1,1423)	1:44:B:LEU:HD13	1:72:B:ILE:HA	7	0.43	0.15	0.44
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD11	7	0.4	0.2	0.26
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD12	7	0.4	0.2	0.26
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD13	7	0.4	0.2	0.26
(2,338)	1:63:B:ALA:HA	1:67:B:LYS:HD3	7	0.4	0.27	0.34
(2,338)	1:63:B:ALA:HA	1:67:B:LYS:HD2	7	0.4	0.27	0.34
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD11	7	0.4	0.2	0.26
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD12	7	0.4	0.2	0.26
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD13	7	0.4	0.2	0.26
(1,823)	1:63:A:ALA:HA	1:67:A:LYS:HD3	7	0.4	0.27	0.33
(1,823)	1:63:A:ALA:HA	1:67:A:LYS:HD2	7	0.4	0.27	0.33
(1,979)	1:25:B:THR:HG21	1:27:B:GLN:H	7	0.36	0.21	0.3
(1,979)	1:25:B:THR:HG22	1:27:B:GLN:H	7	0.36	0.21	0.3
(1,979)	1:25:B:THR:HG23	1:27:B:GLN:H	7	0.36	0.21	0.3
(1,980)	1:25:A:THR:HG21	1:27:A:GLN:H	7	0.36	0.21	0.3
(1,980)	1:25:A:THR:HG22	1:27:A:GLN:H	7	0.36	0.21	0.3
(1,980)	1:25:A:THR:HG23	1:27:A:GLN:H	7	0.36	0.21	0.3
(1,1800)	1:84:B:PHE:HD1	1:85:B:ARG:HA	7	0.33	0.12	0.31
(1,1800)	1:84:B:PHE:HD2	1:85:B:ARG:HA	7	0.33	0.12	0.31
(1,1801)	1:84:A:PHE:HD1	1:85:A:ARG:HA	7	0.33	0.12	0.31
(1,1801)	1:84:A:PHE:HD2	1:85:A:ARG:HA	7	0.33	0.12	0.31
(1,805)	1:65:A:ILE:HG21	1:51:A:VAL:H	7	0.33	0.15	0.33
(1,805)	1:65:A:ILE:HG22	1:51:A:VAL:H	7	0.33	0.15	0.33
(1,805)	1:65:A:ILE:HG23	1:51:A:VAL:H	7	0.33	0.15	0.33
(1,804)	1:65:B:ILE:HG21	1:51:B:VAL:H	7	0.33	0.15	0.33
(1,804)	1:65:B:ILE:HG22	1:51:B:VAL:H	7	0.33	0.15	0.33
(1,804)	1:65:B:ILE:HG23	1:51:B:VAL:H	7	0.33	0.15	0.33
(1,2443)	1:22:B:ARG:HB3	1:23:B:VAL:HA	7	0.3	0.24	0.18
(1,56)	1:49:A:ALA:HB1	1:56:B:PHE:HE1	7	0.29	0.05	0.3
(1,56)	1:49:A:ALA:HB1	1:56:B:PHE:HE2	7	0.29	0.05	0.3
(1,56)	1:49:A:ALA:HB2	1:56:B:PHE:HE1	7	0.29	0.05	0.3
(1,56)	1:49:A:ALA:HB2	1:56:B:PHE:HE2	7	0.29	0.05	0.3
(1,56)	1:49:A:ALA:HB3	1:56:B:PHE:HE1	7	0.29	0.05	0.3
(1,56)	1:49:A:ALA:HB3	1:56:B:PHE:HE2	7	0.29	0.05	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2531)	1:74:B:LYS:HA	1:95:A:LEU:HG	7	0.28	0.12	0.27
(1,57)	1:49:B:ALA:HB1	1:56:A:PHE:HE1	7	0.27	0.08	0.27
(1,57)	1:49:B:ALA:HB1	1:56:A:PHE:HE2	7	0.27	0.08	0.27
(1,57)	1:49:B:ALA:HB2	1:56:A:PHE:HE1	7	0.27	0.08	0.27
(1,57)	1:49:B:ALA:HB2	1:56:A:PHE:HE2	7	0.27	0.08	0.27
(1,57)	1:49:B:ALA:HB3	1:56:A:PHE:HE1	7	0.27	0.08	0.27
(1,57)	1:49:B:ALA:HB3	1:56:A:PHE:HE2	7	0.27	0.08	0.27
(1,1136)	1:77:A:ALA:HB1	1:74:A:LYS:HA	7	0.25	0.08	0.21
(1,1136)	1:77:A:ALA:HB2	1:74:A:LYS:HA	7	0.25	0.08	0.21
(1,1136)	1:77:A:ALA:HB3	1:74:A:LYS:HA	7	0.25	0.08	0.21
(1,1137)	1:77:B:ALA:HB1	1:74:B:LYS:HA	7	0.25	0.08	0.21
(1,1137)	1:77:B:ALA:HB2	1:74:B:LYS:HA	7	0.25	0.08	0.21
(1,1137)	1:77:B:ALA:HB3	1:74:B:LYS:HA	7	0.25	0.08	0.21
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD21	7	0.22	0.08	0.21
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD22	7	0.22	0.08	0.21
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD23	7	0.22	0.08	0.21
(1,2600)	1:90:B:ARG:HA	1:93:B:ASN:HB3	7	0.22	0.06	0.25
(1,2599)	1:90:A:ARG:HA	1:93:A:ASN:HB3	7	0.22	0.06	0.24
(1,2149)	1:79:B:ASN:H	1:76:B:LYS:HA	7	0.21	0.06	0.19
(1,2148)	1:79:A:ASN:H	1:76:A:LYS:HA	7	0.21	0.06	0.19
(1,3479)	1:87:A:GLU:HA	1:89:A:GLY:HA2	7	0.2	0.05	0.2
(1,2354)	1:27:A:GLN:HA	1:29:A:LEU:H	7	0.18	0.11	0.13
(1,2092)	1:45:A:LYS:HE3	1:45:A:LYS:HB3	7	0.17	0.04	0.2
(1,2091)	1:45:B:LYS:HE3	1:45:B:LYS:HB3	7	0.17	0.04	0.19
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD11	7	0.17	0.03	0.17
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD12	7	0.17	0.03	0.17
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD13	7	0.17	0.03	0.17
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD21	7	0.17	0.03	0.17
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD22	7	0.17	0.03	0.17
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD23	7	0.17	0.03	0.17
(1,2095)	1:23:A:VAL:HG11	1:24:A:SER:H	7	0.15	0.04	0.14
(1,2095)	1:23:A:VAL:HG12	1:24:A:SER:H	7	0.15	0.04	0.14
(1,2095)	1:23:A:VAL:HG13	1:24:A:SER:H	7	0.15	0.04	0.14
(1,2095)	1:23:A:VAL:HG21	1:24:A:SER:H	7	0.15	0.04	0.14
(1,2095)	1:23:A:VAL:HG22	1:24:A:SER:H	7	0.15	0.04	0.14
(1,2095)	1:23:A:VAL:HG23	1:24:A:SER:H	7	0.15	0.04	0.14
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD11	7	0.15	0.02	0.14
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD12	7	0.15	0.02	0.14
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD13	7	0.15	0.02	0.14
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD11	7	0.14	0.02	0.14
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD12	7	0.14	0.02	0.14
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD13	7	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,924)	1:82:A:ARG:HA	1:86:A:LYS:H	7	0.14	0.08	0.11
(1,925)	1:82:B:ARG:HA	1:86:B:LYS:H	7	0.14	0.08	0.11
(1,640)	1:93:A:ASN:H	1:93:A:ASN:HB3	7	0.13	0.02	0.14
(1,639)	1:93:B:ASN:H	1:93:B:ASN:HB3	7	0.13	0.02	0.14
(1,3337)	1:77:A:ALA:HB1	1:78:A:ILE:HB	7	0.13	0.02	0.13
(1,3337)	1:77:A:ALA:HB2	1:78:A:ILE:HB	7	0.13	0.02	0.13
(1,3337)	1:77:A:ALA:HB3	1:78:A:ILE:HB	7	0.13	0.02	0.13
(1,1787)	1:86:A:LYS:HG3	1:86:A:LYS:H	7	0.12	0.01	0.12
(1,819)	1:100:A:ARG:H	1:100:A:ARG:HA	7	0.11	0.0	0.11
(1,1590)	1:41:A:ARG:H	1:38:A:LEU:HB3	6	1.88	0.8	1.96
(1,1590)	1:41:A:ARG:H	1:38:A:LEU:HB2	6	1.88	0.8	1.96
(1,1591)	1:41:B:ARG:H	1:38:B:LEU:HB3	6	1.88	0.81	1.96
(1,1591)	1:41:B:ARG:H	1:38:B:LEU:HB2	6	1.88	0.81	1.96
(1,1220)	1:22:A:ARG:HB3	1:24:A:SER:H	6	1.71	0.14	1.66
(1,1220)	1:22:A:ARG:HB2	1:24:A:SER:H	6	1.71	0.14	1.66
(2,54)	1:22:B:ARG:HB3	1:24:B:SER:H	6	1.7	0.14	1.66
(2,54)	1:22:B:ARG:HB2	1:24:B:SER:H	6	1.7	0.14	1.66
(1,1188)	1:75:A:SER:HB3	1:73:A:LYS:HE2	6	1.54	1.41	1.14
(1,1188)	1:75:A:SER:HB3	1:73:A:LYS:HE3	6	1.54	1.41	1.14
(1,1189)	1:75:B:SER:HB3	1:73:B:LYS:HE2	6	1.54	1.41	1.14
(1,1189)	1:75:B:SER:HB3	1:73:B:LYS:HE3	6	1.54	1.41	1.14
(1,3376)	1:74:B:LYS:HG3	1:73:B:LYS:HA	6	1.29	0.05	1.3
(1,3377)	1:74:A:LYS:HG3	1:73:A:LYS:HA	6	1.29	0.05	1.29
(2,337)	1:21:B:ASN:HB3	1:23:B:VAL:H	6	0.9	0.56	0.86
(2,337)	1:21:B:ASN:HB2	1:23:B:VAL:H	6	0.9	0.56	0.86
(1,782)	1:21:A:ASN:HB3	1:23:A:VAL:H	6	0.89	0.56	0.86
(1,782)	1:21:A:ASN:HB2	1:23:A:VAL:H	6	0.89	0.56	0.86
(1,3298)	1:22:B:ARG:HB3	1:63:B:ALA:H	6	0.86	0.59	0.76
(1,674)	1:62:B:THR:HG21	1:26:B:VAL:HA	6	0.8	0.76	0.57
(1,674)	1:62:B:THR:HG22	1:26:B:VAL:HA	6	0.8	0.76	0.57
(1,674)	1:62:B:THR:HG23	1:26:B:VAL:HA	6	0.8	0.76	0.57
(1,675)	1:62:A:THR:HG21	1:26:A:VAL:HA	6	0.79	0.76	0.56
(1,675)	1:62:A:THR:HG22	1:26:A:VAL:HA	6	0.79	0.76	0.56
(1,675)	1:62:A:THR:HG23	1:26:A:VAL:HA	6	0.79	0.76	0.56
(1,2779)	1:49:B:ALA:H	1:44:B:LEU:HD11	6	0.79	0.3	0.74
(1,2779)	1:49:B:ALA:H	1:44:B:LEU:HD12	6	0.79	0.3	0.74
(1,2779)	1:49:B:ALA:H	1:44:B:LEU:HD13	6	0.79	0.3	0.74
(1,2780)	1:49:A:ALA:H	1:44:A:LEU:HD11	6	0.79	0.3	0.74
(1,2780)	1:49:A:ALA:H	1:44:A:LEU:HD12	6	0.79	0.3	0.74
(1,2780)	1:49:A:ALA:H	1:44:A:LEU:HD13	6	0.79	0.3	0.74
(1,3160)	1:43:B:PRO:HD2	1:46:B:LEU:HD11	6	0.78	0.38	0.78
(1,3160)	1:43:B:PRO:HD2	1:46:B:LEU:HD12	6	0.78	0.38	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3160)	1:43:B:PRO:HD2	1:46:B:LEU:HD13	6	0.78	0.38	0.78
(1,3161)	1:43:A:PRO:HD2	1:46:A:LEU:HD11	6	0.78	0.38	0.78
(1,3161)	1:43:A:PRO:HD2	1:46:A:LEU:HD12	6	0.78	0.38	0.78
(1,3161)	1:43:A:PRO:HD2	1:46:A:LEU:HD13	6	0.78	0.38	0.78
(1,44)	1:95:A:LEU:HA	1:74:B:LYS:HE2	6	0.74	0.41	0.57
(1,44)	1:95:A:LEU:HA	1:74:B:LYS:HE3	6	0.74	0.41	0.57
(1,1637)	1:28:B:GLN:H	1:24:B:SER:H	6	0.73	0.3	0.76
(1,1636)	1:28:A:GLN:H	1:24:A:SER:H	6	0.72	0.31	0.76
(1,535)	1:32:A:ARG:H	1:30:A:THR:HB	6	0.69	0.15	0.73
(1,536)	1:32:B:ARG:H	1:30:B:THR:HB	6	0.69	0.14	0.72
(1,1110)	1:41:B:ARG:HA	1:42:B:GLY:H	6	0.65	0.24	0.74
(1,1111)	1:41:A:ARG:HA	1:42:A:GLY:H	6	0.65	0.24	0.74
(1,2683)	1:26:B:VAL:HG11	1:22:B:ARG:HG2	6	0.65	0.48	0.56
(1,2683)	1:26:B:VAL:HG12	1:22:B:ARG:HG2	6	0.65	0.48	0.56
(1,2683)	1:26:B:VAL:HG13	1:22:B:ARG:HG2	6	0.65	0.48	0.56
(1,2683)	1:26:B:VAL:HG11	1:22:B:ARG:HG3	6	0.65	0.48	0.56
(1,2683)	1:26:B:VAL:HG12	1:22:B:ARG:HG3	6	0.65	0.48	0.56
(1,2683)	1:26:B:VAL:HG13	1:22:B:ARG:HG3	6	0.65	0.48	0.56
(1,132)	1:90:B:ARG:HA	1:93:B:ASN:HD21	6	0.63	0.12	0.66
(1,682)	1:60:B:PRO:HG3	1:60:B:PRO:HA	6	0.63	0.02	0.62
(1,683)	1:60:A:PRO:HG3	1:60:A:PRO:HA	6	0.63	0.02	0.62
(1,131)	1:90:A:ARG:HA	1:93:A:ASN:HD21	6	0.62	0.12	0.64
(1,1439)	1:57:A:LEU:HD11	1:59:A:ILE:H	6	0.6	0.09	0.6
(1,1439)	1:57:A:LEU:HD12	1:59:A:ILE:H	6	0.6	0.09	0.6
(1,1439)	1:57:A:LEU:HD13	1:59:A:ILE:H	6	0.6	0.09	0.6
(1,1439)	1:57:A:LEU:HD21	1:59:A:ILE:H	6	0.6	0.09	0.6
(1,1439)	1:57:A:LEU:HD22	1:59:A:ILE:H	6	0.6	0.09	0.6
(1,1439)	1:57:A:LEU:HD23	1:59:A:ILE:H	6	0.6	0.09	0.6
(2,116)	1:59:B:ILE:HD11	1:60:B:PRO:HD2	6	0.56	0.11	0.57
(2,116)	1:59:B:ILE:HD12	1:60:B:PRO:HD2	6	0.56	0.11	0.57
(2,116)	1:59:B:ILE:HD13	1:60:B:PRO:HD2	6	0.56	0.11	0.57
(1,2386)	1:59:A:ILE:HD11	1:60:A:PRO:HD2	6	0.56	0.11	0.57
(1,2386)	1:59:A:ILE:HD12	1:60:A:PRO:HD2	6	0.56	0.11	0.57
(1,2386)	1:59:A:ILE:HD13	1:60:A:PRO:HD2	6	0.56	0.11	0.57
(1,717)	1:44:B:LEU:HD21	1:73:B:LYS:H	6	0.54	0.31	0.51
(1,717)	1:44:B:LEU:HD22	1:73:B:LYS:H	6	0.54	0.31	0.51
(1,717)	1:44:B:LEU:HD23	1:73:B:LYS:H	6	0.54	0.31	0.51
(1,716)	1:44:A:LEU:HD21	1:73:A:LYS:H	6	0.53	0.31	0.51
(1,716)	1:44:A:LEU:HD22	1:73:A:LYS:H	6	0.53	0.31	0.51
(1,716)	1:44:A:LEU:HD23	1:73:A:LYS:H	6	0.53	0.31	0.51
(1,2420)	1:45:A:LYS:HE2	1:56:B:PHE:HA	6	0.52	0.6	0.31
(1,1592)	1:41:A:ARG:HD2	1:41:A:ARG:HA	6	0.51	0.34	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1592)	1:41:A:ARG:HD3	1:41:A:ARG:HA	6	0.51	0.34	0.48
(1,2994)	1:44:B:LEU:HD11	1:71:B:THR:HA	6	0.51	0.23	0.51
(1,2994)	1:44:B:LEU:HD12	1:71:B:THR:HA	6	0.51	0.23	0.51
(1,2994)	1:44:B:LEU:HD13	1:71:B:THR:HA	6	0.51	0.23	0.51
(1,2995)	1:44:A:LEU:HD11	1:71:A:THR:HA	6	0.51	0.23	0.51
(1,2995)	1:44:A:LEU:HD12	1:71:A:THR:HA	6	0.51	0.23	0.51
(1,2995)	1:44:A:LEU:HD13	1:71:A:THR:HA	6	0.51	0.23	0.51
(2,99)	1:41:B:ARG:HD2	1:41:B:ARG:HA	6	0.51	0.34	0.48
(2,99)	1:41:B:ARG:HD3	1:41:B:ARG:HA	6	0.51	0.34	0.48
(1,2881)	1:38:A:LEU:HD11	1:39:A:GLN:H	6	0.5	0.14	0.49
(1,2881)	1:38:A:LEU:HD12	1:39:A:GLN:H	6	0.5	0.14	0.49
(1,2881)	1:38:A:LEU:HD13	1:39:A:GLN:H	6	0.5	0.14	0.49
(1,2882)	1:38:B:LEU:HD11	1:39:B:GLN:H	6	0.5	0.14	0.49
(1,2882)	1:38:B:LEU:HD12	1:39:B:GLN:H	6	0.5	0.14	0.49
(1,2882)	1:38:B:LEU:HD13	1:39:B:GLN:H	6	0.5	0.14	0.49
(1,629)	1:31:B:LYS:H	1:30:B:THR:HB	6	0.45	0.15	0.49
(1,630)	1:31:A:LYS:H	1:30:A:THR:HB	6	0.45	0.15	0.49
(1,2674)	1:69:A:TRP:HH2	1:47:A:PHE:HE1	6	0.44	0.2	0.4
(1,2674)	1:69:A:TRP:HH2	1:47:A:PHE:HE2	6	0.44	0.2	0.4
(1,2675)	1:69:B:TRP:HH2	1:47:B:PHE:HE1	6	0.44	0.2	0.4
(1,2675)	1:69:B:TRP:HH2	1:47:B:PHE:HE2	6	0.44	0.2	0.4
(1,736)	1:57:B:LEU:HB2	1:59:B:ILE:H	6	0.44	0.09	0.41
(1,736)	1:57:B:LEU:HB3	1:59:B:ILE:H	6	0.44	0.09	0.41
(1,3190)	1:66:B:LEU:HD21	1:60:B:PRO:HA	6	0.44	0.27	0.41
(1,3190)	1:66:B:LEU:HD22	1:60:B:PRO:HA	6	0.44	0.27	0.41
(1,3190)	1:66:B:LEU:HD23	1:60:B:PRO:HA	6	0.44	0.27	0.41
(2,80)	1:57:A:LEU:HB2	1:59:A:ILE:H	6	0.44	0.09	0.4
(2,80)	1:57:A:LEU:HB3	1:59:A:ILE:H	6	0.44	0.09	0.4
(1,434)	1:49:B:ALA:HB1	1:57:A:LEU:HB2	6	0.44	0.12	0.42
(1,434)	1:49:B:ALA:HB2	1:57:A:LEU:HB2	6	0.44	0.12	0.42
(1,434)	1:49:B:ALA:HB3	1:57:A:LEU:HB2	6	0.44	0.12	0.42
(1,433)	1:49:A:ALA:HB1	1:57:B:LEU:HB2	6	0.43	0.11	0.42
(1,433)	1:49:A:ALA:HB2	1:57:B:LEU:HB2	6	0.43	0.11	0.42
(1,433)	1:49:A:ALA:HB3	1:57:B:LEU:HB2	6	0.43	0.11	0.42
(1,2518)	1:38:B:LEU:HA	1:38:B:LEU:HD21	6	0.38	0.35	0.26
(1,2518)	1:38:B:LEU:HA	1:38:B:LEU:HD22	6	0.38	0.35	0.26
(1,2518)	1:38:B:LEU:HA	1:38:B:LEU:HD23	6	0.38	0.35	0.26
(1,2519)	1:38:A:LEU:HA	1:38:A:LEU:HD21	6	0.38	0.35	0.26
(1,2519)	1:38:A:LEU:HA	1:38:A:LEU:HD22	6	0.38	0.35	0.26
(1,2519)	1:38:A:LEU:HA	1:38:A:LEU:HD23	6	0.38	0.35	0.26
(1,687)	1:38:B:LEU:HA	1:38:B:LEU:HD21	6	0.38	0.35	0.25
(1,687)	1:38:B:LEU:HA	1:38:B:LEU:HD22	6	0.38	0.35	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,687)	1:38:B:LEU:HA	1:38:B:LEU:HD23	6	0.38	0.35	0.25
(1,686)	1:38:A:LEU:HA	1:38:A:LEU:HD21	6	0.38	0.35	0.25
(1,686)	1:38:A:LEU:HA	1:38:A:LEU:HD22	6	0.38	0.35	0.25
(1,686)	1:38:A:LEU:HA	1:38:A:LEU:HD23	6	0.38	0.35	0.25
(2,135)	1:67:B:LYS:HA	1:67:B:LYS:HD2	6	0.36	0.05	0.36
(2,135)	1:67:B:LYS:HA	1:67:B:LYS:HD3	6	0.36	0.05	0.36
(1,85)	1:69:A:TRP:HH2	1:91:B:MET:HA	6	0.36	0.24	0.24
(1,2872)	1:67:A:LYS:HA	1:67:A:LYS:HD2	6	0.36	0.05	0.36
(1,2872)	1:67:A:LYS:HA	1:67:A:LYS:HD3	6	0.36	0.05	0.36
(1,2558)	1:94:A:ILE:HA	1:98:A:ARG:HG2	6	0.34	0.25	0.21
(1,2559)	1:94:B:ILE:HA	1:98:B:ARG:HG2	6	0.34	0.25	0.2
(1,759)	1:22:A:ARG:HG3	1:22:A:ARG:H	6	0.32	0.11	0.26
(1,2532)	1:74:A:LYS:HA	1:95:B:LEU:HG	6	0.29	0.13	0.32
(1,1519)	1:28:B:GLN:H	1:28:B:GLN:HE22	6	0.28	0.05	0.29
(1,1520)	1:28:A:GLN:H	1:28:A:GLN:HE22	6	0.28	0.05	0.29
(1,436)	1:57:B:LEU:HD11	1:49:A:ALA:HB1	6	0.27	0.12	0.3
(1,436)	1:57:B:LEU:HD11	1:49:A:ALA:HB2	6	0.27	0.12	0.3
(1,436)	1:57:B:LEU:HD11	1:49:A:ALA:HB3	6	0.27	0.12	0.3
(1,436)	1:57:B:LEU:HD12	1:49:A:ALA:HB1	6	0.27	0.12	0.3
(1,436)	1:57:B:LEU:HD12	1:49:A:ALA:HB2	6	0.27	0.12	0.3
(1,436)	1:57:B:LEU:HD12	1:49:A:ALA:HB3	6	0.27	0.12	0.3
(1,436)	1:57:B:LEU:HD13	1:49:A:ALA:HB1	6	0.27	0.12	0.3
(1,436)	1:57:B:LEU:HD13	1:49:A:ALA:HB2	6	0.27	0.12	0.3
(1,436)	1:57:B:LEU:HD13	1:49:A:ALA:HB3	6	0.27	0.12	0.3
(1,2889)	1:59:A:ILE:HD11	1:60:A:PRO:HD2	6	0.27	0.11	0.29
(1,2889)	1:59:A:ILE:HD12	1:60:A:PRO:HD2	6	0.27	0.11	0.29
(1,2889)	1:59:A:ILE:HD13	1:60:A:PRO:HD2	6	0.27	0.11	0.29
(2,120)	1:59:B:ILE:HD11	1:60:B:PRO:HD2	6	0.27	0.11	0.29
(2,120)	1:59:B:ILE:HD12	1:60:B:PRO:HD2	6	0.27	0.11	0.29
(2,120)	1:59:B:ILE:HD13	1:60:B:PRO:HD2	6	0.27	0.11	0.29
(1,3374)	1:94:B:ILE:HD11	1:66:A:LEU:HA	6	0.26	0.11	0.27
(1,3374)	1:94:B:ILE:HD12	1:66:A:LEU:HA	6	0.26	0.11	0.27
(1,3374)	1:94:B:ILE:HD13	1:66:A:LEU:HA	6	0.26	0.11	0.27
(1,3086)	1:67:A:LYS:HA	1:67:A:LYS:HD2	6	0.26	0.05	0.26
(1,3086)	1:67:A:LYS:HA	1:67:A:LYS:HD3	6	0.26	0.05	0.26
(2,322)	1:67:B:LYS:HA	1:67:B:LYS:HD2	6	0.26	0.05	0.26
(2,322)	1:67:B:LYS:HA	1:67:B:LYS:HD3	6	0.26	0.05	0.26
(1,3375)	1:94:A:ILE:HD11	1:66:B:LEU:HA	6	0.25	0.12	0.24
(1,3375)	1:94:A:ILE:HD12	1:66:B:LEU:HA	6	0.25	0.12	0.24
(1,3375)	1:94:A:ILE:HD13	1:66:B:LEU:HA	6	0.25	0.12	0.24
(1,1264)	1:22:B:ARG:HG3	1:22:B:ARG:HA	6	0.23	0.16	0.18
(1,1264)	1:22:B:ARG:HG2	1:22:B:ARG:HA	6	0.23	0.16	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1061)	1:81:A:LEU:H	1:81:A:LEU:HD21	6	0.23	0.07	0.23
(1,1061)	1:81:A:LEU:H	1:81:A:LEU:HD22	6	0.23	0.07	0.23
(1,1061)	1:81:A:LEU:H	1:81:A:LEU:HD23	6	0.23	0.07	0.23
(1,1916)	1:94:A:ILE:HG21	1:69:B:TRP:HH2	6	0.22	0.03	0.22
(1,1916)	1:94:A:ILE:HG22	1:69:B:TRP:HH2	6	0.22	0.03	0.22
(1,1916)	1:94:A:ILE:HG23	1:69:B:TRP:HH2	6	0.22	0.03	0.22
(1,1915)	1:94:B:ILE:HG21	1:69:A:TRP:HH2	6	0.22	0.03	0.2
(1,1915)	1:94:B:ILE:HG22	1:69:A:TRP:HH2	6	0.22	0.03	0.2
(1,1915)	1:94:B:ILE:HG23	1:69:A:TRP:HH2	6	0.22	0.03	0.2
(1,2000)	1:23:A:VAL:HB	1:24:A:SER:H	6	0.21	0.11	0.16
(1,1245)	1:62:A:THR:HB	1:64:A:GLY:H	6	0.21	0.09	0.2
(1,2205)	1:65:B:ILE:HD11	1:50:B:LEU:HD11	6	0.21	0.05	0.2
(1,2205)	1:65:B:ILE:HD11	1:50:B:LEU:HD12	6	0.21	0.05	0.2
(1,2205)	1:65:B:ILE:HD11	1:50:B:LEU:HD13	6	0.21	0.05	0.2
(1,2205)	1:65:B:ILE:HD12	1:50:B:LEU:HD11	6	0.21	0.05	0.2
(1,2205)	1:65:B:ILE:HD12	1:50:B:LEU:HD12	6	0.21	0.05	0.2
(1,2205)	1:65:B:ILE:HD12	1:50:B:LEU:HD13	6	0.21	0.05	0.2
(1,2205)	1:65:B:ILE:HD13	1:50:B:LEU:HD11	6	0.21	0.05	0.2
(1,2205)	1:65:B:ILE:HD13	1:50:B:LEU:HD12	6	0.21	0.05	0.2
(1,2205)	1:65:B:ILE:HD13	1:50:B:LEU:HD13	6	0.21	0.05	0.2
(1,2206)	1:65:A:ILE:HD11	1:50:A:LEU:HD11	6	0.21	0.05	0.2
(1,2206)	1:65:A:ILE:HD11	1:50:A:LEU:HD12	6	0.21	0.05	0.2
(1,2206)	1:65:A:ILE:HD11	1:50:A:LEU:HD13	6	0.21	0.05	0.2
(1,2206)	1:65:A:ILE:HD12	1:50:A:LEU:HD11	6	0.21	0.05	0.2
(1,2206)	1:65:A:ILE:HD12	1:50:A:LEU:HD12	6	0.21	0.05	0.2
(1,2206)	1:65:A:ILE:HD12	1:50:A:LEU:HD13	6	0.21	0.05	0.2
(1,2206)	1:65:A:ILE:HD13	1:50:A:LEU:HD11	6	0.21	0.05	0.2
(1,2206)	1:65:A:ILE:HD13	1:50:A:LEU:HD12	6	0.21	0.05	0.2
(1,2206)	1:65:A:ILE:HD13	1:50:A:LEU:HD13	6	0.21	0.05	0.2
(1,2001)	1:23:B:VAL:HB	1:24:B:SER:H	6	0.21	0.11	0.15
(1,1244)	1:62:B:THR:HB	1:64:B:GLY:H	6	0.21	0.09	0.19
(1,1983)	1:59:A:ILE:H	1:59:A:ILE:HB	6	0.2	0.14	0.15
(1,1982)	1:59:B:ILE:H	1:59:B:ILE:HB	6	0.2	0.13	0.16
(1,534)	1:92:B:LEU:HD11	1:82:A:ARG:HA	6	0.2	0.05	0.2
(1,534)	1:92:B:LEU:HD12	1:82:A:ARG:HA	6	0.2	0.05	0.2
(1,534)	1:92:B:LEU:HD13	1:82:A:ARG:HA	6	0.2	0.05	0.2
(1,2324)	1:78:A:ILE:HA	1:92:B:LEU:HA	6	0.2	0.07	0.2
(1,533)	1:92:A:LEU:HD11	1:82:B:ARG:HA	6	0.19	0.05	0.2
(1,533)	1:92:A:LEU:HD12	1:82:B:ARG:HA	6	0.19	0.05	0.2
(1,533)	1:92:A:LEU:HD13	1:82:B:ARG:HA	6	0.19	0.05	0.2
(1,2228)	1:43:A:PRO:HB2	1:44:A:LEU:H	6	0.19	0.07	0.16
(1,2229)	1:43:B:PRO:HB2	1:44:B:LEU:H	6	0.19	0.07	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1510)	1:94:B:ILE:HG21	1:95:B:LEU:HD11	6	0.18	0.05	0.17
(1,1510)	1:94:B:ILE:HG21	1:95:B:LEU:HD12	6	0.18	0.05	0.17
(1,1510)	1:94:B:ILE:HG21	1:95:B:LEU:HD13	6	0.18	0.05	0.17
(1,1510)	1:94:B:ILE:HG22	1:95:B:LEU:HD11	6	0.18	0.05	0.17
(1,1510)	1:94:B:ILE:HG22	1:95:B:LEU:HD12	6	0.18	0.05	0.17
(1,1510)	1:94:B:ILE:HG22	1:95:B:LEU:HD13	6	0.18	0.05	0.17
(1,1510)	1:94:B:ILE:HG23	1:95:B:LEU:HD11	6	0.18	0.05	0.17
(1,1510)	1:94:B:ILE:HG23	1:95:B:LEU:HD12	6	0.18	0.05	0.17
(1,1510)	1:94:B:ILE:HG23	1:95:B:LEU:HD13	6	0.18	0.05	0.17
(1,1509)	1:94:A:ILE:HG21	1:95:A:LEU:HD11	6	0.18	0.05	0.17
(1,1509)	1:94:A:ILE:HG21	1:95:A:LEU:HD12	6	0.18	0.05	0.17
(1,1509)	1:94:A:ILE:HG21	1:95:A:LEU:HD13	6	0.18	0.05	0.17
(1,1509)	1:94:A:ILE:HG22	1:95:A:LEU:HD11	6	0.18	0.05	0.17
(1,1509)	1:94:A:ILE:HG22	1:95:A:LEU:HD12	6	0.18	0.05	0.17
(1,1509)	1:94:A:ILE:HG22	1:95:A:LEU:HD13	6	0.18	0.05	0.17
(1,1509)	1:94:A:ILE:HG23	1:95:A:LEU:HD11	6	0.18	0.05	0.17
(1,1509)	1:94:A:ILE:HG23	1:95:A:LEU:HD12	6	0.18	0.05	0.17
(1,1509)	1:94:A:ILE:HG23	1:95:A:LEU:HD13	6	0.18	0.05	0.17
(2,82)	1:68:B:ARG:H	1:68:B:ARG:HB3	6	0.17	0.05	0.16
(2,82)	1:68:B:ARG:H	1:68:B:ARG:HB2	6	0.17	0.05	0.16
(1,2069)	1:68:A:ARG:H	1:68:A:ARG:HB3	6	0.17	0.05	0.16
(1,2069)	1:68:A:ARG:H	1:68:A:ARG:HB2	6	0.17	0.05	0.16
(1,1668)	1:78:A:ILE:HG21	1:92:B:LEU:HA	6	0.17	0.06	0.14
(1,1668)	1:78:A:ILE:HG22	1:92:B:LEU:HA	6	0.17	0.06	0.14
(1,1668)	1:78:A:ILE:HG23	1:92:B:LEU:HA	6	0.17	0.06	0.14
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD11	6	0.17	0.02	0.16
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD12	6	0.17	0.02	0.16
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD13	6	0.17	0.02	0.16
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD21	6	0.17	0.02	0.16
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD22	6	0.17	0.02	0.16
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD23	6	0.17	0.02	0.16
(1,2948)	1:51:B:VAL:HA	1:54:B:LEU:H	6	0.15	0.06	0.12
(2,247)	1:72:A:ILE:HG12	1:72:A:ILE:HB	6	0.14	0.03	0.14
(2,247)	1:72:A:ILE:HG13	1:72:A:ILE:HB	6	0.14	0.03	0.14
(1,1207)	1:72:B:ILE:HG12	1:72:B:ILE:HB	6	0.14	0.03	0.14
(1,1207)	1:72:B:ILE:HG13	1:72:B:ILE:HB	6	0.14	0.03	0.14
(1,3338)	1:77:B:ALA:HB1	1:78:B:ILE:HB	6	0.14	0.02	0.14
(1,3338)	1:77:B:ALA:HB2	1:78:B:ILE:HB	6	0.14	0.02	0.14
(1,3338)	1:77:B:ALA:HB3	1:78:B:ILE:HB	6	0.14	0.02	0.14
(1,785)	1:75:B:SER:H	1:74:B:LYS:HB2	6	0.12	0.01	0.12
(1,951)	1:97:B:ARG:HA	1:97:B:ARG:H	6	0.11	0.01	0.11
(1,952)	1:97:A:ARG:HA	1:97:A:ARG:H	6	0.11	0.01	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,820)	1:100:B:ARG:H	1:100:B:ARG:HA	6	0.11	0.0	0.11
(1,2976)	1:22:A:ARG:HG3	1:30:A:THR:HB	5	1.77	1.08	1.54
(1,697)	1:26:A:VAL:HG21	1:64:A:GLY:H	5	1.61	0.96	1.38
(1,697)	1:26:A:VAL:HG22	1:64:A:GLY:H	5	1.61	0.96	1.38
(1,697)	1:26:A:VAL:HG23	1:64:A:GLY:H	5	1.61	0.96	1.38
(1,827)	1:22:A:ARG:HG3	1:27:A:GLN:HA	5	1.05	1.11	0.24
(1,3308)	1:72:A:ILE:HG12	1:47:A:PHE:HB2	5	1.05	0.72	0.83
(1,3308)	1:72:A:ILE:HG13	1:47:A:PHE:HB2	5	1.05	0.72	0.83
(1,3309)	1:72:B:ILE:HG12	1:47:B:PHE:HB2	5	1.05	0.72	0.83
(1,3309)	1:72:B:ILE:HG13	1:47:B:PHE:HB2	5	1.05	0.72	0.83
(1,2611)	1:55:A:ARG:HA	1:54:A:LEU:HB3	5	1.04	0.05	1.06
(1,2612)	1:55:B:ARG:HA	1:54:B:LEU:HB3	5	1.04	0.05	1.06
(1,2786)	1:94:B:ILE:HG21	1:74:A:LYS:HD3	5	1.03	0.63	1.2
(1,2786)	1:94:B:ILE:HG22	1:74:A:LYS:HD3	5	1.03	0.63	1.2
(1,2786)	1:94:B:ILE:HG23	1:74:A:LYS:HD3	5	1.03	0.63	1.2
(1,2786)	1:94:B:ILE:HG21	1:74:A:LYS:HD2	5	1.03	0.63	1.2
(1,2786)	1:94:B:ILE:HG22	1:74:A:LYS:HD2	5	1.03	0.63	1.2
(1,2786)	1:94:B:ILE:HG23	1:74:A:LYS:HD2	5	1.03	0.63	1.2
(1,2879)	1:62:B:THR:HB	1:22:B:ARG:HB3	5	1.01	0.44	1.17
(1,1478)	1:54:B:LEU:HB2	1:53:B:PHE:H	5	0.92	0.03	0.91
(1,1477)	1:54:A:LEU:HB2	1:53:A:PHE:H	5	0.92	0.04	0.91
(2,94)	1:61:B:PRO:HB2	1:66:B:LEU:HD11	5	0.84	0.53	0.69
(2,94)	1:61:B:PRO:HB2	1:66:B:LEU:HD12	5	0.84	0.53	0.69
(2,94)	1:61:B:PRO:HB2	1:66:B:LEU:HD13	5	0.84	0.53	0.69
(1,2702)	1:55:B:ARG:HB3	1:52:B:ALA:HA	5	0.8	0.29	0.8
(1,2703)	1:55:A:ARG:HB3	1:52:A:ALA:HA	5	0.8	0.29	0.8
(1,3400)	1:25:A:THR:HG21	1:28:A:GLN:HE21	5	0.74	0.68	0.27
(1,3400)	1:25:A:THR:HG22	1:28:A:GLN:HE21	5	0.74	0.68	0.27
(1,3400)	1:25:A:THR:HG23	1:28:A:GLN:HE21	5	0.74	0.68	0.27
(1,3399)	1:25:B:THR:HG21	1:28:B:GLN:HE21	5	0.73	0.68	0.27
(1,3399)	1:25:B:THR:HG22	1:28:B:GLN:HE21	5	0.73	0.68	0.27
(1,3399)	1:25:B:THR:HG23	1:28:B:GLN:HE21	5	0.73	0.68	0.27
(1,3041)	1:27:A:GLN:HA	1:30:A:THR:HB	5	0.69	0.34	0.45
(1,3040)	1:27:B:GLN:HA	1:30:B:THR:HB	5	0.69	0.34	0.44
(1,546)	1:70:A:GLY:H	1:68:A:ARG:HE	5	0.64	0.28	0.6
(1,547)	1:70:B:GLY:H	1:68:B:ARG:HE	5	0.64	0.26	0.6
(1,2421)	1:45:B:LYS:HE2	1:56:A:PHE:HA	5	0.59	0.64	0.32
(1,1931)	1:61:A:PRO:HG2	1:54:A:LEU:HD21	5	0.55	0.54	0.3
(1,1931)	1:61:A:PRO:HG2	1:54:A:LEU:HD22	5	0.55	0.54	0.3
(1,1931)	1:61:A:PRO:HG2	1:54:A:LEU:HD23	5	0.55	0.54	0.3
(1,1952)	1:62:A:THR:HA	1:24:A:SER:H	5	0.55	0.67	0.24
(1,1932)	1:61:B:PRO:HG2	1:54:B:LEU:HD21	5	0.55	0.54	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1932)	1:61:B:PRO:HG2	1:54:B:LEU:HD22	5	0.55	0.54	0.3
(1,1932)	1:61:B:PRO:HG2	1:54:B:LEU:HD23	5	0.55	0.54	0.3
(1,1951)	1:62:B:THR:HA	1:24:B:SER:H	5	0.54	0.67	0.23
(1,3384)	1:77:A:ALA:HB1	1:48:A:MET:HG2	5	0.53	0.27	0.63
(1,3384)	1:77:A:ALA:HB2	1:48:A:MET:HG2	5	0.53	0.27	0.63
(1,3384)	1:77:A:ALA:HB3	1:48:A:MET:HG2	5	0.53	0.27	0.63
(1,3384)	1:77:A:ALA:HB1	1:48:A:MET:HG3	5	0.53	0.27	0.63
(1,3384)	1:77:A:ALA:HB2	1:48:A:MET:HG3	5	0.53	0.27	0.63
(1,3384)	1:77:A:ALA:HB3	1:48:A:MET:HG3	5	0.53	0.27	0.63
(1,3385)	1:77:B:ALA:HB1	1:48:B:MET:HG2	5	0.53	0.27	0.63
(1,3385)	1:77:B:ALA:HB2	1:48:B:MET:HG2	5	0.53	0.27	0.63
(1,3385)	1:77:B:ALA:HB3	1:48:B:MET:HG2	5	0.53	0.27	0.63
(1,3385)	1:77:B:ALA:HB1	1:48:B:MET:HG3	5	0.53	0.27	0.63
(1,3385)	1:77:B:ALA:HB2	1:48:B:MET:HG3	5	0.53	0.27	0.63
(1,3385)	1:77:B:ALA:HB3	1:48:B:MET:HG3	5	0.53	0.27	0.63
(1,3362)	1:51:B:VAL:HG21	1:65:B:ILE:HG13	5	0.53	0.75	0.14
(1,3362)	1:51:B:VAL:HG22	1:65:B:ILE:HG13	5	0.53	0.75	0.14
(1,3362)	1:51:B:VAL:HG23	1:65:B:ILE:HG13	5	0.53	0.75	0.14
(1,3363)	1:51:A:VAL:HG21	1:65:A:ILE:HG13	5	0.53	0.75	0.14
(1,3363)	1:51:A:VAL:HG22	1:65:A:ILE:HG13	5	0.53	0.75	0.14
(1,3363)	1:51:A:VAL:HG23	1:65:A:ILE:HG13	5	0.53	0.75	0.14
(1,150)	1:49:B:ALA:HB1	1:57:A:LEU:H	5	0.48	0.06	0.48
(1,150)	1:49:B:ALA:HB2	1:57:A:LEU:H	5	0.48	0.06	0.48
(1,150)	1:49:B:ALA:HB3	1:57:A:LEU:H	5	0.48	0.06	0.48
(1,149)	1:49:A:ALA:HB1	1:57:B:LEU:H	5	0.47	0.06	0.48
(1,149)	1:49:A:ALA:HB2	1:57:B:LEU:H	5	0.47	0.06	0.48
(1,149)	1:49:A:ALA:HB3	1:57:B:LEU:H	5	0.47	0.06	0.48
(1,3227)	1:29:A:LEU:HD11	1:50:A:LEU:HG	5	0.46	0.22	0.32
(1,3227)	1:29:A:LEU:HD12	1:50:A:LEU:HG	5	0.46	0.22	0.32
(1,3227)	1:29:A:LEU:HD13	1:50:A:LEU:HG	5	0.46	0.22	0.32
(1,3228)	1:29:B:LEU:HD11	1:50:B:LEU:HG	5	0.46	0.22	0.32
(1,3228)	1:29:B:LEU:HD12	1:50:B:LEU:HG	5	0.46	0.22	0.32
(1,3228)	1:29:B:LEU:HD13	1:50:B:LEU:HG	5	0.46	0.22	0.32
(1,2973)	1:62:B:THR:HG21	1:23:B:VAL:HG21	5	0.45	0.44	0.25
(1,2973)	1:62:B:THR:HG21	1:23:B:VAL:HG22	5	0.45	0.44	0.25
(1,2973)	1:62:B:THR:HG21	1:23:B:VAL:HG23	5	0.45	0.44	0.25
(1,2973)	1:62:B:THR:HG22	1:23:B:VAL:HG21	5	0.45	0.44	0.25
(1,2973)	1:62:B:THR:HG22	1:23:B:VAL:HG22	5	0.45	0.44	0.25
(1,2973)	1:62:B:THR:HG22	1:23:B:VAL:HG23	5	0.45	0.44	0.25
(1,2973)	1:62:B:THR:HG23	1:23:B:VAL:HG21	5	0.45	0.44	0.25
(1,2973)	1:62:B:THR:HG23	1:23:B:VAL:HG22	5	0.45	0.44	0.25
(1,2973)	1:62:B:THR:HG23	1:23:B:VAL:HG23	5	0.45	0.44	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1236)	1:25:B:THR:HG21	1:28:B:GLN:HE22	5	0.45	0.45	0.2
(1,1236)	1:25:B:THR:HG22	1:28:B:GLN:HE22	5	0.45	0.45	0.2
(1,1236)	1:25:B:THR:HG23	1:28:B:GLN:HE22	5	0.45	0.45	0.2
(1,1235)	1:25:A:THR:HG21	1:28:A:GLN:HE22	5	0.45	0.45	0.2
(1,1235)	1:25:A:THR:HG22	1:28:A:GLN:HE22	5	0.45	0.45	0.2
(1,1235)	1:25:A:THR:HG23	1:28:A:GLN:HE22	5	0.45	0.45	0.2
(1,218)	1:65:A:ILE:HD11	1:54:A:LEU:HG	5	0.43	0.15	0.38
(1,218)	1:65:A:ILE:HD12	1:54:A:LEU:HG	5	0.43	0.15	0.38
(1,218)	1:65:A:ILE:HD13	1:54:A:LEU:HG	5	0.43	0.15	0.38
(1,217)	1:65:B:ILE:HD11	1:54:B:LEU:HG	5	0.42	0.16	0.38
(1,217)	1:65:B:ILE:HD12	1:54:B:LEU:HG	5	0.42	0.16	0.38
(1,217)	1:65:B:ILE:HD13	1:54:B:LEU:HG	5	0.42	0.16	0.38
(1,86)	1:69:B:TRP:HH2	1:91:A:MET:HA	5	0.4	0.23	0.29
(1,1388)	1:62:B:THR:HA	1:23:B:VAL:HG21	5	0.4	0.28	0.37
(1,1388)	1:62:B:THR:HA	1:23:B:VAL:HG22	5	0.4	0.28	0.37
(1,1388)	1:62:B:THR:HA	1:23:B:VAL:HG23	5	0.4	0.28	0.37
(1,974)	1:53:B:PHE:HD1	1:54:B:LEU:HA	5	0.37	0.04	0.36
(1,974)	1:53:B:PHE:HD2	1:54:B:LEU:HA	5	0.37	0.04	0.36
(1,973)	1:53:A:PHE:HD1	1:54:A:LEU:HA	5	0.37	0.04	0.36
(1,973)	1:53:A:PHE:HD2	1:54:A:LEU:HA	5	0.37	0.04	0.36
(1,2769)	1:57:B:LEU:HD21	1:46:A:LEU:HD11	5	0.35	0.15	0.33
(1,2769)	1:57:B:LEU:HD21	1:46:A:LEU:HD12	5	0.35	0.15	0.33
(1,2769)	1:57:B:LEU:HD21	1:46:A:LEU:HD13	5	0.35	0.15	0.33
(1,2769)	1:57:B:LEU:HD22	1:46:A:LEU:HD11	5	0.35	0.15	0.33
(1,2769)	1:57:B:LEU:HD22	1:46:A:LEU:HD12	5	0.35	0.15	0.33
(1,2769)	1:57:B:LEU:HD22	1:46:A:LEU:HD13	5	0.35	0.15	0.33
(1,2769)	1:57:B:LEU:HD23	1:46:A:LEU:HD11	5	0.35	0.15	0.33
(1,2769)	1:57:B:LEU:HD23	1:46:A:LEU:HD12	5	0.35	0.15	0.33
(1,2769)	1:57:B:LEU:HD23	1:46:A:LEU:HD13	5	0.35	0.15	0.33
(1,1483)	1:69:B:TRP:HD1	1:68:B:ARG:HA	5	0.34	0.11	0.33
(1,720)	1:58:A:THR:HG21	1:59:A:ILE:HD11	5	0.33	0.1	0.35
(1,720)	1:58:A:THR:HG21	1:59:A:ILE:HD12	5	0.33	0.1	0.35
(1,720)	1:58:A:THR:HG21	1:59:A:ILE:HD13	5	0.33	0.1	0.35
(1,720)	1:58:A:THR:HG22	1:59:A:ILE:HD11	5	0.33	0.1	0.35
(1,720)	1:58:A:THR:HG22	1:59:A:ILE:HD12	5	0.33	0.1	0.35
(1,720)	1:58:A:THR:HG22	1:59:A:ILE:HD13	5	0.33	0.1	0.35
(1,720)	1:58:A:THR:HG23	1:59:A:ILE:HD11	5	0.33	0.1	0.35
(1,720)	1:58:A:THR:HG23	1:59:A:ILE:HD12	5	0.33	0.1	0.35
(1,720)	1:58:A:THR:HG23	1:59:A:ILE:HD13	5	0.33	0.1	0.35
(1,721)	1:58:B:THR:HG21	1:59:B:ILE:HD11	5	0.33	0.1	0.35
(1,721)	1:58:B:THR:HG21	1:59:B:ILE:HD12	5	0.33	0.1	0.35
(1,721)	1:58:B:THR:HG21	1:59:B:ILE:HD13	5	0.33	0.1	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,721)	1:58:B:THR:HG22	1:59:B:ILE:HD11	5	0.33	0.1	0.35
(1,721)	1:58:B:THR:HG22	1:59:B:ILE:HD12	5	0.33	0.1	0.35
(1,721)	1:58:B:THR:HG22	1:59:B:ILE:HD13	5	0.33	0.1	0.35
(1,721)	1:58:B:THR:HG23	1:59:B:ILE:HD11	5	0.33	0.1	0.35
(1,721)	1:58:B:THR:HG23	1:59:B:ILE:HD12	5	0.33	0.1	0.35
(1,721)	1:58:B:THR:HG23	1:59:B:ILE:HD13	5	0.33	0.1	0.35
(1,1484)	1:69:A:TRP:HD1	1:68:A:ARG:HA	5	0.33	0.11	0.33
(1,766)	1:25:A:THR:HG21	1:54:A:LEU:HG	5	0.32	0.12	0.29
(1,766)	1:25:A:THR:HG22	1:54:A:LEU:HG	5	0.32	0.12	0.29
(1,766)	1:25:A:THR:HG23	1:54:A:LEU:HG	5	0.32	0.12	0.29
(1,767)	1:25:B:THR:HG21	1:54:B:LEU:HG	5	0.32	0.12	0.29
(1,767)	1:25:B:THR:HG22	1:54:B:LEU:HG	5	0.32	0.12	0.29
(1,767)	1:25:B:THR:HG23	1:54:B:LEU:HG	5	0.32	0.12	0.29
(1,1506)	1:57:B:LEU:H	1:54:B:LEU:HB3	5	0.27	0.05	0.28
(1,1505)	1:57:A:LEU:H	1:54:A:LEU:HB3	5	0.26	0.05	0.27
(2,158)	1:95:B:LEU:HD21	1:72:A:ILE:HG12	5	0.25	0.12	0.21
(2,158)	1:95:B:LEU:HD22	1:72:A:ILE:HG12	5	0.25	0.12	0.21
(2,158)	1:95:B:LEU:HD23	1:72:A:ILE:HG12	5	0.25	0.12	0.21
(1,497)	1:26:B:VAL:HG11	1:28:B:GLN:H	5	0.23	0.1	0.24
(1,497)	1:26:B:VAL:HG12	1:28:B:GLN:H	5	0.23	0.1	0.24
(1,497)	1:26:B:VAL:HG13	1:28:B:GLN:H	5	0.23	0.1	0.24
(1,2431)	1:48:B:MET:HB3	1:45:B:LYS:HA	5	0.22	0.06	0.23
(1,153)	1:95:A:LEU:HD21	1:72:B:ILE:HG12	5	0.22	0.11	0.16
(1,153)	1:95:A:LEU:HD22	1:72:B:ILE:HG12	5	0.22	0.11	0.16
(1,153)	1:95:A:LEU:HD23	1:72:B:ILE:HG12	5	0.22	0.11	0.16
(1,2430)	1:48:A:MET:HB3	1:45:A:LYS:HA	5	0.22	0.06	0.23
(1,1802)	1:77:B:ALA:H	1:76:B:LYS:HB2	5	0.21	0.08	0.24
(2,326)	1:77:A:ALA:H	1:76:A:LYS:HB2	5	0.21	0.08	0.23
(1,1143)	1:83:A:GLY:HA2	1:86:A:LYS:HB2	5	0.21	0.05	0.22
(1,2010)	1:95:B:LEU:HD11	1:94:B:ILE:HD11	5	0.2	0.09	0.17
(1,2010)	1:95:B:LEU:HD11	1:94:B:ILE:HD12	5	0.2	0.09	0.17
(1,2010)	1:95:B:LEU:HD11	1:94:B:ILE:HD13	5	0.2	0.09	0.17
(1,2010)	1:95:B:LEU:HD12	1:94:B:ILE:HD11	5	0.2	0.09	0.17
(1,2010)	1:95:B:LEU:HD12	1:94:B:ILE:HD12	5	0.2	0.09	0.17
(1,2010)	1:95:B:LEU:HD12	1:94:B:ILE:HD13	5	0.2	0.09	0.17
(1,2010)	1:95:B:LEU:HD13	1:94:B:ILE:HD11	5	0.2	0.09	0.17
(1,2010)	1:95:B:LEU:HD13	1:94:B:ILE:HD12	5	0.2	0.09	0.17
(1,2010)	1:95:B:LEU:HD13	1:94:B:ILE:HD13	5	0.2	0.09	0.17
(1,2011)	1:95:A:LEU:HD11	1:94:A:ILE:HD11	5	0.2	0.09	0.17
(1,2011)	1:95:A:LEU:HD11	1:94:A:ILE:HD12	5	0.2	0.09	0.17
(1,2011)	1:95:A:LEU:HD11	1:94:A:ILE:HD13	5	0.2	0.09	0.17
(1,2011)	1:95:A:LEU:HD12	1:94:A:ILE:HD11	5	0.2	0.09	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2011)	1:95:A:LEU:HD12	1:94:A:ILE:HD12	5	0.2	0.09	0.17
(1,2011)	1:95:A:LEU:HD12	1:94:A:ILE:HD13	5	0.2	0.09	0.17
(1,2011)	1:95:A:LEU:HD13	1:94:A:ILE:HD11	5	0.2	0.09	0.17
(1,2011)	1:95:A:LEU:HD13	1:94:A:ILE:HD12	5	0.2	0.09	0.17
(1,2011)	1:95:A:LEU:HD13	1:94:A:ILE:HD13	5	0.2	0.09	0.17
(1,1450)	1:98:A:ARG:H	1:97:A:ARG:HB2	5	0.19	0.06	0.23
(1,3296)	1:30:A:THR:HG21	1:28:A:GLN:HA	5	0.19	0.07	0.15
(1,3296)	1:30:A:THR:HG22	1:28:A:GLN:HA	5	0.19	0.07	0.15
(1,3296)	1:30:A:THR:HG23	1:28:A:GLN:HA	5	0.19	0.07	0.15
(1,3297)	1:30:B:THR:HG21	1:28:B:GLN:HA	5	0.19	0.07	0.14
(1,3297)	1:30:B:THR:HG22	1:28:B:GLN:HA	5	0.19	0.07	0.14
(1,3297)	1:30:B:THR:HG23	1:28:B:GLN:HA	5	0.19	0.07	0.14
(1,2501)	1:100:B:ARG:H	1:99:B:ARG:HA	5	0.18	0.06	0.16
(1,2502)	1:100:A:ARG:H	1:99:A:ARG:HA	5	0.18	0.06	0.16
(1,1667)	1:78:B:ILE:HG21	1:92:A:LEU:HA	5	0.18	0.05	0.16
(1,1667)	1:78:B:ILE:HG22	1:92:A:LEU:HA	5	0.18	0.05	0.16
(1,1667)	1:78:B:ILE:HG23	1:92:A:LEU:HA	5	0.18	0.05	0.16
(1,1813)	1:81:B:LEU:H	1:77:B:ALA:HA	5	0.16	0.03	0.14
(1,1814)	1:81:A:LEU:H	1:77:A:ALA:HA	5	0.16	0.03	0.14
(1,2949)	1:51:A:VAL:HA	1:54:A:LEU:H	5	0.16	0.06	0.13
(1,975)	1:54:B:LEU:H	1:54:B:LEU:HB2	5	0.15	0.01	0.15
(1,976)	1:54:A:LEU:H	1:54:A:LEU:HB2	5	0.15	0.01	0.15
(1,1325)	1:88:A:ILE:HG21	1:90:A:ARG:H	5	0.15	0.04	0.14
(1,1325)	1:88:A:ILE:HG22	1:90:A:ARG:H	5	0.15	0.04	0.14
(1,1325)	1:88:A:ILE:HG23	1:90:A:ARG:H	5	0.15	0.04	0.14
(1,1324)	1:88:B:ILE:HG21	1:90:B:ARG:H	5	0.15	0.04	0.14
(1,1324)	1:88:B:ILE:HG22	1:90:B:ARG:H	5	0.15	0.04	0.14
(1,1324)	1:88:B:ILE:HG23	1:90:B:ARG:H	5	0.15	0.04	0.14
(1,2543)	1:27:B:GLN:H	1:26:B:VAL:HB	5	0.13	0.05	0.12
(1,1792)	1:86:A:LYS:HB2	1:87:A:GLU:H	5	0.12	0.01	0.12
(1,2467)	1:86:B:LYS:HA	1:86:B:LYS:HD2	4	1.5	0.14	1.5
(1,2469)	1:86:B:LYS:HA	1:86:B:LYS:HD2	4	1.5	0.14	1.5
(1,2468)	1:86:A:LYS:HA	1:86:A:LYS:HD2	4	1.5	0.14	1.5
(1,2470)	1:86:A:LYS:HA	1:86:A:LYS:HD2	4	1.5	0.14	1.5
(1,3381)	1:94:A:ILE:HG21	1:100:A:ARG:H	4	1.46	0.23	1.48
(1,3381)	1:94:A:ILE:HG22	1:100:A:ARG:H	4	1.46	0.23	1.48
(1,3381)	1:94:A:ILE:HG23	1:100:A:ARG:H	4	1.46	0.23	1.48
(1,3380)	1:94:B:ILE:HG21	1:100:B:ARG:H	4	1.46	0.24	1.48
(1,3380)	1:94:B:ILE:HG22	1:100:B:ARG:H	4	1.46	0.24	1.48
(1,3380)	1:94:B:ILE:HG23	1:100:B:ARG:H	4	1.46	0.24	1.48
(1,1078)	1:95:A:LEU:HA	1:74:B:LYS:HD3	4	1.37	0.5	1.42
(1,1078)	1:95:A:LEU:HA	1:74:B:LYS:HD2	4	1.37	0.5	1.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1869)	1:22:A:ARG:HG2	1:21:A:ASN:HA	4	1.34	0.67	1.15
(1,1079)	1:95:B:LEU:HA	1:74:A:LYS:HD3	4	1.34	0.5	1.42
(1,1079)	1:95:B:LEU:HA	1:74:A:LYS:HD2	4	1.34	0.5	1.42
(1,2977)	1:22:B:ARG:HG2	1:30:B:THR:HB	4	1.31	0.98	1.08
(1,2977)	1:22:B:ARG:HG3	1:30:B:THR:HB	4	1.31	0.98	1.08
(1,2785)	1:94:A:ILE:HG21	1:74:B:LYS:HD3	4	1.31	0.48	1.42
(1,2785)	1:94:A:ILE:HG22	1:74:B:LYS:HD3	4	1.31	0.48	1.42
(1,2785)	1:94:A:ILE:HG23	1:74:B:LYS:HD3	4	1.31	0.48	1.42
(2,290)	1:62:B:THR:HB	1:24:B:SER:HB2	4	1.23	0.93	0.82
(2,291)	1:62:A:THR:HB	1:24:A:SER:HB2	4	1.23	0.93	0.82
(1,187)	1:39:B:GLN:HB2	1:41:B:ARG:HD2	4	1.15	0.53	1.09
(1,187)	1:39:B:GLN:HB3	1:41:B:ARG:HD2	4	1.15	0.53	1.09
(2,30)	1:39:A:GLN:HB2	1:41:A:ARG:HD2	4	1.15	0.53	1.09
(2,30)	1:39:A:GLN:HB3	1:41:A:ARG:HD2	4	1.15	0.53	1.09
(2,58)	1:62:B:THR:HG21	1:24:B:SER:HB2	4	0.94	0.33	0.83
(2,58)	1:62:B:THR:HG22	1:24:B:SER:HB2	4	0.94	0.33	0.83
(2,58)	1:62:B:THR:HG23	1:24:B:SER:HB2	4	0.94	0.33	0.83
(1,2065)	1:62:A:THR:HG21	1:24:A:SER:HB2	4	0.94	0.32	0.82
(1,2065)	1:62:A:THR:HG22	1:24:A:SER:HB2	4	0.94	0.32	0.82
(1,2065)	1:62:A:THR:HG23	1:24:A:SER:HB2	4	0.94	0.32	0.82
(1,3331)	1:26:A:VAL:HG21	1:22:A:ARG:HB3	4	0.74	0.78	0.38
(1,3331)	1:26:A:VAL:HG22	1:22:A:ARG:HB3	4	0.74	0.78	0.38
(1,3331)	1:26:A:VAL:HG23	1:22:A:ARG:HB3	4	0.74	0.78	0.38
(1,3331)	1:26:A:VAL:HG21	1:22:A:ARG:HB2	4	0.74	0.78	0.38
(1,3331)	1:26:A:VAL:HG22	1:22:A:ARG:HB2	4	0.74	0.78	0.38
(1,3331)	1:26:A:VAL:HG23	1:22:A:ARG:HB2	4	0.74	0.78	0.38
(2,118)	1:76:B:LYS:H	1:73:B:LYS:HD3	4	0.72	0.4	0.76
(2,118)	1:76:B:LYS:H	1:73:B:LYS:HD2	4	0.72	0.4	0.76
(1,3078)	1:22:B:ARG:HB2	1:24:B:SER:HA	4	0.72	0.36	0.68
(1,2754)	1:76:A:LYS:H	1:73:A:LYS:HD3	4	0.72	0.4	0.76
(1,2754)	1:76:A:LYS:H	1:73:A:LYS:HD2	4	0.72	0.4	0.76
(1,2670)	1:80:A:VAL:HG21	1:45:A:LYS:HG2	4	0.68	0.81	0.26
(1,2670)	1:80:A:VAL:HG22	1:45:A:LYS:HG2	4	0.68	0.81	0.26
(1,2670)	1:80:A:VAL:HG23	1:45:A:LYS:HG2	4	0.68	0.81	0.26
(1,1457)	1:28:A:GLN:H	1:25:A:THR:H	4	0.62	0.51	0.4
(1,1458)	1:28:B:GLN:H	1:25:B:THR:H	4	0.62	0.51	0.4
(1,467)	1:61:B:PRO:HA	1:65:B:ILE:HD11	4	0.6	0.2	0.7
(1,467)	1:61:B:PRO:HA	1:65:B:ILE:HD12	4	0.6	0.2	0.7
(1,467)	1:61:B:PRO:HA	1:65:B:ILE:HD13	4	0.6	0.2	0.7
(1,468)	1:61:A:PRO:HA	1:65:A:ILE:HD11	4	0.6	0.2	0.7
(1,468)	1:61:A:PRO:HA	1:65:A:ILE:HD12	4	0.6	0.2	0.7
(1,468)	1:61:A:PRO:HA	1:65:A:ILE:HD13	4	0.6	0.2	0.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1234)	1:46:B:LEU:H	1:43:B:PRO:HB3	4	0.58	0.36	0.54
(1,1233)	1:46:A:LEU:H	1:43:A:PRO:HB3	4	0.58	0.36	0.54
(1,281)	1:27:A:GLN:H	1:24:A:SER:HB3	4	0.57	0.39	0.44
(1,281)	1:27:A:GLN:H	1:24:A:SER:HB2	4	0.57	0.39	0.44
(2,40)	1:27:B:GLN:H	1:24:B:SER:HB3	4	0.57	0.39	0.42
(2,40)	1:27:B:GLN:H	1:24:B:SER:HB2	4	0.57	0.39	0.42
(1,458)	1:26:B:VAL:HA	1:22:B:ARG:HG2	4	0.56	0.37	0.54
(1,458)	1:26:B:VAL:HA	1:22:B:ARG:HG3	4	0.56	0.37	0.54
(1,2626)	1:45:A:LYS:HE3	1:56:B:PHE:HA	4	0.49	0.43	0.28
(1,2627)	1:45:B:LYS:HE3	1:56:A:PHE:HA	4	0.48	0.44	0.26
(1,15)	1:55:A:ARG:HB2	1:91:B:MET:HG3	4	0.45	0.25	0.36
(1,15)	1:55:A:ARG:HB3	1:91:B:MET:HG2	4	0.45	0.25	0.36
(1,15)	1:55:A:ARG:HB2	1:91:B:MET:HG2	4	0.45	0.25	0.36
(1,3299)	1:22:A:ARG:HB3	1:63:A:ALA:H	4	0.44	0.29	0.36
(1,3299)	1:22:A:ARG:HB2	1:63:A:ALA:H	4	0.44	0.29	0.36
(1,2955)	1:38:A:LEU:HD11	1:36:A:GLY:HA3	4	0.44	0.25	0.41
(1,2955)	1:38:A:LEU:HD12	1:36:A:GLY:HA3	4	0.44	0.25	0.41
(1,2955)	1:38:A:LEU:HD13	1:36:A:GLY:HA3	4	0.44	0.25	0.41
(1,2954)	1:38:B:LEU:HD11	1:36:B:GLY:HA3	4	0.44	0.26	0.41
(1,2954)	1:38:B:LEU:HD12	1:36:B:GLY:HA3	4	0.44	0.26	0.41
(1,2954)	1:38:B:LEU:HD13	1:36:B:GLY:HA3	4	0.44	0.26	0.41
(1,2537)	1:98:A:ARG:HD2	1:98:A:ARG:HG2	4	0.41	0.0	0.41
(1,2538)	1:98:B:ARG:HD2	1:98:B:ARG:HG2	4	0.41	0.0	0.41
(1,2792)	1:42:B:GLY:HA2	1:41:B:ARG:HB3	4	0.4	0.11	0.37
(1,251)	1:24:B:SER:HB3	1:23:B:VAL:HB	4	0.4	0.1	0.42
(1,251)	1:24:B:SER:HB2	1:23:B:VAL:HB	4	0.4	0.1	0.42
(1,252)	1:24:A:SER:HB3	1:23:A:VAL:HB	4	0.4	0.1	0.42
(1,252)	1:24:A:SER:HB2	1:23:A:VAL:HB	4	0.4	0.1	0.42
(1,2210)	1:24:B:SER:HB3	1:23:B:VAL:HB	4	0.4	0.1	0.42
(1,2210)	1:24:B:SER:HB2	1:23:B:VAL:HB	4	0.4	0.1	0.42
(1,2211)	1:24:A:SER:HB3	1:23:A:VAL:HB	4	0.4	0.1	0.42
(1,2211)	1:24:A:SER:HB2	1:23:A:VAL:HB	4	0.4	0.1	0.42
(1,2793)	1:42:A:GLY:HA2	1:41:A:ARG:HB3	4	0.4	0.11	0.36
(1,3183)	1:48:A:MET:HG2	1:81:A:LEU:HG	4	0.4	0.23	0.42
(1,3183)	1:48:A:MET:HG3	1:81:A:LEU:HG	4	0.4	0.23	0.42
(1,2)	1:57:B:LEU:HD11	1:45:A:LYS:H	4	0.35	0.18	0.28
(1,2)	1:57:B:LEU:HD12	1:45:A:LYS:H	4	0.35	0.18	0.28
(1,2)	1:57:B:LEU:HD13	1:45:A:LYS:H	4	0.35	0.18	0.28
(1,1034)	1:57:B:LEU:HD11	1:45:A:LYS:H	4	0.35	0.18	0.28
(1,1034)	1:57:B:LEU:HD12	1:45:A:LYS:H	4	0.35	0.18	0.28
(1,1034)	1:57:B:LEU:HD13	1:45:A:LYS:H	4	0.35	0.18	0.28
(1,3486)	1:57:B:LEU:HD11	1:45:A:LYS:H	4	0.35	0.18	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3486)	1:57:B:LEU:HD12	1:45:A:LYS:H	4	0.35	0.18	0.28
(1,3486)	1:57:B:LEU:HD13	1:45:A:LYS:H	4	0.35	0.18	0.28
(1,1)	1:57:A:LEU:HD11	1:45:B:LYS:H	4	0.35	0.17	0.29
(1,1)	1:57:A:LEU:HD12	1:45:B:LYS:H	4	0.35	0.17	0.29
(1,1)	1:57:A:LEU:HD13	1:45:B:LYS:H	4	0.35	0.17	0.29
(1,1035)	1:57:A:LEU:HD11	1:45:B:LYS:H	4	0.35	0.17	0.29
(1,1035)	1:57:A:LEU:HD12	1:45:B:LYS:H	4	0.35	0.17	0.29
(1,1035)	1:57:A:LEU:HD13	1:45:B:LYS:H	4	0.35	0.17	0.29
(1,3487)	1:57:A:LEU:HD11	1:45:B:LYS:H	4	0.35	0.17	0.29
(1,3487)	1:57:A:LEU:HD12	1:45:B:LYS:H	4	0.35	0.17	0.29
(1,3487)	1:57:A:LEU:HD13	1:45:B:LYS:H	4	0.35	0.17	0.29
(1,1304)	1:59:B:ILE:HG21	1:54:B:LEU:HA	4	0.33	0.15	0.32
(1,1304)	1:59:B:ILE:HG22	1:54:B:LEU:HA	4	0.33	0.15	0.32
(1,1304)	1:59:B:ILE:HG23	1:54:B:LEU:HA	4	0.33	0.15	0.32
(1,1303)	1:59:A:ILE:HG21	1:54:A:LEU:HA	4	0.33	0.15	0.32
(1,1303)	1:59:A:ILE:HG22	1:54:A:LEU:HA	4	0.33	0.15	0.32
(1,1303)	1:59:A:ILE:HG23	1:54:A:LEU:HA	4	0.33	0.15	0.32
(1,2942)	1:71:B:THR:H	1:44:B:LEU:HD11	4	0.3	0.13	0.3
(1,2942)	1:71:B:THR:H	1:44:B:LEU:HD12	4	0.3	0.13	0.3
(1,2942)	1:71:B:THR:H	1:44:B:LEU:HD13	4	0.3	0.13	0.3
(1,2943)	1:71:A:THR:H	1:44:A:LEU:HD11	4	0.3	0.13	0.3
(1,2943)	1:71:A:THR:H	1:44:A:LEU:HD12	4	0.3	0.13	0.3
(1,2943)	1:71:A:THR:H	1:44:A:LEU:HD13	4	0.3	0.13	0.3
(1,1682)	1:80:A:VAL:H	1:79:A:ASN:HD21	4	0.29	0.07	0.29
(2,353)	1:24:A:SER:HB3	1:25:A:THR:H	4	0.29	0.06	0.29
(2,217)	1:80:B:VAL:H	1:79:B:ASN:HD21	4	0.29	0.07	0.28
(2,9)	1:24:B:SER:HB3	1:25:B:THR:H	4	0.29	0.06	0.29
(1,1918)	1:49:A:ALA:HB1	1:57:B:LEU:HA	4	0.28	0.07	0.26
(1,1918)	1:49:A:ALA:HB2	1:57:B:LEU:HA	4	0.28	0.07	0.26
(1,1918)	1:49:A:ALA:HB3	1:57:B:LEU:HA	4	0.28	0.07	0.26
(1,1917)	1:49:B:ALA:HB1	1:57:A:LEU:HA	4	0.28	0.06	0.26
(1,1917)	1:49:B:ALA:HB2	1:57:A:LEU:HA	4	0.28	0.06	0.26
(1,1917)	1:49:B:ALA:HB3	1:57:A:LEU:HA	4	0.28	0.06	0.26
(2,300)	1:27:A:GLN:HB2	1:25:A:THR:H	4	0.27	0.16	0.24
(1,482)	1:84:A:PHE:HD1	1:87:A:GLU:H	4	0.27	0.14	0.24
(1,482)	1:84:A:PHE:HD2	1:87:A:GLU:H	4	0.27	0.14	0.24
(1,3357)	1:84:B:PHE:HD1	1:87:B:GLU:HA	4	0.27	0.11	0.24
(1,3357)	1:84:B:PHE:HD2	1:87:B:GLU:HA	4	0.27	0.11	0.24
(1,483)	1:84:B:PHE:HD1	1:87:B:GLU:H	4	0.26	0.14	0.24
(1,483)	1:84:B:PHE:HD2	1:87:B:GLU:H	4	0.26	0.14	0.24
(1,1001)	1:27:B:GLN:HB2	1:25:B:THR:H	4	0.26	0.16	0.23
(1,3356)	1:84:A:PHE:HD1	1:87:A:GLU:HA	4	0.26	0.11	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3356)	1:84:A:PHE:HD2	1:87:A:GLU:HA	4	0.26	0.11	0.24
(1,3413)	1:69:A:TRP:HE1	1:66:A:LEU:HA	4	0.25	0.13	0.24
(1,1875)	1:93:B:ASN:HA	1:98:B:ARG:H	4	0.24	0.07	0.25
(1,1876)	1:93:A:ASN:HA	1:98:A:ARG:H	4	0.24	0.07	0.24
(1,1964)	1:29:B:LEU:HD21	1:50:B:LEU:HD21	4	0.23	0.07	0.26
(1,1964)	1:29:B:LEU:HD21	1:50:B:LEU:HD22	4	0.23	0.07	0.26
(1,1964)	1:29:B:LEU:HD21	1:50:B:LEU:HD23	4	0.23	0.07	0.26
(1,1964)	1:29:B:LEU:HD22	1:50:B:LEU:HD21	4	0.23	0.07	0.26
(1,1964)	1:29:B:LEU:HD22	1:50:B:LEU:HD22	4	0.23	0.07	0.26
(1,1964)	1:29:B:LEU:HD22	1:50:B:LEU:HD23	4	0.23	0.07	0.26
(1,1964)	1:29:B:LEU:HD23	1:50:B:LEU:HD21	4	0.23	0.07	0.26
(1,1964)	1:29:B:LEU:HD23	1:50:B:LEU:HD22	4	0.23	0.07	0.26
(1,1964)	1:29:B:LEU:HD23	1:50:B:LEU:HD23	4	0.23	0.07	0.26
(1,1965)	1:29:A:LEU:HD21	1:50:A:LEU:HD21	4	0.23	0.07	0.26
(1,1965)	1:29:A:LEU:HD21	1:50:A:LEU:HD22	4	0.23	0.07	0.26
(1,1965)	1:29:A:LEU:HD21	1:50:A:LEU:HD23	4	0.23	0.07	0.26
(1,1965)	1:29:A:LEU:HD22	1:50:A:LEU:HD21	4	0.23	0.07	0.26
(1,1965)	1:29:A:LEU:HD22	1:50:A:LEU:HD22	4	0.23	0.07	0.26
(1,1965)	1:29:A:LEU:HD22	1:50:A:LEU:HD23	4	0.23	0.07	0.26
(1,1965)	1:29:A:LEU:HD23	1:50:A:LEU:HD21	4	0.23	0.07	0.26
(1,1965)	1:29:A:LEU:HD23	1:50:A:LEU:HD22	4	0.23	0.07	0.26
(1,1965)	1:29:A:LEU:HD23	1:50:A:LEU:HD23	4	0.23	0.07	0.26
(1,1640)	1:94:B:ILE:H	1:93:B:ASN:HD21	4	0.23	0.03	0.24
(1,3109)	1:47:B:PHE:HD1	1:44:B:LEU:HA	4	0.23	0.07	0.2
(1,3109)	1:47:B:PHE:HD2	1:44:B:LEU:HA	4	0.23	0.07	0.2
(1,3110)	1:47:A:PHE:HD1	1:44:A:LEU:HA	4	0.23	0.07	0.2
(1,3110)	1:47:A:PHE:HD2	1:44:A:LEU:HA	4	0.23	0.07	0.2
(1,1641)	1:94:A:ILE:H	1:93:A:ASN:HD21	4	0.23	0.03	0.24
(1,2325)	1:78:B:ILE:HA	1:92:A:LEU:HA	4	0.22	0.06	0.21
(1,1380)	1:62:B:THR:HB	1:63:B:ALA:HB1	4	0.22	0.08	0.22
(1,1380)	1:62:B:THR:HB	1:63:B:ALA:HB2	4	0.22	0.08	0.22
(1,1380)	1:62:B:THR:HB	1:63:B:ALA:HB3	4	0.22	0.08	0.22
(1,1379)	1:62:A:THR:HB	1:63:A:ALA:HB1	4	0.22	0.08	0.22
(1,1379)	1:62:A:THR:HB	1:63:A:ALA:HB2	4	0.22	0.08	0.22
(1,1379)	1:62:A:THR:HB	1:63:A:ALA:HB3	4	0.22	0.08	0.22
(1,1008)	1:65:A:ILE:HD11	1:61:A:PRO:HB3	4	0.22	0.04	0.24
(1,1008)	1:65:A:ILE:HD12	1:61:A:PRO:HB3	4	0.22	0.04	0.24
(1,1008)	1:65:A:ILE:HD13	1:61:A:PRO:HB3	4	0.22	0.04	0.24
(2,18)	1:65:B:ILE:HD11	1:61:B:PRO:HB3	4	0.22	0.03	0.23
(2,18)	1:65:B:ILE:HD12	1:61:B:PRO:HB3	4	0.22	0.03	0.23
(2,18)	1:65:B:ILE:HD13	1:61:B:PRO:HB3	4	0.22	0.03	0.23
(1,1449)	1:98:B:ARG:H	1:97:B:ARG:HB2	4	0.21	0.04	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2982)	1:49:A:ALA:H	1:46:A:LEU:HA	4	0.21	0.1	0.18
(1,2983)	1:49:B:ALA:H	1:46:B:LEU:HA	4	0.21	0.1	0.18
(1,442)	1:74:B:LYS:HB2	1:75:B:SER:HB3	4	0.19	0.09	0.15
(1,1844)	1:51:A:VAL:HA	1:54:A:LEU:HB2	4	0.19	0.07	0.18
(1,1845)	1:51:B:VAL:HA	1:54:B:LEU:HB2	4	0.19	0.07	0.18
(1,441)	1:74:A:LYS:HB2	1:75:A:SER:HB3	4	0.19	0.08	0.15
(1,1649)	1:95:A:LEU:HD11	1:92:A:LEU:HA	4	0.19	0.07	0.16
(1,1649)	1:95:A:LEU:HD12	1:92:A:LEU:HA	4	0.19	0.07	0.16
(1,1649)	1:95:A:LEU:HD13	1:92:A:LEU:HA	4	0.19	0.07	0.16
(1,1047)	1:94:A:ILE:HG13	1:93:A:ASN:H	4	0.18	0.04	0.19
(1,1046)	1:94:B:ILE:HG13	1:93:B:ASN:H	4	0.18	0.04	0.18
(1,650)	1:51:A:VAL:HG11	1:48:A:MET:HA	4	0.17	0.06	0.14
(1,650)	1:51:A:VAL:HG12	1:48:A:MET:HA	4	0.17	0.06	0.14
(1,650)	1:51:A:VAL:HG13	1:48:A:MET:HA	4	0.17	0.06	0.14
(1,651)	1:51:B:VAL:HG11	1:48:B:MET:HA	4	0.17	0.06	0.14
(1,651)	1:51:B:VAL:HG12	1:48:B:MET:HA	4	0.17	0.06	0.14
(1,651)	1:51:B:VAL:HG13	1:48:B:MET:HA	4	0.17	0.06	0.14
(1,3215)	1:50:A:LEU:HD21	1:54:A:LEU:H	4	0.17	0.03	0.18
(1,3215)	1:50:A:LEU:HD22	1:54:A:LEU:H	4	0.17	0.03	0.18
(1,3215)	1:50:A:LEU:HD23	1:54:A:LEU:H	4	0.17	0.03	0.18
(1,257)	1:94:B:ILE:HD11	1:87:B:GLU:HA	4	0.17	0.05	0.17
(1,257)	1:94:B:ILE:HD12	1:87:B:GLU:HA	4	0.17	0.05	0.17
(1,257)	1:94:B:ILE:HD13	1:87:B:GLU:HA	4	0.17	0.05	0.17
(1,2044)	1:67:B:LYS:HB3	1:67:B:LYS:H	4	0.17	0.02	0.16
(1,2045)	1:67:A:LYS:HB3	1:67:A:LYS:H	4	0.17	0.02	0.16
(1,258)	1:94:A:ILE:HD11	1:87:A:GLU:HA	4	0.16	0.05	0.16
(1,258)	1:94:A:ILE:HD12	1:87:A:GLU:HA	4	0.16	0.05	0.16
(1,258)	1:94:A:ILE:HD13	1:87:A:GLU:HA	4	0.16	0.05	0.16
(1,3214)	1:50:B:LEU:HD21	1:54:B:LEU:H	4	0.16	0.03	0.16
(1,3214)	1:50:B:LEU:HD22	1:54:B:LEU:H	4	0.16	0.03	0.16
(1,3214)	1:50:B:LEU:HD23	1:54:B:LEU:H	4	0.16	0.03	0.16
(1,1782)	1:44:A:LEU:HA	1:47:A:PHE:HB2	4	0.16	0.03	0.16
(1,2744)	1:99:B:ARG:HD3	1:99:B:ARG:HB3	4	0.16	0.01	0.16
(1,1781)	1:44:B:LEU:HA	1:47:B:PHE:HB2	4	0.16	0.04	0.16
(1,2745)	1:99:A:ARG:HD3	1:99:A:ARG:HB3	4	0.16	0.01	0.16
(1,1846)	1:22:B:ARG:HA	1:21:B:ASN:HA	4	0.16	0.02	0.16
(1,1847)	1:22:A:ARG:HA	1:21:A:ASN:HA	4	0.16	0.02	0.16
(1,422)	1:69:B:TRP:H	1:68:B:ARG:HA	4	0.15	0.03	0.15
(1,1909)	1:87:A:GLU:HB3	1:90:A:ARG:H	4	0.15	0.04	0.12
(1,421)	1:69:A:TRP:H	1:68:A:ARG:HA	4	0.15	0.04	0.15
(1,1910)	1:87:B:GLU:HB3	1:90:B:ARG:H	4	0.14	0.04	0.12
(1,2544)	1:27:A:GLN:H	1:26:A:VAL:HB	4	0.14	0.05	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1216)	1:23:B:VAL:HG21	1:23:B:VAL:H	4	0.12	0.01	0.12
(1,1216)	1:23:B:VAL:HG22	1:23:B:VAL:H	4	0.12	0.01	0.12
(1,1216)	1:23:B:VAL:HG23	1:23:B:VAL:H	4	0.12	0.01	0.12
(1,1907)	1:23:B:VAL:HB	1:23:B:VAL:H	4	0.12	0.0	0.12
(1,1908)	1:23:A:VAL:HB	1:23:A:VAL:H	4	0.12	0.0	0.12
(1,2291)	1:23:B:VAL:HG21	1:23:B:VAL:H	4	0.12	0.01	0.12
(1,2291)	1:23:B:VAL:HG22	1:23:B:VAL:H	4	0.12	0.01	0.12
(1,2291)	1:23:B:VAL:HG23	1:23:B:VAL:H	4	0.12	0.01	0.12
(1,1088)	1:80:A:VAL:HG21	1:81:A:LEU:H	4	0.11	0.01	0.11
(1,1088)	1:80:A:VAL:HG22	1:81:A:LEU:H	4	0.11	0.01	0.11
(1,1088)	1:80:A:VAL:HG23	1:81:A:LEU:H	4	0.11	0.01	0.11
(1,1013)	1:73:B:LYS:H	1:73:B:LYS:HA	4	0.11	0.0	0.11
(1,1014)	1:73:A:LYS:H	1:73:A:LYS:HA	4	0.11	0.0	0.11
(1,2067)	1:30:A:THR:HG21	1:22:A:ARG:HG2	3	2.41	0.97	3.0
(1,2067)	1:30:A:THR:HG22	1:22:A:ARG:HG2	3	2.41	0.97	3.0
(1,2067)	1:30:A:THR:HG23	1:22:A:ARG:HG2	3	2.41	0.97	3.0
(2,281)	1:31:A:LYS:HE3	1:27:A:GLN:HG2	3	2.35	1.68	2.49
(2,281)	1:31:A:LYS:HE2	1:27:A:GLN:HG3	3	2.35	1.68	2.49
(2,281)	1:31:A:LYS:HE2	1:27:A:GLN:HG2	3	2.35	1.68	2.49
(2,360)	1:31:B:LYS:HE3	1:27:B:GLN:HG2	3	2.34	1.69	2.48
(2,360)	1:31:B:LYS:HE2	1:27:B:GLN:HG3	3	2.34	1.69	2.48
(2,360)	1:31:B:LYS:HE2	1:27:B:GLN:HG2	3	2.34	1.69	2.48
(1,2068)	1:30:B:THR:HG21	1:22:B:ARG:HG2	3	2.3	0.9	2.86
(1,2068)	1:30:B:THR:HG22	1:22:B:ARG:HG2	3	2.3	0.9	2.86
(1,2068)	1:30:B:THR:HG23	1:22:B:ARG:HG2	3	2.3	0.9	2.86
(1,2068)	1:30:B:THR:HG21	1:22:B:ARG:HG3	3	2.3	0.9	2.86
(1,2068)	1:30:B:THR:HG22	1:22:B:ARG:HG3	3	2.3	0.9	2.86
(1,2068)	1:30:B:THR:HG23	1:22:B:ARG:HG3	3	2.3	0.9	2.86
(1,469)	1:27:B:GLN:HA	1:31:B:LYS:HE3	3	1.92	1.16	1.82
(1,469)	1:27:B:GLN:HA	1:31:B:LYS:HE2	3	1.92	1.16	1.82
(1,470)	1:27:A:GLN:HA	1:31:A:LYS:HE3	3	1.92	1.16	1.83
(1,470)	1:27:A:GLN:HA	1:31:A:LYS:HE2	3	1.92	1.16	1.83
(1,2236)	1:28:A:GLN:HA	1:31:A:LYS:HE2	3	1.86	2.0	0.76
(1,2236)	1:28:A:GLN:HA	1:31:A:LYS:HE3	3	1.86	2.0	0.76
(1,2237)	1:28:B:GLN:HA	1:31:B:LYS:HE2	3	1.86	1.99	0.76
(1,2237)	1:28:B:GLN:HA	1:31:B:LYS:HE3	3	1.86	1.99	0.76
(1,1699)	1:72:B:ILE:HG13	1:71:B:THR:H	3	1.77	0.35	1.94
(1,1700)	1:72:A:ILE:HG13	1:71:A:THR:H	3	1.76	0.35	1.94
(1,275)	1:41:A:ARG:HB2	1:71:A:THR:HB	3	1.34	0.92	1.33
(1,276)	1:41:B:ARG:HB2	1:71:B:THR:HB	3	1.34	0.92	1.33
(1,3423)	1:72:A:ILE:HG13	1:71:A:THR:H	3	1.28	0.35	1.46
(1,3422)	1:72:B:ILE:HG13	1:71:B:THR:H	3	1.28	0.35	1.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,907)	1:28:A:GLN:HA	1:31:A:LYS:HG3	3	1.06	1.13	0.3
(1,907)	1:28:A:GLN:HA	1:31:A:LYS:HG2	3	1.06	1.13	0.3
(1,908)	1:28:B:GLN:HA	1:31:B:LYS:HG3	3	1.06	1.13	0.3
(1,908)	1:28:B:GLN:HA	1:31:B:LYS:HG2	3	1.06	1.13	0.3
(1,1929)	1:61:A:PRO:HG2	1:54:A:LEU:HD11	3	1.03	0.81	0.55
(1,1929)	1:61:A:PRO:HG2	1:54:A:LEU:HD12	3	1.03	0.81	0.55
(1,1929)	1:61:A:PRO:HG2	1:54:A:LEU:HD13	3	1.03	0.81	0.55
(1,1930)	1:61:B:PRO:HG2	1:54:B:LEU:HD11	3	1.03	0.81	0.55
(1,1930)	1:61:B:PRO:HG2	1:54:B:LEU:HD12	3	1.03	0.81	0.55
(1,1930)	1:61:B:PRO:HG2	1:54:B:LEU:HD13	3	1.03	0.81	0.55
(1,2958)	1:29:B:LEU:HA	1:28:B:GLN:HG2	3	0.98	1.12	0.22
(1,2958)	1:29:B:LEU:HA	1:28:B:GLN:HG3	3	0.98	1.12	0.22
(1,2959)	1:29:A:LEU:HA	1:28:A:GLN:HG2	3	0.98	1.11	0.22
(1,2959)	1:29:A:LEU:HA	1:28:A:GLN:HG3	3	0.98	1.11	0.22
(1,3031)	1:79:A:ASN:H	1:82:A:ARG:HD3	3	0.89	0.07	0.89
(1,3032)	1:79:B:ASN:H	1:82:B:ARG:HD3	3	0.89	0.07	0.89
(1,2357)	1:80:B:VAL:H	1:79:B:ASN:HB2	3	0.88	0.01	0.88
(1,2701)	1:30:A:THR:HG21	1:27:A:GLN:HG3	3	0.72	0.33	0.8
(1,2701)	1:30:A:THR:HG22	1:27:A:GLN:HG3	3	0.72	0.33	0.8
(1,2701)	1:30:A:THR:HG23	1:27:A:GLN:HG3	3	0.72	0.33	0.8
(2,240)	1:30:B:THR:HG21	1:27:B:GLN:HG3	3	0.72	0.32	0.79
(2,240)	1:30:B:THR:HG22	1:27:B:GLN:HG3	3	0.72	0.32	0.79
(2,240)	1:30:B:THR:HG23	1:27:B:GLN:HG3	3	0.72	0.32	0.79
(2,138)	1:77:A:ALA:H	1:76:A:LYS:HE3	3	0.71	0.78	0.19
(2,138)	1:77:A:ALA:H	1:76:A:LYS:HE2	3	0.71	0.78	0.19
(1,2643)	1:77:B:ALA:H	1:76:B:LYS:HE3	3	0.71	0.78	0.18
(1,2643)	1:77:B:ALA:H	1:76:B:LYS:HE2	3	0.71	0.78	0.18
(1,3449)	1:62:A:THR:HB	1:24:A:SER:H	3	0.61	0.7	0.11
(1,3324)	1:76:B:LYS:H	1:76:B:LYS:HG3	3	0.6	0.57	0.22
(1,3325)	1:76:A:LYS:H	1:76:A:LYS:HG3	3	0.6	0.57	0.22
(1,938)	1:87:B:GLU:HA	1:90:B:ARG:HD2	3	0.6	0.58	0.26
(1,939)	1:87:A:GLU:HA	1:90:A:ARG:HD2	3	0.59	0.58	0.26
(1,2129)	1:27:B:GLN:HB2	1:22:B:ARG:HB2	3	0.59	0.24	0.44
(1,2572)	1:72:B:ILE:HB	1:71:B:THR:HA	3	0.59	0.44	0.47
(1,2571)	1:72:A:ILE:HB	1:71:A:THR:HA	3	0.58	0.44	0.46
(1,66)	1:77:A:ALA:HB1	1:72:A:ILE:HG13	3	0.56	0.31	0.37
(1,66)	1:77:A:ALA:HB2	1:72:A:ILE:HG13	3	0.56	0.31	0.37
(1,66)	1:77:A:ALA:HB3	1:72:A:ILE:HG13	3	0.56	0.31	0.37
(1,66)	1:77:A:ALA:HB1	1:72:A:ILE:HG12	3	0.56	0.31	0.37
(1,66)	1:77:A:ALA:HB2	1:72:A:ILE:HG12	3	0.56	0.31	0.37
(1,66)	1:77:A:ALA:HB3	1:72:A:ILE:HG12	3	0.56	0.31	0.37
(1,67)	1:77:B:ALA:HB1	1:72:B:ILE:HG13	3	0.56	0.31	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,67)	1:77:B:ALA:HB2	1:72:B:ILE:HG13	3	0.56	0.31	0.36
(1,67)	1:77:B:ALA:HB3	1:72:B:ILE:HG13	3	0.56	0.31	0.36
(1,67)	1:77:B:ALA:HB1	1:72:B:ILE:HG12	3	0.56	0.31	0.36
(1,67)	1:77:B:ALA:HB2	1:72:B:ILE:HG12	3	0.56	0.31	0.36
(1,67)	1:77:B:ALA:HB3	1:72:B:ILE:HG12	3	0.56	0.31	0.36
(1,3079)	1:22:A:ARG:HB2	1:24:A:SER:HA	3	0.55	0.22	0.59
(1,610)	1:61:A:PRO:HB2	1:66:A:LEU:HD21	3	0.54	0.33	0.55
(1,610)	1:61:A:PRO:HB2	1:66:A:LEU:HD22	3	0.54	0.33	0.55
(1,610)	1:61:A:PRO:HB2	1:66:A:LEU:HD23	3	0.54	0.33	0.55
(1,611)	1:61:B:PRO:HB2	1:66:B:LEU:HD21	3	0.53	0.34	0.54
(1,611)	1:61:B:PRO:HB2	1:66:B:LEU:HD22	3	0.53	0.34	0.54
(1,611)	1:61:B:PRO:HB2	1:66:B:LEU:HD23	3	0.53	0.34	0.54
(2,172)	1:61:B:PRO:HB2	1:66:B:LEU:HD21	3	0.53	0.34	0.54
(2,172)	1:61:B:PRO:HB2	1:66:B:LEU:HD22	3	0.53	0.34	0.54
(2,172)	1:61:B:PRO:HB2	1:66:B:LEU:HD23	3	0.53	0.34	0.54
(1,962)	1:79:B:ASN:HA	1:79:B:ASN:HB3	3	0.52	0.0	0.52
(1,1182)	1:61:B:PRO:HA	1:65:B:ILE:HG21	3	0.52	0.27	0.42
(1,1182)	1:61:B:PRO:HA	1:65:B:ILE:HG22	3	0.52	0.27	0.42
(1,1182)	1:61:B:PRO:HA	1:65:B:ILE:HG23	3	0.52	0.27	0.42
(1,1183)	1:61:A:PRO:HA	1:65:A:ILE:HG21	3	0.51	0.27	0.42
(1,1183)	1:61:A:PRO:HA	1:65:A:ILE:HG22	3	0.51	0.27	0.42
(1,1183)	1:61:A:PRO:HA	1:65:A:ILE:HG23	3	0.51	0.27	0.42
(1,734)	1:38:A:LEU:HA	1:39:A:GLN:H	3	0.5	0.19	0.59
(1,735)	1:38:B:LEU:HA	1:39:B:GLN:H	3	0.5	0.19	0.59
(2,299)	1:48:B:MET:HG2	1:81:B:LEU:HG	3	0.49	0.17	0.58
(2,299)	1:48:B:MET:HG3	1:81:B:LEU:HG	3	0.49	0.17	0.58
(1,79)	1:88:A:ILE:HG12	1:52:B:ALA:HB1	3	0.46	0.22	0.55
(1,79)	1:88:A:ILE:HG12	1:52:B:ALA:HB2	3	0.46	0.22	0.55
(1,79)	1:88:A:ILE:HG12	1:52:B:ALA:HB3	3	0.46	0.22	0.55
(1,80)	1:88:B:ILE:HG12	1:52:A:ALA:HB1	3	0.45	0.22	0.53
(1,80)	1:88:B:ILE:HG12	1:52:A:ALA:HB2	3	0.45	0.22	0.53
(1,80)	1:88:B:ILE:HG12	1:52:A:ALA:HB3	3	0.45	0.22	0.53
(1,2510)	1:99:B:ARG:HA	1:99:B:ARG:HB2	3	0.44	0.02	0.45
(1,2511)	1:99:A:ARG:HA	1:99:A:ARG:HB2	3	0.44	0.02	0.45
(1,1626)	1:78:A:ILE:HG21	1:82:A:ARG:HD2	3	0.43	0.19	0.41
(1,1626)	1:78:A:ILE:HG22	1:82:A:ARG:HD2	3	0.43	0.19	0.41
(1,1626)	1:78:A:ILE:HG23	1:82:A:ARG:HD2	3	0.43	0.19	0.41
(1,1625)	1:78:B:ILE:HG21	1:82:B:ARG:HD2	3	0.42	0.19	0.4
(1,1625)	1:78:B:ILE:HG22	1:82:B:ARG:HD2	3	0.42	0.19	0.4
(1,1625)	1:78:B:ILE:HG23	1:82:B:ARG:HD2	3	0.42	0.19	0.4
(1,2869)	1:79:B:ASN:HB2	1:76:B:LYS:HA	3	0.42	0.21	0.46
(1,1584)	1:48:B:MET:H	1:44:B:LEU:HD11	3	0.41	0.19	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1584)	1:48:B:MET:H	1:44:B:LEU:HD12	3	0.41	0.19	0.48
(1,1584)	1:48:B:MET:H	1:44:B:LEU:HD13	3	0.41	0.19	0.48
(1,1585)	1:48:A:MET:H	1:44:A:LEU:HD11	3	0.41	0.19	0.48
(1,1585)	1:48:A:MET:H	1:44:A:LEU:HD12	3	0.41	0.19	0.48
(1,1585)	1:48:A:MET:H	1:44:A:LEU:HD13	3	0.41	0.19	0.48
(1,1709)	1:72:B:ILE:HD11	1:44:B:LEU:HD21	3	0.4	0.13	0.48
(1,1709)	1:72:B:ILE:HD11	1:44:B:LEU:HD22	3	0.4	0.13	0.48
(1,1709)	1:72:B:ILE:HD11	1:44:B:LEU:HD23	3	0.4	0.13	0.48
(1,1709)	1:72:B:ILE:HD12	1:44:B:LEU:HD21	3	0.4	0.13	0.48
(1,1709)	1:72:B:ILE:HD12	1:44:B:LEU:HD22	3	0.4	0.13	0.48
(1,1709)	1:72:B:ILE:HD12	1:44:B:LEU:HD23	3	0.4	0.13	0.48
(1,1709)	1:72:B:ILE:HD13	1:44:B:LEU:HD21	3	0.4	0.13	0.48
(1,1709)	1:72:B:ILE:HD13	1:44:B:LEU:HD22	3	0.4	0.13	0.48
(1,1709)	1:72:B:ILE:HD13	1:44:B:LEU:HD23	3	0.4	0.13	0.48
(1,1708)	1:72:A:ILE:HD11	1:44:A:LEU:HD21	3	0.39	0.14	0.48
(1,1708)	1:72:A:ILE:HD11	1:44:A:LEU:HD22	3	0.39	0.14	0.48
(1,1708)	1:72:A:ILE:HD11	1:44:A:LEU:HD23	3	0.39	0.14	0.48
(1,1708)	1:72:A:ILE:HD12	1:44:A:LEU:HD21	3	0.39	0.14	0.48
(1,1708)	1:72:A:ILE:HD12	1:44:A:LEU:HD22	3	0.39	0.14	0.48
(1,1708)	1:72:A:ILE:HD12	1:44:A:LEU:HD23	3	0.39	0.14	0.48
(1,1708)	1:72:A:ILE:HD13	1:44:A:LEU:HD21	3	0.39	0.14	0.48
(1,1708)	1:72:A:ILE:HD13	1:44:A:LEU:HD22	3	0.39	0.14	0.48
(1,1708)	1:72:A:ILE:HD13	1:44:A:LEU:HD23	3	0.39	0.14	0.48
(1,318)	1:49:B:ALA:HB1	1:84:B:PHE:HD1	3	0.38	0.09	0.32
(1,318)	1:49:B:ALA:HB1	1:84:B:PHE:HD2	3	0.38	0.09	0.32
(1,318)	1:49:B:ALA:HB2	1:84:B:PHE:HD1	3	0.38	0.09	0.32
(1,318)	1:49:B:ALA:HB2	1:84:B:PHE:HD2	3	0.38	0.09	0.32
(1,318)	1:49:B:ALA:HB3	1:84:B:PHE:HD1	3	0.38	0.09	0.32
(1,318)	1:49:B:ALA:HB3	1:84:B:PHE:HD2	3	0.38	0.09	0.32
(1,728)	1:72:A:ILE:HG12	1:73:A:LYS:H	3	0.38	0.34	0.16
(1,319)	1:49:A:ALA:HB1	1:84:A:PHE:HD1	3	0.38	0.09	0.32
(1,319)	1:49:A:ALA:HB1	1:84:A:PHE:HD2	3	0.38	0.09	0.32
(1,319)	1:49:A:ALA:HB2	1:84:A:PHE:HD1	3	0.38	0.09	0.32
(1,319)	1:49:A:ALA:HB2	1:84:A:PHE:HD2	3	0.38	0.09	0.32
(1,319)	1:49:A:ALA:HB3	1:84:A:PHE:HD1	3	0.38	0.09	0.32
(1,319)	1:49:A:ALA:HB3	1:84:A:PHE:HD2	3	0.38	0.09	0.32
(1,729)	1:72:B:ILE:HG12	1:73:B:LYS:H	3	0.38	0.33	0.16
(1,2587)	1:88:B:ILE:HG21	1:85:B:ARG:HD2	3	0.38	0.19	0.47
(1,2587)	1:88:B:ILE:HG22	1:85:B:ARG:HD2	3	0.38	0.19	0.47
(1,2587)	1:88:B:ILE:HG23	1:85:B:ARG:HD2	3	0.38	0.19	0.47
(1,2588)	1:88:A:ILE:HG21	1:85:A:ARG:HD2	3	0.38	0.19	0.47
(1,2588)	1:88:A:ILE:HG22	1:85:A:ARG:HD2	3	0.38	0.19	0.47

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2588)	1:88:A:ILE:HG23	1:85:A:ARG:HD2	3	0.38	0.19	0.47
(1,2629)	1:87:A:GLU:HG3	1:86:A:LYS:HB2	3	0.34	0.03	0.33
(1,3234)	1:22:B:ARG:HB3	1:23:B:VAL:HG11	3	0.34	0.23	0.23
(1,3234)	1:22:B:ARG:HB3	1:23:B:VAL:HG12	3	0.34	0.23	0.23
(1,3234)	1:22:B:ARG:HB3	1:23:B:VAL:HG13	3	0.34	0.23	0.23
(1,3372)	1:77:B:ALA:HB1	1:72:B:ILE:HD11	3	0.34	0.08	0.37
(1,3372)	1:77:B:ALA:HB1	1:72:B:ILE:HD12	3	0.34	0.08	0.37
(1,3372)	1:77:B:ALA:HB1	1:72:B:ILE:HD13	3	0.34	0.08	0.37
(1,3372)	1:77:B:ALA:HB2	1:72:B:ILE:HD11	3	0.34	0.08	0.37
(1,3372)	1:77:B:ALA:HB2	1:72:B:ILE:HD12	3	0.34	0.08	0.37
(1,3372)	1:77:B:ALA:HB2	1:72:B:ILE:HD13	3	0.34	0.08	0.37
(1,3372)	1:77:B:ALA:HB3	1:72:B:ILE:HD11	3	0.34	0.08	0.37
(1,3372)	1:77:B:ALA:HB3	1:72:B:ILE:HD12	3	0.34	0.08	0.37
(1,3372)	1:77:B:ALA:HB3	1:72:B:ILE:HD13	3	0.34	0.08	0.37
(1,3373)	1:77:A:ALA:HB1	1:72:A:ILE:HD11	3	0.34	0.08	0.37
(1,3373)	1:77:A:ALA:HB1	1:72:A:ILE:HD12	3	0.34	0.08	0.37
(1,3373)	1:77:A:ALA:HB1	1:72:A:ILE:HD13	3	0.34	0.08	0.37
(1,3373)	1:77:A:ALA:HB2	1:72:A:ILE:HD11	3	0.34	0.08	0.37
(1,3373)	1:77:A:ALA:HB2	1:72:A:ILE:HD12	3	0.34	0.08	0.37
(1,3373)	1:77:A:ALA:HB2	1:72:A:ILE:HD13	3	0.34	0.08	0.37
(1,3373)	1:77:A:ALA:HB3	1:72:A:ILE:HD11	3	0.34	0.08	0.37
(1,3373)	1:77:A:ALA:HB3	1:72:A:ILE:HD12	3	0.34	0.08	0.37
(1,3373)	1:77:A:ALA:HB3	1:72:A:ILE:HD13	3	0.34	0.08	0.37
(1,2508)	1:99:B:ARG:HA	1:99:B:ARG:HD3	3	0.3	0.02	0.32
(1,2508)	1:99:B:ARG:HA	1:99:B:ARG:HD2	3	0.3	0.02	0.32
(1,3414)	1:69:B:TRP:HE1	1:66:B:LEU:HA	3	0.3	0.11	0.3
(1,2509)	1:99:A:ARG:HA	1:99:A:ARG:HD2	3	0.3	0.02	0.31
(1,2509)	1:99:A:ARG:HA	1:99:A:ARG:HD3	3	0.3	0.02	0.31
(1,3441)	1:82:A:ARG:HA	1:79:A:ASN:HA	3	0.28	0.09	0.22
(1,3442)	1:82:B:ARG:HA	1:79:B:ASN:HA	3	0.28	0.09	0.22
(1,1134)	1:49:B:ALA:HA	1:84:B:PHE:HD1	3	0.27	0.12	0.3
(1,1134)	1:49:B:ALA:HA	1:84:B:PHE:HD2	3	0.27	0.12	0.3
(1,1135)	1:49:A:ALA:HA	1:84:A:PHE:HD1	3	0.27	0.12	0.3
(1,1135)	1:49:A:ALA:HA	1:84:A:PHE:HD2	3	0.27	0.12	0.3
(1,807)	1:90:A:ARG:HA	1:90:A:ARG:HD3	3	0.26	0.01	0.26
(1,609)	1:87:B:GLU:HA	1:87:B:GLU:HG3	3	0.26	0.02	0.25
(1,808)	1:90:B:ARG:HA	1:90:B:ARG:HD3	3	0.26	0.01	0.26
(1,897)	1:65:B:ILE:HD11	1:26:B:VAL:HA	3	0.24	0.04	0.26
(1,897)	1:65:B:ILE:HD12	1:26:B:VAL:HA	3	0.24	0.04	0.26
(1,897)	1:65:B:ILE:HD13	1:26:B:VAL:HA	3	0.24	0.04	0.26
(1,898)	1:65:A:ILE:HD11	1:26:A:VAL:HA	3	0.24	0.04	0.26
(1,898)	1:65:A:ILE:HD12	1:26:A:VAL:HA	3	0.24	0.04	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,898)	1:65:A:ILE:HD13	1:26:A:VAL:HA	3	0.24	0.04	0.26
(1,2757)	1:88:A:ILE:HD11	1:85:B:ARG:HA	3	0.24	0.06	0.24
(1,2757)	1:88:A:ILE:HD12	1:85:B:ARG:HA	3	0.24	0.06	0.24
(1,2757)	1:88:A:ILE:HD13	1:85:B:ARG:HA	3	0.24	0.06	0.24
(1,2758)	1:88:B:ILE:HD11	1:85:A:ARG:HA	3	0.24	0.07	0.23
(1,2758)	1:88:B:ILE:HD12	1:85:A:ARG:HA	3	0.24	0.07	0.23
(1,2758)	1:88:B:ILE:HD13	1:85:A:ARG:HA	3	0.24	0.07	0.23
(1,1208)	1:80:B:VAL:HG21	1:79:B:ASN:HB2	3	0.23	0.08	0.26
(1,1208)	1:80:B:VAL:HG22	1:79:B:ASN:HB2	3	0.23	0.08	0.26
(1,1208)	1:80:B:VAL:HG23	1:79:B:ASN:HB2	3	0.23	0.08	0.26
(2,20)	1:90:B:ARG:H	1:90:B:ARG:HD2	3	0.22	0.07	0.26
(2,20)	1:90:B:ARG:H	1:90:B:ARG:HD3	3	0.22	0.07	0.26
(2,97)	1:90:A:ARG:H	1:90:A:ARG:HD2	3	0.22	0.07	0.26
(2,97)	1:90:A:ARG:H	1:90:A:ARG:HD3	3	0.22	0.07	0.26
(1,291)	1:25:B:THR:HG21	1:26:B:VAL:H	3	0.22	0.07	0.26
(1,291)	1:25:B:THR:HG22	1:26:B:VAL:H	3	0.22	0.07	0.26
(1,291)	1:25:B:THR:HG23	1:26:B:VAL:H	3	0.22	0.07	0.26
(1,290)	1:25:A:THR:HG21	1:26:A:VAL:H	3	0.22	0.07	0.25
(1,290)	1:25:A:THR:HG22	1:26:A:VAL:H	3	0.22	0.07	0.25
(1,290)	1:25:A:THR:HG23	1:26:A:VAL:H	3	0.22	0.07	0.25
(2,334)	1:24:B:SER:HB3	1:24:B:SER:H	3	0.2	0.01	0.2
(1,2288)	1:24:A:SER:HB3	1:24:A:SER:H	3	0.2	0.02	0.2
(1,1309)	1:95:B:LEU:HD21	1:69:A:TRP:HH2	3	0.18	0.03	0.2
(1,1309)	1:95:B:LEU:HD22	1:69:A:TRP:HH2	3	0.18	0.03	0.2
(1,1309)	1:95:B:LEU:HD23	1:69:A:TRP:HH2	3	0.18	0.03	0.2
(1,1919)	1:57:B:LEU:H	1:58:B:THR:H	3	0.17	0.05	0.16
(1,1816)	1:74:A:LYS:HA	1:77:A:ALA:H	3	0.17	0.04	0.19
(1,1815)	1:74:B:LYS:HA	1:77:B:ALA:H	3	0.17	0.03	0.18
(1,1920)	1:57:A:LEU:H	1:58:A:THR:H	3	0.17	0.06	0.14
(1,2327)	1:64:A:GLY:HA3	1:67:A:LYS:H	3	0.17	0.02	0.17
(1,2326)	1:64:B:GLY:HA3	1:67:B:LYS:H	3	0.16	0.02	0.17
(1,2892)	1:87:B:GLU:HG2	1:87:B:GLU:H	3	0.16	0.07	0.12
(1,1310)	1:95:A:LEU:HD21	1:69:B:TRP:HH2	3	0.16	0.04	0.18
(1,1310)	1:95:A:LEU:HD22	1:69:B:TRP:HH2	3	0.16	0.04	0.18
(1,1310)	1:95:A:LEU:HD23	1:69:B:TRP:HH2	3	0.16	0.04	0.18
(1,2064)	1:68:A:ARG:H	1:67:A:LYS:HB2	3	0.16	0.04	0.16
(2,61)	1:68:B:ARG:H	1:67:B:LYS:HB2	3	0.16	0.04	0.16
(1,1210)	1:92:A:LEU:HG	1:91:A:MET:HB2	3	0.16	0.04	0.15
(1,2893)	1:87:A:GLU:HG2	1:87:A:GLU:H	3	0.16	0.07	0.11
(2,64)	1:92:B:LEU:HG	1:91:B:MET:HB2	3	0.16	0.04	0.15
(1,2438)	1:86:A:LYS:HA	1:86:A:LYS:HG3	3	0.15	0.03	0.17
(1,2439)	1:86:B:LYS:HA	1:86:B:LYS:HG3	3	0.15	0.03	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,774)	1:88:B:ILE:HG21	1:89:B:GLY:HA2	3	0.15	0.01	0.15
(1,774)	1:88:B:ILE:HG22	1:89:B:GLY:HA2	3	0.15	0.01	0.15
(1,774)	1:88:B:ILE:HG23	1:89:B:GLY:HA2	3	0.15	0.01	0.15
(1,775)	1:88:A:ILE:HG21	1:89:A:GLY:HA2	3	0.15	0.01	0.15
(1,775)	1:88:A:ILE:HG22	1:89:A:GLY:HA2	3	0.15	0.01	0.15
(1,775)	1:88:A:ILE:HG23	1:89:A:GLY:HA2	3	0.15	0.01	0.15
(1,1130)	1:50:A:LEU:HD11	1:50:A:LEU:HA	3	0.14	0.04	0.12
(1,1130)	1:50:A:LEU:HD12	1:50:A:LEU:HA	3	0.14	0.04	0.12
(1,1130)	1:50:A:LEU:HD13	1:50:A:LEU:HA	3	0.14	0.04	0.12
(1,1131)	1:50:B:LEU:HD11	1:50:B:LEU:HA	3	0.14	0.04	0.12
(1,1131)	1:50:B:LEU:HD12	1:50:B:LEU:HA	3	0.14	0.04	0.12
(1,1131)	1:50:B:LEU:HD13	1:50:B:LEU:HA	3	0.14	0.04	0.12
(1,3411)	1:45:B:LYS:HB2	1:47:B:PHE:H	3	0.14	0.02	0.15
(1,3412)	1:45:A:LYS:HB2	1:47:A:PHE:H	3	0.14	0.02	0.15
(1,2042)	1:72:A:ILE:H	1:72:A:ILE:HG21	3	0.13	0.01	0.14
(1,2042)	1:72:A:ILE:H	1:72:A:ILE:HG22	3	0.13	0.01	0.14
(1,2042)	1:72:A:ILE:H	1:72:A:ILE:HG23	3	0.13	0.01	0.14
(1,2043)	1:72:B:ILE:H	1:72:B:ILE:HG21	3	0.13	0.01	0.14
(1,2043)	1:72:B:ILE:H	1:72:B:ILE:HG22	3	0.13	0.01	0.14
(1,2043)	1:72:B:ILE:H	1:72:B:ILE:HG23	3	0.13	0.01	0.14
(1,1600)	1:96:B:ASN:HA	1:96:B:ASN:HD21	3	0.11	0.01	0.11
(1,1601)	1:96:A:ASN:HA	1:96:A:ASN:HD21	3	0.11	0.01	0.11
(1,1106)	1:96:A:ASN:HA	1:97:A:ARG:H	3	0.11	0.01	0.11
(1,1934)	1:56:A:PHE:HD1	1:84:B:PHE:HD1	3	0.11	0.01	0.11
(1,1934)	1:56:A:PHE:HD1	1:84:B:PHE:HD2	3	0.11	0.01	0.11
(1,1934)	1:56:A:PHE:HD2	1:84:B:PHE:HD1	3	0.11	0.01	0.11
(1,1934)	1:56:A:PHE:HD2	1:84:B:PHE:HD2	3	0.11	0.01	0.11
(1,786)	1:75:A:SER:H	1:74:A:LYS:HB2	3	0.11	0.0	0.11
(1,1107)	1:96:B:ASN:HA	1:97:B:ARG:H	3	0.11	0.01	0.1
(1,942)	1:94:B:ILE:H	1:94:B:ILE:HA	3	0.1	0.0	0.1
(1,1544)	1:51:B:VAL:HG11	1:51:B:VAL:HA	3	0.1	0.0	0.1
(1,1544)	1:51:B:VAL:HG12	1:51:B:VAL:HA	3	0.1	0.0	0.1
(1,1544)	1:51:B:VAL:HG13	1:51:B:VAL:HA	3	0.1	0.0	0.1
(1,2655)	1:28:B:GLN:HB2	1:31:B:LYS:HE2	2	2.92	2.42	2.92
(1,2655)	1:28:B:GLN:HB3	1:31:B:LYS:HE3	2	2.92	2.42	2.92
(2,122)	1:28:A:GLN:HB2	1:31:A:LYS:HE2	2	2.92	2.42	2.92
(2,122)	1:28:A:GLN:HB3	1:31:A:LYS:HE3	2	2.92	2.42	2.92
(2,34)	1:71:B:THR:HG21	1:76:B:LYS:HE3	2	2.66	2.52	2.66
(2,34)	1:71:B:THR:HG22	1:76:B:LYS:HE3	2	2.66	2.52	2.66
(2,34)	1:71:B:THR:HG23	1:76:B:LYS:HE3	2	2.66	2.52	2.66
(1,2650)	1:71:A:THR:HG21	1:76:A:LYS:HE3	2	2.66	2.52	2.66
(1,2650)	1:71:A:THR:HG22	1:76:A:LYS:HE3	2	2.66	2.52	2.66

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2650)	1:71:A:THR:HG23	1:76:A:LYS:HE3	2	2.66	2.52	2.66
(1,1933)	1:24:B:SER:HB3	1:60:B:PRO:HG2	2	2.32	2.12	2.32
(2,85)	1:24:A:SER:HB3	1:60:A:PRO:HG2	2	2.31	2.12	2.31
(2,166)	1:27:A:GLN:HG2	1:31:A:LYS:HE2	2	2.17	0.96	2.17
(1,3480)	1:27:B:GLN:HG2	1:31:B:LYS:HE2	2	2.16	0.96	2.16
(2,42)	1:44:B:LEU:HB2	1:76:B:LYS:HE3	2	1.95	1.2	1.95
(2,42)	1:44:B:LEU:HB3	1:76:B:LYS:HE3	2	1.95	1.2	1.95
(2,202)	1:44:A:LEU:HB2	1:76:A:LYS:HE3	2	1.95	1.2	1.95
(2,202)	1:44:A:LEU:HB3	1:76:A:LYS:HE3	2	1.95	1.2	1.95
(1,1870)	1:22:B:ARG:HG3	1:21:B:ASN:HA	2	1.6	0.59	1.6
(1,826)	1:22:B:ARG:HG2	1:27:B:GLN:HA	2	1.45	0.93	1.45
(2,343)	1:44:A:LEU:HG	1:76:A:LYS:HE2	2	1.42	1.2	1.42
(2,343)	1:44:A:LEU:HG	1:76:A:LYS:HE3	2	1.42	1.2	1.42
(2,109)	1:44:B:LEU:HG	1:76:B:LYS:HE2	2	1.42	1.21	1.42
(2,109)	1:44:B:LEU:HG	1:76:B:LYS:HE3	2	1.42	1.21	1.42
(1,3156)	1:29:A:LEU:HG	1:28:A:GLN:HB2	2	1.42	0.14	1.42
(1,3157)	1:29:B:LEU:HG	1:28:B:GLN:HB2	2	1.42	0.14	1.42
(1,3120)	1:57:B:LEU:HD11	1:46:A:LEU:HD11	2	1.31	0.16	1.31
(1,3120)	1:57:B:LEU:HD11	1:46:A:LEU:HD12	2	1.31	0.16	1.31
(1,3120)	1:57:B:LEU:HD11	1:46:A:LEU:HD13	2	1.31	0.16	1.31
(1,3120)	1:57:B:LEU:HD12	1:46:A:LEU:HD11	2	1.31	0.16	1.31
(1,3120)	1:57:B:LEU:HD12	1:46:A:LEU:HD12	2	1.31	0.16	1.31
(1,3120)	1:57:B:LEU:HD12	1:46:A:LEU:HD13	2	1.31	0.16	1.31
(1,3120)	1:57:B:LEU:HD13	1:46:A:LEU:HD11	2	1.31	0.16	1.31
(1,3120)	1:57:B:LEU:HD13	1:46:A:LEU:HD12	2	1.31	0.16	1.31
(1,3120)	1:57:B:LEU:HD13	1:46:A:LEU:HD13	2	1.31	0.16	1.31
(2,175)	1:21:B:ASN:HB2	1:27:B:GLN:HG2	2	1.3	0.86	1.3
(2,175)	1:21:B:ASN:HB3	1:27:B:GLN:HG3	2	1.3	0.86	1.3
(2,357)	1:21:A:ASN:HB2	1:27:A:GLN:HG2	2	1.29	0.86	1.29
(2,357)	1:21:A:ASN:HB3	1:27:A:GLN:HG3	2	1.29	0.86	1.29
(1,2946)	1:84:A:PHE:HD1	1:81:A:LEU:HD21	2	1.19	0.45	1.19
(1,2946)	1:84:A:PHE:HD1	1:81:A:LEU:HD22	2	1.19	0.45	1.19
(1,2946)	1:84:A:PHE:HD1	1:81:A:LEU:HD23	2	1.19	0.45	1.19
(1,2946)	1:84:A:PHE:HD2	1:81:A:LEU:HD21	2	1.19	0.45	1.19
(1,2946)	1:84:A:PHE:HD2	1:81:A:LEU:HD22	2	1.19	0.45	1.19
(1,2946)	1:84:A:PHE:HD2	1:81:A:LEU:HD23	2	1.19	0.45	1.19
(1,2947)	1:84:B:PHE:HD1	1:81:B:LEU:HD21	2	1.19	0.45	1.19
(1,2947)	1:84:B:PHE:HD1	1:81:B:LEU:HD22	2	1.19	0.45	1.19
(1,2947)	1:84:B:PHE:HD1	1:81:B:LEU:HD23	2	1.19	0.45	1.19
(1,2947)	1:84:B:PHE:HD2	1:81:B:LEU:HD21	2	1.19	0.45	1.19
(1,2947)	1:84:B:PHE:HD2	1:81:B:LEU:HD22	2	1.19	0.45	1.19
(1,2947)	1:84:B:PHE:HD2	1:81:B:LEU:HD23	2	1.19	0.45	1.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,869)	1:63:B:ALA:HA	1:66:B:LEU:HD11	2	1.18	0.04	1.18
(1,869)	1:63:B:ALA:HA	1:66:B:LEU:HD12	2	1.18	0.04	1.18
(1,869)	1:63:B:ALA:HA	1:66:B:LEU:HD13	2	1.18	0.04	1.18
(1,1497)	1:94:B:ILE:HA	1:99:B:ARG:HD3	2	1.16	0.23	1.16
(1,1498)	1:94:A:ILE:HA	1:99:A:ARG:HD3	2	1.16	0.23	1.16
(1,660)	1:75:A:SER:H	1:78:A:ILE:HG12	2	1.16	0.49	1.16
(1,661)	1:75:B:SER:H	1:78:B:ILE:HG12	2	1.16	0.49	1.16
(1,2188)	1:22:B:ARG:H	1:23:B:VAL:H	2	1.13	0.08	1.13
(1,2187)	1:22:A:ARG:H	1:23:A:VAL:H	2	1.12	0.08	1.12
(2,224)	1:21:A:ASN:HB2	1:27:A:GLN:HG2	2	1.1	0.86	1.1
(2,224)	1:21:A:ASN:HB3	1:27:A:GLN:HG3	2	1.1	0.86	1.1
(2,309)	1:21:B:ASN:HB2	1:27:B:GLN:HG2	2	1.1	0.86	1.1
(2,309)	1:21:B:ASN:HB3	1:27:B:GLN:HG3	2	1.1	0.86	1.1
(1,2672)	1:61:A:PRO:HG3	1:66:A:LEU:HG	2	0.96	0.28	0.96
(1,2609)	1:41:B:ARG:HG2	1:47:B:PHE:H	2	0.96	0.37	0.96
(1,2609)	1:41:B:ARG:HG3	1:47:B:PHE:H	2	0.96	0.37	0.96
(1,2673)	1:61:B:PRO:HG3	1:66:B:LEU:HG	2	0.96	0.27	0.96
(2,47)	1:41:A:ARG:HG2	1:47:A:PHE:H	2	0.96	0.37	0.96
(2,47)	1:41:A:ARG:HG3	1:47:A:PHE:H	2	0.96	0.37	0.96
(1,352)	1:75:A:SER:H	1:76:A:LYS:H	2	0.95	0.83	0.95
(1,353)	1:75:B:SER:H	1:76:B:LYS:H	2	0.95	0.82	0.95
(1,2358)	1:28:A:GLN:HA	1:28:A:GLN:HG2	2	0.95	0.03	0.95
(1,2358)	1:28:A:GLN:HA	1:28:A:GLN:HG3	2	0.95	0.03	0.95
(1,2359)	1:28:B:GLN:HA	1:28:B:GLN:HG2	2	0.94	0.03	0.94
(1,2359)	1:28:B:GLN:HA	1:28:B:GLN:HG3	2	0.94	0.03	0.94
(1,2804)	1:26:A:VAL:HG11	1:22:A:ARG:HG2	2	0.92	0.56	0.92
(1,2804)	1:26:A:VAL:HG12	1:22:A:ARG:HG2	2	0.92	0.56	0.92
(1,2804)	1:26:A:VAL:HG13	1:22:A:ARG:HG2	2	0.92	0.56	0.92
(1,3346)	1:69:A:TRP:HA	1:72:A:ILE:HG13	2	0.92	0.01	0.92
(1,3346)	1:69:A:TRP:HA	1:72:A:ILE:HG12	2	0.92	0.01	0.92
(1,3347)	1:69:B:TRP:HA	1:72:B:ILE:HG13	2	0.92	0.01	0.92
(1,3347)	1:69:B:TRP:HA	1:72:B:ILE:HG12	2	0.92	0.01	0.92
(1,2107)	1:61:A:PRO:HA	1:54:A:LEU:HD11	2	0.91	0.77	0.91
(1,2107)	1:61:A:PRO:HA	1:54:A:LEU:HD12	2	0.91	0.77	0.91
(1,2107)	1:61:A:PRO:HA	1:54:A:LEU:HD13	2	0.91	0.77	0.91
(1,2108)	1:61:B:PRO:HA	1:54:B:LEU:HD11	2	0.91	0.77	0.91
(1,2108)	1:61:B:PRO:HA	1:54:B:LEU:HD12	2	0.91	0.77	0.91
(1,2108)	1:61:B:PRO:HA	1:54:B:LEU:HD13	2	0.91	0.77	0.91
(2,349)	1:31:B:LYS:HG3	1:27:B:GLN:HG2	2	0.88	0.78	0.88
(2,349)	1:31:B:LYS:HG2	1:27:B:GLN:HG2	2	0.88	0.78	0.88
(1,3448)	1:62:B:THR:HB	1:24:B:SER:H	2	0.85	0.74	0.85
(1,3461)	1:99:B:ARG:H	1:100:B:ARG:HB2	2	0.82	0.38	0.82

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2195)	1:72:B:ILE:HG12	1:47:B:PHE:HD1	2	0.8	0.44	0.8
(1,2195)	1:72:B:ILE:HG12	1:47:B:PHE:HD2	2	0.8	0.44	0.8
(1,2196)	1:72:A:ILE:HG12	1:47:A:PHE:HD1	2	0.8	0.44	0.8
(1,2196)	1:72:A:ILE:HG12	1:47:A:PHE:HD2	2	0.8	0.44	0.8
(2,312)	1:21:B:ASN:HB2	1:23:B:VAL:H	2	0.8	0.18	0.8
(1,1219)	1:21:A:ASN:HB2	1:23:A:VAL:H	2	0.79	0.17	0.79
(1,2408)	1:25:A:THR:H	1:24:A:SER:HA	2	0.76	0.02	0.76
(1,2409)	1:25:B:THR:H	1:24:B:SER:HA	2	0.76	0.02	0.76
(2,347)	1:24:A:SER:HB3	1:27:A:GLN:HB3	2	0.76	0.6	0.76
(2,347)	1:24:A:SER:HB2	1:27:A:GLN:HB3	2	0.76	0.6	0.76
(2,363)	1:24:B:SER:HB3	1:27:B:GLN:HB3	2	0.76	0.6	0.76
(2,363)	1:24:B:SER:HB2	1:27:B:GLN:HB3	2	0.76	0.6	0.76
(1,3084)	1:77:B:ALA:H	1:76:B:LYS:HG2	2	0.76	0.17	0.76
(1,3085)	1:77:A:ALA:H	1:76:A:LYS:HG2	2	0.76	0.17	0.76
(1,1885)	1:63:A:ALA:H	1:24:A:SER:H	2	0.7	0.6	0.7
(1,3281)	1:66:B:LEU:HD21	1:66:B:LEU:HA	2	0.65	0.11	0.65
(1,3281)	1:66:B:LEU:HD22	1:66:B:LEU:HA	2	0.65	0.11	0.65
(1,3281)	1:66:B:LEU:HD23	1:66:B:LEU:HA	2	0.65	0.11	0.65
(1,2880)	1:62:A:THR:HB	1:22:A:ARG:HB3	2	0.62	0.36	0.62
(1,2880)	1:62:A:THR:HB	1:22:A:ARG:HB2	2	0.62	0.36	0.62
(1,2247)	1:74:B:LYS:HA	1:73:B:LYS:HA	2	0.61	0.04	0.61
(1,2248)	1:74:A:LYS:HA	1:73:A:LYS:HA	2	0.61	0.04	0.61
(1,2423)	1:23:B:VAL:HG21	1:63:B:ALA:H	2	0.58	0.37	0.58
(1,2423)	1:23:B:VAL:HG22	1:63:B:ALA:H	2	0.58	0.37	0.58
(1,2423)	1:23:B:VAL:HG23	1:63:B:ALA:H	2	0.58	0.37	0.58
(1,282)	1:100:A:ARG:H	1:99:A:ARG:H	2	0.57	0.05	0.57
(1,283)	1:100:B:ARG:H	1:99:B:ARG:H	2	0.57	0.04	0.57
(1,1221)	1:45:A:LYS:H	1:43:A:PRO:HA	2	0.56	0.09	0.56
(1,1222)	1:45:B:LYS:H	1:43:B:PRO:HA	2	0.56	0.1	0.56
(1,2461)	1:43:B:PRO:HB2	1:43:B:PRO:HD2	2	0.53	0.02	0.53
(1,2462)	1:43:A:PRO:HB2	1:43:A:PRO:HD2	2	0.53	0.02	0.53
(2,145)	1:27:A:GLN:HB3	1:23:A:VAL:HG11	2	0.53	0.41	0.53
(2,145)	1:27:A:GLN:HB3	1:23:A:VAL:HG12	2	0.53	0.41	0.53
(2,145)	1:27:A:GLN:HB3	1:23:A:VAL:HG13	2	0.53	0.41	0.53
(2,145)	1:27:A:GLN:HB2	1:23:A:VAL:HG11	2	0.53	0.41	0.53
(2,145)	1:27:A:GLN:HB2	1:23:A:VAL:HG12	2	0.53	0.41	0.53
(2,145)	1:27:A:GLN:HB2	1:23:A:VAL:HG13	2	0.53	0.41	0.53
(1,2560)	1:27:B:GLN:HB3	1:23:B:VAL:HG11	2	0.52	0.4	0.52
(1,2560)	1:27:B:GLN:HB3	1:23:B:VAL:HG12	2	0.52	0.4	0.52
(1,2560)	1:27:B:GLN:HB3	1:23:B:VAL:HG13	2	0.52	0.4	0.52
(1,2560)	1:27:B:GLN:HB2	1:23:B:VAL:HG11	2	0.52	0.4	0.52
(1,2560)	1:27:B:GLN:HB2	1:23:B:VAL:HG12	2	0.52	0.4	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2560)	1:27:B:GLN:HB2	1:23:B:VAL:HG13	2	0.52	0.4	0.52
(1,2710)	1:31:B:LYS:H	1:31:B:LYS:HE3	2	0.52	0.32	0.52
(1,2711)	1:31:A:LYS:H	1:31:A:LYS:HE3	2	0.52	0.32	0.52
(1,3192)	1:66:B:LEU:HD11	1:60:B:PRO:HA	2	0.52	0.1	0.52
(1,3192)	1:66:B:LEU:HD12	1:60:B:PRO:HA	2	0.52	0.1	0.52
(1,3192)	1:66:B:LEU:HD13	1:60:B:PRO:HA	2	0.52	0.1	0.52
(1,784)	1:22:B:ARG:HG2	1:23:B:VAL:H	2	0.51	0.27	0.51
(1,780)	1:22:A:ARG:H	1:23:A:VAL:HG11	2	0.49	0.22	0.49
(1,780)	1:22:A:ARG:H	1:23:A:VAL:HG12	2	0.49	0.22	0.49
(1,780)	1:22:A:ARG:H	1:23:A:VAL:HG13	2	0.49	0.22	0.49
(1,781)	1:22:B:ARG:H	1:23:B:VAL:HG11	2	0.48	0.22	0.48
(1,781)	1:22:B:ARG:H	1:23:B:VAL:HG12	2	0.48	0.22	0.48
(1,781)	1:22:B:ARG:H	1:23:B:VAL:HG13	2	0.48	0.22	0.48
(1,1382)	1:99:B:ARG:HA	1:100:B:ARG:HB2	2	0.46	0.34	0.46
(1,2494)	1:23:B:VAL:HG21	1:24:B:SER:H	2	0.46	0.36	0.46
(1,2494)	1:23:B:VAL:HG22	1:24:B:SER:H	2	0.46	0.36	0.46
(1,2494)	1:23:B:VAL:HG23	1:24:B:SER:H	2	0.46	0.36	0.46
(1,1537)	1:51:A:VAL:HG21	1:65:A:ILE:HG21	2	0.45	0.24	0.45
(1,1537)	1:51:A:VAL:HG21	1:65:A:ILE:HG22	2	0.45	0.24	0.45
(1,1537)	1:51:A:VAL:HG21	1:65:A:ILE:HG23	2	0.45	0.24	0.45
(1,1537)	1:51:A:VAL:HG22	1:65:A:ILE:HG21	2	0.45	0.24	0.45
(1,1537)	1:51:A:VAL:HG22	1:65:A:ILE:HG22	2	0.45	0.24	0.45
(1,1537)	1:51:A:VAL:HG22	1:65:A:ILE:HG23	2	0.45	0.24	0.45
(1,1537)	1:51:A:VAL:HG23	1:65:A:ILE:HG21	2	0.45	0.24	0.45
(1,1537)	1:51:A:VAL:HG23	1:65:A:ILE:HG22	2	0.45	0.24	0.45
(1,1537)	1:51:A:VAL:HG23	1:65:A:ILE:HG23	2	0.45	0.24	0.45
(1,1538)	1:51:B:VAL:HG21	1:65:B:ILE:HG21	2	0.45	0.24	0.45
(1,1538)	1:51:B:VAL:HG21	1:65:B:ILE:HG22	2	0.45	0.24	0.45
(1,1538)	1:51:B:VAL:HG21	1:65:B:ILE:HG23	2	0.45	0.24	0.45
(1,1538)	1:51:B:VAL:HG22	1:65:B:ILE:HG21	2	0.45	0.24	0.45
(1,1538)	1:51:B:VAL:HG22	1:65:B:ILE:HG22	2	0.45	0.24	0.45
(1,1538)	1:51:B:VAL:HG22	1:65:B:ILE:HG23	2	0.45	0.24	0.45
(1,1538)	1:51:B:VAL:HG23	1:65:B:ILE:HG21	2	0.45	0.24	0.45
(1,1538)	1:51:B:VAL:HG23	1:65:B:ILE:HG22	2	0.45	0.24	0.45
(1,1538)	1:51:B:VAL:HG23	1:65:B:ILE:HG23	2	0.45	0.24	0.45
(1,768)	1:23:A:VAL:HB	1:22:A:ARG:H	2	0.44	0.05	0.44
(1,769)	1:23:B:VAL:HB	1:22:B:ARG:H	2	0.44	0.05	0.44
(1,2316)	1:72:B:ILE:HD11	1:44:B:LEU:HG	2	0.44	0.26	0.44
(1,2316)	1:72:B:ILE:HD12	1:44:B:LEU:HG	2	0.44	0.26	0.44
(1,2316)	1:72:B:ILE:HD13	1:44:B:LEU:HG	2	0.44	0.26	0.44
(1,2317)	1:72:A:ILE:HD11	1:44:A:LEU:HG	2	0.44	0.26	0.44
(1,2317)	1:72:A:ILE:HD12	1:44:A:LEU:HG	2	0.44	0.26	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2317)	1:72:A:ILE:HD13	1:44:A:LEU:HG	2	0.44	0.26	0.44
(1,111)	1:91:A:MET:HG3	1:69:B:TRP:HZ2	2	0.43	0.16	0.43
(1,1053)	1:100:B:ARG:H	1:98:B:ARG:HG2	2	0.42	0.03	0.42
(2,220)	1:27:A:GLN:HB2	1:22:A:ARG:HB2	2	0.42	0.02	0.42
(1,1104)	1:74:A:LYS:HA	1:75:A:SER:H	2	0.42	0.05	0.42
(1,1105)	1:74:B:LYS:HA	1:75:B:SER:H	2	0.42	0.05	0.42
(1,1052)	1:100:A:ARG:H	1:98:A:ARG:HG2	2	0.42	0.02	0.42
(1,1681)	1:95:B:LEU:HA	1:98:B:ARG:HB2	2	0.39	0.09	0.39
(1,1680)	1:95:A:LEU:HA	1:98:A:ARG:HB2	2	0.38	0.08	0.38
(1,2145)	1:57:B:LEU:HD21	1:46:A:LEU:H	2	0.38	0.28	0.38
(1,2145)	1:57:B:LEU:HD22	1:46:A:LEU:H	2	0.38	0.28	0.38
(1,2145)	1:57:B:LEU:HD23	1:46:A:LEU:H	2	0.38	0.28	0.38
(1,758)	1:22:B:ARG:HG3	1:22:B:ARG:H	2	0.38	0.15	0.38
(1,2093)	1:23:B:VAL:HG21	1:24:B:SER:H	2	0.38	0.28	0.38
(1,2093)	1:23:B:VAL:HG22	1:24:B:SER:H	2	0.38	0.28	0.38
(1,2093)	1:23:B:VAL:HG23	1:24:B:SER:H	2	0.38	0.28	0.38
(1,2180)	1:63:B:ALA:HB1	1:23:B:VAL:HG21	2	0.37	0.16	0.37
(1,2180)	1:63:B:ALA:HB1	1:23:B:VAL:HG22	2	0.37	0.16	0.37
(1,2180)	1:63:B:ALA:HB1	1:23:B:VAL:HG23	2	0.37	0.16	0.37
(1,2180)	1:63:B:ALA:HB2	1:23:B:VAL:HG21	2	0.37	0.16	0.37
(1,2180)	1:63:B:ALA:HB2	1:23:B:VAL:HG22	2	0.37	0.16	0.37
(1,2180)	1:63:B:ALA:HB2	1:23:B:VAL:HG23	2	0.37	0.16	0.37
(1,2180)	1:63:B:ALA:HB3	1:23:B:VAL:HG21	2	0.37	0.16	0.37
(1,2180)	1:63:B:ALA:HB3	1:23:B:VAL:HG22	2	0.37	0.16	0.37
(1,2180)	1:63:B:ALA:HB3	1:23:B:VAL:HG23	2	0.37	0.16	0.37
(1,2506)	1:64:B:GLY:HA2	1:68:B:ARG:HG2	2	0.37	0.21	0.37
(1,2507)	1:64:A:GLY:HA2	1:68:A:ARG:HG2	2	0.36	0.2	0.36
(1,2597)	1:74:B:LYS:HB2	1:75:B:SER:HB2	2	0.35	0.17	0.35
(1,2598)	1:74:A:LYS:HB2	1:75:A:SER:HB2	2	0.35	0.17	0.35
(1,354)	1:75:A:SER:HB2	1:76:A:LYS:H	2	0.34	0.2	0.34
(1,355)	1:75:B:SER:HB2	1:76:B:LYS:H	2	0.34	0.22	0.34
(1,934)	1:51:B:VAL:HG11	1:65:B:ILE:HA	2	0.34	0.22	0.34
(1,934)	1:51:B:VAL:HG12	1:65:B:ILE:HA	2	0.34	0.22	0.34
(1,934)	1:51:B:VAL:HG13	1:65:B:ILE:HA	2	0.34	0.22	0.34
(1,935)	1:51:A:VAL:HG11	1:65:A:ILE:HA	2	0.34	0.22	0.34
(1,935)	1:51:A:VAL:HG12	1:65:A:ILE:HA	2	0.34	0.22	0.34
(1,935)	1:51:A:VAL:HG13	1:65:A:ILE:HA	2	0.34	0.22	0.34
(1,2789)	1:61:B:PRO:HG2	1:55:B:ARG:HA	2	0.34	0.05	0.34
(1,1678)	1:52:A:ALA:HA	1:55:A:ARG:HG2	2	0.33	0.23	0.33
(1,1679)	1:52:B:ALA:HA	1:55:B:ARG:HG2	2	0.33	0.23	0.33
(1,2788)	1:61:A:PRO:HG2	1:55:A:ARG:HA	2	0.33	0.06	0.33
(1,1703)	1:100:B:ARG:HA	1:100:B:ARG:HD3	2	0.33	0.08	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1703)	1:100:B:ARG:HA	1:100:B:ARG:HD2	2	0.33	0.08	0.33
(1,1704)	1:100:A:ARG:HA	1:100:A:ARG:HD3	2	0.33	0.08	0.33
(1,1704)	1:100:A:ARG:HA	1:100:A:ARG:HD2	2	0.33	0.08	0.33
(1,1187)	1:85:A:ARG:HB2	1:85:B:ARG:HD2	2	0.32	0.18	0.32
(1,1594)	1:85:A:ARG:HB2	1:85:B:ARG:HD2	2	0.32	0.18	0.32
(1,2072)	1:85:A:ARG:HB2	1:85:B:ARG:HD2	2	0.32	0.18	0.32
(1,1169)	1:30:A:THR:HG21	1:31:A:LYS:H	2	0.32	0.21	0.32
(1,1169)	1:30:A:THR:HG22	1:31:A:LYS:H	2	0.32	0.21	0.32
(1,1169)	1:30:A:THR:HG23	1:31:A:LYS:H	2	0.32	0.21	0.32
(1,1186)	1:85:B:ARG:HB2	1:85:A:ARG:HD2	2	0.32	0.18	0.32
(1,1595)	1:85:B:ARG:HB2	1:85:A:ARG:HD2	2	0.32	0.18	0.32
(1,2073)	1:85:B:ARG:HB2	1:85:A:ARG:HD2	2	0.32	0.18	0.32
(1,313)	1:44:B:LEU:HD11	1:47:B:PHE:HD1	2	0.32	0.09	0.32
(1,313)	1:44:B:LEU:HD11	1:47:B:PHE:HD2	2	0.32	0.09	0.32
(1,313)	1:44:B:LEU:HD12	1:47:B:PHE:HD1	2	0.32	0.09	0.32
(1,313)	1:44:B:LEU:HD12	1:47:B:PHE:HD2	2	0.32	0.09	0.32
(1,313)	1:44:B:LEU:HD13	1:47:B:PHE:HD1	2	0.32	0.09	0.32
(1,313)	1:44:B:LEU:HD13	1:47:B:PHE:HD2	2	0.32	0.09	0.32
(1,1168)	1:30:B:THR:HG21	1:31:B:LYS:H	2	0.32	0.22	0.32
(1,1168)	1:30:B:THR:HG22	1:31:B:LYS:H	2	0.32	0.22	0.32
(1,1168)	1:30:B:THR:HG23	1:31:B:LYS:H	2	0.32	0.22	0.32
(1,2079)	1:23:A:VAL:HB	1:63:A:ALA:HB1	2	0.32	0.18	0.32
(1,2079)	1:23:A:VAL:HB	1:63:A:ALA:HB2	2	0.32	0.18	0.32
(1,2079)	1:23:A:VAL:HB	1:63:A:ALA:HB3	2	0.32	0.18	0.32
(1,3470)	1:28:B:GLN:HE21	1:25:B:THR:HA	2	0.32	0.03	0.32
(1,312)	1:44:A:LEU:HD11	1:47:A:PHE:HD1	2	0.31	0.09	0.31
(1,312)	1:44:A:LEU:HD11	1:47:A:PHE:HD2	2	0.31	0.09	0.31
(1,312)	1:44:A:LEU:HD12	1:47:A:PHE:HD1	2	0.31	0.09	0.31
(1,312)	1:44:A:LEU:HD12	1:47:A:PHE:HD2	2	0.31	0.09	0.31
(1,312)	1:44:A:LEU:HD13	1:47:A:PHE:HD1	2	0.31	0.09	0.31
(1,312)	1:44:A:LEU:HD13	1:47:A:PHE:HD2	2	0.31	0.09	0.31
(1,2078)	1:23:B:VAL:HB	1:63:B:ALA:HB1	2	0.31	0.18	0.31
(1,2078)	1:23:B:VAL:HB	1:63:B:ALA:HB2	2	0.31	0.18	0.31
(1,2078)	1:23:B:VAL:HB	1:63:B:ALA:HB3	2	0.31	0.18	0.31
(1,3471)	1:28:A:GLN:HE21	1:25:A:THR:HA	2	0.31	0.02	0.31
(1,3124)	1:63:B:ALA:HB1	1:23:B:VAL:HG21	2	0.3	0.16	0.3
(1,3124)	1:63:B:ALA:HB1	1:23:B:VAL:HG22	2	0.3	0.16	0.3
(1,3124)	1:63:B:ALA:HB1	1:23:B:VAL:HG23	2	0.3	0.16	0.3
(1,3124)	1:63:B:ALA:HB2	1:23:B:VAL:HG21	2	0.3	0.16	0.3
(1,3124)	1:63:B:ALA:HB2	1:23:B:VAL:HG22	2	0.3	0.16	0.3
(1,3124)	1:63:B:ALA:HB2	1:23:B:VAL:HG23	2	0.3	0.16	0.3
(1,3124)	1:63:B:ALA:HB3	1:23:B:VAL:HG21	2	0.3	0.16	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3124)	1:63:B:ALA:HB3	1:23:B:VAL:HG22	2	0.3	0.16	0.3
(1,3124)	1:63:B:ALA:HB3	1:23:B:VAL:HG23	2	0.3	0.16	0.3
(1,1268)	1:69:B:TRP:HE3	1:47:B:PHE:HE1	2	0.3	0.07	0.3
(1,1268)	1:69:B:TRP:HE3	1:47:B:PHE:HE2	2	0.3	0.07	0.3
(1,337)	1:64:B:GLY:HA3	1:63:B:ALA:HB1	2	0.3	0.02	0.3
(1,337)	1:64:B:GLY:HA3	1:63:B:ALA:HB2	2	0.3	0.02	0.3
(1,337)	1:64:B:GLY:HA3	1:63:B:ALA:HB3	2	0.3	0.02	0.3
(1,1267)	1:69:A:TRP:HE3	1:47:A:PHE:HE1	2	0.3	0.06	0.3
(1,1267)	1:69:A:TRP:HE3	1:47:A:PHE:HE2	2	0.3	0.06	0.3
(1,336)	1:64:A:GLY:HA3	1:63:A:ALA:HB1	2	0.29	0.03	0.29
(1,336)	1:64:A:GLY:HA3	1:63:A:ALA:HB2	2	0.29	0.03	0.29
(1,336)	1:64:A:GLY:HA3	1:63:A:ALA:HB3	2	0.29	0.03	0.29
(1,42)	1:69:B:TRP:HZ2	1:94:A:ILE:HB	2	0.29	0.04	0.29
(1,43)	1:69:A:TRP:HZ2	1:94:B:ILE:HB	2	0.29	0.01	0.29
(1,1180)	1:69:A:TRP:HZ2	1:94:B:ILE:HB	2	0.29	0.01	0.29
(1,1181)	1:69:B:TRP:HZ2	1:94:A:ILE:HB	2	0.29	0.04	0.29
(1,51)	1:45:A:LYS:HE2	1:57:B:LEU:HA	2	0.28	0.11	0.28
(1,2940)	1:71:B:THR:H	1:44:B:LEU:HD21	2	0.26	0.09	0.26
(1,2940)	1:71:B:THR:H	1:44:B:LEU:HD22	2	0.26	0.09	0.26
(1,2940)	1:71:B:THR:H	1:44:B:LEU:HD23	2	0.26	0.09	0.26
(1,2941)	1:71:A:THR:H	1:44:A:LEU:HD21	2	0.26	0.09	0.26
(1,2941)	1:71:A:THR:H	1:44:A:LEU:HD22	2	0.26	0.09	0.26
(1,2941)	1:71:A:THR:H	1:44:A:LEU:HD23	2	0.26	0.09	0.26
(1,50)	1:45:B:LYS:HE2	1:57:A:LEU:HA	2	0.26	0.1	0.26
(1,1673)	1:58:B:THR:HG21	1:58:B:THR:H	2	0.25	0.13	0.25
(1,1673)	1:58:B:THR:HG22	1:58:B:THR:H	2	0.25	0.13	0.25
(1,1673)	1:58:B:THR:HG23	1:58:B:THR:H	2	0.25	0.13	0.25
(1,1674)	1:58:A:THR:HG21	1:58:A:THR:H	2	0.25	0.13	0.25
(1,1674)	1:58:A:THR:HG22	1:58:A:THR:H	2	0.25	0.13	0.25
(1,1674)	1:58:A:THR:HG23	1:58:A:THR:H	2	0.25	0.13	0.25
(1,2320)	1:51:B:VAL:HG11	1:65:B:ILE:HD11	2	0.25	0.15	0.25
(1,2320)	1:51:B:VAL:HG11	1:65:B:ILE:HD12	2	0.25	0.15	0.25
(1,2320)	1:51:B:VAL:HG11	1:65:B:ILE:HD13	2	0.25	0.15	0.25
(1,2320)	1:51:B:VAL:HG12	1:65:B:ILE:HD11	2	0.25	0.15	0.25
(1,2320)	1:51:B:VAL:HG12	1:65:B:ILE:HD12	2	0.25	0.15	0.25
(1,2320)	1:51:B:VAL:HG12	1:65:B:ILE:HD13	2	0.25	0.15	0.25
(1,2320)	1:51:B:VAL:HG13	1:65:B:ILE:HD11	2	0.25	0.15	0.25
(1,2320)	1:51:B:VAL:HG13	1:65:B:ILE:HD12	2	0.25	0.15	0.25
(1,2320)	1:51:B:VAL:HG13	1:65:B:ILE:HD13	2	0.25	0.15	0.25
(1,2321)	1:51:A:VAL:HG11	1:65:A:ILE:HD11	2	0.25	0.15	0.25
(1,2321)	1:51:A:VAL:HG11	1:65:A:ILE:HD12	2	0.25	0.15	0.25
(1,2321)	1:51:A:VAL:HG11	1:65:A:ILE:HD13	2	0.25	0.15	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2321)	1:51:A:VAL:HG12	1:65:A:ILE:HD11	2	0.25	0.15	0.25
(1,2321)	1:51:A:VAL:HG12	1:65:A:ILE:HD12	2	0.25	0.15	0.25
(1,2321)	1:51:A:VAL:HG12	1:65:A:ILE:HD13	2	0.25	0.15	0.25
(1,2321)	1:51:A:VAL:HG13	1:65:A:ILE:HD11	2	0.25	0.15	0.25
(1,2321)	1:51:A:VAL:HG13	1:65:A:ILE:HD12	2	0.25	0.15	0.25
(1,2321)	1:51:A:VAL:HG13	1:65:A:ILE:HD13	2	0.25	0.15	0.25
(1,513)	1:26:A:VAL:HA	1:28:A:GLN:H	2	0.24	0.06	0.24
(1,3189)	1:66:A:LEU:HD11	1:60:A:PRO:HA	2	0.24	0.08	0.24
(1,3189)	1:66:A:LEU:HD12	1:60:A:PRO:HA	2	0.24	0.08	0.24
(1,3189)	1:66:A:LEU:HD13	1:60:A:PRO:HA	2	0.24	0.08	0.24
(1,418)	1:57:A:LEU:HD11	1:59:A:ILE:H	2	0.24	0.06	0.24
(1,418)	1:57:A:LEU:HD12	1:59:A:ILE:H	2	0.24	0.06	0.24
(1,418)	1:57:A:LEU:HD13	1:59:A:ILE:H	2	0.24	0.06	0.24
(1,514)	1:26:B:VAL:HA	1:28:B:GLN:H	2	0.24	0.06	0.24
(1,2577)	1:69:A:TRP:HE3	1:65:A:ILE:HG21	2	0.24	0.11	0.24
(1,2577)	1:69:A:TRP:HE3	1:65:A:ILE:HG22	2	0.24	0.11	0.24
(1,2577)	1:69:A:TRP:HE3	1:65:A:ILE:HG23	2	0.24	0.11	0.24
(1,2578)	1:69:B:TRP:HE3	1:65:B:ILE:HG21	2	0.24	0.11	0.24
(1,2578)	1:69:B:TRP:HE3	1:65:B:ILE:HG22	2	0.24	0.11	0.24
(1,2578)	1:69:B:TRP:HE3	1:65:B:ILE:HG23	2	0.24	0.11	0.24
(1,1056)	1:46:B:LEU:H	1:43:B:PRO:HD3	2	0.24	0.06	0.24
(1,1057)	1:46:A:LEU:H	1:43:A:PRO:HD3	2	0.24	0.05	0.24
(1,303)	1:84:A:PHE:HD1	1:87:A:GLU:HB2	2	0.22	0.07	0.22
(1,303)	1:84:A:PHE:HD2	1:87:A:GLU:HB2	2	0.22	0.07	0.22
(1,304)	1:84:B:PHE:HD1	1:87:B:GLU:HB2	2	0.22	0.07	0.22
(1,304)	1:84:B:PHE:HD2	1:87:B:GLU:HB2	2	0.22	0.07	0.22
(1,712)	1:70:A:GLY:H	1:65:A:ILE:H	2	0.21	0.03	0.21
(1,713)	1:70:B:GLY:H	1:65:B:ILE:H	2	0.2	0.03	0.2
(1,142)	1:69:A:TRP:HZ2	1:95:B:LEU:H	2	0.2	0.05	0.2
(1,2753)	1:57:A:LEU:HD11	1:49:B:ALA:HB1	2	0.2	0.01	0.2
(1,2753)	1:57:A:LEU:HD11	1:49:B:ALA:HB2	2	0.2	0.01	0.2
(1,2753)	1:57:A:LEU:HD11	1:49:B:ALA:HB3	2	0.2	0.01	0.2
(1,2753)	1:57:A:LEU:HD12	1:49:B:ALA:HB1	2	0.2	0.01	0.2
(1,2753)	1:57:A:LEU:HD12	1:49:B:ALA:HB2	2	0.2	0.01	0.2
(1,2753)	1:57:A:LEU:HD12	1:49:B:ALA:HB3	2	0.2	0.01	0.2
(1,2753)	1:57:A:LEU:HD13	1:49:B:ALA:HB1	2	0.2	0.01	0.2
(1,2753)	1:57:A:LEU:HD13	1:49:B:ALA:HB2	2	0.2	0.01	0.2
(1,2753)	1:57:A:LEU:HD13	1:49:B:ALA:HB3	2	0.2	0.01	0.2
(1,126)	1:69:A:TRP:HZ2	1:94:B:ILE:H	2	0.19	0.01	0.19
(1,2926)	1:44:B:LEU:HD11	1:44:B:LEU:HA	2	0.19	0.04	0.19
(1,2926)	1:44:B:LEU:HD12	1:44:B:LEU:HA	2	0.19	0.04	0.19
(1,2926)	1:44:B:LEU:HD13	1:44:B:LEU:HA	2	0.19	0.04	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2927)	1:44:A:LEU:HD11	1:44:A:LEU:HA	2	0.19	0.04	0.19
(1,2927)	1:44:A:LEU:HD12	1:44:A:LEU:HA	2	0.19	0.04	0.19
(1,2927)	1:44:A:LEU:HD13	1:44:A:LEU:HA	2	0.19	0.04	0.19
(1,1818)	1:80:B:VAL:HG21	1:77:B:ALA:HA	2	0.18	0.04	0.18
(1,1818)	1:80:B:VAL:HG22	1:77:B:ALA:HA	2	0.18	0.04	0.18
(1,1818)	1:80:B:VAL:HG23	1:77:B:ALA:HA	2	0.18	0.04	0.18
(1,125)	1:69:B:TRP:HZ2	1:94:A:ILE:H	2	0.18	0.01	0.18
(1,1430)	1:59:B:ILE:H	1:58:B:THR:H	2	0.18	0.02	0.18
(1,1817)	1:80:A:VAL:HG21	1:77:A:ALA:HA	2	0.18	0.04	0.18
(1,1817)	1:80:A:VAL:HG22	1:77:A:ALA:HA	2	0.18	0.04	0.18
(1,1817)	1:80:A:VAL:HG23	1:77:A:ALA:HA	2	0.18	0.04	0.18
(1,2628)	1:48:A:MET:HG2	1:81:A:LEU:HG	2	0.18	0.03	0.18
(2,38)	1:48:B:MET:HG2	1:81:B:LEU:HG	2	0.18	0.03	0.18
(1,1431)	1:59:A:ILE:H	1:58:A:THR:H	2	0.18	0.03	0.18
(1,1683)	1:78:B:ILE:HG21	1:79:B:ASN:H	2	0.18	0.04	0.18
(1,1683)	1:78:B:ILE:HG22	1:79:B:ASN:H	2	0.18	0.04	0.18
(1,1683)	1:78:B:ILE:HG23	1:79:B:ASN:H	2	0.18	0.04	0.18
(1,1684)	1:78:A:ILE:HG21	1:79:A:ASN:H	2	0.18	0.04	0.18
(1,1684)	1:78:A:ILE:HG22	1:79:A:ASN:H	2	0.18	0.04	0.18
(1,1684)	1:78:A:ILE:HG23	1:79:A:ASN:H	2	0.18	0.04	0.18
(2,297)	1:49:B:ALA:HB1	1:56:A:PHE:HB3	2	0.18	0.02	0.18
(2,297)	1:49:B:ALA:HB2	1:56:A:PHE:HB3	2	0.18	0.02	0.18
(2,297)	1:49:B:ALA:HB3	1:56:A:PHE:HB3	2	0.18	0.02	0.18
(1,1225)	1:43:A:PRO:HD2	1:43:A:PRO:HA	2	0.17	0.0	0.17
(1,58)	1:49:A:ALA:HB1	1:56:B:PHE:HB3	2	0.16	0.01	0.16
(1,58)	1:49:A:ALA:HB2	1:56:B:PHE:HB3	2	0.16	0.01	0.16
(1,58)	1:49:A:ALA:HB3	1:56:B:PHE:HB3	2	0.16	0.01	0.16
(1,1059)	1:81:A:LEU:H	1:81:A:LEU:HD11	2	0.16	0.01	0.16
(1,1059)	1:81:A:LEU:H	1:81:A:LEU:HD12	2	0.16	0.01	0.16
(1,1059)	1:81:A:LEU:H	1:81:A:LEU:HD13	2	0.16	0.01	0.16
(1,1224)	1:43:B:PRO:HD2	1:43:B:PRO:HA	2	0.16	0.01	0.16
(1,2219)	1:91:A:MET:HG3	1:88:A:ILE:HA	2	0.16	0.01	0.16
(1,1211)	1:48:A:MET:H	1:45:A:LYS:HA	2	0.16	0.0	0.16
(1,1212)	1:48:B:MET:H	1:45:B:LYS:HA	2	0.16	0.0	0.16
(1,1367)	1:93:B:ASN:HA	1:96:B:ASN:H	2	0.16	0.04	0.16
(1,1368)	1:93:A:ASN:HA	1:96:A:ASN:H	2	0.16	0.04	0.16
(1,1973)	1:43:B:PRO:HB3	1:44:B:LEU:H	2	0.16	0.06	0.16
(1,3205)	1:49:B:ALA:HA	1:53:A:PHE:HA	2	0.16	0.02	0.16
(1,3366)	1:77:A:ALA:HB1	1:72:A:ILE:HA	2	0.16	0.05	0.16
(1,3366)	1:77:A:ALA:HB2	1:72:A:ILE:HA	2	0.16	0.05	0.16
(1,3366)	1:77:A:ALA:HB3	1:72:A:ILE:HA	2	0.16	0.05	0.16
(1,3367)	1:77:B:ALA:HB1	1:72:B:ILE:HA	2	0.16	0.05	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3367)	1:77:B:ALA:HB2	1:72:B:ILE:HA	2	0.16	0.05	0.16
(1,3367)	1:77:B:ALA:HB3	1:72:B:ILE:HA	2	0.16	0.05	0.16
(1,847)	1:28:A:GLN:HB2	1:29:A:LEU:H	2	0.16	0.02	0.16
(1,847)	1:28:A:GLN:HB3	1:29:A:LEU:H	2	0.16	0.02	0.16
(1,848)	1:28:B:GLN:HB2	1:29:B:LEU:H	2	0.16	0.02	0.16
(1,848)	1:28:B:GLN:HB3	1:29:B:LEU:H	2	0.16	0.02	0.16
(1,1072)	1:64:A:GLY:HA2	1:63:A:ALA:HB1	2	0.15	0.01	0.15
(1,1072)	1:64:A:GLY:HA2	1:63:A:ALA:HB2	2	0.15	0.01	0.15
(1,1072)	1:64:A:GLY:HA2	1:63:A:ALA:HB3	2	0.15	0.01	0.15
(1,1073)	1:64:B:GLY:HA2	1:63:B:ALA:HB1	2	0.15	0.01	0.15
(1,1073)	1:64:B:GLY:HA2	1:63:B:ALA:HB2	2	0.15	0.01	0.15
(1,1073)	1:64:B:GLY:HA2	1:63:B:ALA:HB3	2	0.15	0.01	0.15
(1,3206)	1:49:A:ALA:HA	1:53:B:PHE:HA	2	0.15	0.01	0.15
(1,1291)	1:56:A:PHE:HB2	1:52:A:ALA:HA	2	0.15	0.04	0.15
(1,1292)	1:56:B:PHE:HB2	1:52:B:ALA:HA	2	0.15	0.04	0.15
(1,1770)	1:46:A:LEU:H	1:48:A:MET:H	2	0.15	0.02	0.15
(1,1612)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	2	0.14	0.03	0.14
(1,1612)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	2	0.14	0.03	0.14
(1,1612)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	2	0.14	0.03	0.14
(1,1612)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	2	0.14	0.03	0.14
(1,1612)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	2	0.14	0.03	0.14
(1,1612)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	2	0.14	0.03	0.14
(1,1613)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	2	0.14	0.03	0.14
(1,1613)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	2	0.14	0.03	0.14
(1,1613)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	2	0.14	0.03	0.14
(1,1613)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	2	0.14	0.03	0.14
(1,1613)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	2	0.14	0.03	0.14
(1,1613)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	2	0.14	0.03	0.14
(1,1771)	1:46:B:LEU:H	1:48:B:MET:H	2	0.14	0.02	0.14
(1,2307)	1:90:B:ARG:HA	1:93:B:ASN:H	2	0.14	0.01	0.14
(1,3481)	1:94:A:ILE:HB	1:92:A:LEU:H	2	0.14	0.03	0.14
(1,3482)	1:94:B:ILE:HB	1:92:B:LEU:H	2	0.14	0.03	0.14
(1,2306)	1:90:A:ARG:HA	1:93:A:ASN:H	2	0.14	0.01	0.14
(1,435)	1:57:A:LEU:HD11	1:49:B:ALA:HB1	2	0.13	0.01	0.13
(1,435)	1:57:A:LEU:HD11	1:49:B:ALA:HB2	2	0.13	0.01	0.13
(1,435)	1:57:A:LEU:HD11	1:49:B:ALA:HB3	2	0.13	0.01	0.13
(1,435)	1:57:A:LEU:HD12	1:49:B:ALA:HB1	2	0.13	0.01	0.13
(1,435)	1:57:A:LEU:HD12	1:49:B:ALA:HB2	2	0.13	0.01	0.13
(1,435)	1:57:A:LEU:HD12	1:49:B:ALA:HB3	2	0.13	0.01	0.13
(1,435)	1:57:A:LEU:HD13	1:49:B:ALA:HB1	2	0.13	0.01	0.13
(1,435)	1:57:A:LEU:HD13	1:49:B:ALA:HB2	2	0.13	0.01	0.13
(1,435)	1:57:A:LEU:HD13	1:49:B:ALA:HB3	2	0.13	0.01	0.13

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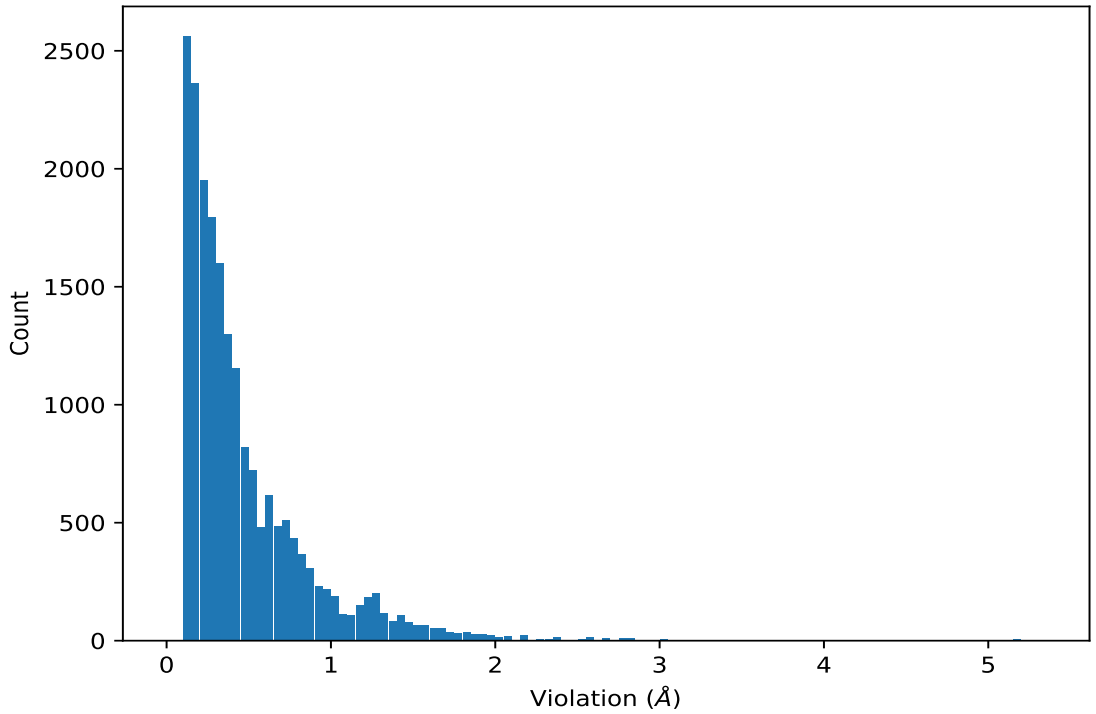
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2875)	1:60:A:PRO:HG2	1:59:A:ILE:HG13	2	0.13	0.01	0.13
(1,2876)	1:60:B:PRO:HG2	1:59:B:ILE:HG13	2	0.13	0.01	0.13
(1,2998)	1:78:B:ILE:HG21	1:79:B:ASN:HA	2	0.13	0.02	0.13
(1,2998)	1:78:B:ILE:HG22	1:79:B:ASN:HA	2	0.13	0.02	0.13
(1,2998)	1:78:B:ILE:HG23	1:79:B:ASN:HA	2	0.13	0.02	0.13
(1,2999)	1:78:A:ILE:HG21	1:79:A:ASN:HA	2	0.12	0.02	0.12
(1,2999)	1:78:A:ILE:HG22	1:79:A:ASN:HA	2	0.12	0.02	0.12
(1,2999)	1:78:A:ILE:HG23	1:79:A:ASN:HA	2	0.12	0.02	0.12
(1,1935)	1:56:B:PHE:HD1	1:84:A:PHE:HD1	2	0.12	0.01	0.12
(1,1935)	1:56:B:PHE:HD1	1:84:A:PHE:HD2	2	0.12	0.01	0.12
(1,1935)	1:56:B:PHE:HD2	1:84:A:PHE:HD1	2	0.12	0.01	0.12
(1,1935)	1:56:B:PHE:HD2	1:84:A:PHE:HD2	2	0.12	0.01	0.12
(1,541)	1:52:A:ALA:H	1:53:A:PHE:HB3	2	0.12	0.0	0.12
(1,542)	1:52:B:ALA:H	1:53:B:PHE:HB3	2	0.11	0.01	0.11
(1,2798)	1:66:B:LEU:H	1:66:B:LEU:HD21	2	0.11	0.0	0.11
(1,2798)	1:66:B:LEU:H	1:66:B:LEU:HD22	2	0.11	0.0	0.11
(1,2798)	1:66:B:LEU:H	1:66:B:LEU:HD23	2	0.11	0.0	0.11
(1,1543)	1:51:A:VAL:HG11	1:51:A:VAL:HA	2	0.1	0.0	0.1
(1,1543)	1:51:A:VAL:HG12	1:51:A:VAL:HA	2	0.1	0.0	0.1
(1,1543)	1:51:A:VAL:HG13	1:51:A:VAL:HA	2	0.1	0.0	0.1
(1,2310)	1:23:B:VAL:HG11	1:23:B:VAL:HA	2	0.1	0.0	0.1
(1,2310)	1:23:B:VAL:HG12	1:23:B:VAL:HA	2	0.1	0.0	0.1
(1,2310)	1:23:B:VAL:HG13	1:23:B:VAL:HA	2	0.1	0.0	0.1
(1,2799)	1:66:A:LEU:H	1:66:A:LEU:HD21	2	0.1	0.0	0.1
(1,2799)	1:66:A:LEU:H	1:66:A:LEU:HD22	2	0.1	0.0	0.1
(1,2799)	1:66:A:LEU:H	1:66:A:LEU:HD23	2	0.1	0.0	0.1

[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)
(2,122)	1:28:A:GLN:HB2	1:31:A:LYS:HE2	17	5.34
(1,2655)	1:28:B:GLN:HB2	1:31:B:LYS:HE2	17	5.33
(2,34)	1:71:B:THR:HG21	1:76:B:LYS:HE3	5	5.18
(2,34)	1:71:B:THR:HG22	1:76:B:LYS:HE3	5	5.18
(2,34)	1:71:B:THR:HG23	1:76:B:LYS:HE3	5	5.18
(1,2650)	1:71:A:THR:HG21	1:76:A:LYS:HE3	5	5.17
(1,2650)	1:71:A:THR:HG22	1:76:A:LYS:HE3	5	5.17
(1,2650)	1:71:A:THR:HG23	1:76:A:LYS:HE3	5	5.17
(1,2236)	1:28:A:GLN:HA	1:31:A:LYS:HE2	17	4.67
(1,2237)	1:28:B:GLN:HA	1:31:B:LYS:HE2	17	4.66
(1,1189)	1:75:B:SER:HB3	1:73:B:LYS:HE2	13	4.56
(1,1188)	1:75:A:SER:HB3	1:73:A:LYS:HE2	13	4.56
(1,1933)	1:24:B:SER:HB3	1:60:B:PRO:HG2	17	4.44
(2,85)	1:24:A:SER:HB3	1:60:A:PRO:HG2	17	4.43
(2,360)	1:31:B:LYS:HE2	1:27:B:GLN:HG3	17	4.34
(2,281)	1:31:A:LYS:HE2	1:27:A:GLN:HG3	17	4.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2976)	1:22:A:ARG:HG3	1:30:A:THR:HB	1	3.66
(1,2640)	1:28:B:GLN:HE21	1:50:B:LEU:HG	14	3.61
(1,2639)	1:28:A:GLN:HE21	1:50:A:LEU:HG	14	3.6
(1,1071)	1:22:B:ARG:HG2	1:30:B:THR:HB	1	3.6
(1,1070)	1:22:A:ARG:HG2	1:30:A:THR:HB	1	3.58
(1,697)	1:26:A:VAL:HG21	1:64:A:GLY:H	17	3.43
(1,697)	1:26:A:VAL:HG22	1:64:A:GLY:H	17	3.43
(1,697)	1:26:A:VAL:HG23	1:64:A:GLY:H	17	3.43
(1,469)	1:27:B:GLN:HA	1:31:B:LYS:HE2	17	3.39
(1,470)	1:27:A:GLN:HA	1:31:A:LYS:HE2	17	3.38
(1,2067)	1:30:A:THR:HG21	1:22:A:ARG:HG2	17	3.2
(1,2067)	1:30:A:THR:HG22	1:22:A:ARG:HG2	17	3.2
(1,2067)	1:30:A:THR:HG23	1:22:A:ARG:HG2	17	3.2
(2,202)	1:44:A:LEU:HB3	1:76:A:LYS:HE3	5	3.15
(2,42)	1:44:B:LEU:HB3	1:76:B:LYS:HE3	5	3.15
(2,166)	1:27:A:GLN:HG2	1:31:A:LYS:HE2	17	3.13
(1,3480)	1:27:B:GLN:HG2	1:31:B:LYS:HE2	17	3.13
(1,2068)	1:30:B:THR:HG21	1:22:B:ARG:HG2	1	3.01
(1,2068)	1:30:B:THR:HG22	1:22:B:ARG:HG2	1	3.01
(1,2068)	1:30:B:THR:HG23	1:22:B:ARG:HG2	1	3.01
(1,2067)	1:30:A:THR:HG21	1:22:A:ARG:HG2	1	3.0
(1,2067)	1:30:A:THR:HG22	1:22:A:ARG:HG2	1	3.0
(1,2067)	1:30:A:THR:HG23	1:22:A:ARG:HG2	1	3.0
(1,827)	1:22:A:ARG:HG3	1:27:A:GLN:HA	1	2.99
(1,321)	1:95:B:LEU:HA	1:98:B:ARG:HD2	4	2.99
(1,320)	1:95:A:LEU:HA	1:98:A:ARG:HD2	4	2.98
(1,229)	1:74:B:LYS:HE3	1:98:A:ARG:HD2	4	2.97
(1,228)	1:74:A:LYS:HE3	1:98:B:ARG:HD2	4	2.94
(1,2068)	1:30:B:THR:HG21	1:22:B:ARG:HG3	17	2.86
(1,2068)	1:30:B:THR:HG22	1:22:B:ARG:HG3	17	2.86
(1,2068)	1:30:B:THR:HG23	1:22:B:ARG:HG3	17	2.86
(1,2977)	1:22:B:ARG:HG2	1:30:B:THR:HB	1	2.82
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD11	7	2.82
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD12	7	2.82
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD13	7	2.82
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD11	7	2.82
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD12	7	2.82
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD13	7	2.82
(2,291)	1:62:A:THR:HB	1:24:A:SER:HB2	1	2.81
(2,290)	1:62:B:THR:HB	1:24:B:SER:HB2	1	2.81
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD21	7	2.77
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD22	7	2.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD23	7	2.77
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD21	7	2.76
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD22	7	2.76
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD23	7	2.76
(1,321)	1:95:B:LEU:HA	1:98:B:ARG:HD2	2	2.76
(1,320)	1:95:A:LEU:HA	1:98:A:ARG:HD2	2	2.76
(1,1591)	1:41:B:ARG:H	1:38:B:LEU:HB2	7	2.75
(1,1590)	1:41:A:ARG:H	1:38:A:LEU:HB2	7	2.75
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	3	2.7
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	3	2.7
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	3	2.7
(2,98)	1:78:A:ILE:HG21	1:79:A:ASN:HD21	4	2.65
(2,98)	1:78:A:ILE:HG22	1:79:A:ASN:HD21	4	2.65
(2,98)	1:78:A:ILE:HG23	1:79:A:ASN:HD21	4	2.65
(1,1662)	1:78:B:ILE:HG21	1:79:B:ASN:HD21	4	2.65
(1,1662)	1:78:B:ILE:HG22	1:79:B:ASN:HD21	4	2.65
(1,1662)	1:78:B:ILE:HG23	1:79:B:ASN:HD21	4	2.65
(1,1591)	1:41:B:ARG:H	1:38:B:LEU:HB3	11	2.65
(1,1590)	1:41:A:ARG:H	1:38:A:LEU:HB3	11	2.65
(1,908)	1:28:B:GLN:HA	1:31:B:LYS:HG2	17	2.65
(1,907)	1:28:A:GLN:HA	1:31:A:LYS:HG2	17	2.65
(2,343)	1:44:A:LEU:HG	1:76:A:LYS:HE3	5	2.63
(2,109)	1:44:B:LEU:HG	1:76:B:LYS:HE3	5	2.63
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD21	20	2.59
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD22	20	2.59
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD23	20	2.59
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD21	20	2.59
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD22	20	2.59
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD23	20	2.59
(2,65)	1:67:A:LYS:HE3	1:66:A:LEU:HB2	1	2.58
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD11	11	2.58
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD12	11	2.58
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD13	11	2.58
(2,257)	1:67:B:LYS:HE3	1:66:B:LEU:HB2	1	2.57
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD11	11	2.57
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD12	11	2.57
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD13	11	2.57
(1,2958)	1:29:B:LEU:HA	1:28:B:GLN:HG3	20	2.56
(1,2959)	1:29:A:LEU:HA	1:28:A:GLN:HG3	20	2.55
(1,3202)	1:41:B:ARG:HB3	1:47:B:PHE:HB3	2	2.54
(1,3201)	1:41:A:ARG:HB3	1:47:A:PHE:HB3	2	2.54
(1,2617)	1:96:B:ASN:H	1:98:B:ARG:HD3	4	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2616)	1:96:A:ASN:H	1:98:A:ARG:HD3	4	2.54
(1,1070)	1:22:A:ARG:HG2	1:30:A:THR:HB	17	2.52
(2,281)	1:31:A:LYS:HE2	1:27:A:GLN:HG2	14	2.49
(2,360)	1:31:B:LYS:HE2	1:27:B:GLN:HG2	14	2.48
(1,276)	1:41:B:ARG:HB2	1:71:B:THR:HB	3	2.47
(1,275)	1:41:A:ARG:HB2	1:71:A:THR:HB	3	2.47
(1,1869)	1:22:A:ARG:HG2	1:21:A:ASN:HA	1	2.4
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD21	13	2.39
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD22	13	2.39
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD23	13	2.39
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD21	13	2.39
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD22	13	2.39
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD23	13	2.39
(1,2640)	1:28:B:GLN:HE21	1:50:B:LEU:HG	8	2.38
(1,2639)	1:28:A:GLN:HE21	1:50:A:LEU:HG	8	2.38
(1,826)	1:22:B:ARG:HG2	1:27:B:GLN:HA	1	2.38
(1,675)	1:62:A:THR:HG21	1:26:A:VAL:HA	17	2.38
(1,675)	1:62:A:THR:HG22	1:26:A:VAL:HA	17	2.38
(1,675)	1:62:A:THR:HG23	1:26:A:VAL:HA	17	2.38
(1,674)	1:62:B:THR:HG21	1:26:B:VAL:HA	17	2.38
(1,674)	1:62:B:THR:HG22	1:26:B:VAL:HA	17	2.38
(1,674)	1:62:B:THR:HG23	1:26:B:VAL:HA	17	2.38
(1,2616)	1:96:A:ASN:H	1:98:A:ARG:HD3	16	2.35
(1,2617)	1:96:B:ASN:H	1:98:B:ARG:HD3	16	2.34
(2,257)	1:67:B:LYS:HE3	1:66:B:LEU:HB2	4	2.32
(2,65)	1:67:A:LYS:HE3	1:66:A:LEU:HB2	4	2.32
(1,1071)	1:22:B:ARG:HG3	1:30:B:THR:HB	17	2.32
(1,1591)	1:41:B:ARG:H	1:38:B:LEU:HB3	2	2.31
(1,1590)	1:41:A:ARG:H	1:38:A:LEU:HB3	2	2.31
(1,2640)	1:28:B:GLN:HE21	1:50:B:LEU:HG	15	2.28
(1,2639)	1:28:A:GLN:HE21	1:50:A:LEU:HG	15	2.28
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD11	2	2.25
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD12	2	2.25
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD13	2	2.25
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD11	2	2.25
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD12	2	2.25
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD13	2	2.25
(1,3309)	1:72:B:ILE:HG12	1:47:B:PHE:HB2	2	2.23
(1,3308)	1:72:A:ILE:HG12	1:47:A:PHE:HB2	2	2.23
(2,257)	1:67:B:LYS:HE2	1:66:B:LEU:HB2	7	2.2
(2,65)	1:67:A:LYS:HE2	1:66:A:LEU:HB2	7	2.19
(1,1870)	1:22:B:ARG:HG3	1:21:B:ASN:HA	1	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1930)	1:61:B:PRO:HG2	1:54:B:LEU:HD11	20	2.17
(1,1930)	1:61:B:PRO:HG2	1:54:B:LEU:HD12	20	2.17
(1,1930)	1:61:B:PRO:HG2	1:54:B:LEU:HD13	20	2.17
(1,1929)	1:61:A:PRO:HG2	1:54:A:LEU:HD11	20	2.17
(1,1929)	1:61:A:PRO:HG2	1:54:A:LEU:HD12	20	2.17
(1,1929)	1:61:A:PRO:HG2	1:54:A:LEU:HD13	20	2.17
(1,155)	1:71:B:THR:HG21	1:42:B:GLY:HA2	1	2.17
(1,155)	1:71:B:THR:HG22	1:42:B:GLY:HA2	1	2.17
(1,155)	1:71:B:THR:HG23	1:42:B:GLY:HA2	1	2.17
(1,154)	1:71:A:THR:HG21	1:42:A:GLY:HA2	1	2.17
(1,154)	1:71:A:THR:HG22	1:42:A:GLY:HA2	1	2.17
(1,154)	1:71:A:THR:HG23	1:42:A:GLY:HA2	1	2.17
(2,340)	1:77:A:ALA:H	1:76:A:LYS:HE2	5	2.16
(2,69)	1:63:B:ALA:HB1	1:67:B:LYS:HD3	2	2.16
(2,69)	1:63:B:ALA:HB2	1:67:B:LYS:HD3	2	2.16
(2,69)	1:63:B:ALA:HB3	1:67:B:LYS:HD3	2	2.16
(2,36)	1:63:A:ALA:HB1	1:67:A:LYS:HD3	2	2.16
(2,36)	1:63:A:ALA:HB2	1:67:A:LYS:HD3	2	2.16
(2,36)	1:63:A:ALA:HB3	1:67:A:LYS:HD3	2	2.16
(2,357)	1:21:A:ASN:HB2	1:27:A:GLN:HG2	3	2.15
(2,175)	1:21:B:ASN:HB2	1:27:B:GLN:HG2	3	2.15
(1,2688)	1:77:B:ALA:H	1:76:B:LYS:HE2	5	2.15
(1,321)	1:95:B:LEU:HA	1:98:B:ARG:HD2	9	2.13
(1,320)	1:95:A:LEU:HA	1:98:A:ARG:HD2	9	2.13
(1,1699)	1:72:B:ILE:HG13	1:71:B:THR:H	2	2.09
(1,698)	1:26:B:VAL:HG11	1:64:B:GLY:H	17	2.09
(1,698)	1:26:B:VAL:HG12	1:64:B:GLY:H	17	2.09
(1,698)	1:26:B:VAL:HG13	1:64:B:GLY:H	17	2.09
(1,3331)	1:26:A:VAL:HG21	1:22:A:ARG:HB2	17	2.08
(1,3331)	1:26:A:VAL:HG22	1:22:A:ARG:HB2	17	2.08
(1,3331)	1:26:A:VAL:HG23	1:22:A:ARG:HB2	17	2.08
(1,2670)	1:80:A:VAL:HG21	1:45:A:LYS:HG2	10	2.08
(1,2670)	1:80:A:VAL:HG22	1:45:A:LYS:HG2	10	2.08
(1,2670)	1:80:A:VAL:HG23	1:45:A:LYS:HG2	10	2.08
(1,1700)	1:72:A:ILE:HG13	1:71:A:THR:H	2	2.08
(1,3251)	1:39:B:GLN:HB3	1:41:B:ARG:HG3	10	2.07
(1,3250)	1:39:A:GLN:HB3	1:41:A:ARG:HG3	10	2.07
(1,3155)	1:73:A:LYS:H	1:76:A:LYS:HG3	5	2.07
(1,2640)	1:28:B:GLN:HE21	1:50:B:LEU:HG	3	2.07
(1,2639)	1:28:A:GLN:HE21	1:50:A:LEU:HG	3	2.07
(1,3382)	1:87:B:GLU:HB3	1:55:A:ARG:HG3	17	2.06
(1,3154)	1:73:B:LYS:H	1:76:B:LYS:HG3	5	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	17	2.04
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	17	2.04
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	17	2.04
(1,3008)	1:23:B:VAL:HB	1:22:B:ARG:HB3	3	2.04
(1,3363)	1:51:A:VAL:HG21	1:65:A:ILE:HG13	16	2.03
(1,3363)	1:51:A:VAL:HG22	1:65:A:ILE:HG13	16	2.03
(1,3363)	1:51:A:VAL:HG23	1:65:A:ILE:HG13	16	2.03
(1,3362)	1:51:B:VAL:HG21	1:65:B:ILE:HG13	16	2.03
(1,3362)	1:51:B:VAL:HG22	1:65:B:ILE:HG13	16	2.03
(1,3362)	1:51:B:VAL:HG23	1:65:B:ILE:HG13	16	2.03
(1,1945)	1:98:A:ARG:H	1:98:A:ARG:HD3	4	2.03
(1,1944)	1:98:B:ARG:H	1:98:B:ARG:HD3	4	2.03
(1,3340)	1:62:B:THR:HA	1:25:B:THR:HB	1	2.02
(1,3339)	1:62:A:THR:HA	1:25:A:THR:HB	1	2.02
(2,257)	1:67:B:LYS:HE3	1:66:B:LEU:HB2	12	2.0
(2,65)	1:67:A:LYS:HE3	1:66:A:LEU:HB2	12	2.0
(1,3288)	1:97:A:ARG:H	1:98:A:ARG:HD3	13	1.99
(1,3298)	1:22:B:ARG:HB3	1:63:B:ALA:H	3	1.98
(1,3287)	1:97:B:ARG:H	1:98:B:ARG:HD3	13	1.98
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD21	2	1.98
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD22	2	1.98
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD23	2	1.98
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD21	2	1.98
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD22	2	1.98
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD23	2	1.98
(1,1078)	1:95:A:LEU:HA	1:74:B:LYS:HD3	2	1.97
(2,224)	1:21:A:ASN:HB2	1:27:A:GLN:HG2	3	1.96
(2,54)	1:22:B:ARG:HB2	1:24:B:SER:H	8	1.96
(1,3383)	1:87:A:GLU:HB3	1:55:B:ARG:HG3	17	1.96
(1,2256)	1:57:A:LEU:HD11	1:45:B:LYS:HE3	4	1.96
(1,2256)	1:57:A:LEU:HD12	1:45:B:LYS:HE3	4	1.96
(1,2256)	1:57:A:LEU:HD13	1:45:B:LYS:HE3	4	1.96
(1,1220)	1:22:A:ARG:HB2	1:24:A:SER:H	8	1.96
(2,309)	1:21:B:ASN:HB2	1:27:B:GLN:HG2	3	1.95
(1,2255)	1:57:B:LEU:HD11	1:45:A:LYS:HE3	4	1.95
(1,2255)	1:57:B:LEU:HD12	1:45:A:LYS:HE3	4	1.95
(1,2255)	1:57:B:LEU:HD13	1:45:A:LYS:HE3	4	1.95
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD11	1	1.95
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD12	1	1.95
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD13	1	1.95
(2,257)	1:67:B:LYS:HE3	1:66:B:LEU:HB2	13	1.94
(2,65)	1:67:A:LYS:HE3	1:66:A:LEU:HB2	13	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3400)	1:25:A:THR:HG21	1:28:A:GLN:HE21	14	1.94
(1,3400)	1:25:A:THR:HG22	1:28:A:GLN:HE21	14	1.94
(1,3400)	1:25:A:THR:HG23	1:28:A:GLN:HE21	14	1.94
(1,3399)	1:25:B:THR:HG21	1:28:B:GLN:HE21	14	1.94
(1,3399)	1:25:B:THR:HG22	1:28:B:GLN:HE21	14	1.94
(1,3399)	1:25:B:THR:HG23	1:28:B:GLN:HE21	14	1.94
(1,1700)	1:72:A:ILE:HG13	1:71:A:THR:H	5	1.94
(1,1699)	1:72:B:ILE:HG13	1:71:B:THR:H	5	1.94
(1,2636)	1:27:A:GLN:HA	1:24:A:SER:H	8	1.93
(1,2636)	1:27:A:GLN:HA	1:24:A:SER:H	10	1.93
(1,1614)	1:96:B:ASN:HD22	1:97:B:ARG:HG2	11	1.93
(2,30)	1:39:A:GLN:HB2	1:41:A:ARG:HD2	7	1.92
(1,2635)	1:27:B:GLN:HA	1:24:B:SER:H	8	1.92
(1,2635)	1:27:B:GLN:HA	1:24:B:SER:H	10	1.92
(1,2522)	1:74:A:LYS:HG2	1:98:B:ARG:HG3	8	1.92
(1,1957)	1:48:B:MET:HB2	1:51:B:VAL:HB	16	1.92
(1,187)	1:39:B:GLN:HB2	1:41:B:ARG:HD2	7	1.92
(2,79)	1:48:A:MET:HB2	1:51:A:VAL:HB	16	1.91
(1,1615)	1:96:A:ASN:HD22	1:97:A:ARG:HG2	11	1.91
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD21	13	1.91
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD22	13	1.91
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD23	13	1.91
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD21	13	1.91
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD22	13	1.91
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD23	13	1.91
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG3	5	1.89
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG3	5	1.89
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG3	5	1.89
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG21	3	1.89
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG22	3	1.89
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG23	3	1.89
(1,16)	1:55:B:ARG:HB2	1:91:A:MET:HG2	20	1.89
(2,257)	1:67:B:LYS:HE2	1:66:B:LEU:HB2	19	1.88
(2,229)	1:93:A:ASN:HD21	1:91:A:MET:H	5	1.88
(1,2523)	1:74:B:LYS:HG2	1:98:A:ARG:HG3	19	1.88
(1,1952)	1:62:A:THR:HA	1:24:A:SER:H	1	1.88
(1,1082)	1:93:B:ASN:HD21	1:91:B:MET:H	5	1.88
(1,1082)	1:93:B:ASN:HD21	1:91:B:MET:H	19	1.88
(2,257)	1:67:B:LYS:HE2	1:66:B:LEU:HB3	6	1.87
(2,65)	1:67:A:LYS:HE2	1:66:A:LEU:HB2	19	1.87
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	10	1.87
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	10	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	10	1.87
(1,2421)	1:45:B:LYS:HE2	1:56:A:PHE:HA	10	1.87
(1,1951)	1:62:B:THR:HA	1:24:B:SER:H	1	1.87
(2,229)	1:93:A:ASN:HD21	1:91:A:MET:H	19	1.86
(2,65)	1:67:A:LYS:HE2	1:66:A:LEU:HB3	6	1.86
(1,1079)	1:95:B:LEU:HA	1:74:A:LYS:HD3	2	1.86
(1,2785)	1:94:A:ILE:HG21	1:74:B:LYS:HD3	2	1.85
(1,2785)	1:94:A:ILE:HG22	1:74:B:LYS:HD3	2	1.85
(1,2785)	1:94:A:ILE:HG23	1:74:B:LYS:HD3	2	1.85
(1,2522)	1:74:A:LYS:HG2	1:98:B:ARG:HG3	19	1.85
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG2	20	1.84
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG2	20	1.84
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG2	20	1.84
(1,2640)	1:28:B:GLN:HE21	1:50:B:LEU:HG	18	1.84
(1,2639)	1:28:A:GLN:HE21	1:50:A:LEU:HG	18	1.84
(1,2420)	1:45:A:LYS:HE2	1:56:B:PHE:HA	10	1.84
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG3	5	1.84
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG3	5	1.84
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG3	5	1.84
(1,2616)	1:96:A:ASN:H	1:98:A:ARG:HD3	6	1.83
(1,470)	1:27:A:GLN:HA	1:31:A:LYS:HE2	14	1.83
(2,138)	1:77:A:ALA:H	1:76:A:LYS:HE2	5	1.82
(1,2976)	1:22:A:ARG:HG3	1:30:A:THR:HB	3	1.82
(1,2640)	1:28:B:GLN:HE21	1:50:B:LEU:HG	2	1.82
(1,2640)	1:28:B:GLN:HE21	1:50:B:LEU:HG	16	1.82
(1,2639)	1:28:A:GLN:HE21	1:50:A:LEU:HG	2	1.82
(1,2639)	1:28:A:GLN:HE21	1:50:A:LEU:HG	16	1.82
(1,2617)	1:96:B:ASN:H	1:98:B:ARG:HD3	6	1.82
(1,1604)	1:93:A:ASN:HD21	1:89:A:GLY:HA3	10	1.82
(1,469)	1:27:B:GLN:HA	1:31:B:LYS:HE2	14	1.82
(1,321)	1:95:B:LEU:HA	1:98:B:ARG:HD2	5	1.82
(1,320)	1:95:A:LEU:HA	1:98:A:ARG:HD2	5	1.82
(1,2643)	1:77:B:ALA:H	1:76:B:LYS:HE2	5	1.81
(1,2580)	1:62:B:THR:HG21	1:26:B:VAL:HB	17	1.81
(1,2580)	1:62:B:THR:HG22	1:26:B:VAL:HB	17	1.81
(1,2580)	1:62:B:THR:HG23	1:26:B:VAL:HB	17	1.81
(1,2579)	1:62:A:THR:HG21	1:26:A:VAL:HB	17	1.81
(1,2579)	1:62:A:THR:HG22	1:26:A:VAL:HB	17	1.81
(1,2579)	1:62:A:THR:HG23	1:26:A:VAL:HB	17	1.81
(1,1220)	1:22:A:ARG:HB2	1:24:A:SER:H	10	1.81
(1,279)	1:41:B:ARG:H	1:38:B:LEU:HA	7	1.81
(1,278)	1:41:A:ARG:H	1:38:A:LEU:HA	7	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG2	20	1.81
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG2	20	1.81
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG2	20	1.81
(2,54)	1:22:B:ARG:HB2	1:24:B:SER:H	10	1.8
(1,1615)	1:96:A:ASN:HD21	1:97:A:ARG:HG2	18	1.8
(1,1614)	1:96:B:ASN:HD21	1:97:B:ARG:HG2	18	1.8
(1,3361)	1:51:B:VAL:HG11	1:65:B:ILE:HG13	2	1.79
(1,3361)	1:51:B:VAL:HG12	1:65:B:ILE:HG13	2	1.79
(1,3361)	1:51:B:VAL:HG13	1:65:B:ILE:HG13	2	1.79
(1,3360)	1:51:A:VAL:HG11	1:65:A:ILE:HG13	2	1.79
(1,3360)	1:51:A:VAL:HG12	1:65:A:ILE:HG13	2	1.79
(1,3360)	1:51:A:VAL:HG13	1:65:A:ILE:HG13	2	1.79
(1,2523)	1:74:B:LYS:HG2	1:98:A:ARG:HG3	8	1.79
(1,1614)	1:96:B:ASN:HD22	1:97:B:ARG:HG2	19	1.79
(2,1)	1:31:B:LYS:HG2	1:28:B:GLN:H	17	1.78
(1,2557)	1:94:A:ILE:HG21	1:74:B:LYS:HE2	3	1.78
(1,2557)	1:94:A:ILE:HG22	1:74:B:LYS:HE2	3	1.78
(1,2557)	1:94:A:ILE:HG23	1:74:B:LYS:HE2	3	1.78
(1,1615)	1:96:A:ASN:HD22	1:97:A:ARG:HG2	19	1.78
(1,352)	1:75:A:SER:H	1:76:A:LYS:H	5	1.78
(2,228)	1:93:B:ASN:HD21	1:89:B:GLY:HA2	10	1.77
(1,3380)	1:94:B:ILE:HG21	1:100:B:ARG:H	15	1.77
(1,3380)	1:94:B:ILE:HG22	1:100:B:ARG:H	15	1.77
(1,3380)	1:94:B:ILE:HG23	1:100:B:ARG:H	15	1.77
(1,353)	1:75:B:SER:H	1:76:B:LYS:H	5	1.77
(2,337)	1:21:B:ASN:HB2	1:23:B:VAL:H	3	1.76
(1,3381)	1:94:A:ILE:HG21	1:100:A:ARG:H	15	1.76
(1,3381)	1:94:A:ILE:HG22	1:100:A:ARG:H	15	1.76
(1,3381)	1:94:A:ILE:HG23	1:100:A:ARG:H	15	1.76
(1,3210)	1:49:B:ALA:HA	1:51:B:VAL:HB	16	1.76
(1,3209)	1:49:A:ALA:HA	1:51:A:VAL:HB	16	1.76
(1,1079)	1:95:B:LEU:HA	1:74:A:LYS:HD3	10	1.76
(1,481)	1:93:B:ASN:HD21	1:92:B:LEU:H	19	1.76
(1,2565)	1:62:A:THR:HG21	1:65:A:ILE:HG12	2	1.75
(1,2565)	1:62:A:THR:HG22	1:65:A:ILE:HG12	2	1.75
(1,2565)	1:62:A:THR:HG23	1:65:A:ILE:HG12	2	1.75
(1,782)	1:21:A:ASN:HB2	1:23:A:VAL:H	3	1.75
(1,2566)	1:62:B:THR:HG21	1:65:B:ILE:HG12	2	1.74
(1,2566)	1:62:B:THR:HG22	1:65:B:ILE:HG12	2	1.74
(1,2566)	1:62:B:THR:HG23	1:65:B:ILE:HG12	2	1.74
(1,1082)	1:93:B:ASN:HD21	1:91:B:MET:H	1	1.74
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	9	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	9	1.73
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	9	1.73
(1,1825)	1:48:A:MET:HA	1:51:A:VAL:HB	16	1.73
(1,1824)	1:48:B:MET:HA	1:51:B:VAL:HB	16	1.73
(2,285)	1:92:A:LEU:HD21	1:85:B:ARG:HB3	5	1.72
(2,285)	1:92:A:LEU:HD22	1:85:B:ARG:HB3	5	1.72
(2,285)	1:92:A:LEU:HD23	1:85:B:ARG:HB3	5	1.72
(2,229)	1:93:A:ASN:HD21	1:91:A:MET:H	1	1.72
(2,54)	1:22:B:ARG:HB2	1:24:B:SER:H	12	1.72
(1,3258)	1:92:B:LEU:HD21	1:85:A:ARG:HB3	5	1.72
(1,3258)	1:92:B:LEU:HD22	1:85:A:ARG:HB3	5	1.72
(1,3258)	1:92:B:LEU:HD23	1:85:A:ARG:HB3	5	1.72
(1,1220)	1:22:A:ARG:HB2	1:24:A:SER:H	12	1.72
(1,1078)	1:95:A:LEU:HA	1:74:B:LYS:HD3	10	1.72
(1,2556)	1:94:B:ILE:HG21	1:74:A:LYS:HE2	3	1.71
(1,2556)	1:94:B:ILE:HG22	1:74:A:LYS:HE2	3	1.71
(1,2556)	1:94:B:ILE:HG23	1:74:A:LYS:HE2	3	1.71
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD21	18	1.71
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD22	18	1.71
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD23	18	1.71
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD21	18	1.71
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD22	18	1.71
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD23	18	1.71
(1,2786)	1:94:B:ILE:HG21	1:74:A:LYS:HD3	2	1.7
(1,2786)	1:94:B:ILE:HG22	1:74:A:LYS:HD3	2	1.7
(1,2786)	1:94:B:ILE:HG23	1:74:A:LYS:HD3	2	1.7
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD21	1	1.7
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD22	1	1.7
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD23	1	1.7
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD21	1	1.7
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD22	1	1.7
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD23	1	1.7
(2,94)	1:61:B:PRO:HB2	1:66:B:LEU:HD11	17	1.68
(2,94)	1:61:B:PRO:HB2	1:66:B:LEU:HD12	17	1.68
(2,94)	1:61:B:PRO:HB2	1:66:B:LEU:HD13	17	1.68
(1,2617)	1:96:B:ASN:H	1:98:B:ARG:HD3	12	1.68
(1,2616)	1:96:A:ASN:H	1:98:A:ARG:HD3	12	1.68
(1,2108)	1:61:B:PRO:HA	1:54:B:LEU:HD11	20	1.68
(1,2108)	1:61:B:PRO:HA	1:54:B:LEU:HD12	20	1.68
(1,2108)	1:61:B:PRO:HA	1:54:B:LEU:HD13	20	1.68
(1,2107)	1:61:A:PRO:HA	1:54:A:LEU:HD11	20	1.68
(1,2107)	1:61:A:PRO:HA	1:54:A:LEU:HD12	20	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2107)	1:61:A:PRO:HA	1:54:A:LEU:HD13	20	1.68
(1,321)	1:95:B:LEU:HA	1:98:B:ARG:HD2	16	1.68
(1,320)	1:95:A:LEU:HA	1:98:A:ARG:HD2	16	1.68
(2,349)	1:31:B:LYS:HG3	1:27:B:GLN:HG2	17	1.67
(1,2640)	1:28:B:GLN:HE21	1:50:B:LEU:HG	20	1.67
(1,2639)	1:28:A:GLN:HE21	1:50:A:LEU:HG	20	1.67
(1,2469)	1:86:B:LYS:HA	1:86:B:LYS:HD2	19	1.67
(1,2467)	1:86:B:LYS:HA	1:86:B:LYS:HD2	19	1.67
(1,1082)	1:93:B:ASN:HD21	1:91:B:MET:H	8	1.67
(2,229)	1:93:A:ASN:HD21	1:91:A:MET:H	8	1.66
(2,228)	1:93:B:ASN:HD21	1:89:B:GLY:HA3	6	1.66
(2,51)	1:31:A:LYS:HG3	1:27:A:GLN:HG2	17	1.66
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	8	1.66
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	8	1.66
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	8	1.66
(1,2470)	1:86:A:LYS:HA	1:86:A:LYS:HD2	19	1.66
(1,2468)	1:86:A:LYS:HA	1:86:A:LYS:HD2	19	1.66
(1,1604)	1:93:A:ASN:HD21	1:89:A:GLY:HA3	6	1.66
(1,321)	1:95:B:LEU:HA	1:98:B:ARG:HD2	6	1.66
(1,320)	1:95:A:LEU:HA	1:98:A:ARG:HD2	6	1.66
(1,2947)	1:84:B:PHE:HD1	1:81:B:LEU:HD21	16	1.65
(1,2947)	1:84:B:PHE:HD1	1:81:B:LEU:HD22	16	1.65
(1,2947)	1:84:B:PHE:HD1	1:81:B:LEU:HD23	16	1.65
(1,2947)	1:84:B:PHE:HD2	1:81:B:LEU:HD21	16	1.65
(1,2947)	1:84:B:PHE:HD2	1:81:B:LEU:HD22	16	1.65
(1,2947)	1:84:B:PHE:HD2	1:81:B:LEU:HD23	16	1.65
(1,2946)	1:84:A:PHE:HD1	1:81:A:LEU:HD21	16	1.65
(1,2946)	1:84:A:PHE:HD1	1:81:A:LEU:HD22	16	1.65
(1,2946)	1:84:A:PHE:HD1	1:81:A:LEU:HD23	16	1.65
(1,2946)	1:84:A:PHE:HD2	1:81:A:LEU:HD21	16	1.65
(1,2946)	1:84:A:PHE:HD2	1:81:A:LEU:HD22	16	1.65
(1,2946)	1:84:A:PHE:HD2	1:81:A:LEU:HD23	16	1.65
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD21	13	1.65
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD22	13	1.65
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD23	13	1.65
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD21	13	1.65
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD22	13	1.65
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD23	13	1.65
(1,1945)	1:98:A:ARG:H	1:98:A:ARG:HD3	16	1.65
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD21	11	1.65
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD22	11	1.65
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD23	11	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,661)	1:75:B:SER:H	1:78:B:ILE:HG12	5	1.65
(1,660)	1:75:A:SER:H	1:78:A:ILE:HG12	5	1.65
(1,1944)	1:98:B:ARG:H	1:98:B:ARG:HD3	16	1.64
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD21	11	1.64
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD22	11	1.64
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD23	11	1.64
(1,827)	1:22:A:ARG:HG3	1:27:A:GLN:HA	8	1.64
(1,3250)	1:39:A:GLN:HB3	1:41:A:ARG:HG3	11	1.63
(1,2786)	1:94:B:ILE:HG21	1:74:A:LYS:HD3	10	1.63
(1,2786)	1:94:B:ILE:HG22	1:74:A:LYS:HD3	10	1.63
(1,2786)	1:94:B:ILE:HG23	1:74:A:LYS:HD3	10	1.63
(1,1604)	1:93:A:ASN:HD21	1:89:A:GLY:HA3	19	1.63
(1,481)	1:93:B:ASN:HD21	1:92:B:LEU:H	5	1.63
(1,3251)	1:39:B:GLN:HB3	1:41:B:ARG:HG2	2	1.62
(1,3251)	1:39:B:GLN:HB3	1:41:B:ARG:HG3	11	1.62
(1,2617)	1:96:B:ASN:H	1:98:B:ARG:HD3	14	1.62
(1,2616)	1:96:A:ASN:H	1:98:A:ARG:HD3	14	1.62
(1,2566)	1:62:B:THR:HG21	1:65:B:ILE:HG12	3	1.62
(1,2566)	1:62:B:THR:HG22	1:65:B:ILE:HG12	3	1.62
(1,2566)	1:62:B:THR:HG23	1:65:B:ILE:HG12	3	1.62
(1,2565)	1:62:A:THR:HG21	1:65:A:ILE:HG12	3	1.62
(1,2565)	1:62:A:THR:HG22	1:65:A:ILE:HG12	3	1.62
(1,2565)	1:62:A:THR:HG23	1:65:A:ILE:HG12	3	1.62
(1,1932)	1:61:B:PRO:HG2	1:54:B:LEU:HD21	20	1.62
(1,1932)	1:61:B:PRO:HG2	1:54:B:LEU:HD22	20	1.62
(1,1932)	1:61:B:PRO:HG2	1:54:B:LEU:HD23	20	1.62
(1,1931)	1:61:A:PRO:HG2	1:54:A:LEU:HD21	20	1.62
(1,1931)	1:61:A:PRO:HG2	1:54:A:LEU:HD22	20	1.62
(1,1931)	1:61:A:PRO:HG2	1:54:A:LEU:HD23	20	1.62
(1,3250)	1:39:A:GLN:HB3	1:41:A:ARG:HG2	2	1.61
(1,3230)	1:29:B:LEU:HD21	1:50:B:LEU:HG	2	1.61
(1,3230)	1:29:B:LEU:HD22	1:50:B:LEU:HG	2	1.61
(1,3230)	1:29:B:LEU:HD23	1:50:B:LEU:HG	2	1.61
(1,3229)	1:29:A:LEU:HD21	1:50:A:LEU:HG	2	1.61
(1,3229)	1:29:A:LEU:HD22	1:50:A:LEU:HG	2	1.61
(1,3229)	1:29:A:LEU:HD23	1:50:A:LEU:HG	2	1.61
(1,1590)	1:41:A:ARG:H	1:38:A:LEU:HB3	1	1.61
(2,54)	1:22:B:ARG:HB3	1:24:B:SER:H	1	1.6
(2,54)	1:22:B:ARG:HB2	1:24:B:SER:H	15	1.6
(1,3449)	1:62:A:THR:HB	1:24:A:SER:H	1	1.6
(1,3423)	1:72:A:ILE:HG13	1:71:A:THR:H	2	1.6
(1,3422)	1:72:B:ILE:HG13	1:71:B:THR:H	2	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3258)	1:92:B:LEU:HD21	1:85:A:ARG:HB3	15	1.6
(1,3258)	1:92:B:LEU:HD22	1:85:A:ARG:HB3	15	1.6
(1,3258)	1:92:B:LEU:HD23	1:85:A:ARG:HB3	15	1.6
(1,2470)	1:86:A:LYS:HA	1:86:A:LYS:HD2	11	1.6
(1,2469)	1:86:B:LYS:HA	1:86:B:LYS:HD2	11	1.6
(1,2468)	1:86:A:LYS:HA	1:86:A:LYS:HD2	11	1.6
(1,2467)	1:86:B:LYS:HA	1:86:B:LYS:HD2	11	1.6
(1,1591)	1:41:B:ARG:H	1:38:B:LEU:HB3	1	1.6
(1,1220)	1:22:A:ARG:HB3	1:24:A:SER:H	1	1.6
(1,1220)	1:22:A:ARG:HB2	1:24:A:SER:H	15	1.6
(1,44)	1:95:A:LEU:HA	1:74:B:LYS:HE3	20	1.6
(2,285)	1:92:A:LEU:HD21	1:85:B:ARG:HB3	15	1.59
(2,285)	1:92:A:LEU:HD22	1:85:B:ARG:HB3	15	1.59
(2,285)	1:92:A:LEU:HD23	1:85:B:ARG:HB3	15	1.59
(1,3448)	1:62:B:THR:HB	1:24:B:SER:H	1	1.59
(1,2682)	1:26:A:VAL:HG11	1:22:A:ARG:HG3	17	1.59
(1,2682)	1:26:A:VAL:HG12	1:22:A:ARG:HG3	17	1.59
(1,2682)	1:26:A:VAL:HG13	1:22:A:ARG:HG3	17	1.59
(1,1591)	1:41:B:ARG:H	1:38:B:LEU:HB2	4	1.59
(1,1590)	1:41:A:ARG:H	1:38:A:LEU:HB2	4	1.59
(2,285)	1:92:A:LEU:HD21	1:85:B:ARG:HB3	10	1.58
(2,285)	1:92:A:LEU:HD22	1:85:B:ARG:HB3	10	1.58
(2,285)	1:92:A:LEU:HD23	1:85:B:ARG:HB3	10	1.58
(1,3258)	1:92:B:LEU:HD21	1:85:A:ARG:HB3	10	1.58
(1,3258)	1:92:B:LEU:HD22	1:85:A:ARG:HB3	10	1.58
(1,3258)	1:92:B:LEU:HD23	1:85:A:ARG:HB3	10	1.58
(1,2683)	1:26:B:VAL:HG11	1:22:B:ARG:HG3	17	1.58
(1,2683)	1:26:B:VAL:HG12	1:22:B:ARG:HG3	17	1.58
(1,2683)	1:26:B:VAL:HG13	1:22:B:ARG:HG3	17	1.58
(1,2617)	1:96:B:ASN:H	1:98:B:ARG:HD3	7	1.58
(1,2616)	1:96:A:ASN:H	1:98:A:ARG:HD3	7	1.58
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD11	4	1.58
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD12	4	1.58
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD13	4	1.58
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD11	4	1.58
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD12	4	1.58
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD13	4	1.58
(1,1945)	1:98:A:ARG:H	1:98:A:ARG:HD3	6	1.58
(1,1944)	1:98:B:ARG:H	1:98:B:ARG:HD3	6	1.58
(1,457)	1:26:A:VAL:HA	1:22:A:ARG:HG2	17	1.58
(1,3381)	1:94:A:ILE:HG21	1:100:A:ARG:H	11	1.57
(1,3381)	1:94:A:ILE:HG22	1:100:A:ARG:H	11	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3381)	1:94:A:ILE:HG23	1:100:A:ARG:H	11	1.57
(1,3380)	1:94:B:ILE:HG21	1:100:B:ARG:H	11	1.57
(1,3380)	1:94:B:ILE:HG22	1:100:B:ARG:H	11	1.57
(1,3380)	1:94:B:ILE:HG23	1:100:B:ARG:H	11	1.57
(1,2785)	1:94:A:ILE:HG21	1:74:B:LYS:HD3	10	1.57
(1,2785)	1:94:A:ILE:HG22	1:74:B:LYS:HD3	10	1.57
(1,2785)	1:94:A:ILE:HG23	1:74:B:LYS:HD3	10	1.57
(1,2566)	1:62:B:THR:HG21	1:65:B:ILE:HG12	14	1.57
(1,2566)	1:62:B:THR:HG22	1:65:B:ILE:HG12	14	1.57
(1,2566)	1:62:B:THR:HG23	1:65:B:ILE:HG12	14	1.57
(1,2566)	1:62:B:THR:HG21	1:65:B:ILE:HG12	19	1.57
(1,2566)	1:62:B:THR:HG22	1:65:B:ILE:HG12	19	1.57
(1,2566)	1:62:B:THR:HG23	1:65:B:ILE:HG12	19	1.57
(1,2565)	1:62:A:THR:HG21	1:65:A:ILE:HG12	14	1.57
(1,2565)	1:62:A:THR:HG22	1:65:A:ILE:HG12	14	1.57
(1,2565)	1:62:A:THR:HG23	1:65:A:ILE:HG12	14	1.57
(1,2565)	1:62:A:THR:HG21	1:65:A:ILE:HG12	19	1.57
(1,2565)	1:62:A:THR:HG22	1:65:A:ILE:HG12	19	1.57
(1,2565)	1:62:A:THR:HG23	1:65:A:ILE:HG12	19	1.57
(1,45)	1:95:B:LEU:HA	1:74:A:LYS:HE3	20	1.57
(1,1220)	1:22:A:ARG:HB2	1:24:A:SER:H	11	1.56
(2,54)	1:22:B:ARG:HB2	1:24:B:SER:H	11	1.55
(1,3157)	1:29:B:LEU:HG	1:28:B:GLN:HB2	5	1.55
(1,3156)	1:29:A:LEU:HG	1:28:A:GLN:HB2	5	1.55
(1,2879)	1:62:B:THR:HB	1:22:B:ARG:HB3	10	1.55
(1,2680)	1:95:A:LEU:HB2	1:74:B:LYS:HD3	2	1.55
(1,1662)	1:78:B:ILE:HG21	1:79:B:ASN:HD22	18	1.55
(1,1662)	1:78:B:ILE:HG22	1:79:B:ASN:HD22	18	1.55
(1,1662)	1:78:B:ILE:HG23	1:79:B:ASN:HD22	18	1.55
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD21	11	1.55
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD22	11	1.55
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD23	11	1.55
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD21	11	1.55
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD22	11	1.55
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD23	11	1.55
(2,285)	1:92:A:LEU:HD21	1:85:B:ARG:HB3	2	1.54
(2,285)	1:92:A:LEU:HD22	1:85:B:ARG:HB3	2	1.54
(2,285)	1:92:A:LEU:HD23	1:85:B:ARG:HB3	2	1.54
(1,2976)	1:22:A:ARG:HG3	1:30:A:THR:HB	17	1.54
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD21	18	1.54
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD22	18	1.54
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD23	18	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD21	18	1.54
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD22	18	1.54
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD23	18	1.54
(2,228)	1:93:B:ASN:HD21	1:89:B:GLY:HA2	19	1.53
(2,98)	1:78:A:ILE:HG21	1:79:A:ASN:HD22	18	1.53
(2,98)	1:78:A:ILE:HG22	1:79:A:ASN:HD22	18	1.53
(2,98)	1:78:A:ILE:HG23	1:79:A:ASN:HD22	18	1.53
(1,3258)	1:92:B:LEU:HD21	1:85:A:ARG:HB3	2	1.53
(1,3258)	1:92:B:LEU:HD22	1:85:A:ARG:HB3	2	1.53
(1,3258)	1:92:B:LEU:HD23	1:85:A:ARG:HB3	2	1.53
(1,2977)	1:22:B:ARG:HG3	1:30:B:THR:HB	17	1.53
(1,2681)	1:95:B:LEU:HB2	1:74:A:LYS:HD3	10	1.53
(1,417)	1:57:B:LEU:HD21	1:59:B:ILE:H	3	1.53
(1,417)	1:57:B:LEU:HD22	1:59:B:ILE:H	3	1.53
(1,417)	1:57:B:LEU:HD23	1:59:B:ILE:H	3	1.53
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG21	8	1.52
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG22	8	1.52
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG23	8	1.52
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG21	8	1.52
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG22	8	1.52
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG23	8	1.52
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG21	8	1.52
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG22	8	1.52
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG23	8	1.52
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG21	8	1.52
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG22	8	1.52
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG23	8	1.52
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG21	8	1.52
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG22	8	1.52
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG23	8	1.52
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG21	8	1.52
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG22	8	1.52
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG23	8	1.52
(1,2976)	1:22:A:ARG:HG3	1:30:A:THR:HB	8	1.52
(1,2681)	1:95:B:LEU:HB2	1:74:A:LYS:HD3	2	1.52
(1,2680)	1:95:A:LEU:HB2	1:74:B:LYS:HD3	10	1.52
(1,2566)	1:62:B:THR:HG21	1:65:B:ILE:HG12	20	1.51
(1,2566)	1:62:B:THR:HG22	1:65:B:ILE:HG12	20	1.51
(1,2566)	1:62:B:THR:HG23	1:65:B:ILE:HG12	20	1.51
(1,2059)	1:57:B:LEU:HD21	1:46:A:LEU:H	4	1.51
(1,2059)	1:57:B:LEU:HD22	1:46:A:LEU:H	4	1.51
(1,2059)	1:57:B:LEU:HD23	1:46:A:LEU:H	4	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD11	9	1.51
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD12	9	1.51
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD13	9	1.51
(1,1188)	1:75:A:SER:HB3	1:73:A:LYS:HE3	11	1.51
(1,2565)	1:62:A:THR:HG21	1:65:A:ILE:HG12	20	1.5
(1,2565)	1:62:A:THR:HG22	1:65:A:ILE:HG12	20	1.5
(1,2565)	1:62:A:THR:HG23	1:65:A:ILE:HG12	20	1.5
(1,1945)	1:98:A:ARG:H	1:98:A:ARG:HD3	12	1.5
(1,1944)	1:98:B:ARG:H	1:98:B:ARG:HD3	12	1.5
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD21	16	1.5
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD22	16	1.5
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD23	16	1.5
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD21	16	1.5
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD22	16	1.5
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD23	16	1.5
(2,58)	1:62:B:THR:HG21	1:24:B:SER:HB2	1	1.49
(2,58)	1:62:B:THR:HG22	1:24:B:SER:HB2	1	1.49
(2,58)	1:62:B:THR:HG23	1:24:B:SER:HB2	1	1.49
(1,2480)	1:87:B:GLU:HA	1:86:B:LYS:HG3	19	1.49
(1,2065)	1:62:A:THR:HG21	1:24:A:SER:HB2	1	1.49
(1,2065)	1:62:A:THR:HG22	1:24:A:SER:HB2	1	1.49
(1,2065)	1:62:A:THR:HG23	1:24:A:SER:HB2	1	1.49
(1,1189)	1:75:B:SER:HB3	1:73:B:LYS:HE3	11	1.49
(1,481)	1:93:B:ASN:HD21	1:92:B:LEU:H	8	1.49
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	7	1.48
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	7	1.48
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	7	1.48
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	16	1.48
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	16	1.48
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	16	1.48
(1,3076)	1:99:B:ARG:H	1:97:B:ARG:HG3	7	1.48
(1,2804)	1:26:A:VAL:HG11	1:22:A:ARG:HG2	17	1.48
(1,2804)	1:26:A:VAL:HG12	1:22:A:ARG:HG2	17	1.48
(1,2804)	1:26:A:VAL:HG13	1:22:A:ARG:HG2	17	1.48
(1,2479)	1:87:A:GLU:HA	1:86:A:LYS:HG3	19	1.48
(1,3258)	1:92:B:LEU:HD21	1:85:A:ARG:HB3	16	1.47
(1,3258)	1:92:B:LEU:HD22	1:85:A:ARG:HB3	16	1.47
(1,3258)	1:92:B:LEU:HD23	1:85:A:ARG:HB3	16	1.47
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	14	1.47
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	14	1.47
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	14	1.47
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	15	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	15	1.47
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	15	1.47
(1,3120)	1:57:B:LEU:HD11	1:46:A:LEU:HD11	19	1.47
(1,3120)	1:57:B:LEU:HD11	1:46:A:LEU:HD12	19	1.47
(1,3120)	1:57:B:LEU:HD11	1:46:A:LEU:HD13	19	1.47
(1,3120)	1:57:B:LEU:HD12	1:46:A:LEU:HD11	19	1.47
(1,3120)	1:57:B:LEU:HD12	1:46:A:LEU:HD12	19	1.47
(1,3120)	1:57:B:LEU:HD12	1:46:A:LEU:HD13	19	1.47
(1,3120)	1:57:B:LEU:HD13	1:46:A:LEU:HD11	19	1.47
(1,3120)	1:57:B:LEU:HD13	1:46:A:LEU:HD12	19	1.47
(1,3120)	1:57:B:LEU:HD13	1:46:A:LEU:HD13	19	1.47
(1,2566)	1:62:B:THR:HG21	1:65:B:ILE:HG12	13	1.47
(1,2566)	1:62:B:THR:HG22	1:65:B:ILE:HG12	13	1.47
(1,2566)	1:62:B:THR:HG23	1:65:B:ILE:HG12	13	1.47
(1,2565)	1:62:A:THR:HG21	1:65:A:ILE:HG12	13	1.47
(1,2565)	1:62:A:THR:HG22	1:65:A:ILE:HG12	13	1.47
(1,2565)	1:62:A:THR:HG23	1:65:A:ILE:HG12	13	1.47
(1,1458)	1:28:B:GLN:H	1:25:B:THR:H	3	1.47
(1,1457)	1:28:A:GLN:H	1:25:A:THR:H	3	1.47
(2,285)	1:92:A:LEU:HD21	1:85:B:ARG:HB3	1	1.46
(2,285)	1:92:A:LEU:HD22	1:85:B:ARG:HB3	1	1.46
(2,285)	1:92:A:LEU:HD23	1:85:B:ARG:HB3	1	1.46
(2,200)	1:31:B:LYS:HG2	1:29:B:LEU:H	17	1.46
(1,3423)	1:72:A:ILE:HG13	1:71:A:THR:H	5	1.46
(1,3258)	1:92:B:LEU:HD21	1:85:A:ARG:HB3	1	1.46
(1,3258)	1:92:B:LEU:HD22	1:85:A:ARG:HB3	1	1.46
(1,3258)	1:92:B:LEU:HD23	1:85:A:ARG:HB3	1	1.46
(1,2566)	1:62:B:THR:HG21	1:65:B:ILE:HG12	16	1.46
(1,2566)	1:62:B:THR:HG22	1:65:B:ILE:HG12	16	1.46
(1,2566)	1:62:B:THR:HG23	1:65:B:ILE:HG12	16	1.46
(1,2565)	1:62:A:THR:HG21	1:65:A:ILE:HG12	16	1.46
(1,2565)	1:62:A:THR:HG22	1:65:A:ILE:HG12	16	1.46
(1,2565)	1:62:A:THR:HG23	1:65:A:ILE:HG12	16	1.46
(1,1821)	1:31:A:LYS:HG2	1:29:A:LEU:H	17	1.46
(1,1615)	1:96:A:ASN:HD22	1:97:A:ARG:HG2	10	1.46
(1,3422)	1:72:B:ILE:HG13	1:71:B:THR:H	5	1.45
(1,2566)	1:62:B:THR:HG21	1:65:B:ILE:HG12	4	1.45
(1,2566)	1:62:B:THR:HG22	1:65:B:ILE:HG12	4	1.45
(1,2566)	1:62:B:THR:HG23	1:65:B:ILE:HG12	4	1.45
(1,2566)	1:62:B:THR:HG21	1:65:B:ILE:HG12	18	1.45
(1,2566)	1:62:B:THR:HG22	1:65:B:ILE:HG12	18	1.45
(1,2566)	1:62:B:THR:HG23	1:65:B:ILE:HG12	18	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2565)	1:62:A:THR:HG21	1:65:A:ILE:HG12	4	1.45
(1,2565)	1:62:A:THR:HG22	1:65:A:ILE:HG12	4	1.45
(1,2565)	1:62:A:THR:HG23	1:65:A:ILE:HG12	4	1.45
(1,2565)	1:62:A:THR:HG21	1:65:A:ILE:HG12	18	1.45
(1,2565)	1:62:A:THR:HG22	1:65:A:ILE:HG12	18	1.45
(1,2565)	1:62:A:THR:HG23	1:65:A:ILE:HG12	18	1.45
(1,2480)	1:87:B:GLU:HA	1:86:B:LYS:HG3	11	1.45
(1,1614)	1:96:B:ASN:HD22	1:97:B:ARG:HG2	10	1.45
(1,212)	1:83:B:GLY:HA2	1:87:B:GLU:HG2	3	1.45
(2,285)	1:92:A:LEU:HD21	1:85:B:ARG:HB3	14	1.44
(2,285)	1:92:A:LEU:HD22	1:85:B:ARG:HB3	14	1.44
(2,285)	1:92:A:LEU:HD23	1:85:B:ARG:HB3	14	1.44
(2,285)	1:92:A:LEU:HD21	1:85:B:ARG:HB3	16	1.44
(2,285)	1:92:A:LEU:HD22	1:85:B:ARG:HB3	16	1.44
(2,285)	1:92:A:LEU:HD23	1:85:B:ARG:HB3	16	1.44
(1,3258)	1:92:B:LEU:HD21	1:85:A:ARG:HB3	14	1.44
(1,3258)	1:92:B:LEU:HD22	1:85:A:ARG:HB3	14	1.44
(1,3258)	1:92:B:LEU:HD23	1:85:A:ARG:HB3	14	1.44
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	6	1.44
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	6	1.44
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	6	1.44
(1,2556)	1:94:B:ILE:HG21	1:74:A:LYS:HE2	4	1.44
(1,2556)	1:94:B:ILE:HG22	1:74:A:LYS:HE2	4	1.44
(1,2556)	1:94:B:ILE:HG23	1:74:A:LYS:HE2	4	1.44
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD11	17	1.44
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD12	17	1.44
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD13	17	1.44
(1,2479)	1:87:A:GLU:HA	1:86:A:LYS:HG3	11	1.44
(1,1869)	1:22:A:ARG:HG2	1:21:A:ASN:HA	2	1.44
(1,773)	1:30:A:THR:HG21	1:27:A:GLN:HA	17	1.44
(1,773)	1:30:A:THR:HG22	1:27:A:GLN:HA	17	1.44
(1,773)	1:30:A:THR:HG23	1:27:A:GLN:HA	17	1.44
(1,772)	1:30:B:THR:HG21	1:27:B:GLN:HA	17	1.44
(1,772)	1:30:B:THR:HG22	1:27:B:GLN:HA	17	1.44
(1,772)	1:30:B:THR:HG23	1:27:B:GLN:HA	17	1.44
(1,697)	1:26:A:VAL:HG21	1:64:A:GLY:H	13	1.44
(1,697)	1:26:A:VAL:HG22	1:64:A:GLY:H	13	1.44
(1,697)	1:26:A:VAL:HG23	1:64:A:GLY:H	13	1.44
(1,481)	1:93:B:ASN:HD21	1:92:B:LEU:H	1	1.44
(1,213)	1:83:A:GLY:HA2	1:87:A:GLU:HG2	3	1.44
(1,155)	1:71:B:THR:HG21	1:42:B:GLY:HA2	18	1.44
(1,155)	1:71:B:THR:HG22	1:42:B:GLY:HA2	18	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:71:B:THR:HG23	1:42:B:GLY:HA2	18	1.44
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	12	1.43
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	12	1.43
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	12	1.43
(1,154)	1:71:A:THR:HG21	1:42:A:GLY:HA2	18	1.43
(1,154)	1:71:A:THR:HG22	1:42:A:GLY:HA2	18	1.43
(1,154)	1:71:A:THR:HG23	1:42:A:GLY:HA2	18	1.43
(1,3309)	1:72:B:ILE:HG12	1:47:B:PHE:HB2	3	1.42
(1,3308)	1:72:A:ILE:HG12	1:47:A:PHE:HB2	3	1.42
(1,2255)	1:57:B:LEU:HD11	1:45:A:LYS:HE3	1	1.42
(1,2255)	1:57:B:LEU:HD12	1:45:A:LYS:HE3	1	1.42
(1,2255)	1:57:B:LEU:HD13	1:45:A:LYS:HE3	1	1.42
(1,1944)	1:98:B:ARG:H	1:98:B:ARG:HD3	14	1.42
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD21	2	1.42
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD22	2	1.42
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD23	2	1.42
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD21	2	1.42
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD22	2	1.42
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD23	2	1.42
(1,1070)	1:22:A:ARG:HG2	1:30:A:THR:HB	8	1.42
(1,157)	1:78:A:ILE:HG21	1:96:B:ASN:HD22	12	1.42
(1,157)	1:78:A:ILE:HG22	1:96:B:ASN:HD22	12	1.42
(1,157)	1:78:A:ILE:HG23	1:96:B:ASN:HD22	12	1.42
(2,337)	1:21:B:ASN:HB2	1:23:B:VAL:H	17	1.41
(2,285)	1:92:A:LEU:HD21	1:85:B:ARG:HB3	19	1.41
(2,285)	1:92:A:LEU:HD22	1:85:B:ARG:HB3	19	1.41
(2,285)	1:92:A:LEU:HD23	1:85:B:ARG:HB3	19	1.41
(2,41)	1:31:A:LYS:HG2	1:28:A:GLN:H	17	1.41
(1,3325)	1:76:A:LYS:H	1:76:A:LYS:HG3	5	1.41
(1,3324)	1:76:B:LYS:H	1:76:B:LYS:HG3	5	1.41
(1,3258)	1:92:B:LEU:HD21	1:85:A:ARG:HB3	19	1.41
(1,3258)	1:92:B:LEU:HD22	1:85:A:ARG:HB3	19	1.41
(1,3258)	1:92:B:LEU:HD23	1:85:A:ARG:HB3	19	1.41
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	20	1.41
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	20	1.41
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	20	1.41
(1,3161)	1:43:A:PRO:HD2	1:46:A:LEU:HD11	1	1.41
(1,3161)	1:43:A:PRO:HD2	1:46:A:LEU:HD12	1	1.41
(1,3161)	1:43:A:PRO:HD2	1:46:A:LEU:HD13	1	1.41
(1,3160)	1:43:B:PRO:HD2	1:46:B:LEU:HD11	1	1.41
(1,3160)	1:43:B:PRO:HD2	1:46:B:LEU:HD12	1	1.41
(1,3160)	1:43:B:PRO:HD2	1:46:B:LEU:HD13	1	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2470)	1:86:A:LYS:HA	1:86:A:LYS:HD2	13	1.41
(1,2469)	1:86:B:LYS:HA	1:86:B:LYS:HD2	13	1.41
(1,2468)	1:86:A:LYS:HA	1:86:A:LYS:HD2	13	1.41
(1,2467)	1:86:B:LYS:HA	1:86:B:LYS:HD2	13	1.41
(1,1945)	1:98:A:ARG:H	1:98:A:ARG:HD3	14	1.41
(1,1662)	1:78:B:ILE:HG21	1:79:B:ASN:HD22	11	1.41
(1,1662)	1:78:B:ILE:HG22	1:79:B:ASN:HD22	11	1.41
(1,1662)	1:78:B:ILE:HG23	1:79:B:ASN:HD22	11	1.41
(1,1071)	1:22:B:ARG:HG2	1:30:B:THR:HB	8	1.41
(1,938)	1:87:B:GLU:HA	1:90:B:ARG:HD2	8	1.41
(1,157)	1:78:A:ILE:HG21	1:96:B:ASN:HD22	9	1.41
(1,157)	1:78:A:ILE:HG22	1:96:B:ASN:HD22	9	1.41
(1,157)	1:78:A:ILE:HG23	1:96:B:ASN:HD22	9	1.41
(2,98)	1:78:A:ILE:HG21	1:79:A:ASN:HD22	11	1.4
(2,98)	1:78:A:ILE:HG22	1:79:A:ASN:HD22	11	1.4
(2,98)	1:78:A:ILE:HG23	1:79:A:ASN:HD22	11	1.4
(1,3202)	1:41:B:ARG:HB3	1:47:B:PHE:HB3	3	1.4
(1,3201)	1:41:A:ARG:HB3	1:47:A:PHE:HB3	3	1.4
(1,2557)	1:94:A:ILE:HG21	1:74:B:LYS:HE2	4	1.4
(1,2557)	1:94:A:ILE:HG22	1:74:B:LYS:HE2	4	1.4
(1,2557)	1:94:A:ILE:HG23	1:74:B:LYS:HE2	4	1.4
(1,2256)	1:57:A:LEU:HD11	1:45:B:LYS:HE3	1	1.4
(1,2256)	1:57:A:LEU:HD12	1:45:B:LYS:HE3	1	1.4
(1,2256)	1:57:A:LEU:HD13	1:45:B:LYS:HE3	1	1.4
(1,1374)	1:80:A:VAL:HG21	1:48:A:MET:H	8	1.4
(1,1374)	1:80:A:VAL:HG22	1:48:A:MET:H	8	1.4
(1,1374)	1:80:A:VAL:HG23	1:48:A:MET:H	8	1.4
(1,939)	1:87:A:GLU:HA	1:90:A:ARG:HD2	8	1.4
(1,782)	1:21:A:ASN:HB2	1:23:A:VAL:H	17	1.4
(1,481)	1:93:B:ASN:HD21	1:92:B:LEU:H	14	1.4
(1,213)	1:83:A:GLY:HA2	1:87:A:GLU:HG2	5	1.4
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	18	1.39
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	18	1.39
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	18	1.39
(1,1498)	1:94:A:ILE:HA	1:99:A:ARG:HD3	12	1.39
(1,1497)	1:94:B:ILE:HA	1:99:B:ARG:HD3	12	1.39
(1,156)	1:78:B:ILE:HG21	1:96:A:ASN:HD22	9	1.39
(1,156)	1:78:B:ILE:HG22	1:96:A:ASN:HD22	9	1.39
(1,156)	1:78:B:ILE:HG23	1:96:A:ASN:HD22	9	1.39
(1,156)	1:78:B:ILE:HG21	1:96:A:ASN:HD22	12	1.39
(1,156)	1:78:B:ILE:HG22	1:96:A:ASN:HD22	12	1.39
(1,156)	1:78:B:ILE:HG23	1:96:A:ASN:HD22	12	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,285)	1:92:A:LEU:HD21	1:85:B:ARG:HB3	20	1.38
(2,285)	1:92:A:LEU:HD22	1:85:B:ARG:HB3	20	1.38
(2,285)	1:92:A:LEU:HD23	1:85:B:ARG:HB3	20	1.38
(1,3381)	1:94:A:ILE:HG21	1:100:A:ARG:H	1	1.38
(1,3381)	1:94:A:ILE:HG22	1:100:A:ARG:H	1	1.38
(1,3381)	1:94:A:ILE:HG23	1:100:A:ARG:H	1	1.38
(1,3380)	1:94:B:ILE:HG21	1:100:B:ARG:H	1	1.38
(1,3380)	1:94:B:ILE:HG22	1:100:B:ARG:H	1	1.38
(1,3380)	1:94:B:ILE:HG23	1:100:B:ARG:H	1	1.38
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	13	1.38
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	13	1.38
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	13	1.38
(1,697)	1:26:A:VAL:HG21	1:64:A:GLY:H	14	1.38
(1,697)	1:26:A:VAL:HG22	1:64:A:GLY:H	14	1.38
(1,697)	1:26:A:VAL:HG23	1:64:A:GLY:H	14	1.38
(1,212)	1:83:B:GLY:HA2	1:87:B:GLU:HG2	5	1.38
(2,347)	1:24:A:SER:HB2	1:27:A:GLN:HB3	3	1.37
(2,285)	1:92:A:LEU:HD21	1:85:B:ARG:HB3	7	1.37
(2,285)	1:92:A:LEU:HD22	1:85:B:ARG:HB3	7	1.37
(2,285)	1:92:A:LEU:HD23	1:85:B:ARG:HB3	7	1.37
(1,3377)	1:74:A:LYS:HG3	1:73:A:LYS:HA	17	1.37
(1,3258)	1:92:B:LEU:HD21	1:85:A:ARG:HB3	7	1.37
(1,3258)	1:92:B:LEU:HD22	1:85:A:ARG:HB3	7	1.37
(1,3258)	1:92:B:LEU:HD23	1:85:A:ARG:HB3	7	1.37
(1,3258)	1:92:B:LEU:HD21	1:85:A:ARG:HB3	20	1.37
(1,3258)	1:92:B:LEU:HD22	1:85:A:ARG:HB3	20	1.37
(1,3258)	1:92:B:LEU:HD23	1:85:A:ARG:HB3	20	1.37
(1,3076)	1:99:B:ARG:H	1:97:B:ARG:HG3	13	1.37
(1,3009)	1:23:A:VAL:HB	1:22:A:ARG:HB3	17	1.37
(1,3008)	1:23:B:VAL:HB	1:22:B:ARG:HB3	17	1.37
(1,2824)	1:38:B:LEU:HA	1:41:B:ARG:HG3	15	1.37
(1,2823)	1:38:A:LEU:HA	1:41:A:ARG:HG3	15	1.37
(1,1945)	1:98:A:ARG:H	1:98:A:ARG:HD3	7	1.37
(1,1944)	1:98:B:ARG:H	1:98:B:ARG:HD3	7	1.37
(1,157)	1:78:A:ILE:HG21	1:96:B:ASN:HD22	15	1.37
(1,157)	1:78:A:ILE:HG22	1:96:B:ASN:HD22	15	1.37
(1,157)	1:78:A:ILE:HG23	1:96:B:ASN:HD22	15	1.37
(2,363)	1:24:B:SER:HB2	1:27:B:GLN:HB3	3	1.36
(1,3376)	1:74:B:LYS:HG3	1:73:B:LYS:HA	17	1.36
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	4	1.36
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	4	1.36
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	4	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2566)	1:62:B:THR:HG21	1:65:B:ILE:HG12	1	1.36
(1,2566)	1:62:B:THR:HG22	1:65:B:ILE:HG12	1	1.36
(1,2566)	1:62:B:THR:HG23	1:65:B:ILE:HG12	1	1.36
(1,2565)	1:62:A:THR:HG21	1:65:A:ILE:HG12	1	1.36
(1,2565)	1:62:A:THR:HG22	1:65:A:ILE:HG12	1	1.36
(1,2565)	1:62:A:THR:HG23	1:65:A:ILE:HG12	1	1.36
(1,2120)	1:51:A:VAL:HG11	1:52:A:ALA:HA	16	1.36
(1,2120)	1:51:A:VAL:HG12	1:52:A:ALA:HA	16	1.36
(1,2120)	1:51:A:VAL:HG13	1:52:A:ALA:HA	16	1.36
(1,2119)	1:51:B:VAL:HG11	1:52:B:ALA:HA	16	1.36
(1,2119)	1:51:B:VAL:HG12	1:52:B:ALA:HA	16	1.36
(1,2119)	1:51:B:VAL:HG13	1:52:B:ALA:HA	16	1.36
(1,1482)	1:41:B:ARG:H	1:39:B:GLN:H	10	1.36
(1,1481)	1:41:A:ARG:H	1:39:A:GLN:H	10	1.36
(1,154)	1:71:A:THR:HG21	1:42:A:GLY:HA2	4	1.36
(1,154)	1:71:A:THR:HG22	1:42:A:GLY:HA2	4	1.36
(1,154)	1:71:A:THR:HG23	1:42:A:GLY:HA2	4	1.36
(1,3258)	1:92:B:LEU:HD21	1:85:A:ARG:HB3	17	1.35
(1,3258)	1:92:B:LEU:HD22	1:85:A:ARG:HB3	17	1.35
(1,3258)	1:92:B:LEU:HD23	1:85:A:ARG:HB3	17	1.35
(1,2566)	1:62:B:THR:HG21	1:65:B:ILE:HG12	9	1.35
(1,2566)	1:62:B:THR:HG22	1:65:B:ILE:HG12	9	1.35
(1,2566)	1:62:B:THR:HG23	1:65:B:ILE:HG12	9	1.35
(1,2565)	1:62:A:THR:HG21	1:65:A:ILE:HG12	9	1.35
(1,2565)	1:62:A:THR:HG22	1:65:A:ILE:HG12	9	1.35
(1,2565)	1:62:A:THR:HG23	1:65:A:ILE:HG12	9	1.35
(1,155)	1:71:B:THR:HG21	1:42:B:GLY:HA2	4	1.35
(1,155)	1:71:B:THR:HG22	1:42:B:GLY:HA2	4	1.35
(1,155)	1:71:B:THR:HG23	1:42:B:GLY:HA2	4	1.35
(1,2479)	1:87:A:GLU:HA	1:86:A:LYS:HG3	2	1.34
(1,2397)	1:90:A:ARG:H	1:90:A:ARG:HD3	4	1.34
(1,2396)	1:90:B:ARG:H	1:90:B:ARG:HD3	4	1.34
(1,216)	1:77:B:ALA:HB1	1:48:B:MET:HG2	9	1.34
(1,216)	1:77:B:ALA:HB2	1:48:B:MET:HG2	9	1.34
(1,216)	1:77:B:ALA:HB3	1:48:B:MET:HG2	9	1.34
(1,215)	1:77:A:ALA:HB1	1:48:A:MET:HG2	9	1.34
(1,215)	1:77:A:ALA:HB2	1:48:A:MET:HG2	9	1.34
(1,215)	1:77:A:ALA:HB3	1:48:A:MET:HG2	9	1.34
(2,30)	1:39:A:GLN:HB2	1:41:A:ARG:HD2	5	1.33
(1,3377)	1:74:A:LYS:HG3	1:73:A:LYS:HA	19	1.33
(1,3376)	1:74:B:LYS:HG3	1:73:B:LYS:HA	19	1.33
(1,3361)	1:51:B:VAL:HG11	1:65:B:ILE:HG13	6	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3361)	1:51:B:VAL:HG12	1:65:B:ILE:HG13	6	1.33
(1,3361)	1:51:B:VAL:HG13	1:65:B:ILE:HG13	6	1.33
(1,3361)	1:51:B:VAL:HG11	1:65:B:ILE:HG13	10	1.33
(1,3361)	1:51:B:VAL:HG12	1:65:B:ILE:HG13	10	1.33
(1,3361)	1:51:B:VAL:HG13	1:65:B:ILE:HG13	10	1.33
(1,3360)	1:51:A:VAL:HG11	1:65:A:ILE:HG13	6	1.33
(1,3360)	1:51:A:VAL:HG12	1:65:A:ILE:HG13	6	1.33
(1,3360)	1:51:A:VAL:HG13	1:65:A:ILE:HG13	6	1.33
(1,3360)	1:51:A:VAL:HG11	1:65:A:ILE:HG13	10	1.33
(1,3360)	1:51:A:VAL:HG12	1:65:A:ILE:HG13	10	1.33
(1,3360)	1:51:A:VAL:HG13	1:65:A:ILE:HG13	10	1.33
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	19	1.33
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	19	1.33
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	19	1.33
(1,3076)	1:99:B:ARG:H	1:97:B:ARG:HG3	5	1.33
(1,2480)	1:87:B:GLU:HA	1:86:B:LYS:HG3	2	1.33
(1,2480)	1:87:B:GLU:HA	1:86:B:LYS:HG3	13	1.33
(1,2479)	1:87:A:GLU:HA	1:86:A:LYS:HG3	13	1.33
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD21	16	1.33
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD22	16	1.33
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD23	16	1.33
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD21	16	1.33
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD22	16	1.33
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD23	16	1.33
(1,1235)	1:25:A:THR:HG21	1:28:A:GLN:HE22	14	1.33
(1,1235)	1:25:A:THR:HG22	1:28:A:GLN:HE22	14	1.33
(1,1235)	1:25:A:THR:HG23	1:28:A:GLN:HE22	14	1.33
(1,321)	1:95:B:LEU:HA	1:98:B:ARG:HD2	3	1.33
(1,320)	1:95:A:LEU:HA	1:98:A:ARG:HD2	3	1.33
(1,276)	1:41:B:ARG:HB2	1:71:B:THR:HB	2	1.33
(1,275)	1:41:A:ARG:HB2	1:71:A:THR:HB	2	1.33
(1,187)	1:39:B:GLN:HB2	1:41:B:ARG:HD2	5	1.33
(2,285)	1:92:A:LEU:HD21	1:85:B:ARG:HB3	18	1.32
(2,285)	1:92:A:LEU:HD22	1:85:B:ARG:HB3	18	1.32
(2,285)	1:92:A:LEU:HD23	1:85:B:ARG:HB3	18	1.32
(2,47)	1:41:A:ARG:HG2	1:47:A:PHE:H	9	1.32
(1,2973)	1:62:B:THR:HG21	1:23:B:VAL:HG21	6	1.32
(1,2973)	1:62:B:THR:HG21	1:23:B:VAL:HG22	6	1.32
(1,2973)	1:62:B:THR:HG21	1:23:B:VAL:HG23	6	1.32
(1,2973)	1:62:B:THR:HG22	1:23:B:VAL:HG21	6	1.32
(1,2973)	1:62:B:THR:HG22	1:23:B:VAL:HG22	6	1.32
(1,2973)	1:62:B:THR:HG22	1:23:B:VAL:HG23	6	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2973)	1:62:B:THR:HG23	1:23:B:VAL:HG21	6	1.32
(1,2973)	1:62:B:THR:HG23	1:23:B:VAL:HG22	6	1.32
(1,2973)	1:62:B:THR:HG23	1:23:B:VAL:HG23	6	1.32
(1,2609)	1:41:B:ARG:HG2	1:47:B:PHE:H	9	1.32
(1,2096)	1:23:B:VAL:HG11	1:24:B:SER:H	1	1.32
(1,2096)	1:23:B:VAL:HG12	1:24:B:SER:H	1	1.32
(1,2096)	1:23:B:VAL:HG13	1:24:B:SER:H	1	1.32
(1,1236)	1:25:B:THR:HG21	1:28:B:GLN:HE22	14	1.32
(1,1236)	1:25:B:THR:HG22	1:28:B:GLN:HE22	14	1.32
(1,1236)	1:25:B:THR:HG23	1:28:B:GLN:HE22	14	1.32
(1,719)	1:44:A:LEU:HD11	1:73:A:LYS:H	10	1.32
(1,719)	1:44:A:LEU:HD12	1:73:A:LYS:H	10	1.32
(1,719)	1:44:A:LEU:HD13	1:73:A:LYS:H	10	1.32
(1,718)	1:44:B:LEU:HD11	1:73:B:LYS:H	10	1.32
(1,718)	1:44:B:LEU:HD12	1:73:B:LYS:H	10	1.32
(1,718)	1:44:B:LEU:HD13	1:73:B:LYS:H	10	1.32
(1,481)	1:93:B:ASN:HD21	1:92:B:LEU:H	6	1.32
(1,156)	1:78:B:ILE:HG21	1:96:A:ASN:HD22	15	1.32
(1,156)	1:78:B:ILE:HG22	1:96:A:ASN:HD22	15	1.32
(1,156)	1:78:B:ILE:HG23	1:96:A:ASN:HD22	15	1.32
(2,285)	1:92:A:LEU:HD21	1:85:B:ARG:HB3	4	1.31
(2,285)	1:92:A:LEU:HD22	1:85:B:ARG:HB3	4	1.31
(2,285)	1:92:A:LEU:HD23	1:85:B:ARG:HB3	4	1.31
(2,285)	1:92:A:LEU:HD21	1:85:B:ARG:HB3	17	1.31
(2,285)	1:92:A:LEU:HD22	1:85:B:ARG:HB3	17	1.31
(2,285)	1:92:A:LEU:HD23	1:85:B:ARG:HB3	17	1.31
(1,3383)	1:87:A:GLU:HB3	1:55:B:ARG:HG3	4	1.31
(1,3258)	1:92:B:LEU:HD21	1:85:A:ARG:HB3	4	1.31
(1,3258)	1:92:B:LEU:HD22	1:85:A:ARG:HB3	4	1.31
(1,3258)	1:92:B:LEU:HD23	1:85:A:ARG:HB3	4	1.31
(1,2668)	1:88:A:ILE:HA	1:52:B:ALA:HA	20	1.31
(1,2617)	1:96:B:ASN:H	1:98:B:ARG:HD3	2	1.31
(1,2616)	1:96:A:ASN:H	1:98:A:ARG:HD3	2	1.31
(1,2566)	1:62:B:THR:HG21	1:65:B:ILE:HG12	7	1.31
(1,2566)	1:62:B:THR:HG22	1:65:B:ILE:HG12	7	1.31
(1,2566)	1:62:B:THR:HG23	1:65:B:ILE:HG12	7	1.31
(1,2565)	1:62:A:THR:HG21	1:65:A:ILE:HG12	7	1.31
(1,2565)	1:62:A:THR:HG22	1:65:A:ILE:HG12	7	1.31
(1,2565)	1:62:A:THR:HG23	1:65:A:ILE:HG12	7	1.31
(1,2470)	1:86:A:LYS:HA	1:86:A:LYS:HD2	2	1.31
(1,2469)	1:86:B:LYS:HA	1:86:B:LYS:HD2	2	1.31
(1,2468)	1:86:A:LYS:HA	1:86:A:LYS:HD2	2	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2467)	1:86:B:LYS:HA	1:86:B:LYS:HD2	2	1.31
(1,1189)	1:75:B:SER:HB3	1:73:B:LYS:HE3	20	1.31
(1,550)	1:25:B:THR:H	1:29:B:LEU:H	3	1.31
(2,98)	1:78:A:ILE:HG21	1:79:A:ASN:HD22	13	1.3
(2,98)	1:78:A:ILE:HG22	1:79:A:ASN:HD22	13	1.3
(2,98)	1:78:A:ILE:HG23	1:79:A:ASN:HD22	13	1.3
(2,69)	1:63:B:ALA:HB1	1:67:B:LYS:HD3	16	1.3
(2,69)	1:63:B:ALA:HB2	1:67:B:LYS:HD3	16	1.3
(2,69)	1:63:B:ALA:HB3	1:67:B:LYS:HD3	16	1.3
(1,3382)	1:87:B:GLU:HB3	1:55:A:ARG:HG3	4	1.3
(1,3376)	1:74:B:LYS:HG3	1:73:B:LYS:HA	1	1.3
(1,2703)	1:55:A:ARG:HB3	1:52:A:ALA:HA	7	1.3
(1,2702)	1:55:B:ARG:HB3	1:52:B:ALA:HA	7	1.3
(1,2041)	1:71:B:THR:HG21	1:43:B:PRO:HD2	3	1.3
(1,2041)	1:71:B:THR:HG22	1:43:B:PRO:HD2	3	1.3
(1,2041)	1:71:B:THR:HG23	1:43:B:PRO:HD2	3	1.3
(1,2040)	1:71:A:THR:HG21	1:43:A:PRO:HD2	3	1.3
(1,2040)	1:71:A:THR:HG22	1:43:A:PRO:HD2	3	1.3
(1,2040)	1:71:A:THR:HG23	1:43:A:PRO:HD2	3	1.3
(1,1188)	1:75:A:SER:HB3	1:73:A:LYS:HE3	20	1.3
(1,551)	1:25:A:THR:H	1:29:A:LEU:H	3	1.3
(2,283)	1:93:A:ASN:HD21	1:92:A:LEU:H	19	1.29
(2,36)	1:63:A:ALA:HB1	1:67:A:LYS:HD3	16	1.29
(2,36)	1:63:A:ALA:HB2	1:67:A:LYS:HD3	16	1.29
(2,36)	1:63:A:ALA:HB3	1:67:A:LYS:HD3	16	1.29
(1,3377)	1:74:A:LYS:HG3	1:73:A:LYS:HA	1	1.29
(1,3377)	1:74:A:LYS:HG3	1:73:A:LYS:HA	11	1.29
(1,3376)	1:74:B:LYS:HG3	1:73:B:LYS:HA	11	1.29
(1,3258)	1:92:B:LEU:HD21	1:85:A:ARG:HB3	18	1.29
(1,3258)	1:92:B:LEU:HD22	1:85:A:ARG:HB3	18	1.29
(1,3258)	1:92:B:LEU:HD23	1:85:A:ARG:HB3	18	1.29
(1,2669)	1:88:B:ILE:HA	1:52:A:ALA:HA	20	1.29
(1,2557)	1:94:A:ILE:HG21	1:74:B:LYS:HE2	15	1.29
(1,2557)	1:94:A:ILE:HG22	1:74:B:LYS:HE2	15	1.29
(1,2557)	1:94:A:ILE:HG23	1:74:B:LYS:HE2	15	1.29
(1,2122)	1:51:B:VAL:HG21	1:52:B:ALA:HA	1	1.29
(1,2122)	1:51:B:VAL:HG22	1:52:B:ALA:HA	1	1.29
(1,2122)	1:51:B:VAL:HG23	1:52:B:ALA:HA	1	1.29
(1,2122)	1:51:B:VAL:HG21	1:52:B:ALA:HA	2	1.29
(1,2122)	1:51:B:VAL:HG22	1:52:B:ALA:HA	2	1.29
(1,2122)	1:51:B:VAL:HG23	1:52:B:ALA:HA	2	1.29
(1,2121)	1:51:A:VAL:HG21	1:52:A:ALA:HA	1	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2121)	1:51:A:VAL:HG22	1:52:A:ALA:HA	1	1.29
(1,2121)	1:51:A:VAL:HG23	1:52:A:ALA:HA	1	1.29
(1,2121)	1:51:A:VAL:HG21	1:52:A:ALA:HA	2	1.29
(1,2121)	1:51:A:VAL:HG22	1:52:A:ALA:HA	2	1.29
(1,2121)	1:51:A:VAL:HG23	1:52:A:ALA:HA	2	1.29
(1,2121)	1:51:A:VAL:HG21	1:52:A:ALA:HA	14	1.29
(1,2121)	1:51:A:VAL:HG22	1:52:A:ALA:HA	14	1.29
(1,2121)	1:51:A:VAL:HG23	1:52:A:ALA:HA	14	1.29
(1,1885)	1:63:A:ALA:H	1:24:A:SER:H	1	1.29
(1,1662)	1:78:B:ILE:HG21	1:79:B:ASN:HD22	13	1.29
(1,1662)	1:78:B:ILE:HG22	1:79:B:ASN:HD22	13	1.29
(1,1662)	1:78:B:ILE:HG23	1:79:B:ASN:HD22	13	1.29
(1,3361)	1:51:B:VAL:HG11	1:65:B:ILE:HG13	5	1.28
(1,3361)	1:51:B:VAL:HG12	1:65:B:ILE:HG13	5	1.28
(1,3361)	1:51:B:VAL:HG13	1:65:B:ILE:HG13	5	1.28
(1,3360)	1:51:A:VAL:HG11	1:65:A:ILE:HG13	5	1.28
(1,3360)	1:51:A:VAL:HG12	1:65:A:ILE:HG13	5	1.28
(1,3360)	1:51:A:VAL:HG13	1:65:A:ILE:HG13	5	1.28
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	5	1.28
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	5	1.28
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	5	1.28
(1,3157)	1:29:B:LEU:HG	1:28:B:GLN:HB2	4	1.28
(1,3156)	1:29:A:LEU:HG	1:28:A:GLN:HB2	4	1.28
(1,2566)	1:62:B:THR:HG21	1:65:B:ILE:HG12	8	1.28
(1,2566)	1:62:B:THR:HG22	1:65:B:ILE:HG12	8	1.28
(1,2566)	1:62:B:THR:HG23	1:65:B:ILE:HG12	8	1.28
(1,2565)	1:62:A:THR:HG21	1:65:A:ILE:HG12	8	1.28
(1,2565)	1:62:A:THR:HG22	1:65:A:ILE:HG12	8	1.28
(1,2565)	1:62:A:THR:HG23	1:65:A:ILE:HG12	8	1.28
(1,2122)	1:51:B:VAL:HG21	1:52:B:ALA:HA	3	1.28
(1,2122)	1:51:B:VAL:HG22	1:52:B:ALA:HA	3	1.28
(1,2122)	1:51:B:VAL:HG23	1:52:B:ALA:HA	3	1.28
(1,2122)	1:51:B:VAL:HG21	1:52:B:ALA:HA	11	1.28
(1,2122)	1:51:B:VAL:HG22	1:52:B:ALA:HA	11	1.28
(1,2122)	1:51:B:VAL:HG23	1:52:B:ALA:HA	11	1.28
(1,2122)	1:51:B:VAL:HG21	1:52:B:ALA:HA	13	1.28
(1,2122)	1:51:B:VAL:HG22	1:52:B:ALA:HA	13	1.28
(1,2122)	1:51:B:VAL:HG23	1:52:B:ALA:HA	13	1.28
(1,2122)	1:51:B:VAL:HG21	1:52:B:ALA:HA	14	1.28
(1,2122)	1:51:B:VAL:HG22	1:52:B:ALA:HA	14	1.28
(1,2122)	1:51:B:VAL:HG23	1:52:B:ALA:HA	14	1.28
(1,2122)	1:51:B:VAL:HG21	1:52:B:ALA:HA	15	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2122)	1:51:B:VAL:HG22	1:52:B:ALA:HA	15	1.28
(1,2122)	1:51:B:VAL:HG23	1:52:B:ALA:HA	15	1.28
(1,2122)	1:51:B:VAL:HG21	1:52:B:ALA:HA	20	1.28
(1,2122)	1:51:B:VAL:HG22	1:52:B:ALA:HA	20	1.28
(1,2122)	1:51:B:VAL:HG23	1:52:B:ALA:HA	20	1.28
(1,2121)	1:51:A:VAL:HG21	1:52:A:ALA:HA	3	1.28
(1,2121)	1:51:A:VAL:HG22	1:52:A:ALA:HA	3	1.28
(1,2121)	1:51:A:VAL:HG23	1:52:A:ALA:HA	3	1.28
(1,2121)	1:51:A:VAL:HG21	1:52:A:ALA:HA	11	1.28
(1,2121)	1:51:A:VAL:HG22	1:52:A:ALA:HA	11	1.28
(1,2121)	1:51:A:VAL:HG23	1:52:A:ALA:HA	11	1.28
(1,2121)	1:51:A:VAL:HG21	1:52:A:ALA:HA	13	1.28
(1,2121)	1:51:A:VAL:HG22	1:52:A:ALA:HA	13	1.28
(1,2121)	1:51:A:VAL:HG23	1:52:A:ALA:HA	13	1.28
(1,2121)	1:51:A:VAL:HG21	1:52:A:ALA:HA	15	1.28
(1,2121)	1:51:A:VAL:HG22	1:52:A:ALA:HA	15	1.28
(1,2121)	1:51:A:VAL:HG23	1:52:A:ALA:HA	15	1.28
(1,2121)	1:51:A:VAL:HG21	1:52:A:ALA:HA	20	1.28
(1,2121)	1:51:A:VAL:HG22	1:52:A:ALA:HA	20	1.28
(1,2121)	1:51:A:VAL:HG23	1:52:A:ALA:HA	20	1.28
(1,1699)	1:72:B:ILE:HG13	1:71:B:THR:H	8	1.28
(1,3377)	1:74:A:LYS:HG3	1:73:A:LYS:HA	15	1.27
(1,3376)	1:74:B:LYS:HG3	1:73:B:LYS:HA	15	1.27
(1,2785)	1:94:A:ILE:HG21	1:74:B:LYS:HD3	9	1.27
(1,2785)	1:94:A:ILE:HG22	1:74:B:LYS:HD3	9	1.27
(1,2785)	1:94:A:ILE:HG23	1:74:B:LYS:HD3	9	1.27
(1,2566)	1:62:B:THR:HG21	1:65:B:ILE:HG12	15	1.27
(1,2566)	1:62:B:THR:HG22	1:65:B:ILE:HG12	15	1.27
(1,2566)	1:62:B:THR:HG23	1:65:B:ILE:HG12	15	1.27
(1,2565)	1:62:A:THR:HG21	1:65:A:ILE:HG12	15	1.27
(1,2565)	1:62:A:THR:HG22	1:65:A:ILE:HG12	15	1.27
(1,2565)	1:62:A:THR:HG23	1:65:A:ILE:HG12	15	1.27
(1,2122)	1:51:B:VAL:HG21	1:52:B:ALA:HA	4	1.27
(1,2122)	1:51:B:VAL:HG22	1:52:B:ALA:HA	4	1.27
(1,2122)	1:51:B:VAL:HG23	1:52:B:ALA:HA	4	1.27
(1,2122)	1:51:B:VAL:HG21	1:52:B:ALA:HA	9	1.27
(1,2122)	1:51:B:VAL:HG22	1:52:B:ALA:HA	9	1.27
(1,2122)	1:51:B:VAL:HG23	1:52:B:ALA:HA	9	1.27
(1,2122)	1:51:B:VAL:HG21	1:52:B:ALA:HA	18	1.27
(1,2122)	1:51:B:VAL:HG22	1:52:B:ALA:HA	18	1.27
(1,2122)	1:51:B:VAL:HG23	1:52:B:ALA:HA	18	1.27
(1,2121)	1:51:A:VAL:HG21	1:52:A:ALA:HA	4	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2121)	1:51:A:VAL:HG22	1:52:A:ALA:HA	4	1.27
(1,2121)	1:51:A:VAL:HG23	1:52:A:ALA:HA	4	1.27
(1,2121)	1:51:A:VAL:HG21	1:52:A:ALA:HA	9	1.27
(1,2121)	1:51:A:VAL:HG22	1:52:A:ALA:HA	9	1.27
(1,2121)	1:51:A:VAL:HG23	1:52:A:ALA:HA	9	1.27
(1,2121)	1:51:A:VAL:HG21	1:52:A:ALA:HA	18	1.27
(1,2121)	1:51:A:VAL:HG22	1:52:A:ALA:HA	18	1.27
(1,2121)	1:51:A:VAL:HG23	1:52:A:ALA:HA	18	1.27
(1,1886)	1:63:B:ALA:H	1:24:B:SER:H	1	1.27
(1,1700)	1:72:A:ILE:HG13	1:71:A:THR:H	8	1.27
(1,693)	1:54:B:LEU:HA	1:58:B:THR:H	6	1.27
(1,692)	1:54:A:LEU:HA	1:58:A:THR:H	6	1.27
(1,229)	1:74:B:LYS:HE3	1:98:A:ARG:HD2	5	1.27
(1,178)	1:57:B:LEU:HD21	1:46:A:LEU:H	4	1.27
(1,178)	1:57:B:LEU:HD22	1:46:A:LEU:H	4	1.27
(1,178)	1:57:B:LEU:HD23	1:46:A:LEU:H	4	1.27
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	1	1.26
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	1	1.26
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	1	1.26
(1,2640)	1:28:B:GLN:HE21	1:50:B:LEU:HG	17	1.26
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD11	14	1.26
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD12	14	1.26
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD13	14	1.26
(1,2122)	1:51:B:VAL:HG21	1:52:B:ALA:HA	5	1.26
(1,2122)	1:51:B:VAL:HG22	1:52:B:ALA:HA	5	1.26
(1,2122)	1:51:B:VAL:HG23	1:52:B:ALA:HA	5	1.26
(1,2122)	1:51:B:VAL:HG21	1:52:B:ALA:HA	12	1.26
(1,2122)	1:51:B:VAL:HG22	1:52:B:ALA:HA	12	1.26
(1,2122)	1:51:B:VAL:HG23	1:52:B:ALA:HA	12	1.26
(1,2122)	1:51:B:VAL:HG21	1:52:B:ALA:HA	19	1.26
(1,2122)	1:51:B:VAL:HG22	1:52:B:ALA:HA	19	1.26
(1,2122)	1:51:B:VAL:HG23	1:52:B:ALA:HA	19	1.26
(1,2121)	1:51:A:VAL:HG21	1:52:A:ALA:HA	5	1.26
(1,2121)	1:51:A:VAL:HG22	1:52:A:ALA:HA	5	1.26
(1,2121)	1:51:A:VAL:HG23	1:52:A:ALA:HA	5	1.26
(1,2121)	1:51:A:VAL:HG21	1:52:A:ALA:HA	6	1.26
(1,2121)	1:51:A:VAL:HG22	1:52:A:ALA:HA	6	1.26
(1,2121)	1:51:A:VAL:HG23	1:52:A:ALA:HA	6	1.26
(1,2121)	1:51:A:VAL:HG21	1:52:A:ALA:HA	12	1.26
(1,2121)	1:51:A:VAL:HG22	1:52:A:ALA:HA	12	1.26
(1,2121)	1:51:A:VAL:HG23	1:52:A:ALA:HA	12	1.26
(1,2084)	1:41:B:ARG:HB3	1:42:B:GLY:H	8	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2083)	1:41:A:ARG:HB3	1:42:A:GLY:H	8	1.26
(2,98)	1:78:A:ILE:HG21	1:79:A:ASN:HD22	8	1.25
(2,98)	1:78:A:ILE:HG22	1:79:A:ASN:HD22	8	1.25
(2,98)	1:78:A:ILE:HG23	1:79:A:ASN:HD22	8	1.25
(2,69)	1:63:B:ALA:HB1	1:67:B:LYS:HD3	12	1.25
(2,69)	1:63:B:ALA:HB2	1:67:B:LYS:HD3	12	1.25
(2,69)	1:63:B:ALA:HB3	1:67:B:LYS:HD3	12	1.25
(2,36)	1:63:A:ALA:HB1	1:67:A:LYS:HD3	12	1.25
(2,36)	1:63:A:ALA:HB2	1:67:A:LYS:HD3	12	1.25
(2,36)	1:63:A:ALA:HB3	1:67:A:LYS:HD3	12	1.25
(1,3258)	1:92:B:LEU:HD21	1:85:A:ARG:HB3	9	1.25
(1,3258)	1:92:B:LEU:HD22	1:85:A:ARG:HB3	9	1.25
(1,3258)	1:92:B:LEU:HD23	1:85:A:ARG:HB3	9	1.25
(1,2639)	1:28:A:GLN:HE21	1:50:A:LEU:HG	17	1.25
(1,2566)	1:62:B:THR:HG21	1:65:B:ILE:HG12	5	1.25
(1,2566)	1:62:B:THR:HG22	1:65:B:ILE:HG12	5	1.25
(1,2566)	1:62:B:THR:HG23	1:65:B:ILE:HG12	5	1.25
(1,2565)	1:62:A:THR:HG21	1:65:A:ILE:HG12	5	1.25
(1,2565)	1:62:A:THR:HG22	1:65:A:ILE:HG12	5	1.25
(1,2565)	1:62:A:THR:HG23	1:65:A:ILE:HG12	5	1.25
(1,2196)	1:72:A:ILE:HG12	1:47:A:PHE:HD1	2	1.25
(1,2196)	1:72:A:ILE:HG12	1:47:A:PHE:HD2	2	1.25
(1,2195)	1:72:B:ILE:HG12	1:47:B:PHE:HD1	2	1.25
(1,2195)	1:72:B:ILE:HG12	1:47:B:PHE:HD2	2	1.25
(1,2122)	1:51:B:VAL:HG21	1:52:B:ALA:HA	6	1.25
(1,2122)	1:51:B:VAL:HG22	1:52:B:ALA:HA	6	1.25
(1,2122)	1:51:B:VAL:HG23	1:52:B:ALA:HA	6	1.25
(1,2122)	1:51:B:VAL:HG21	1:52:B:ALA:HA	7	1.25
(1,2122)	1:51:B:VAL:HG22	1:52:B:ALA:HA	7	1.25
(1,2122)	1:51:B:VAL:HG23	1:52:B:ALA:HA	7	1.25
(1,2122)	1:51:B:VAL:HG21	1:52:B:ALA:HA	8	1.25
(1,2122)	1:51:B:VAL:HG22	1:52:B:ALA:HA	8	1.25
(1,2122)	1:51:B:VAL:HG23	1:52:B:ALA:HA	8	1.25
(1,2122)	1:51:B:VAL:HG21	1:52:B:ALA:HA	17	1.25
(1,2122)	1:51:B:VAL:HG22	1:52:B:ALA:HA	17	1.25
(1,2122)	1:51:B:VAL:HG23	1:52:B:ALA:HA	17	1.25
(1,2121)	1:51:A:VAL:HG21	1:52:A:ALA:HA	7	1.25
(1,2121)	1:51:A:VAL:HG22	1:52:A:ALA:HA	7	1.25
(1,2121)	1:51:A:VAL:HG23	1:52:A:ALA:HA	7	1.25
(1,2121)	1:51:A:VAL:HG21	1:52:A:ALA:HA	8	1.25
(1,2121)	1:51:A:VAL:HG22	1:52:A:ALA:HA	8	1.25
(1,2121)	1:51:A:VAL:HG23	1:52:A:ALA:HA	8	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2121)	1:51:A:VAL:HG21	1:52:A:ALA:HA	10	1.25
(1,2121)	1:51:A:VAL:HG22	1:52:A:ALA:HA	10	1.25
(1,2121)	1:51:A:VAL:HG23	1:52:A:ALA:HA	10	1.25
(1,2121)	1:51:A:VAL:HG21	1:52:A:ALA:HA	17	1.25
(1,2121)	1:51:A:VAL:HG22	1:52:A:ALA:HA	17	1.25
(1,2121)	1:51:A:VAL:HG23	1:52:A:ALA:HA	17	1.25
(1,2121)	1:51:A:VAL:HG21	1:52:A:ALA:HA	19	1.25
(1,2121)	1:51:A:VAL:HG22	1:52:A:ALA:HA	19	1.25
(1,2121)	1:51:A:VAL:HG23	1:52:A:ALA:HA	19	1.25
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD11	12	1.25
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD12	12	1.25
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD13	12	1.25
(2,69)	1:63:B:ALA:HB1	1:67:B:LYS:HD3	7	1.24
(2,69)	1:63:B:ALA:HB2	1:67:B:LYS:HD3	7	1.24
(2,69)	1:63:B:ALA:HB3	1:67:B:LYS:HD3	7	1.24
(2,36)	1:63:A:ALA:HB1	1:67:A:LYS:HD3	7	1.24
(2,36)	1:63:A:ALA:HB2	1:67:A:LYS:HD3	7	1.24
(2,36)	1:63:A:ALA:HB3	1:67:A:LYS:HD3	7	1.24
(1,3360)	1:51:A:VAL:HG11	1:65:A:ILE:HG13	13	1.24
(1,3360)	1:51:A:VAL:HG12	1:65:A:ILE:HG13	13	1.24
(1,3360)	1:51:A:VAL:HG13	1:65:A:ILE:HG13	13	1.24
(1,3078)	1:22:B:ARG:HB2	1:24:B:SER:HA	1	1.24
(1,2672)	1:61:A:PRO:HG3	1:66:A:LEU:HG	1	1.24
(1,2627)	1:45:B:LYS:HE3	1:56:A:PHE:HA	10	1.24
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD1	4	1.24
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD2	4	1.24
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD1	4	1.24
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD2	4	1.24
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD1	4	1.24
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD2	4	1.24
(1,2122)	1:51:B:VAL:HG21	1:52:B:ALA:HA	10	1.24
(1,2122)	1:51:B:VAL:HG22	1:52:B:ALA:HA	10	1.24
(1,2122)	1:51:B:VAL:HG23	1:52:B:ALA:HA	10	1.24
(1,2084)	1:41:B:ARG:HB3	1:42:B:GLY:H	19	1.24
(1,2083)	1:41:A:ARG:HB3	1:42:A:GLY:H	19	1.24
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD11	2	1.24
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD12	2	1.24
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD13	2	1.24
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD11	2	1.24
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD12	2	1.24
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD13	2	1.24
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD11	2	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD12	2	1.24
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD13	2	1.24
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD11	2	1.24
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD12	2	1.24
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD13	2	1.24
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD11	2	1.24
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD12	2	1.24
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD13	2	1.24
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD11	2	1.24
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD12	2	1.24
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD13	2	1.24
(1,1662)	1:78:B:ILE:HG21	1:79:B:ASN:HD22	8	1.24
(1,1662)	1:78:B:ILE:HG22	1:79:B:ASN:HD22	8	1.24
(1,1662)	1:78:B:ILE:HG23	1:79:B:ASN:HD22	8	1.24
(1,1604)	1:93:A:ASN:HD21	1:89:A:GLY:HA3	5	1.24
(2,285)	1:92:A:LEU:HD21	1:85:B:ARG:HB3	3	1.23
(2,285)	1:92:A:LEU:HD22	1:85:B:ARG:HB3	3	1.23
(2,285)	1:92:A:LEU:HD23	1:85:B:ARG:HB3	3	1.23
(2,255)	1:52:A:ALA:H	1:48:A:MET:HG2	2	1.23
(2,48)	1:52:A:ALA:H	1:48:A:MET:HG2	2	1.23
(2,40)	1:27:B:GLN:H	1:24:B:SER:HB2	3	1.23
(1,3361)	1:51:B:VAL:HG11	1:65:B:ILE:HG13	13	1.23
(1,3361)	1:51:B:VAL:HG12	1:65:B:ILE:HG13	13	1.23
(1,3361)	1:51:B:VAL:HG13	1:65:B:ILE:HG13	13	1.23
(1,3340)	1:62:B:THR:HA	1:25:B:THR:HB	7	1.23
(1,3339)	1:62:A:THR:HA	1:25:A:THR:HB	7	1.23
(1,2673)	1:61:B:PRO:HG3	1:66:B:LEU:HG	1	1.23
(1,2566)	1:62:B:THR:HG21	1:65:B:ILE:HG12	12	1.23
(1,2566)	1:62:B:THR:HG22	1:65:B:ILE:HG12	12	1.23
(1,2566)	1:62:B:THR:HG23	1:65:B:ILE:HG12	12	1.23
(1,2565)	1:62:A:THR:HG21	1:65:A:ILE:HG12	12	1.23
(1,2565)	1:62:A:THR:HG22	1:65:A:ILE:HG12	12	1.23
(1,2565)	1:62:A:THR:HG23	1:65:A:ILE:HG12	12	1.23
(1,2368)	1:54:B:LEU:HG	1:51:B:VAL:HA	17	1.23
(1,2367)	1:54:A:LEU:HG	1:51:A:VAL:HA	17	1.23
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD1	8	1.23
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD2	8	1.23
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD1	8	1.23
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD2	8	1.23
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD1	8	1.23
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD2	8	1.23
(1,281)	1:27:A:GLN:H	1:24:A:SER:HB2	3	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,213)	1:83:A:GLY:HA2	1:87:A:GLU:HG2	8	1.23
(2,285)	1:92:A:LEU:HD21	1:85:B:ARG:HB3	9	1.22
(2,285)	1:92:A:LEU:HD22	1:85:B:ARG:HB3	9	1.22
(2,285)	1:92:A:LEU:HD23	1:85:B:ARG:HB3	9	1.22
(2,98)	1:78:A:ILE:HG21	1:79:A:ASN:HD21	14	1.22
(2,98)	1:78:A:ILE:HG22	1:79:A:ASN:HD21	14	1.22
(2,98)	1:78:A:ILE:HG23	1:79:A:ASN:HD21	14	1.22
(1,3361)	1:51:B:VAL:HG11	1:65:B:ILE:HG13	9	1.22
(1,3361)	1:51:B:VAL:HG12	1:65:B:ILE:HG13	9	1.22
(1,3361)	1:51:B:VAL:HG13	1:65:B:ILE:HG13	9	1.22
(1,3360)	1:51:A:VAL:HG11	1:65:A:ILE:HG13	9	1.22
(1,3360)	1:51:A:VAL:HG12	1:65:A:ILE:HG13	9	1.22
(1,3360)	1:51:A:VAL:HG13	1:65:A:ILE:HG13	9	1.22
(1,2626)	1:45:A:LYS:HE3	1:56:B:PHE:HA	10	1.22
(1,2137)	1:96:A:ASN:HD21	1:97:A:ARG:H	11	1.22
(1,2136)	1:96:B:ASN:HD21	1:97:B:ARG:H	11	1.22
(1,2136)	1:96:B:ASN:HD21	1:97:B:ARG:H	13	1.22
(1,1956)	1:98:B:ARG:HD2	1:74:A:LYS:HG2	11	1.22
(1,869)	1:63:B:ALA:HA	1:66:B:LEU:HD11	1	1.22
(1,869)	1:63:B:ALA:HA	1:66:B:LEU:HD12	1	1.22
(1,869)	1:63:B:ALA:HA	1:66:B:LEU:HD13	1	1.22
(1,212)	1:83:B:GLY:HA2	1:87:B:GLU:HG2	8	1.22
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD21	2	1.22
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD22	2	1.22
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD23	2	1.22
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD21	2	1.22
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD22	2	1.22
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD23	2	1.22
(2,166)	1:27:A:GLN:HG2	1:31:A:LYS:HE2	14	1.21
(1,3258)	1:92:B:LEU:HD21	1:85:A:ARG:HB3	3	1.21
(1,3258)	1:92:B:LEU:HD22	1:85:A:ARG:HB3	3	1.21
(1,3258)	1:92:B:LEU:HD23	1:85:A:ARG:HB3	3	1.21
(1,2632)	1:52:B:ALA:HA	1:55:B:ARG:HD2	15	1.21
(1,2631)	1:52:A:ALA:HA	1:55:A:ARG:HD2	15	1.21
(1,2556)	1:94:B:ILE:HG21	1:74:A:LYS:HE2	15	1.21
(1,2556)	1:94:B:ILE:HG22	1:74:A:LYS:HE2	15	1.21
(1,2556)	1:94:B:ILE:HG23	1:74:A:LYS:HE2	15	1.21
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD11	18	1.21
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD12	18	1.21
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD13	18	1.21
(1,2256)	1:57:A:LEU:HD11	1:45:B:LYS:HE3	13	1.21
(1,2256)	1:57:A:LEU:HD12	1:45:B:LYS:HE3	13	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2256)	1:57:A:LEU:HD13	1:45:B:LYS:HE3	13	1.21
(1,2188)	1:22:B:ARG:H	1:23:B:VAL:H	17	1.21
(1,2187)	1:22:A:ARG:H	1:23:A:VAL:H	17	1.21
(1,2137)	1:96:A:ASN:HD21	1:97:A:ARG:H	13	1.21
(1,1662)	1:78:B:ILE:HG21	1:79:B:ASN:HD21	14	1.21
(1,1662)	1:78:B:ILE:HG22	1:79:B:ASN:HD21	14	1.21
(1,1662)	1:78:B:ILE:HG23	1:79:B:ASN:HD21	14	1.21
(1,1141)	1:97:B:ARG:H	1:98:B:ARG:HG2	19	1.21
(1,1140)	1:97:A:ARG:H	1:98:A:ARG:HG2	19	1.21
(1,32)	1:57:B:LEU:HD11	1:45:A:LYS:HE2	8	1.21
(1,32)	1:57:B:LEU:HD12	1:45:A:LYS:HE2	8	1.21
(1,32)	1:57:B:LEU:HD13	1:45:A:LYS:HE2	8	1.21
(2,285)	1:92:A:LEU:HD21	1:85:B:ARG:HB3	12	1.2
(2,285)	1:92:A:LEU:HD22	1:85:B:ARG:HB3	12	1.2
(2,285)	1:92:A:LEU:HD23	1:85:B:ARG:HB3	12	1.2
(1,3480)	1:27:B:GLN:HG2	1:31:B:LYS:HE2	14	1.2
(1,3461)	1:99:B:ARG:H	1:100:B:ARG:HB2	2	1.2
(1,3382)	1:87:B:GLU:HB3	1:55:A:ARG:HG3	14	1.2
(1,3377)	1:74:A:LYS:HG3	1:73:A:LYS:HA	4	1.2
(1,3376)	1:74:B:LYS:HG3	1:73:B:LYS:HA	4	1.2
(1,3361)	1:51:B:VAL:HG11	1:65:B:ILE:HG13	7	1.2
(1,3361)	1:51:B:VAL:HG12	1:65:B:ILE:HG13	7	1.2
(1,3361)	1:51:B:VAL:HG13	1:65:B:ILE:HG13	7	1.2
(1,3360)	1:51:A:VAL:HG11	1:65:A:ILE:HG13	7	1.2
(1,3360)	1:51:A:VAL:HG12	1:65:A:ILE:HG13	7	1.2
(1,3360)	1:51:A:VAL:HG13	1:65:A:ILE:HG13	7	1.2
(1,3360)	1:51:A:VAL:HG11	1:65:A:ILE:HG13	11	1.2
(1,3360)	1:51:A:VAL:HG12	1:65:A:ILE:HG13	11	1.2
(1,3360)	1:51:A:VAL:HG13	1:65:A:ILE:HG13	11	1.2
(1,3258)	1:92:B:LEU:HD21	1:85:A:ARG:HB3	11	1.2
(1,3258)	1:92:B:LEU:HD22	1:85:A:ARG:HB3	11	1.2
(1,3258)	1:92:B:LEU:HD23	1:85:A:ARG:HB3	11	1.2
(1,3258)	1:92:B:LEU:HD21	1:85:A:ARG:HB3	12	1.2
(1,3258)	1:92:B:LEU:HD22	1:85:A:ARG:HB3	12	1.2
(1,3258)	1:92:B:LEU:HD23	1:85:A:ARG:HB3	12	1.2
(1,2786)	1:94:B:ILE:HG21	1:74:A:LYS:HD3	9	1.2
(1,2786)	1:94:B:ILE:HG22	1:74:A:LYS:HD3	9	1.2
(1,2786)	1:94:B:ILE:HG23	1:74:A:LYS:HD3	9	1.2
(1,2137)	1:96:A:ASN:HD21	1:97:A:ARG:H	16	1.2
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD21	15	1.2
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD22	15	1.2
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD23	15	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD21	15	1.2
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD22	15	1.2
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD23	15	1.2
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD21	15	1.2
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD22	15	1.2
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD23	15	1.2
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD21	15	1.2
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD22	15	1.2
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD23	15	1.2
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD21	15	1.2
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD22	15	1.2
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD23	15	1.2
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD21	15	1.2
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD22	15	1.2
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD23	15	1.2
(1,1140)	1:97:A:ARG:H	1:98:A:ARG:HG2	8	1.2
(1,155)	1:71:B:THR:HG21	1:42:B:GLY:HA2	9	1.2
(1,155)	1:71:B:THR:HG22	1:42:B:GLY:HA2	9	1.2
(1,155)	1:71:B:THR:HG23	1:42:B:GLY:HA2	9	1.2
(1,154)	1:71:A:THR:HG21	1:42:A:GLY:HA2	9	1.2
(1,154)	1:71:A:THR:HG22	1:42:A:GLY:HA2	9	1.2
(1,154)	1:71:A:THR:HG23	1:42:A:GLY:HA2	9	1.2
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG21	20	1.2
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG22	20	1.2
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG23	20	1.2
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG21	20	1.2
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG22	20	1.2
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG23	20	1.2
(2,285)	1:92:A:LEU:HD21	1:85:B:ARG:HB3	11	1.19
(2,285)	1:92:A:LEU:HD22	1:85:B:ARG:HB3	11	1.19
(2,285)	1:92:A:LEU:HD23	1:85:B:ARG:HB3	11	1.19
(1,3361)	1:51:B:VAL:HG11	1:65:B:ILE:HG13	11	1.19
(1,3361)	1:51:B:VAL:HG12	1:65:B:ILE:HG13	11	1.19
(1,3361)	1:51:B:VAL:HG13	1:65:B:ILE:HG13	11	1.19
(1,3041)	1:27:A:GLN:HA	1:30:A:THR:HB	20	1.19
(1,3040)	1:27:B:GLN:HA	1:30:B:THR:HB	20	1.19
(1,2255)	1:57:B:LEU:HD11	1:45:A:LYS:HE3	13	1.19
(1,2255)	1:57:B:LEU:HD12	1:45:A:LYS:HE3	13	1.19
(1,2255)	1:57:B:LEU:HD13	1:45:A:LYS:HE3	13	1.19
(1,2136)	1:96:B:ASN:HD21	1:97:B:ARG:H	16	1.19
(1,1944)	1:98:B:ARG:H	1:98:B:ARG:HD3	9	1.19
(1,1944)	1:98:B:ARG:H	1:98:B:ARG:HD3	17	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1141)	1:97:B:ARG:H	1:98:B:ARG:HG2	8	1.19
(1,156)	1:78:B:ILE:HG21	1:96:A:ASN:HD22	5	1.19
(1,156)	1:78:B:ILE:HG22	1:96:A:ASN:HD22	5	1.19
(1,156)	1:78:B:ILE:HG23	1:96:A:ASN:HD22	5	1.19
(2,118)	1:76:B:LYS:H	1:73:B:LYS:HD3	13	1.18
(2,94)	1:61:B:PRO:HB2	1:66:B:LEU:HD11	6	1.18
(2,94)	1:61:B:PRO:HB2	1:66:B:LEU:HD12	6	1.18
(2,94)	1:61:B:PRO:HB2	1:66:B:LEU:HD13	6	1.18
(1,3248)	1:26:A:VAL:HG21	1:27:A:GLN:HG3	5	1.18
(1,3248)	1:26:A:VAL:HG22	1:27:A:GLN:HG3	5	1.18
(1,3248)	1:26:A:VAL:HG23	1:27:A:GLN:HG3	5	1.18
(1,2754)	1:76:A:LYS:H	1:73:A:LYS:HD3	13	1.18
(1,2692)	1:68:A:ARG:HA	1:68:A:ARG:HD3	17	1.18
(1,2691)	1:68:B:ARG:HA	1:68:B:ARG:HD3	17	1.18
(1,1955)	1:98:A:ARG:HD2	1:74:B:LYS:HG2	11	1.18
(1,1945)	1:98:A:ARG:H	1:98:A:ARG:HD3	9	1.18
(1,1945)	1:98:A:ARG:H	1:98:A:ARG:HD3	17	1.18
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD21	1	1.18
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD22	1	1.18
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD23	1	1.18
(1,1482)	1:41:B:ARG:H	1:39:B:GLN:H	7	1.18
(1,1481)	1:41:A:ARG:H	1:39:A:GLN:H	7	1.18
(1,321)	1:95:B:LEU:HA	1:98:B:ARG:HD2	18	1.18
(1,320)	1:95:A:LEU:HA	1:98:A:ARG:HD2	18	1.18
(1,229)	1:74:B:LYS:HE3	1:98:A:ARG:HD2	14	1.18
(1,3383)	1:87:A:GLU:HB3	1:55:B:ARG:HG3	14	1.17
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	11	1.17
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	11	1.17
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	11	1.17
(1,2879)	1:62:B:THR:HB	1:22:B:ARG:HB3	3	1.17
(1,2879)	1:62:B:THR:HB	1:22:B:ARG:HB3	8	1.17
(1,2780)	1:49:A:ALA:H	1:44:A:LEU:HD11	13	1.17
(1,2780)	1:49:A:ALA:H	1:44:A:LEU:HD12	13	1.17
(1,2780)	1:49:A:ALA:H	1:44:A:LEU:HD13	13	1.17
(1,2779)	1:49:B:ALA:H	1:44:B:LEU:HD11	13	1.17
(1,2779)	1:49:B:ALA:H	1:44:B:LEU:HD12	13	1.17
(1,2779)	1:49:B:ALA:H	1:44:B:LEU:HD13	13	1.17
(1,2668)	1:88:A:ILE:HA	1:52:B:ALA:HA	8	1.17
(1,2572)	1:72:B:ILE:HB	1:71:B:THR:HA	3	1.17
(1,2571)	1:72:A:ILE:HB	1:71:A:THR:HA	3	1.17
(1,2557)	1:94:A:ILE:HG21	1:74:B:LYS:HE2	7	1.17
(1,2557)	1:94:A:ILE:HG22	1:74:B:LYS:HE2	7	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2557)	1:94:A:ILE:HG23	1:74:B:LYS:HE2	7	1.17
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD11	4	1.17
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD12	4	1.17
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD13	4	1.17
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD21	1	1.17
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD22	1	1.17
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD23	1	1.17
(1,697)	1:26:A:VAL:HG21	1:64:A:GLY:H	2	1.17
(1,697)	1:26:A:VAL:HG22	1:64:A:GLY:H	2	1.17
(1,697)	1:26:A:VAL:HG23	1:64:A:GLY:H	2	1.17
(1,194)	1:91:A:MET:HG3	1:87:A:GLU:HA	13	1.17
(1,33)	1:57:A:LEU:HD11	1:45:B:LYS:HE2	8	1.17
(1,33)	1:57:A:LEU:HD12	1:45:B:LYS:HE2	8	1.17
(1,33)	1:57:A:LEU:HD13	1:45:B:LYS:HE2	8	1.17
(2,283)	1:93:A:ASN:HD21	1:92:A:LEU:H	5	1.16
(1,3361)	1:51:B:VAL:HG11	1:65:B:ILE:HG13	17	1.16
(1,3361)	1:51:B:VAL:HG12	1:65:B:ILE:HG13	17	1.16
(1,3361)	1:51:B:VAL:HG13	1:65:B:ILE:HG13	17	1.16
(1,3360)	1:51:A:VAL:HG11	1:65:A:ILE:HG13	17	1.16
(1,3360)	1:51:A:VAL:HG12	1:65:A:ILE:HG13	17	1.16
(1,3360)	1:51:A:VAL:HG13	1:65:A:ILE:HG13	17	1.16
(1,3288)	1:97:A:ARG:H	1:98:A:ARG:HD3	4	1.16
(1,3287)	1:97:B:ARG:H	1:98:B:ARG:HD3	4	1.16
(1,3258)	1:92:B:LEU:HD21	1:85:A:ARG:HB3	13	1.16
(1,3258)	1:92:B:LEU:HD22	1:85:A:ARG:HB3	13	1.16
(1,3258)	1:92:B:LEU:HD23	1:85:A:ARG:HB3	13	1.16
(1,3076)	1:99:B:ARG:H	1:97:B:ARG:HG3	4	1.16
(1,3049)	1:55:A:ARG:HA	1:55:A:ARG:HD3	20	1.16
(1,3048)	1:55:B:ARG:HA	1:55:B:ARG:HD3	20	1.16
(1,2640)	1:28:B:GLN:HE21	1:50:B:LEU:HG	19	1.16
(1,2639)	1:28:A:GLN:HE21	1:50:A:LEU:HG	19	1.16
(1,2617)	1:96:B:ASN:H	1:98:B:ARG:HD3	5	1.16
(1,2616)	1:96:A:ASN:H	1:98:A:ARG:HD3	5	1.16
(1,2519)	1:38:A:LEU:HA	1:38:A:LEU:HD21	20	1.16
(1,2519)	1:38:A:LEU:HA	1:38:A:LEU:HD22	20	1.16
(1,2519)	1:38:A:LEU:HA	1:38:A:LEU:HD23	20	1.16
(1,2518)	1:38:B:LEU:HA	1:38:B:LEU:HD21	20	1.16
(1,2518)	1:38:B:LEU:HA	1:38:B:LEU:HD22	20	1.16
(1,2518)	1:38:B:LEU:HA	1:38:B:LEU:HD23	20	1.16
(1,1945)	1:98:A:ARG:H	1:98:A:ARG:HD3	5	1.16
(1,1944)	1:98:B:ARG:H	1:98:B:ARG:HD3	5	1.16
(1,1265)	1:22:A:ARG:HG2	1:22:A:ARG:HA	3	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,192)	1:77:B:ALA:HB1	1:75:B:SER:H	13	1.16
(1,192)	1:77:B:ALA:HB2	1:75:B:SER:H	13	1.16
(1,192)	1:77:B:ALA:HB3	1:75:B:SER:H	13	1.16
(2,285)	1:92:A:LEU:HD21	1:85:B:ARG:HB3	13	1.15
(2,285)	1:92:A:LEU:HD22	1:85:B:ARG:HB3	13	1.15
(2,285)	1:92:A:LEU:HD23	1:85:B:ARG:HB3	13	1.15
(1,3381)	1:94:A:ILE:HG21	1:100:A:ARG:H	20	1.15
(1,3381)	1:94:A:ILE:HG22	1:100:A:ARG:H	20	1.15
(1,3381)	1:94:A:ILE:HG23	1:100:A:ARG:H	20	1.15
(1,3358)	1:69:A:TRP:HZ2	1:91:B:MET:HA	11	1.15
(1,3120)	1:57:B:LEU:HD11	1:46:A:LEU:HD11	16	1.15
(1,3120)	1:57:B:LEU:HD11	1:46:A:LEU:HD12	16	1.15
(1,3120)	1:57:B:LEU:HD11	1:46:A:LEU:HD13	16	1.15
(1,3120)	1:57:B:LEU:HD12	1:46:A:LEU:HD11	16	1.15
(1,3120)	1:57:B:LEU:HD12	1:46:A:LEU:HD12	16	1.15
(1,3120)	1:57:B:LEU:HD12	1:46:A:LEU:HD13	16	1.15
(1,3120)	1:57:B:LEU:HD13	1:46:A:LEU:HD11	16	1.15
(1,3120)	1:57:B:LEU:HD13	1:46:A:LEU:HD12	16	1.15
(1,3120)	1:57:B:LEU:HD13	1:46:A:LEU:HD13	16	1.15
(1,2682)	1:26:A:VAL:HG11	1:22:A:ARG:HG3	8	1.15
(1,2682)	1:26:A:VAL:HG12	1:22:A:ARG:HG3	8	1.15
(1,2682)	1:26:A:VAL:HG13	1:22:A:ARG:HG3	8	1.15
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD11	6	1.15
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD12	6	1.15
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD13	6	1.15
(1,2136)	1:96:B:ASN:HD21	1:97:B:ARG:H	18	1.15
(1,869)	1:63:B:ALA:HA	1:66:B:LEU:HD11	9	1.15
(1,869)	1:63:B:ALA:HA	1:66:B:LEU:HD12	9	1.15
(1,869)	1:63:B:ALA:HA	1:66:B:LEU:HD13	9	1.15
(1,687)	1:38:B:LEU:HA	1:38:B:LEU:HD21	20	1.15
(1,687)	1:38:B:LEU:HA	1:38:B:LEU:HD22	20	1.15
(1,687)	1:38:B:LEU:HA	1:38:B:LEU:HD23	20	1.15
(1,686)	1:38:A:LEU:HA	1:38:A:LEU:HD21	20	1.15
(1,686)	1:38:A:LEU:HA	1:38:A:LEU:HD22	20	1.15
(1,686)	1:38:A:LEU:HA	1:38:A:LEU:HD23	20	1.15
(1,457)	1:26:A:VAL:HA	1:22:A:ARG:HG2	12	1.15
(1,417)	1:57:B:LEU:HD21	1:59:B:ILE:H	16	1.15
(1,417)	1:57:B:LEU:HD22	1:59:B:ILE:H	16	1.15
(1,417)	1:57:B:LEU:HD23	1:59:B:ILE:H	16	1.15
(1,216)	1:77:B:ALA:HB1	1:48:B:MET:HG2	20	1.15
(1,216)	1:77:B:ALA:HB2	1:48:B:MET:HG2	20	1.15
(1,216)	1:77:B:ALA:HB3	1:48:B:MET:HG2	20	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,215)	1:77:A:ALA:HB1	1:48:A:MET:HG2	20	1.15
(1,215)	1:77:A:ALA:HB2	1:48:A:MET:HG2	20	1.15
(1,215)	1:77:A:ALA:HB3	1:48:A:MET:HG2	20	1.15
(1,191)	1:77:A:ALA:HB1	1:75:A:SER:H	13	1.15
(1,191)	1:77:A:ALA:HB2	1:75:A:SER:H	13	1.15
(1,191)	1:77:A:ALA:HB3	1:75:A:SER:H	13	1.15
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD21	13	1.15
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD22	13	1.15
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD23	13	1.15
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD21	13	1.15
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD22	13	1.15
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD23	13	1.15
(2,228)	1:93:B:ASN:HD21	1:89:B:GLY:HA2	5	1.14
(2,99)	1:41:B:ARG:HD3	1:41:B:ARG:HA	9	1.14
(1,3359)	1:69:B:TRP:HZ2	1:91:A:MET:HA	11	1.14
(1,3202)	1:41:B:ARG:HB3	1:47:B:PHE:HB3	9	1.14
(1,3201)	1:41:A:ARG:HB3	1:47:A:PHE:HB3	9	1.14
(1,2780)	1:49:A:ALA:H	1:44:A:LEU:HD11	2	1.14
(1,2780)	1:49:A:ALA:H	1:44:A:LEU:HD12	2	1.14
(1,2780)	1:49:A:ALA:H	1:44:A:LEU:HD13	2	1.14
(1,2779)	1:49:B:ALA:H	1:44:B:LEU:HD11	2	1.14
(1,2779)	1:49:B:ALA:H	1:44:B:LEU:HD12	2	1.14
(1,2779)	1:49:B:ALA:H	1:44:B:LEU:HD13	2	1.14
(1,2669)	1:88:B:ILE:HA	1:52:A:ALA:HA	8	1.14
(1,2636)	1:27:A:GLN:HA	1:24:A:SER:H	15	1.14
(1,2635)	1:27:B:GLN:HA	1:24:B:SER:H	15	1.14
(1,2556)	1:94:B:ILE:HG21	1:74:A:LYS:HE2	7	1.14
(1,2556)	1:94:B:ILE:HG22	1:74:A:LYS:HE2	7	1.14
(1,2556)	1:94:B:ILE:HG23	1:74:A:LYS:HE2	7	1.14
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD11	11	1.14
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD12	11	1.14
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD13	11	1.14
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD11	19	1.14
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD12	19	1.14
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD13	19	1.14
(1,2137)	1:96:A:ASN:HD21	1:97:A:ARG:H	6	1.14
(1,2137)	1:96:A:ASN:HD21	1:97:A:ARG:H	18	1.14
(1,2136)	1:96:B:ASN:HD21	1:97:B:ARG:H	6	1.14
(1,1615)	1:96:A:ASN:HD22	1:97:A:ARG:HG3	16	1.14
(1,1614)	1:96:B:ASN:HD22	1:97:B:ARG:HG3	16	1.14
(1,1358)	1:29:B:LEU:HG	1:28:B:GLN:HE21	1	1.14
(1,1357)	1:29:A:LEU:HG	1:28:A:GLN:HE21	1	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:74:A:LYS:HE3	1:98:B:ARG:HD2	5	1.14
(1,3380)	1:94:B:ILE:HG21	1:100:B:ARG:H	20	1.13
(1,3380)	1:94:B:ILE:HG22	1:100:B:ARG:H	20	1.13
(1,3380)	1:94:B:ILE:HG23	1:100:B:ARG:H	20	1.13
(1,3119)	1:57:A:LEU:HD11	1:46:B:LEU:HD11	16	1.13
(1,3119)	1:57:A:LEU:HD11	1:46:B:LEU:HD12	16	1.13
(1,3119)	1:57:A:LEU:HD11	1:46:B:LEU:HD13	16	1.13
(1,3119)	1:57:A:LEU:HD12	1:46:B:LEU:HD11	16	1.13
(1,3119)	1:57:A:LEU:HD12	1:46:B:LEU:HD12	16	1.13
(1,3119)	1:57:A:LEU:HD12	1:46:B:LEU:HD13	16	1.13
(1,3119)	1:57:A:LEU:HD13	1:46:B:LEU:HD11	16	1.13
(1,3119)	1:57:A:LEU:HD13	1:46:B:LEU:HD12	16	1.13
(1,3119)	1:57:A:LEU:HD13	1:46:B:LEU:HD13	16	1.13
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD11	12	1.13
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD12	12	1.13
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD13	12	1.13
(1,2397)	1:90:A:ARG:H	1:90:A:ARG:HD3	12	1.13
(1,1592)	1:41:A:ARG:HD3	1:41:A:ARG:HA	9	1.13
(1,1374)	1:80:A:VAL:HG21	1:48:A:MET:H	12	1.13
(1,1374)	1:80:A:VAL:HG22	1:48:A:MET:H	12	1.13
(1,1374)	1:80:A:VAL:HG23	1:48:A:MET:H	12	1.13
(1,1078)	1:95:A:LEU:HA	1:74:B:LYS:HD3	9	1.13
(1,499)	1:78:A:ILE:HB	1:75:A:SER:HB3	5	1.13
(1,498)	1:78:B:ILE:HB	1:75:B:SER:HB3	5	1.13
(1,417)	1:57:B:LEU:HD21	1:59:B:ILE:H	1	1.13
(1,417)	1:57:B:LEU:HD22	1:59:B:ILE:H	1	1.13
(1,417)	1:57:B:LEU:HD23	1:59:B:ILE:H	1	1.13
(1,157)	1:78:A:ILE:HG21	1:96:B:ASN:HD22	5	1.13
(1,157)	1:78:A:ILE:HG22	1:96:B:ASN:HD22	5	1.13
(1,157)	1:78:A:ILE:HG23	1:96:B:ASN:HD22	5	1.13
(1,3360)	1:51:A:VAL:HG11	1:65:A:ILE:HG13	15	1.12
(1,3360)	1:51:A:VAL:HG12	1:65:A:ILE:HG13	15	1.12
(1,3360)	1:51:A:VAL:HG13	1:65:A:ILE:HG13	15	1.12
(1,2396)	1:90:B:ARG:H	1:90:B:ARG:HD3	12	1.12
(1,1637)	1:28:B:GLN:H	1:24:B:SER:H	10	1.12
(1,1636)	1:28:A:GLN:H	1:24:A:SER:H	10	1.12
(1,1234)	1:46:B:LEU:H	1:43:B:PRO:HB3	12	1.12
(1,1233)	1:46:A:LEU:H	1:43:A:PRO:HB3	12	1.12
(1,753)	1:96:B:ASN:HD22	1:97:B:ARG:HA	18	1.12
(1,213)	1:83:A:GLY:HA2	1:87:A:GLU:HG2	14	1.12
(1,212)	1:83:B:GLY:HA2	1:87:B:GLU:HG2	4	1.12
(1,3361)	1:51:B:VAL:HG11	1:65:B:ILE:HG13	15	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3361)	1:51:B:VAL:HG12	1:65:B:ILE:HG13	15	1.11
(1,3361)	1:51:B:VAL:HG13	1:65:B:ILE:HG13	15	1.11
(1,3298)	1:22:B:ARG:HB3	1:63:B:ALA:H	10	1.11
(1,2136)	1:96:B:ASN:HD21	1:97:B:ARG:H	19	1.11
(1,754)	1:96:A:ASN:HD22	1:97:A:ARG:HA	18	1.11
(1,279)	1:41:B:ARG:H	1:38:B:LEU:HA	16	1.11
(1,278)	1:41:A:ARG:H	1:38:A:LEU:HA	16	1.11
(1,2619)	1:87:B:GLU:H	1:90:B:ARG:HD2	8	1.1
(1,2618)	1:87:A:GLU:H	1:90:A:ARG:HD2	8	1.1
(1,2612)	1:55:B:ARG:HA	1:54:B:LEU:HB3	3	1.1
(1,2611)	1:55:A:ARG:HA	1:54:A:LEU:HB3	3	1.1
(1,2566)	1:62:B:THR:HG21	1:65:B:ILE:HG12	6	1.1
(1,2566)	1:62:B:THR:HG22	1:65:B:ILE:HG12	6	1.1
(1,2566)	1:62:B:THR:HG23	1:65:B:ILE:HG12	6	1.1
(1,2565)	1:62:A:THR:HG21	1:65:A:ILE:HG12	6	1.1
(1,2565)	1:62:A:THR:HG22	1:65:A:ILE:HG12	6	1.1
(1,2565)	1:62:A:THR:HG23	1:65:A:ILE:HG12	6	1.1
(1,2397)	1:90:A:ARG:H	1:90:A:ARG:HD3	7	1.1
(1,2396)	1:90:B:ARG:H	1:90:B:ARG:HD3	7	1.1
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD1	1	1.1
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD2	1	1.1
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD1	1	1.1
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD2	1	1.1
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD1	1	1.1
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD2	1	1.1
(1,2137)	1:96:A:ASN:HD21	1:97:A:ARG:H	19	1.1
(1,2136)	1:96:B:ASN:HD21	1:97:B:ARG:H	10	1.1
(1,927)	1:80:A:VAL:HG21	1:45:A:LYS:HG3	10	1.1
(1,927)	1:80:A:VAL:HG22	1:45:A:LYS:HG3	10	1.1
(1,927)	1:80:A:VAL:HG23	1:45:A:LYS:HG3	10	1.1
(1,417)	1:57:B:LEU:HD21	1:59:B:ILE:H	12	1.1
(1,417)	1:57:B:LEU:HD22	1:59:B:ILE:H	12	1.1
(1,417)	1:57:B:LEU:HD23	1:59:B:ILE:H	12	1.1
(1,213)	1:83:A:GLY:HA2	1:87:A:GLU:HG2	4	1.1
(1,212)	1:83:B:GLY:HA2	1:87:B:GLU:HG2	14	1.1
(1,3361)	1:51:B:VAL:HG11	1:65:B:ILE:HG13	14	1.09
(1,3361)	1:51:B:VAL:HG12	1:65:B:ILE:HG13	14	1.09
(1,3361)	1:51:B:VAL:HG13	1:65:B:ILE:HG13	14	1.09
(1,3360)	1:51:A:VAL:HG11	1:65:A:ILE:HG13	14	1.09
(1,3360)	1:51:A:VAL:HG12	1:65:A:ILE:HG13	14	1.09
(1,3360)	1:51:A:VAL:HG13	1:65:A:ILE:HG13	14	1.09
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD11	5	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD12	5	1.09
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD13	5	1.09
(1,2137)	1:96:A:ASN:HD21	1:97:A:ARG:H	10	1.09
(1,216)	1:77:B:ALA:HB1	1:48:B:MET:HG2	1	1.09
(1,216)	1:77:B:ALA:HB2	1:48:B:MET:HG2	1	1.09
(1,216)	1:77:B:ALA:HB3	1:48:B:MET:HG2	1	1.09
(1,215)	1:77:A:ALA:HB1	1:48:A:MET:HG2	1	1.09
(1,215)	1:77:A:ALA:HB2	1:48:A:MET:HG2	1	1.09
(1,215)	1:77:A:ALA:HB3	1:48:A:MET:HG2	1	1.09
(2,240)	1:30:B:THR:HG21	1:27:B:GLN:HG3	20	1.08
(2,240)	1:30:B:THR:HG22	1:27:B:GLN:HG3	20	1.08
(2,240)	1:30:B:THR:HG23	1:27:B:GLN:HG3	20	1.08
(2,110)	1:31:A:LYS:HE2	1:31:A:LYS:HB2	14	1.08
(1,3340)	1:62:B:THR:HA	1:25:B:THR:HB	2	1.08
(1,3339)	1:62:A:THR:HA	1:25:A:THR:HB	2	1.08
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	2	1.08
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	2	1.08
(1,3235)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	2	1.08
(1,3213)	1:31:B:LYS:HE2	1:31:B:LYS:HB2	14	1.08
(1,2701)	1:30:A:THR:HG21	1:27:A:GLN:HG3	20	1.08
(1,2701)	1:30:A:THR:HG22	1:27:A:GLN:HG3	20	1.08
(1,2701)	1:30:A:THR:HG23	1:27:A:GLN:HG3	20	1.08
(1,2632)	1:52:B:ALA:HA	1:55:B:ARG:HD2	18	1.08
(1,2631)	1:52:A:ALA:HA	1:55:A:ARG:HD2	18	1.08
(1,2612)	1:55:B:ARG:HA	1:54:B:LEU:HB3	11	1.08
(1,2611)	1:55:A:ARG:HA	1:54:A:LEU:HB3	11	1.08
(1,2566)	1:62:B:THR:HG21	1:65:B:ILE:HG12	10	1.08
(1,2566)	1:62:B:THR:HG22	1:65:B:ILE:HG12	10	1.08
(1,2566)	1:62:B:THR:HG23	1:65:B:ILE:HG12	10	1.08
(1,546)	1:70:A:GLY:H	1:68:A:ARG:HE	16	1.08
(2,69)	1:63:B:ALA:HB1	1:67:B:LYS:HD3	4	1.07
(2,69)	1:63:B:ALA:HB2	1:67:B:LYS:HD3	4	1.07
(2,69)	1:63:B:ALA:HB3	1:67:B:LYS:HD3	4	1.07
(1,3171)	1:57:B:LEU:HD11	1:53:B:PHE:HB3	7	1.07
(1,3171)	1:57:B:LEU:HD12	1:53:B:PHE:HB3	7	1.07
(1,3171)	1:57:B:LEU:HD13	1:53:B:PHE:HB3	7	1.07
(1,2565)	1:62:A:THR:HG21	1:65:A:ILE:HG12	10	1.07
(1,2565)	1:62:A:THR:HG22	1:65:A:ILE:HG12	10	1.07
(1,2565)	1:62:A:THR:HG23	1:65:A:ILE:HG12	10	1.07
(1,1275)	1:23:B:VAL:H	1:24:B:SER:HA	17	1.07
(1,1079)	1:95:B:LEU:HA	1:74:A:LYS:HD3	9	1.07
(1,1070)	1:22:A:ARG:HG2	1:30:A:THR:HB	3	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,36)	1:63:A:ALA:HB1	1:67:A:LYS:HD3	4	1.06
(2,36)	1:63:A:ALA:HB2	1:67:A:LYS:HD3	4	1.06
(2,36)	1:63:A:ALA:HB3	1:67:A:LYS:HD3	4	1.06
(1,3410)	1:94:A:ILE:HA	1:97:A:ARG:HB2	6	1.06
(1,3409)	1:94:B:ILE:HA	1:97:B:ARG:HB2	6	1.06
(1,3361)	1:51:B:VAL:HG11	1:65:B:ILE:HG13	18	1.06
(1,3361)	1:51:B:VAL:HG12	1:65:B:ILE:HG13	18	1.06
(1,3361)	1:51:B:VAL:HG13	1:65:B:ILE:HG13	18	1.06
(1,3360)	1:51:A:VAL:HG11	1:65:A:ILE:HG13	18	1.06
(1,3360)	1:51:A:VAL:HG12	1:65:A:ILE:HG13	18	1.06
(1,3360)	1:51:A:VAL:HG13	1:65:A:ILE:HG13	18	1.06
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD21	20	1.06
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD22	20	1.06
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD23	20	1.06
(1,2612)	1:55:B:ARG:HA	1:54:B:LEU:HB3	12	1.06
(1,2611)	1:55:A:ARG:HA	1:54:A:LEU:HB3	12	1.06
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD11	15	1.06
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD12	15	1.06
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD13	15	1.06
(1,2397)	1:90:A:ARG:H	1:90:A:ARG:HD3	3	1.06
(1,2396)	1:90:B:ARG:H	1:90:B:ARG:HD3	3	1.06
(1,1615)	1:96:A:ASN:HD22	1:97:A:ARG:HG3	6	1.06
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	5	1.06
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	5	1.06
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	5	1.06
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	5	1.06
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	5	1.06
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	5	1.06
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	5	1.06
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	5	1.06
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	5	1.06
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	5	1.06
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	5	1.06
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	5	1.06
(1,1274)	1:23:A:VAL:H	1:24:A:SER:HA	17	1.06
(1,1071)	1:22:B:ARG:HG2	1:30:B:THR:HB	3	1.06
(1,191)	1:77:A:ALA:HB1	1:75:A:SER:H	5	1.06
(1,191)	1:77:A:ALA:HB2	1:75:A:SER:H	5	1.06
(1,191)	1:77:A:ALA:HB3	1:75:A:SER:H	5	1.06
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD21	20	1.05
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD22	20	1.05
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD23	20	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2188)	1:22:B:ARG:H	1:23:B:VAL:H	3	1.05
(1,2084)	1:41:B:ARG:HB3	1:42:B:GLY:H	14	1.05
(1,2083)	1:41:A:ARG:HB3	1:42:A:GLY:H	14	1.05
(1,1614)	1:96:B:ASN:HD22	1:97:B:ARG:HG3	6	1.05
(1,1082)	1:93:B:ASN:HD21	1:91:B:MET:H	2	1.05
(1,783)	1:22:A:ARG:HG3	1:23:A:VAL:H	17	1.05
(1,547)	1:70:B:GLY:H	1:68:B:ARG:HE	16	1.05
(1,458)	1:26:B:VAL:HA	1:22:B:ARG:HG3	17	1.05
(1,333)	1:62:A:THR:HG21	1:64:A:GLY:HA2	6	1.05
(1,333)	1:62:A:THR:HG22	1:64:A:GLY:HA2	6	1.05
(1,333)	1:62:A:THR:HG23	1:64:A:GLY:HA2	6	1.05
(1,333)	1:62:A:THR:HG21	1:64:A:GLY:HA2	17	1.05
(1,333)	1:62:A:THR:HG22	1:64:A:GLY:HA2	17	1.05
(1,333)	1:62:A:THR:HG23	1:64:A:GLY:HA2	17	1.05
(1,332)	1:62:B:THR:HG21	1:64:B:GLY:HA2	6	1.05
(1,332)	1:62:B:THR:HG22	1:64:B:GLY:HA2	6	1.05
(1,332)	1:62:B:THR:HG23	1:64:B:GLY:HA2	6	1.05
(1,332)	1:62:B:THR:HG21	1:64:B:GLY:HA2	17	1.05
(1,332)	1:62:B:THR:HG22	1:64:B:GLY:HA2	17	1.05
(1,332)	1:62:B:THR:HG23	1:64:B:GLY:HA2	17	1.05
(1,192)	1:77:B:ALA:HB1	1:75:B:SER:H	5	1.05
(1,192)	1:77:B:ALA:HB2	1:75:B:SER:H	5	1.05
(1,192)	1:77:B:ALA:HB3	1:75:B:SER:H	5	1.05
(2,229)	1:93:A:ASN:HD21	1:91:A:MET:H	2	1.04
(2,187)	1:76:A:LYS:HB2	1:76:A:LYS:H	5	1.04
(2,69)	1:63:B:ALA:HB1	1:67:B:LYS:HD3	13	1.04
(2,69)	1:63:B:ALA:HB2	1:67:B:LYS:HD3	13	1.04
(2,69)	1:63:B:ALA:HB3	1:67:B:LYS:HD3	13	1.04
(2,36)	1:63:A:ALA:HB1	1:67:A:LYS:HD3	13	1.04
(2,36)	1:63:A:ALA:HB2	1:67:A:LYS:HD3	13	1.04
(2,36)	1:63:A:ALA:HB3	1:67:A:LYS:HD3	13	1.04
(1,3258)	1:92:B:LEU:HD21	1:85:A:ARG:HB3	6	1.04
(1,3258)	1:92:B:LEU:HD22	1:85:A:ARG:HB3	6	1.04
(1,3258)	1:92:B:LEU:HD23	1:85:A:ARG:HB3	6	1.04
(1,2826)	1:51:A:VAL:HG21	1:55:A:ARG:HD3	9	1.04
(1,2826)	1:51:A:VAL:HG22	1:55:A:ARG:HD3	9	1.04
(1,2826)	1:51:A:VAL:HG23	1:55:A:ARG:HD3	9	1.04
(1,2825)	1:51:B:VAL:HG21	1:55:B:ARG:HD3	9	1.04
(1,2825)	1:51:B:VAL:HG22	1:55:B:ARG:HD3	9	1.04
(1,2825)	1:51:B:VAL:HG23	1:55:B:ARG:HD3	9	1.04
(1,2368)	1:54:B:LEU:HG	1:51:B:VAL:HA	20	1.04
(1,2367)	1:54:A:LEU:HG	1:51:A:VAL:HA	20	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2187)	1:22:A:ARG:H	1:23:A:VAL:H	3	1.04
(1,2137)	1:96:A:ASN:HD21	1:97:A:ARG:H	2	1.04
(1,2136)	1:96:B:ASN:HD21	1:97:B:ARG:H	2	1.04
(1,2068)	1:30:B:THR:HG21	1:22:B:ARG:HG2	8	1.04
(1,2068)	1:30:B:THR:HG22	1:22:B:ARG:HG2	8	1.04
(1,2068)	1:30:B:THR:HG23	1:22:B:ARG:HG2	8	1.04
(1,2067)	1:30:A:THR:HG21	1:22:A:ARG:HG2	8	1.04
(1,2067)	1:30:A:THR:HG22	1:22:A:ARG:HG2	8	1.04
(1,2067)	1:30:A:THR:HG23	1:22:A:ARG:HG2	8	1.04
(1,663)	1:62:A:THR:H	1:66:A:LEU:H	17	1.04
(1,662)	1:62:B:THR:H	1:66:B:LEU:H	17	1.04
(1,362)	1:76:B:LYS:HB2	1:76:B:LYS:H	5	1.04
(1,228)	1:74:A:LYS:HE3	1:98:B:ARG:HD2	6	1.04
(1,157)	1:78:A:ILE:HG21	1:96:B:ASN:HD21	14	1.04
(1,157)	1:78:A:ILE:HG22	1:96:B:ASN:HD21	14	1.04
(1,157)	1:78:A:ILE:HG23	1:96:B:ASN:HD21	14	1.04
(2,69)	1:63:B:ALA:HB1	1:67:B:LYS:HD3	6	1.03
(2,69)	1:63:B:ALA:HB2	1:67:B:LYS:HD3	6	1.03
(2,69)	1:63:B:ALA:HB3	1:67:B:LYS:HD3	6	1.03
(2,36)	1:63:A:ALA:HB1	1:67:A:LYS:HD3	6	1.03
(2,36)	1:63:A:ALA:HB2	1:67:A:LYS:HD3	6	1.03
(2,36)	1:63:A:ALA:HB3	1:67:A:LYS:HD3	6	1.03
(1,3400)	1:25:A:THR:HG21	1:28:A:GLN:HE21	15	1.03
(1,3400)	1:25:A:THR:HG22	1:28:A:GLN:HE21	15	1.03
(1,3400)	1:25:A:THR:HG23	1:28:A:GLN:HE21	15	1.03
(1,3399)	1:25:B:THR:HG21	1:28:B:GLN:HE21	15	1.03
(1,3399)	1:25:B:THR:HG22	1:28:B:GLN:HE21	15	1.03
(1,3399)	1:25:B:THR:HG23	1:28:B:GLN:HE21	15	1.03
(1,3248)	1:26:A:VAL:HG21	1:27:A:GLN:HG3	12	1.03
(1,3248)	1:26:A:VAL:HG22	1:27:A:GLN:HG3	12	1.03
(1,3248)	1:26:A:VAL:HG23	1:27:A:GLN:HG3	12	1.03
(1,2566)	1:62:B:THR:HG21	1:65:B:ILE:HG12	11	1.03
(1,2566)	1:62:B:THR:HG22	1:65:B:ILE:HG12	11	1.03
(1,2566)	1:62:B:THR:HG23	1:65:B:ILE:HG12	11	1.03
(1,2565)	1:62:A:THR:HG21	1:65:A:ILE:HG12	11	1.03
(1,2565)	1:62:A:THR:HG22	1:65:A:ILE:HG12	11	1.03
(1,2565)	1:62:A:THR:HG23	1:65:A:ILE:HG12	11	1.03
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD11	7	1.03
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD12	7	1.03
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD13	7	1.03
(1,2137)	1:96:A:ASN:HD21	1:97:A:ARG:H	7	1.03
(1,2136)	1:96:B:ASN:HD21	1:97:B:ARG:H	7	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1944)	1:98:B:ARG:H	1:98:B:ARG:HD3	3	1.03
(1,1637)	1:28:B:GLN:H	1:24:B:SER:H	3	1.03
(1,1636)	1:28:A:GLN:H	1:24:A:SER:H	3	1.03
(1,417)	1:57:B:LEU:HD21	1:59:B:ILE:H	8	1.03
(1,417)	1:57:B:LEU:HD22	1:59:B:ILE:H	8	1.03
(1,417)	1:57:B:LEU:HD23	1:59:B:ILE:H	8	1.03
(1,417)	1:57:B:LEU:HD21	1:59:B:ILE:H	9	1.03
(1,417)	1:57:B:LEU:HD22	1:59:B:ILE:H	9	1.03
(1,417)	1:57:B:LEU:HD23	1:59:B:ILE:H	9	1.03
(2,338)	1:63:B:ALA:HA	1:67:B:LYS:HD3	2	1.02
(2,285)	1:92:A:LEU:HD21	1:85:B:ARG:HB3	6	1.02
(2,285)	1:92:A:LEU:HD22	1:85:B:ARG:HB3	6	1.02
(2,285)	1:92:A:LEU:HD23	1:85:B:ARG:HB3	6	1.02
(2,283)	1:93:A:ASN:HD21	1:92:A:LEU:H	8	1.02
(2,36)	1:63:A:ALA:HB1	1:67:A:LYS:HD3	10	1.02
(2,36)	1:63:A:ALA:HB2	1:67:A:LYS:HD3	10	1.02
(2,36)	1:63:A:ALA:HB3	1:67:A:LYS:HD3	10	1.02
(1,3288)	1:97:A:ARG:H	1:98:A:ARG:HD3	16	1.02
(1,3287)	1:97:B:ARG:H	1:98:B:ARG:HD3	16	1.02
(1,3251)	1:39:B:GLN:HB3	1:41:B:ARG:HG3	20	1.02
(1,3250)	1:39:A:GLN:HB3	1:41:A:ARG:HG3	20	1.02
(1,3041)	1:27:A:GLN:HA	1:30:A:THR:HB	4	1.02
(1,2566)	1:62:B:THR:HG21	1:65:B:ILE:HG12	17	1.02
(1,2566)	1:62:B:THR:HG22	1:65:B:ILE:HG12	17	1.02
(1,2566)	1:62:B:THR:HG23	1:65:B:ILE:HG12	17	1.02
(1,2565)	1:62:A:THR:HG21	1:65:A:ILE:HG12	17	1.02
(1,2565)	1:62:A:THR:HG22	1:65:A:ILE:HG12	17	1.02
(1,2565)	1:62:A:THR:HG23	1:65:A:ILE:HG12	17	1.02
(1,2561)	1:27:B:GLN:HB3	1:23:B:VAL:HG21	17	1.02
(1,2561)	1:27:B:GLN:HB3	1:23:B:VAL:HG22	17	1.02
(1,2561)	1:27:B:GLN:HB3	1:23:B:VAL:HG23	17	1.02
(1,1945)	1:98:A:ARG:H	1:98:A:ARG:HD3	3	1.02
(1,1358)	1:29:B:LEU:HG	1:28:B:GLN:HE21	12	1.02
(1,1357)	1:29:A:LEU:HG	1:28:A:GLN:HE21	12	1.02
(1,1124)	1:57:B:LEU:HD21	1:46:A:LEU:HA	4	1.02
(1,1124)	1:57:B:LEU:HD22	1:46:A:LEU:HA	4	1.02
(1,1124)	1:57:B:LEU:HD23	1:46:A:LEU:HA	4	1.02
(1,841)	1:78:B:ILE:HB	1:75:B:SER:H	5	1.02
(1,840)	1:78:A:ILE:HB	1:75:A:SER:H	5	1.02
(1,823)	1:63:A:ALA:HA	1:67:A:LYS:HD3	2	1.02
(1,228)	1:74:A:LYS:HE3	1:98:B:ARG:HD2	14	1.02
(1,213)	1:83:A:GLY:HA2	1:87:A:GLU:HG2	11	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,212)	1:83:B:GLY:HA2	1:87:B:GLU:HG2	11	1.02
(2,118)	1:76:B:LYS:H	1:73:B:LYS:HD3	5	1.01
(2,69)	1:63:B:ALA:HB1	1:67:B:LYS:HD3	10	1.01
(2,69)	1:63:B:ALA:HB2	1:67:B:LYS:HD3	10	1.01
(2,69)	1:63:B:ALA:HB3	1:67:B:LYS:HD3	10	1.01
(1,3230)	1:29:B:LEU:HD21	1:50:B:LEU:HG	14	1.01
(1,3230)	1:29:B:LEU:HD22	1:50:B:LEU:HG	14	1.01
(1,3230)	1:29:B:LEU:HD23	1:50:B:LEU:HG	14	1.01
(1,3229)	1:29:A:LEU:HD21	1:50:A:LEU:HG	14	1.01
(1,3229)	1:29:A:LEU:HD22	1:50:A:LEU:HG	14	1.01
(1,3229)	1:29:A:LEU:HD23	1:50:A:LEU:HG	14	1.01
(1,3202)	1:41:B:ARG:HB3	1:47:B:PHE:HB3	5	1.01
(1,3040)	1:27:B:GLN:HA	1:30:B:THR:HB	4	1.01
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD21	1	1.01
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD22	1	1.01
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD23	1	1.01
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD21	1	1.01
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD22	1	1.01
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD23	1	1.01
(1,2754)	1:76:A:LYS:H	1:73:A:LYS:HD3	5	1.01
(1,2612)	1:55:B:ARG:HA	1:54:B:LEU:HB3	4	1.01
(1,2611)	1:55:A:ARG:HA	1:54:A:LEU:HB3	4	1.01
(1,2522)	1:74:A:LYS:HG2	1:98:B:ARG:HG3	1	1.01
(1,1944)	1:98:B:ARG:H	1:98:B:ARG:HD3	2	1.01
(1,1870)	1:22:B:ARG:HG3	1:21:B:ASN:HA	2	1.01
(1,1536)	1:52:A:ALA:H	1:51:A:VAL:HB	16	1.01
(1,1535)	1:52:B:ALA:H	1:51:B:VAL:HB	16	1.01
(1,1263)	1:42:B:GLY:HA2	1:43:B:PRO:HD3	18	1.01
(1,1262)	1:42:A:GLY:HA2	1:43:A:PRO:HD3	18	1.01
(1,1141)	1:97:B:ARG:H	1:98:B:ARG:HG2	14	1.01
(1,773)	1:30:A:THR:HG21	1:27:A:GLN:HA	18	1.01
(1,773)	1:30:A:THR:HG22	1:27:A:GLN:HA	18	1.01
(1,773)	1:30:A:THR:HG23	1:27:A:GLN:HA	18	1.01
(1,772)	1:30:B:THR:HG21	1:27:B:GLN:HA	18	1.01
(1,772)	1:30:B:THR:HG22	1:27:B:GLN:HA	18	1.01
(1,772)	1:30:B:THR:HG23	1:27:B:GLN:HA	18	1.01
(1,279)	1:41:B:ARG:H	1:38:B:LEU:HA	20	1.01
(1,212)	1:83:B:GLY:HA2	1:87:B:GLU:HG2	10	1.01
(1,3395)	1:80:A:VAL:HG11	1:79:A:ASN:HA	3	1.0
(1,3395)	1:80:A:VAL:HG12	1:79:A:ASN:HA	3	1.0
(1,3395)	1:80:A:VAL:HG13	1:79:A:ASN:HA	3	1.0
(1,3395)	1:80:A:VAL:HG11	1:79:A:ASN:HA	7	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3395)	1:80:A:VAL:HG12	1:79:A:ASN:HA	7	1.0
(1,3395)	1:80:A:VAL:HG13	1:79:A:ASN:HA	7	1.0
(1,3201)	1:41:A:ARG:HB3	1:47:A:PHE:HB3	5	1.0
(1,2368)	1:54:B:LEU:HG	1:51:B:VAL:HA	2	1.0
(1,2367)	1:54:A:LEU:HG	1:51:A:VAL:HA	2	1.0
(1,1945)	1:98:A:ARG:H	1:98:A:ARG:HD3	2	1.0
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	8	1.0
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	8	1.0
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	8	1.0
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	8	1.0
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	8	1.0
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	8	1.0
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	8	1.0
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	8	1.0
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	8	1.0
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	8	1.0
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	8	1.0
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	8	1.0
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD11	5	1.0
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD12	5	1.0
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD13	5	1.0
(1,1155)	1:30:B:THR:HG21	1:28:B:GLN:H	17	1.0
(1,1155)	1:30:B:THR:HG22	1:28:B:GLN:H	17	1.0
(1,1155)	1:30:B:THR:HG23	1:28:B:GLN:H	17	1.0
(1,1154)	1:30:A:THR:HG21	1:28:A:GLN:H	17	1.0
(1,1154)	1:30:A:THR:HG22	1:28:A:GLN:H	17	1.0
(1,1154)	1:30:A:THR:HG23	1:28:A:GLN:H	17	1.0
(1,1140)	1:97:A:ARG:H	1:98:A:ARG:HG2	14	1.0
(1,772)	1:30:B:THR:HG21	1:27:B:GLN:HA	5	1.0
(1,772)	1:30:B:THR:HG22	1:27:B:GLN:HA	5	1.0
(1,772)	1:30:B:THR:HG23	1:27:B:GLN:HA	5	1.0
(1,772)	1:30:B:THR:HG21	1:27:B:GLN:HA	9	1.0
(1,772)	1:30:B:THR:HG22	1:27:B:GLN:HA	9	1.0
(1,772)	1:30:B:THR:HG23	1:27:B:GLN:HA	9	1.0
(1,278)	1:41:A:ARG:H	1:38:A:LEU:HA	20	1.0
(1,213)	1:83:A:GLY:HA2	1:87:A:GLU:HG2	10	1.0
(1,212)	1:83:B:GLY:HA2	1:87:B:GLU:HG2	20	1.0
(1,67)	1:77:B:ALA:HB1	1:72:B:ILE:HG13	13	1.0
(1,67)	1:77:B:ALA:HB2	1:72:B:ILE:HG13	13	1.0
(1,67)	1:77:B:ALA:HB3	1:72:B:ILE:HG13	13	1.0
(1,66)	1:77:A:ALA:HB1	1:72:A:ILE:HG13	13	1.0
(1,66)	1:77:A:ALA:HB2	1:72:A:ILE:HG13	13	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,66)	1:77:A:ALA:HB3	1:72:A:ILE:HG13	13	1.0
(1,3395)	1:80:A:VAL:HG11	1:79:A:ASN:HA	8	0.99
(1,3395)	1:80:A:VAL:HG12	1:79:A:ASN:HA	8	0.99
(1,3395)	1:80:A:VAL:HG13	1:79:A:ASN:HA	8	0.99
(1,3395)	1:80:A:VAL:HG11	1:79:A:ASN:HA	17	0.99
(1,3395)	1:80:A:VAL:HG12	1:79:A:ASN:HA	17	0.99
(1,3395)	1:80:A:VAL:HG13	1:79:A:ASN:HA	17	0.99
(1,3361)	1:51:B:VAL:HG11	1:65:B:ILE:HG13	8	0.99
(1,3361)	1:51:B:VAL:HG12	1:65:B:ILE:HG13	8	0.99
(1,3361)	1:51:B:VAL:HG13	1:65:B:ILE:HG13	8	0.99
(1,3361)	1:51:B:VAL:HG11	1:65:B:ILE:HG13	20	0.99
(1,3361)	1:51:B:VAL:HG12	1:65:B:ILE:HG13	20	0.99
(1,3361)	1:51:B:VAL:HG13	1:65:B:ILE:HG13	20	0.99
(1,3360)	1:51:A:VAL:HG11	1:65:A:ILE:HG13	8	0.99
(1,3360)	1:51:A:VAL:HG12	1:65:A:ILE:HG13	8	0.99
(1,3360)	1:51:A:VAL:HG13	1:65:A:ILE:HG13	8	0.99
(1,3360)	1:51:A:VAL:HG11	1:65:A:ILE:HG13	20	0.99
(1,3360)	1:51:A:VAL:HG12	1:65:A:ILE:HG13	20	0.99
(1,3360)	1:51:A:VAL:HG13	1:65:A:ILE:HG13	20	0.99
(1,2682)	1:26:A:VAL:HG11	1:22:A:ARG:HG3	1	0.99
(1,2682)	1:26:A:VAL:HG12	1:22:A:ARG:HG3	1	0.99
(1,2682)	1:26:A:VAL:HG13	1:22:A:ARG:HG3	1	0.99
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD21	11	0.99
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD22	11	0.99
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD23	11	0.99
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD21	11	0.99
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD22	11	0.99
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD23	11	0.99
(1,773)	1:30:A:THR:HG21	1:27:A:GLN:HA	5	0.99
(1,773)	1:30:A:THR:HG22	1:27:A:GLN:HA	5	0.99
(1,773)	1:30:A:THR:HG23	1:27:A:GLN:HA	5	0.99
(1,773)	1:30:A:THR:HG21	1:27:A:GLN:HA	9	0.99
(1,773)	1:30:A:THR:HG22	1:27:A:GLN:HA	9	0.99
(1,773)	1:30:A:THR:HG23	1:27:A:GLN:HA	9	0.99
(1,417)	1:57:B:LEU:HD21	1:59:B:ILE:H	17	0.99
(1,417)	1:57:B:LEU:HD22	1:59:B:ILE:H	17	0.99
(1,417)	1:57:B:LEU:HD23	1:59:B:ILE:H	17	0.99
(1,194)	1:91:A:MET:HG3	1:87:A:GLU:HA	2	0.99
(2,291)	1:62:A:THR:HB	1:24:A:SER:HB2	8	0.98
(2,290)	1:62:B:THR:HB	1:24:B:SER:HB2	8	0.98
(1,3395)	1:80:A:VAL:HG11	1:79:A:ASN:HA	6	0.98
(1,3395)	1:80:A:VAL:HG12	1:79:A:ASN:HA	6	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3395)	1:80:A:VAL:HG13	1:79:A:ASN:HA	6	0.98
(1,3395)	1:80:A:VAL:HG11	1:79:A:ASN:HA	10	0.98
(1,3395)	1:80:A:VAL:HG12	1:79:A:ASN:HA	10	0.98
(1,3395)	1:80:A:VAL:HG13	1:79:A:ASN:HA	10	0.98
(1,3395)	1:80:A:VAL:HG11	1:79:A:ASN:HA	13	0.98
(1,3395)	1:80:A:VAL:HG12	1:79:A:ASN:HA	13	0.98
(1,3395)	1:80:A:VAL:HG13	1:79:A:ASN:HA	13	0.98
(1,3395)	1:80:A:VAL:HG11	1:79:A:ASN:HA	14	0.98
(1,3395)	1:80:A:VAL:HG12	1:79:A:ASN:HA	14	0.98
(1,3395)	1:80:A:VAL:HG13	1:79:A:ASN:HA	14	0.98
(1,3395)	1:80:A:VAL:HG11	1:79:A:ASN:HA	20	0.98
(1,3395)	1:80:A:VAL:HG12	1:79:A:ASN:HA	20	0.98
(1,3395)	1:80:A:VAL:HG13	1:79:A:ASN:HA	20	0.98
(1,3361)	1:51:B:VAL:HG11	1:65:B:ILE:HG13	3	0.98
(1,3361)	1:51:B:VAL:HG12	1:65:B:ILE:HG13	3	0.98
(1,3361)	1:51:B:VAL:HG13	1:65:B:ILE:HG13	3	0.98
(1,3360)	1:51:A:VAL:HG11	1:65:A:ILE:HG13	3	0.98
(1,3360)	1:51:A:VAL:HG12	1:65:A:ILE:HG13	3	0.98
(1,3360)	1:51:A:VAL:HG13	1:65:A:ILE:HG13	3	0.98
(1,3098)	1:65:A:ILE:HD11	1:25:A:THR:HB	1	0.98
(1,3098)	1:65:A:ILE:HD12	1:25:A:THR:HB	1	0.98
(1,3098)	1:65:A:ILE:HD13	1:25:A:THR:HB	1	0.98
(1,3097)	1:65:B:ILE:HD11	1:25:B:THR:HB	1	0.98
(1,3097)	1:65:B:ILE:HD12	1:25:B:THR:HB	1	0.98
(1,3097)	1:65:B:ILE:HD13	1:25:B:THR:HB	1	0.98
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD21	6	0.98
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD22	6	0.98
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD23	6	0.98
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD21	6	0.98
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD22	6	0.98
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD23	6	0.98
(1,2359)	1:28:B:GLN:HA	1:28:B:GLN:HG2	4	0.98
(1,2358)	1:28:A:GLN:HA	1:28:A:GLN:HG2	4	0.98
(1,2256)	1:57:A:LEU:HD11	1:45:B:LYS:HE3	6	0.98
(1,2256)	1:57:A:LEU:HD12	1:45:B:LYS:HE3	6	0.98
(1,2256)	1:57:A:LEU:HD13	1:45:B:LYS:HE3	6	0.98
(1,1478)	1:54:B:LEU:HB2	1:53:B:PHE:H	3	0.98
(1,1477)	1:54:A:LEU:HB2	1:53:A:PHE:H	3	0.98
(1,1333)	1:45:B:LYS:HG2	1:45:B:LYS:H	10	0.98
(1,213)	1:83:A:GLY:HA2	1:87:A:GLU:HG2	20	0.98
(1,156)	1:78:B:ILE:HG21	1:96:A:ASN:HD21	14	0.98
(1,156)	1:78:B:ILE:HG22	1:96:A:ASN:HD21	14	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,156)	1:78:B:ILE:HG23	1:96:A:ASN:HD21	14	0.98
(1,71)	1:92:B:LEU:HD21	1:82:A:ARG:HA	10	0.98
(1,71)	1:92:B:LEU:HD22	1:82:A:ARG:HA	10	0.98
(1,71)	1:92:B:LEU:HD23	1:82:A:ARG:HA	10	0.98
(2,312)	1:21:B:ASN:HB2	1:23:B:VAL:H	3	0.97
(2,283)	1:93:A:ASN:HD21	1:92:A:LEU:H	1	0.97
(1,3395)	1:80:A:VAL:HG11	1:79:A:ASN:HA	5	0.97
(1,3395)	1:80:A:VAL:HG12	1:79:A:ASN:HA	5	0.97
(1,3395)	1:80:A:VAL:HG13	1:79:A:ASN:HA	5	0.97
(1,3395)	1:80:A:VAL:HG11	1:79:A:ASN:HA	11	0.97
(1,3395)	1:80:A:VAL:HG12	1:79:A:ASN:HA	11	0.97
(1,3395)	1:80:A:VAL:HG13	1:79:A:ASN:HA	11	0.97
(1,3339)	1:62:A:THR:HA	1:25:A:THR:HB	10	0.97
(1,3032)	1:79:B:ASN:H	1:82:B:ARG:HD3	8	0.97
(1,3031)	1:79:A:ASN:H	1:82:A:ARG:HD3	8	0.97
(1,2880)	1:62:A:THR:HB	1:22:A:ARG:HB3	17	0.97
(1,2879)	1:62:B:THR:HB	1:22:B:ARG:HB3	17	0.97
(1,2645)	1:78:A:ILE:HD11	1:96:B:ASN:HD21	12	0.97
(1,2645)	1:78:A:ILE:HD12	1:96:B:ASN:HD21	12	0.97
(1,2645)	1:78:A:ILE:HD13	1:96:B:ASN:HD21	12	0.97
(1,2612)	1:55:B:ARG:HA	1:54:B:LEU:HB3	19	0.97
(1,2611)	1:55:A:ARG:HA	1:54:A:LEU:HB3	19	0.97
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD11	5	0.97
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD12	5	0.97
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD13	5	0.97
(1,2397)	1:90:A:ARG:H	1:90:A:ARG:HD3	14	0.97
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD21	7	0.97
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD22	7	0.97
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD23	7	0.97
(1,1332)	1:45:A:LYS:HG2	1:45:A:LYS:H	10	0.97
(1,1189)	1:75:B:SER:HB3	1:73:B:LYS:HE2	10	0.97
(1,1188)	1:75:A:SER:HB3	1:73:A:LYS:HE2	10	0.97
(1,773)	1:30:A:THR:HG21	1:27:A:GLN:HA	11	0.97
(1,773)	1:30:A:THR:HG22	1:27:A:GLN:HA	11	0.97
(1,773)	1:30:A:THR:HG23	1:27:A:GLN:HA	11	0.97
(1,772)	1:30:B:THR:HG21	1:27:B:GLN:HA	11	0.97
(1,772)	1:30:B:THR:HG22	1:27:B:GLN:HA	11	0.97
(1,772)	1:30:B:THR:HG23	1:27:B:GLN:HA	11	0.97
(1,496)	1:26:A:VAL:HG21	1:28:A:GLN:H	3	0.97
(1,496)	1:26:A:VAL:HG22	1:28:A:GLN:H	3	0.97
(1,496)	1:26:A:VAL:HG23	1:28:A:GLN:H	3	0.97
(1,496)	1:26:A:VAL:HG21	1:28:A:GLN:H	17	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,496)	1:26:A:VAL:HG22	1:28:A:GLN:H	17	0.97
(1,496)	1:26:A:VAL:HG23	1:28:A:GLN:H	17	0.97
(1,213)	1:83:A:GLY:HA2	1:87:A:GLU:HG2	7	0.97
(1,194)	1:91:A:MET:HG3	1:87:A:GLU:HA	12	0.97
(1,3395)	1:80:A:VAL:HG11	1:79:A:ASN:HA	2	0.96
(1,3395)	1:80:A:VAL:HG12	1:79:A:ASN:HA	2	0.96
(1,3395)	1:80:A:VAL:HG13	1:79:A:ASN:HA	2	0.96
(1,3395)	1:80:A:VAL:HG11	1:79:A:ASN:HA	12	0.96
(1,3395)	1:80:A:VAL:HG12	1:79:A:ASN:HA	12	0.96
(1,3395)	1:80:A:VAL:HG13	1:79:A:ASN:HA	12	0.96
(1,3395)	1:80:A:VAL:HG11	1:79:A:ASN:HA	16	0.96
(1,3395)	1:80:A:VAL:HG12	1:79:A:ASN:HA	16	0.96
(1,3395)	1:80:A:VAL:HG13	1:79:A:ASN:HA	16	0.96
(1,3340)	1:62:B:THR:HA	1:25:B:THR:HB	10	0.96
(1,2523)	1:74:B:LYS:HG2	1:98:A:ARG:HG3	1	0.96
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD11	5	0.96
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD12	5	0.96
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD13	5	0.96
(1,2397)	1:90:A:ARG:H	1:90:A:ARG:HD3	8	0.96
(1,2396)	1:90:B:ARG:H	1:90:B:ARG:HD3	8	0.96
(1,2396)	1:90:B:ARG:H	1:90:B:ARG:HD3	14	0.96
(1,2256)	1:57:A:LEU:HD11	1:45:B:LYS:HE3	2	0.96
(1,2256)	1:57:A:LEU:HD12	1:45:B:LYS:HE3	2	0.96
(1,2256)	1:57:A:LEU:HD13	1:45:B:LYS:HE3	2	0.96
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD21	7	0.96
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD22	7	0.96
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD23	7	0.96
(1,1828)	1:92:A:LEU:H	1:89:A:GLY:HA3	8	0.96
(1,1219)	1:21:A:ASN:HB2	1:23:A:VAL:H	3	0.96
(1,717)	1:44:B:LEU:HD21	1:73:B:LYS:H	13	0.96
(1,717)	1:44:B:LEU:HD22	1:73:B:LYS:H	13	0.96
(1,717)	1:44:B:LEU:HD23	1:73:B:LYS:H	13	0.96
(1,716)	1:44:A:LEU:HD21	1:73:A:LYS:H	13	0.96
(1,716)	1:44:A:LEU:HD22	1:73:A:LYS:H	13	0.96
(1,716)	1:44:A:LEU:HD23	1:73:A:LYS:H	13	0.96
(1,417)	1:57:B:LEU:HD21	1:59:B:ILE:H	13	0.96
(1,417)	1:57:B:LEU:HD22	1:59:B:ILE:H	13	0.96
(1,417)	1:57:B:LEU:HD23	1:59:B:ILE:H	13	0.96
(1,320)	1:95:A:LEU:HA	1:98:A:ARG:HD2	12	0.96
(1,212)	1:83:B:GLY:HA2	1:87:B:GLU:HG2	7	0.96
(1,70)	1:92:A:LEU:HD21	1:82:B:ARG:HA	10	0.96
(1,70)	1:92:A:LEU:HD22	1:82:B:ARG:HA	10	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,70)	1:92:A:LEU:HD23	1:82:B:ARG:HA	10	0.96
(1,3410)	1:94:A:ILE:HA	1:97:A:ARG:HB2	1	0.95
(1,3395)	1:80:A:VAL:HG11	1:79:A:ASN:HA	4	0.95
(1,3395)	1:80:A:VAL:HG12	1:79:A:ASN:HA	4	0.95
(1,3395)	1:80:A:VAL:HG13	1:79:A:ASN:HA	4	0.95
(1,3395)	1:80:A:VAL:HG11	1:79:A:ASN:HA	9	0.95
(1,3395)	1:80:A:VAL:HG12	1:79:A:ASN:HA	9	0.95
(1,3395)	1:80:A:VAL:HG13	1:79:A:ASN:HA	9	0.95
(1,3395)	1:80:A:VAL:HG11	1:79:A:ASN:HA	18	0.95
(1,3395)	1:80:A:VAL:HG12	1:79:A:ASN:HA	18	0.95
(1,3395)	1:80:A:VAL:HG13	1:79:A:ASN:HA	18	0.95
(1,3248)	1:26:A:VAL:HG21	1:27:A:GLN:HG3	17	0.95
(1,3248)	1:26:A:VAL:HG22	1:27:A:GLN:HG3	17	0.95
(1,3248)	1:26:A:VAL:HG23	1:27:A:GLN:HG3	17	0.95
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD21	16	0.95
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD22	16	0.95
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD23	16	0.95
(1,2632)	1:52:B:ALA:HA	1:55:B:ARG:HD2	12	0.95
(1,2631)	1:52:A:ALA:HA	1:55:A:ARG:HD2	12	0.95
(1,2423)	1:23:B:VAL:HG21	1:63:B:ALA:H	6	0.95
(1,2423)	1:23:B:VAL:HG22	1:63:B:ALA:H	6	0.95
(1,2423)	1:23:B:VAL:HG23	1:63:B:ALA:H	6	0.95
(1,2255)	1:57:B:LEU:HD11	1:45:A:LYS:HE3	2	0.95
(1,2255)	1:57:B:LEU:HD12	1:45:A:LYS:HE3	2	0.95
(1,2255)	1:57:B:LEU:HD13	1:45:A:LYS:HE3	2	0.95
(1,2059)	1:57:B:LEU:HD21	1:46:A:LEU:H	20	0.95
(1,2059)	1:57:B:LEU:HD22	1:46:A:LEU:H	20	0.95
(1,2059)	1:57:B:LEU:HD23	1:46:A:LEU:H	20	0.95
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD21	3	0.95
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD22	3	0.95
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD23	3	0.95
(1,1275)	1:23:B:VAL:H	1:24:B:SER:HA	3	0.95
(1,1274)	1:23:A:VAL:H	1:24:A:SER:HA	3	0.95
(1,984)	1:23:B:VAL:HG21	1:24:B:SER:H	17	0.95
(1,984)	1:23:B:VAL:HG22	1:24:B:SER:H	17	0.95
(1,984)	1:23:B:VAL:HG23	1:24:B:SER:H	17	0.95
(1,663)	1:62:A:THR:H	1:66:A:LEU:H	9	0.95
(1,662)	1:62:B:THR:H	1:66:B:LEU:H	9	0.95
(1,321)	1:95:B:LEU:HA	1:98:B:ARG:HD2	12	0.95
(1,279)	1:41:B:ARG:H	1:38:B:LEU:HA	13	0.95
(1,278)	1:41:A:ARG:H	1:38:A:LEU:HA	13	0.95
(1,155)	1:71:B:THR:HG21	1:42:B:GLY:HA2	17	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:71:B:THR:HG22	1:42:B:GLY:HA2	17	0.95
(1,155)	1:71:B:THR:HG23	1:42:B:GLY:HA2	17	0.95
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD21	18	0.95
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD22	18	0.95
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD23	18	0.95
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD21	18	0.95
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD22	18	0.95
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD23	18	0.95
(1,71)	1:92:B:LEU:HD21	1:82:A:ARG:HA	15	0.95
(1,71)	1:92:B:LEU:HD22	1:82:A:ARG:HA	15	0.95
(1,71)	1:92:B:LEU:HD23	1:82:A:ARG:HA	15	0.95
(2,172)	1:61:B:PRO:HB2	1:66:B:LEU:HD21	17	0.94
(2,172)	1:61:B:PRO:HB2	1:66:B:LEU:HD22	17	0.94
(2,172)	1:61:B:PRO:HB2	1:66:B:LEU:HD23	17	0.94
(2,145)	1:27:A:GLN:HB3	1:23:A:VAL:HG11	17	0.94
(2,145)	1:27:A:GLN:HB3	1:23:A:VAL:HG12	17	0.94
(2,145)	1:27:A:GLN:HB3	1:23:A:VAL:HG13	17	0.94
(1,3409)	1:94:B:ILE:HA	1:97:B:ARG:HB2	1	0.94
(1,3395)	1:80:A:VAL:HG11	1:79:A:ASN:HA	1	0.94
(1,3395)	1:80:A:VAL:HG12	1:79:A:ASN:HA	1	0.94
(1,3395)	1:80:A:VAL:HG13	1:79:A:ASN:HA	1	0.94
(1,3395)	1:80:A:VAL:HG11	1:79:A:ASN:HA	15	0.94
(1,3395)	1:80:A:VAL:HG12	1:79:A:ASN:HA	15	0.94
(1,3395)	1:80:A:VAL:HG13	1:79:A:ASN:HA	15	0.94
(1,3258)	1:92:B:LEU:HD21	1:85:A:ARG:HB3	8	0.94
(1,3258)	1:92:B:LEU:HD22	1:85:A:ARG:HB3	8	0.94
(1,3258)	1:92:B:LEU:HD23	1:85:A:ARG:HB3	8	0.94
(1,3066)	1:24:A:SER:HB2	1:23:A:VAL:H	10	0.94
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD21	16	0.94
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD22	16	0.94
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD23	16	0.94
(1,2644)	1:78:B:ILE:HD11	1:96:A:ASN:HD21	12	0.94
(1,2644)	1:78:B:ILE:HD12	1:96:A:ASN:HD21	12	0.94
(1,2644)	1:78:B:ILE:HD13	1:96:A:ASN:HD21	12	0.94
(1,2255)	1:57:B:LEU:HD11	1:45:A:LYS:HE3	3	0.94
(1,2255)	1:57:B:LEU:HD12	1:45:A:LYS:HE3	3	0.94
(1,2255)	1:57:B:LEU:HD13	1:45:A:LYS:HE3	3	0.94
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD21	3	0.94
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD22	3	0.94
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD23	3	0.94
(1,773)	1:30:A:THR:HG21	1:27:A:GLN:HA	2	0.94
(1,773)	1:30:A:THR:HG22	1:27:A:GLN:HA	2	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,773)	1:30:A:THR:HG23	1:27:A:GLN:HA	2	0.94
(1,772)	1:30:B:THR:HG21	1:27:B:GLN:HA	2	0.94
(1,772)	1:30:B:THR:HG22	1:27:B:GLN:HA	2	0.94
(1,772)	1:30:B:THR:HG23	1:27:B:GLN:HA	2	0.94
(1,754)	1:96:A:ASN:HD22	1:97:A:ARG:HA	6	0.94
(1,611)	1:61:B:PRO:HB2	1:66:B:LEU:HD21	17	0.94
(1,611)	1:61:B:PRO:HB2	1:66:B:LEU:HD22	17	0.94
(1,611)	1:61:B:PRO:HB2	1:66:B:LEU:HD23	17	0.94
(1,610)	1:61:A:PRO:HB2	1:66:A:LEU:HD21	17	0.94
(1,610)	1:61:A:PRO:HB2	1:66:A:LEU:HD22	17	0.94
(1,610)	1:61:A:PRO:HB2	1:66:A:LEU:HD23	17	0.94
(1,496)	1:26:A:VAL:HG21	1:28:A:GLN:H	10	0.94
(1,496)	1:26:A:VAL:HG22	1:28:A:GLN:H	10	0.94
(1,496)	1:26:A:VAL:HG23	1:28:A:GLN:H	10	0.94
(1,306)	1:32:A:ARG:H	1:29:A:LEU:HA	17	0.94
(1,305)	1:32:B:ARG:H	1:29:B:LEU:HA	17	0.94
(1,154)	1:71:A:THR:HG21	1:42:A:GLY:HA2	17	0.94
(1,154)	1:71:A:THR:HG22	1:42:A:GLY:HA2	17	0.94
(1,154)	1:71:A:THR:HG23	1:42:A:GLY:HA2	17	0.94
(2,348)	1:47:B:PHE:HD1	1:41:B:ARG:HD2	5	0.93
(2,348)	1:47:B:PHE:HD2	1:41:B:ARG:HD2	5	0.93
(2,285)	1:92:A:LEU:HD21	1:85:B:ARG:HB3	8	0.93
(2,285)	1:92:A:LEU:HD22	1:85:B:ARG:HB3	8	0.93
(2,285)	1:92:A:LEU:HD23	1:85:B:ARG:HB3	8	0.93
(2,279)	1:47:A:PHE:HD1	1:41:A:ARG:HD2	5	0.93
(2,279)	1:47:A:PHE:HD2	1:41:A:ARG:HD2	5	0.93
(2,15)	1:24:B:SER:HB2	1:23:B:VAL:H	10	0.93
(1,3395)	1:80:A:VAL:HG11	1:79:A:ASN:HA	19	0.93
(1,3395)	1:80:A:VAL:HG12	1:79:A:ASN:HA	19	0.93
(1,3395)	1:80:A:VAL:HG13	1:79:A:ASN:HA	19	0.93
(1,3347)	1:69:B:TRP:HA	1:72:B:ILE:HG12	5	0.93
(1,3346)	1:69:A:TRP:HA	1:72:A:ILE:HG12	5	0.93
(1,3340)	1:62:B:THR:HA	1:25:B:THR:HB	13	0.93
(1,3339)	1:62:A:THR:HA	1:25:A:THR:HB	13	0.93
(1,3230)	1:29:B:LEU:HD21	1:50:B:LEU:HG	13	0.93
(1,3230)	1:29:B:LEU:HD22	1:50:B:LEU:HG	13	0.93
(1,3230)	1:29:B:LEU:HD23	1:50:B:LEU:HG	13	0.93
(1,3229)	1:29:A:LEU:HD21	1:50:A:LEU:HG	13	0.93
(1,3229)	1:29:A:LEU:HD22	1:50:A:LEU:HG	13	0.93
(1,3229)	1:29:A:LEU:HD23	1:50:A:LEU:HG	13	0.93
(1,3190)	1:66:B:LEU:HD21	1:60:B:PRO:HA	4	0.93
(1,3190)	1:66:B:LEU:HD22	1:60:B:PRO:HA	4	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3190)	1:66:B:LEU:HD23	1:60:B:PRO:HA	4	0.93
(1,2560)	1:27:B:GLN:HB3	1:23:B:VAL:HG11	17	0.93
(1,2560)	1:27:B:GLN:HB3	1:23:B:VAL:HG12	17	0.93
(1,2560)	1:27:B:GLN:HB3	1:23:B:VAL:HG13	17	0.93
(1,2255)	1:57:B:LEU:HD11	1:45:A:LYS:HE3	6	0.93
(1,2255)	1:57:B:LEU:HD12	1:45:A:LYS:HE3	6	0.93
(1,2255)	1:57:B:LEU:HD13	1:45:A:LYS:HE3	6	0.93
(1,2129)	1:27:B:GLN:HB2	1:22:B:ARG:HB2	1	0.93
(1,2084)	1:41:B:ARG:HB3	1:42:B:GLY:H	13	0.93
(1,2083)	1:41:A:ARG:HB3	1:42:A:GLY:H	13	0.93
(1,1498)	1:94:A:ILE:HA	1:99:A:ARG:HD3	3	0.93
(1,1497)	1:94:B:ILE:HA	1:99:B:ARG:HD3	3	0.93
(1,1478)	1:54:B:LEU:HB2	1:53:B:PHE:H	19	0.93
(1,1477)	1:54:A:LEU:HB2	1:53:A:PHE:H	19	0.93
(1,1388)	1:62:B:THR:HA	1:23:B:VAL:HG21	6	0.93
(1,1388)	1:62:B:THR:HA	1:23:B:VAL:HG22	6	0.93
(1,1388)	1:62:B:THR:HA	1:23:B:VAL:HG23	6	0.93
(1,1141)	1:97:B:ARG:H	1:98:B:ARG:HG2	2	0.93
(1,1082)	1:93:B:ASN:HD21	1:91:B:MET:H	20	0.93
(1,985)	1:23:B:VAL:HG11	1:24:B:SER:H	1	0.93
(1,985)	1:23:B:VAL:HG12	1:24:B:SER:H	1	0.93
(1,985)	1:23:B:VAL:HG13	1:24:B:SER:H	1	0.93
(1,927)	1:80:A:VAL:HG21	1:45:A:LYS:HG3	7	0.93
(1,927)	1:80:A:VAL:HG22	1:45:A:LYS:HG3	7	0.93
(1,927)	1:80:A:VAL:HG23	1:45:A:LYS:HG3	7	0.93
(1,753)	1:96:B:ASN:HD22	1:97:B:ARG:HA	6	0.93
(1,417)	1:57:B:LEU:HD21	1:59:B:ILE:H	4	0.93
(1,417)	1:57:B:LEU:HD22	1:59:B:ILE:H	4	0.93
(1,417)	1:57:B:LEU:HD23	1:59:B:ILE:H	4	0.93
(1,32)	1:57:B:LEU:HD11	1:45:A:LYS:HE2	20	0.93
(1,32)	1:57:B:LEU:HD12	1:45:A:LYS:HE2	20	0.93
(1,32)	1:57:B:LEU:HD13	1:45:A:LYS:HE2	20	0.93
(2,283)	1:93:A:ASN:HD21	1:92:A:LEU:H	14	0.92
(2,229)	1:93:A:ASN:HD21	1:91:A:MET:H	20	0.92
(2,98)	1:78:A:ILE:HG21	1:79:A:ASN:HD21	3	0.92
(2,98)	1:78:A:ILE:HG22	1:79:A:ASN:HD21	3	0.92
(2,98)	1:78:A:ILE:HG23	1:79:A:ASN:HD21	3	0.92
(1,3347)	1:69:B:TRP:HA	1:72:B:ILE:HG13	8	0.92
(1,3346)	1:69:A:TRP:HA	1:72:A:ILE:HG13	8	0.92
(1,3299)	1:22:A:ARG:HB3	1:63:A:ALA:H	17	0.92
(1,3298)	1:22:B:ARG:HB3	1:63:B:ALA:H	17	0.92
(1,3085)	1:77:A:ALA:H	1:76:A:LYS:HG2	11	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3084)	1:77:B:ALA:H	1:76:B:LYS:HG2	11	0.92
(1,3066)	1:24:A:SER:HB3	1:23:A:VAL:H	8	0.92
(1,2691)	1:68:B:ARG:HA	1:68:B:ARG:HD2	4	0.92
(1,2522)	1:74:A:LYS:HG2	1:98:B:ARG:HG3	15	0.92
(1,2397)	1:90:A:ARG:H	1:90:A:ARG:HD3	10	0.92
(1,2358)	1:28:A:GLN:HA	1:28:A:GLN:HG3	5	0.92
(1,2256)	1:57:A:LEU:HD11	1:45:B:LYS:HE3	14	0.92
(1,2256)	1:57:A:LEU:HD12	1:45:B:LYS:HE3	14	0.92
(1,2256)	1:57:A:LEU:HD13	1:45:B:LYS:HE3	14	0.92
(1,2255)	1:57:B:LEU:HD11	1:45:A:LYS:HE3	14	0.92
(1,2255)	1:57:B:LEU:HD12	1:45:A:LYS:HE3	14	0.92
(1,2255)	1:57:B:LEU:HD13	1:45:A:LYS:HE3	14	0.92
(1,1662)	1:78:B:ILE:HG21	1:79:B:ASN:HD21	3	0.92
(1,1662)	1:78:B:ILE:HG22	1:79:B:ASN:HD21	3	0.92
(1,1662)	1:78:B:ILE:HG23	1:79:B:ASN:HD21	3	0.92
(1,1140)	1:97:A:ARG:H	1:98:A:ARG:HG2	2	0.92
(1,773)	1:30:A:THR:HG21	1:27:A:GLN:HA	6	0.92
(1,773)	1:30:A:THR:HG22	1:27:A:GLN:HA	6	0.92
(1,773)	1:30:A:THR:HG23	1:27:A:GLN:HA	6	0.92
(1,773)	1:30:A:THR:HG21	1:27:A:GLN:HA	20	0.92
(1,773)	1:30:A:THR:HG22	1:27:A:GLN:HA	20	0.92
(1,773)	1:30:A:THR:HG23	1:27:A:GLN:HA	20	0.92
(1,772)	1:30:B:THR:HG21	1:27:B:GLN:HA	6	0.92
(1,772)	1:30:B:THR:HG22	1:27:B:GLN:HA	6	0.92
(1,772)	1:30:B:THR:HG23	1:27:B:GLN:HA	6	0.92
(1,772)	1:30:B:THR:HG21	1:27:B:GLN:HA	20	0.92
(1,772)	1:30:B:THR:HG22	1:27:B:GLN:HA	20	0.92
(1,772)	1:30:B:THR:HG23	1:27:B:GLN:HA	20	0.92
(1,213)	1:83:A:GLY:HA2	1:87:A:GLU:HG2	17	0.92
(1,212)	1:83:B:GLY:HA2	1:87:B:GLU:HG2	17	0.92
(1,194)	1:91:A:MET:HG3	1:87:A:GLU:HA	11	0.92
(1,33)	1:57:A:LEU:HD11	1:45:B:LYS:HE2	20	0.92
(1,33)	1:57:A:LEU:HD12	1:45:B:LYS:HE2	20	0.92
(1,33)	1:57:A:LEU:HD13	1:45:B:LYS:HE2	20	0.92
(2,15)	1:24:B:SER:HB3	1:23:B:VAL:H	8	0.91
(2,3)	1:67:B:LYS:H	1:67:B:LYS:HG3	19	0.91
(1,2931)	1:72:B:ILE:HG13	1:77:B:ALA:H	13	0.91
(1,2930)	1:72:A:ILE:HG13	1:77:A:ALA:H	13	0.91
(1,2692)	1:68:A:ARG:HA	1:68:A:ARG:HD2	4	0.91
(1,2640)	1:28:B:GLN:HE21	1:50:B:LEU:HG	5	0.91
(1,2639)	1:28:A:GLN:HE21	1:50:A:LEU:HG	5	0.91
(1,2419)	1:94:B:ILE:H	1:93:B:ASN:HB2	10	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2418)	1:94:A:ILE:H	1:93:A:ASN:HB2	10	0.91
(1,2396)	1:90:B:ARG:H	1:90:B:ARG:HD3	10	0.91
(1,2359)	1:28:B:GLN:HA	1:28:B:GLN:HG3	5	0.91
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD1	12	0.91
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD2	12	0.91
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD1	12	0.91
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD2	12	0.91
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD1	12	0.91
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD2	12	0.91
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD1	13	0.91
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD2	13	0.91
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD1	13	0.91
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD2	13	0.91
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD1	13	0.91
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD2	13	0.91
(1,1945)	1:98:A:ARG:H	1:98:A:ARG:HD3	18	0.91
(1,1944)	1:98:B:ARG:H	1:98:B:ARG:HD3	18	0.91
(1,1837)	1:67:A:LYS:H	1:67:A:LYS:HG3	19	0.91
(1,1478)	1:54:B:LEU:HB2	1:53:B:PHE:H	12	0.91
(1,1477)	1:54:A:LEU:HB2	1:53:A:PHE:H	12	0.91
(1,496)	1:26:A:VAL:HG21	1:28:A:GLN:H	15	0.91
(1,496)	1:26:A:VAL:HG22	1:28:A:GLN:H	15	0.91
(1,496)	1:26:A:VAL:HG23	1:28:A:GLN:H	15	0.91
(1,229)	1:74:B:LYS:HE3	1:98:A:ARG:HD2	6	0.91
(1,213)	1:83:A:GLY:HA2	1:87:A:GLU:HG2	15	0.91
(1,212)	1:83:B:GLY:HA2	1:87:B:GLU:HG2	15	0.91
(1,70)	1:92:A:LEU:HD21	1:82:B:ARG:HA	15	0.91
(1,70)	1:92:A:LEU:HD22	1:82:B:ARG:HA	15	0.91
(1,70)	1:92:A:LEU:HD23	1:82:B:ARG:HA	15	0.91
(2,15)	1:24:B:SER:HB3	1:23:B:VAL:H	15	0.9
(1,3359)	1:69:B:TRP:HZ2	1:91:A:MET:HA	10	0.9
(1,3358)	1:69:A:TRP:HZ2	1:91:B:MET:HA	10	0.9
(1,3066)	1:24:A:SER:HB3	1:23:A:VAL:H	15	0.9
(1,2084)	1:41:B:ARG:HB3	1:42:B:GLY:H	7	0.9
(1,2083)	1:41:A:ARG:HB3	1:42:A:GLY:H	7	0.9
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD11	6	0.9
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD12	6	0.9
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD13	6	0.9
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD11	6	0.9
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD12	6	0.9
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD13	6	0.9
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD11	6	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD12	6	0.9
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD13	6	0.9
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD11	6	0.9
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD12	6	0.9
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD13	6	0.9
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD11	6	0.9
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD12	6	0.9
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD13	6	0.9
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD11	6	0.9
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD12	6	0.9
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD13	6	0.9
(1,1312)	1:95:B:LEU:HD11	1:69:A:TRP:HH2	18	0.9
(1,1312)	1:95:B:LEU:HD12	1:69:A:TRP:HH2	18	0.9
(1,1312)	1:95:B:LEU:HD13	1:69:A:TRP:HH2	18	0.9
(1,1312)	1:95:B:LEU:HD11	1:69:A:TRP:HH2	19	0.9
(1,1312)	1:95:B:LEU:HD12	1:69:A:TRP:HH2	19	0.9
(1,1312)	1:95:B:LEU:HD13	1:69:A:TRP:HH2	19	0.9
(1,1311)	1:95:A:LEU:HD11	1:69:B:TRP:HH2	15	0.9
(1,1311)	1:95:A:LEU:HD12	1:69:B:TRP:HH2	15	0.9
(1,1311)	1:95:A:LEU:HD13	1:69:B:TRP:HH2	15	0.9
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG21	17	0.9
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG22	17	0.9
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG23	17	0.9
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG21	17	0.9
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG22	17	0.9
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG23	17	0.9
(1,496)	1:26:A:VAL:HG21	1:28:A:GLN:H	5	0.9
(1,496)	1:26:A:VAL:HG22	1:28:A:GLN:H	5	0.9
(1,496)	1:26:A:VAL:HG23	1:28:A:GLN:H	5	0.9
(1,496)	1:26:A:VAL:HG21	1:28:A:GLN:H	16	0.9
(1,496)	1:26:A:VAL:HG22	1:28:A:GLN:H	16	0.9
(1,496)	1:26:A:VAL:HG23	1:28:A:GLN:H	16	0.9
(1,194)	1:91:A:MET:HG3	1:87:A:GLU:HA	20	0.9
(2,249)	1:41:A:ARG:HG2	1:47:A:PHE:HA	9	0.89
(2,110)	1:31:A:LYS:HE3	1:31:A:LYS:HB3	9	0.89
(1,3340)	1:62:B:THR:HA	1:25:B:THR:HB	8	0.89
(1,3339)	1:62:A:THR:HA	1:25:A:THR:HB	8	0.89
(1,3319)	1:71:A:THR:HG21	1:44:A:LEU:HA	19	0.89
(1,3319)	1:71:A:THR:HG22	1:44:A:LEU:HA	19	0.89
(1,3319)	1:71:A:THR:HG23	1:44:A:LEU:HA	19	0.89
(1,3318)	1:71:B:THR:HG21	1:44:B:LEU:HA	19	0.89
(1,3318)	1:71:B:THR:HG22	1:44:B:LEU:HA	19	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3318)	1:71:B:THR:HG23	1:44:B:LEU:HA	19	0.89
(1,3224)	1:95:B:LEU:HD21	1:96:B:ASN:HB2	6	0.89
(1,3224)	1:95:B:LEU:HD22	1:96:B:ASN:HB2	6	0.89
(1,3224)	1:95:B:LEU:HD23	1:96:B:ASN:HB2	6	0.89
(1,3171)	1:57:B:LEU:HD11	1:53:B:PHE:HB3	5	0.89
(1,3171)	1:57:B:LEU:HD12	1:53:B:PHE:HB3	5	0.89
(1,3171)	1:57:B:LEU:HD13	1:53:B:PHE:HB3	5	0.89
(1,3032)	1:79:B:ASN:H	1:82:B:ARG:HD3	5	0.89
(1,3031)	1:79:A:ASN:H	1:82:A:ARG:HD3	5	0.89
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD21	13	0.89
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD22	13	0.89
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD23	13	0.89
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD21	13	0.89
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD22	13	0.89
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD23	13	0.89
(1,2808)	1:23:B:VAL:HG11	1:24:B:SER:HA	1	0.89
(1,2808)	1:23:B:VAL:HG12	1:24:B:SER:HA	1	0.89
(1,2808)	1:23:B:VAL:HG13	1:24:B:SER:HA	1	0.89
(1,2692)	1:68:A:ARG:HA	1:68:A:ARG:HD3	18	0.89
(1,2692)	1:68:A:ARG:HA	1:68:A:ARG:HD3	20	0.89
(1,2691)	1:68:B:ARG:HA	1:68:B:ARG:HD3	20	0.89
(1,2553)	1:94:B:ILE:HG13	1:93:B:ASN:HB3	16	0.89
(1,2368)	1:54:B:LEU:HG	1:51:B:VAL:HA	6	0.89
(1,2367)	1:54:A:LEU:HG	1:51:A:VAL:HA	6	0.89
(1,2357)	1:80:B:VAL:H	1:79:B:ASN:HB2	14	0.89
(1,2256)	1:57:A:LEU:HD11	1:45:B:LYS:HE3	3	0.89
(1,2256)	1:57:A:LEU:HD12	1:45:B:LYS:HE3	3	0.89
(1,2256)	1:57:A:LEU:HD13	1:45:B:LYS:HE3	3	0.89
(1,2232)	1:41:B:ARG:HG2	1:47:B:PHE:HA	9	0.89
(1,1478)	1:54:B:LEU:HB2	1:53:B:PHE:H	4	0.89
(1,1478)	1:54:B:LEU:HB2	1:53:B:PHE:H	11	0.89
(1,1477)	1:54:A:LEU:HB2	1:53:A:PHE:H	11	0.89
(1,1311)	1:95:A:LEU:HD11	1:69:B:TRP:HH2	19	0.89
(1,1311)	1:95:A:LEU:HD12	1:69:B:TRP:HH2	19	0.89
(1,1311)	1:95:A:LEU:HD13	1:69:B:TRP:HH2	19	0.89
(1,1182)	1:61:B:PRO:HA	1:65:B:ILE:HG21	17	0.89
(1,1182)	1:61:B:PRO:HA	1:65:B:ILE:HG22	17	0.89
(1,1182)	1:61:B:PRO:HA	1:65:B:ILE:HG23	17	0.89
(1,496)	1:26:A:VAL:HG21	1:28:A:GLN:H	11	0.89
(1,496)	1:26:A:VAL:HG22	1:28:A:GLN:H	11	0.89
(1,496)	1:26:A:VAL:HG23	1:28:A:GLN:H	11	0.89
(1,417)	1:57:B:LEU:HD21	1:59:B:ILE:H	14	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,417)	1:57:B:LEU:HD22	1:59:B:ILE:H	14	0.89
(1,417)	1:57:B:LEU:HD23	1:59:B:ILE:H	14	0.89
(2,3)	1:67:B:LYS:H	1:67:B:LYS:HG3	13	0.88
(1,3385)	1:77:B:ALA:HB1	1:48:B:MET:HG2	9	0.88
(1,3385)	1:77:B:ALA:HB2	1:48:B:MET:HG2	9	0.88
(1,3385)	1:77:B:ALA:HB3	1:48:B:MET:HG2	9	0.88
(1,3384)	1:77:A:ALA:HB1	1:48:A:MET:HG2	9	0.88
(1,3384)	1:77:A:ALA:HB2	1:48:A:MET:HG2	9	0.88
(1,3384)	1:77:A:ALA:HB3	1:48:A:MET:HG2	9	0.88
(1,3225)	1:95:A:LEU:HD21	1:96:A:ASN:HB2	6	0.88
(1,3225)	1:95:A:LEU:HD22	1:96:A:ASN:HB2	6	0.88
(1,3225)	1:95:A:LEU:HD23	1:96:A:ASN:HB2	6	0.88
(1,3213)	1:31:B:LYS:HE3	1:31:B:LYS:HB3	9	0.88
(1,3161)	1:43:A:PRO:HD2	1:46:A:LEU:HD11	4	0.88
(1,3161)	1:43:A:PRO:HD2	1:46:A:LEU:HD12	4	0.88
(1,3161)	1:43:A:PRO:HD2	1:46:A:LEU:HD13	4	0.88
(1,3160)	1:43:B:PRO:HD2	1:46:B:LEU:HD11	4	0.88
(1,3160)	1:43:B:PRO:HD2	1:46:B:LEU:HD12	4	0.88
(1,3160)	1:43:B:PRO:HD2	1:46:B:LEU:HD13	4	0.88
(1,2691)	1:68:B:ARG:HA	1:68:B:ARG:HD3	18	0.88
(1,2636)	1:27:A:GLN:HA	1:24:A:SER:H	11	0.88
(1,2635)	1:27:B:GLN:HA	1:24:B:SER:H	11	0.88
(1,2554)	1:94:A:ILE:HG13	1:93:A:ASN:HB3	16	0.88
(1,2397)	1:90:A:ARG:H	1:90:A:ARG:HD3	20	0.88
(1,2396)	1:90:B:ARG:H	1:90:B:ARG:HD3	20	0.88
(1,2357)	1:80:B:VAL:H	1:79:B:ASN:HB2	4	0.88
(1,1955)	1:98:A:ARG:HD2	1:74:B:LYS:HG2	17	0.88
(1,1837)	1:67:A:LYS:H	1:67:A:LYS:HG3	13	0.88
(1,1614)	1:96:B:ASN:HD22	1:97:B:ARG:HG2	2	0.88
(1,1477)	1:54:A:LEU:HB2	1:53:A:PHE:H	4	0.88
(1,1438)	1:57:B:LEU:HD21	1:59:B:ILE:H	11	0.88
(1,1438)	1:57:B:LEU:HD22	1:59:B:ILE:H	11	0.88
(1,1438)	1:57:B:LEU:HD23	1:59:B:ILE:H	11	0.88
(1,1311)	1:95:A:LEU:HD11	1:69:B:TRP:HH2	1	0.88
(1,1311)	1:95:A:LEU:HD12	1:69:B:TRP:HH2	1	0.88
(1,1311)	1:95:A:LEU:HD13	1:69:B:TRP:HH2	1	0.88
(1,1183)	1:61:A:PRO:HA	1:65:A:ILE:HG21	17	0.88
(1,1183)	1:61:A:PRO:HA	1:65:A:ILE:HG22	17	0.88
(1,1183)	1:61:A:PRO:HA	1:65:A:ILE:HG23	17	0.88
(1,782)	1:21:A:ASN:HB3	1:23:A:VAL:H	2	0.88
(1,212)	1:83:B:GLY:HA2	1:87:B:GLU:HG2	12	0.88
(1,70)	1:92:A:LEU:HD21	1:82:B:ARG:HA	2	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,70)	1:92:A:LEU:HD22	1:82:B:ARG:HA	2	0.88
(1,70)	1:92:A:LEU:HD23	1:82:B:ARG:HA	2	0.88
(2,337)	1:21:B:ASN:HB3	1:23:B:VAL:H	2	0.87
(2,124)	1:93:A:ASN:HD21	1:93:A:ASN:H	6	0.87
(2,110)	1:31:A:LYS:HE2	1:31:A:LYS:HB2	2	0.87
(2,110)	1:31:A:LYS:HE2	1:31:A:LYS:HB2	11	0.87
(2,3)	1:67:B:LYS:H	1:67:B:LYS:HG3	6	0.87
(1,3340)	1:62:B:THR:HA	1:25:B:THR:HB	14	0.87
(1,3339)	1:62:A:THR:HA	1:25:A:THR:HB	14	0.87
(1,3228)	1:29:B:LEU:HD11	1:50:B:LEU:HG	2	0.87
(1,3228)	1:29:B:LEU:HD12	1:50:B:LEU:HG	2	0.87
(1,3228)	1:29:B:LEU:HD13	1:50:B:LEU:HG	2	0.87
(1,3227)	1:29:A:LEU:HD11	1:50:A:LEU:HG	2	0.87
(1,3227)	1:29:A:LEU:HD12	1:50:A:LEU:HG	2	0.87
(1,3227)	1:29:A:LEU:HD13	1:50:A:LEU:HG	2	0.87
(1,3213)	1:31:B:LYS:HE2	1:31:B:LYS:HB2	2	0.87
(1,3213)	1:31:B:LYS:HE2	1:31:B:LYS:HB2	11	0.87
(1,3153)	1:81:B:LEU:HD11	1:69:B:TRP:HZ3	11	0.87
(1,3153)	1:81:B:LEU:HD12	1:69:B:TRP:HZ3	11	0.87
(1,3153)	1:81:B:LEU:HD13	1:69:B:TRP:HZ3	11	0.87
(1,3152)	1:81:A:LEU:HD11	1:69:A:TRP:HZ3	11	0.87
(1,3152)	1:81:A:LEU:HD12	1:69:A:TRP:HZ3	11	0.87
(1,3152)	1:81:A:LEU:HD13	1:69:A:TRP:HZ3	11	0.87
(1,2645)	1:78:A:ILE:HD11	1:96:B:ASN:HD21	9	0.87
(1,2645)	1:78:A:ILE:HD12	1:96:B:ASN:HD21	9	0.87
(1,2645)	1:78:A:ILE:HD13	1:96:B:ASN:HD21	9	0.87
(1,2559)	1:94:B:ILE:HA	1:98:B:ARG:HG2	19	0.87
(1,2558)	1:94:A:ILE:HA	1:98:A:ARG:HG2	19	0.87
(1,2357)	1:80:B:VAL:H	1:79:B:ASN:HB2	3	0.87
(1,1837)	1:67:A:LYS:H	1:67:A:LYS:HG3	6	0.87
(1,1690)	1:92:B:LEU:HD11	1:93:B:ASN:H	8	0.87
(1,1690)	1:92:B:LEU:HD12	1:93:B:ASN:H	8	0.87
(1,1690)	1:92:B:LEU:HD13	1:93:B:ASN:H	8	0.87
(1,1689)	1:92:A:LEU:HD11	1:93:A:ASN:H	8	0.87
(1,1689)	1:92:A:LEU:HD12	1:93:A:ASN:H	8	0.87
(1,1689)	1:92:A:LEU:HD13	1:93:A:ASN:H	8	0.87
(1,1615)	1:96:A:ASN:HD22	1:97:A:ARG:HG2	2	0.87
(1,1593)	1:93:B:ASN:HD21	1:93:B:ASN:H	6	0.87
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	11	0.87
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	11	0.87
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	11	0.87
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	11	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	11	0.87
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	11	0.87
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	17	0.87
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	17	0.87
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	17	0.87
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	17	0.87
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	17	0.87
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	17	0.87
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	11	0.87
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	11	0.87
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	11	0.87
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	11	0.87
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	11	0.87
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	11	0.87
(1,1542)	1:51:B:VAL:HG21	1:51:B:VAL:HA	16	0.87
(1,1542)	1:51:B:VAL:HG22	1:51:B:VAL:HA	16	0.87
(1,1542)	1:51:B:VAL:HG23	1:51:B:VAL:HA	16	0.87
(1,1541)	1:51:A:VAL:HG21	1:51:A:VAL:HA	16	0.87
(1,1541)	1:51:A:VAL:HG22	1:51:A:VAL:HA	16	0.87
(1,1541)	1:51:A:VAL:HG23	1:51:A:VAL:HA	16	0.87
(1,674)	1:62:B:THR:HG21	1:26:B:VAL:HA	13	0.87
(1,674)	1:62:B:THR:HG22	1:26:B:VAL:HA	13	0.87
(1,674)	1:62:B:THR:HG23	1:26:B:VAL:HA	13	0.87
(1,570)	1:84:B:PHE:HE1	1:52:B:ALA:HA	16	0.87
(1,570)	1:84:B:PHE:HE2	1:52:B:ALA:HA	16	0.87
(1,569)	1:84:A:PHE:HE1	1:52:A:ALA:HA	16	0.87
(1,569)	1:84:A:PHE:HE2	1:52:A:ALA:HA	16	0.87
(1,496)	1:26:A:VAL:HG21	1:28:A:GLN:H	1	0.87
(1,496)	1:26:A:VAL:HG22	1:28:A:GLN:H	1	0.87
(1,496)	1:26:A:VAL:HG23	1:28:A:GLN:H	1	0.87
(1,496)	1:26:A:VAL:HG21	1:28:A:GLN:H	4	0.87
(1,496)	1:26:A:VAL:HG22	1:28:A:GLN:H	4	0.87
(1,496)	1:26:A:VAL:HG23	1:28:A:GLN:H	4	0.87
(1,213)	1:83:A:GLY:HA2	1:87:A:GLU:HG2	9	0.87
(1,213)	1:83:A:GLY:HA2	1:87:A:GLU:HG2	12	0.87
(1,94)	1:57:B:LEU:HD21	1:49:A:ALA:HA	13	0.87
(1,94)	1:57:B:LEU:HD22	1:49:A:ALA:HA	13	0.87
(1,94)	1:57:B:LEU:HD23	1:49:A:ALA:HA	13	0.87
(1,44)	1:95:A:LEU:HA	1:74:B:LYS:HE2	2	0.87
(2,348)	1:47:B:PHE:HD1	1:41:B:ARG:HD2	8	0.86
(2,348)	1:47:B:PHE:HD2	1:41:B:ARG:HD2	8	0.86
(2,279)	1:47:A:PHE:HD1	1:41:A:ARG:HD2	8	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,279)	1:47:A:PHE:HD2	1:41:A:ARG:HD2	8	0.86
(2,58)	1:62:B:THR:HG21	1:24:B:SER:HB2	6	0.86
(2,58)	1:62:B:THR:HG22	1:24:B:SER:HB2	6	0.86
(2,58)	1:62:B:THR:HG23	1:24:B:SER:HB2	6	0.86
(2,3)	1:67:B:LYS:H	1:67:B:LYS:HG3	2	0.86
(1,3202)	1:41:B:ARG:HB3	1:47:B:PHE:HB3	19	0.86
(1,3201)	1:41:A:ARG:HB3	1:47:A:PHE:HB3	19	0.86
(1,3146)	1:51:B:VAL:HG21	1:69:B:TRP:HZ3	5	0.86
(1,3146)	1:51:B:VAL:HG22	1:69:B:TRP:HZ3	5	0.86
(1,3146)	1:51:B:VAL:HG23	1:69:B:TRP:HZ3	5	0.86
(1,3145)	1:51:A:VAL:HG21	1:69:A:TRP:HZ3	5	0.86
(1,3145)	1:51:A:VAL:HG22	1:69:A:TRP:HZ3	5	0.86
(1,3145)	1:51:A:VAL:HG23	1:69:A:TRP:HZ3	5	0.86
(1,3066)	1:24:A:SER:HB2	1:23:A:VAL:H	1	0.86
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD11	3	0.86
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD12	3	0.86
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD13	3	0.86
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD11	3	0.86
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD12	3	0.86
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD13	3	0.86
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD11	3	0.86
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD12	3	0.86
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD13	3	0.86
(1,2703)	1:55:A:ARG:HB3	1:52:A:ALA:HA	8	0.86
(1,2702)	1:55:B:ARG:HB3	1:52:B:ALA:HA	8	0.86
(1,2680)	1:95:A:LEU:HB2	1:74:B:LYS:HD3	9	0.86
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD21	10	0.86
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD22	10	0.86
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD23	10	0.86
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD21	10	0.86
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD22	10	0.86
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD23	10	0.86
(1,2059)	1:57:B:LEU:HD21	1:46:A:LEU:H	1	0.86
(1,2059)	1:57:B:LEU:HD22	1:46:A:LEU:H	1	0.86
(1,2059)	1:57:B:LEU:HD23	1:46:A:LEU:H	1	0.86
(1,1869)	1:22:A:ARG:HG2	1:21:A:ASN:HA	12	0.86
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD21	1	0.86
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD22	1	0.86
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD23	1	0.86
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD21	1	0.86
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD22	1	0.86
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD23	1	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:67:A:LYS:H	1:67:A:LYS:HG3	2	0.86
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	17	0.86
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	17	0.86
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	17	0.86
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	17	0.86
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	17	0.86
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	17	0.86
(1,1311)	1:95:A:LEU:HD11	1:69:B:TRP:HH2	10	0.86
(1,1311)	1:95:A:LEU:HD12	1:69:B:TRP:HH2	10	0.86
(1,1311)	1:95:A:LEU:HD13	1:69:B:TRP:HH2	10	0.86
(1,1141)	1:97:B:ARG:H	1:98:B:ARG:HG2	9	0.86
(1,1140)	1:97:A:ARG:H	1:98:A:ARG:HG2	9	0.86
(1,728)	1:72:A:ILE:HG12	1:73:A:LYS:H	13	0.86
(1,675)	1:62:A:THR:HG21	1:26:A:VAL:HA	13	0.86
(1,675)	1:62:A:THR:HG22	1:26:A:VAL:HA	13	0.86
(1,675)	1:62:A:THR:HG23	1:26:A:VAL:HA	13	0.86
(1,496)	1:26:A:VAL:HG21	1:28:A:GLN:H	13	0.86
(1,496)	1:26:A:VAL:HG22	1:28:A:GLN:H	13	0.86
(1,496)	1:26:A:VAL:HG23	1:28:A:GLN:H	13	0.86
(1,15)	1:55:A:ARG:HB2	1:91:B:MET:HG3	20	0.86
(2,337)	1:21:B:ASN:HB2	1:23:B:VAL:H	13	0.85
(2,283)	1:93:A:ASN:HD21	1:92:A:LEU:H	6	0.85
(2,30)	1:39:A:GLN:HB2	1:41:A:ARG:HD2	17	0.85
(2,15)	1:24:B:SER:HB2	1:23:B:VAL:H	1	0.85
(2,15)	1:24:B:SER:HB2	1:23:B:VAL:H	11	0.85
(1,3198)	1:48:B:MET:HB2	1:47:B:PHE:HB2	2	0.85
(1,3197)	1:48:A:MET:HB2	1:47:A:PHE:HB2	2	0.85
(1,3066)	1:24:A:SER:HB2	1:23:A:VAL:H	11	0.85
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB1	13	0.85
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB2	13	0.85
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB3	13	0.85
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB1	13	0.85
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB2	13	0.85
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB3	13	0.85
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB1	13	0.85
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB2	13	0.85
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB3	13	0.85
(1,2721)	1:65:A:ILE:HD11	1:25:A:THR:HA	5	0.85
(1,2721)	1:65:A:ILE:HD12	1:25:A:THR:HA	5	0.85
(1,2721)	1:65:A:ILE:HD13	1:25:A:THR:HA	5	0.85
(1,2681)	1:95:B:LEU:HB2	1:74:A:LYS:HD3	9	0.85
(1,2632)	1:52:B:ALA:HA	1:55:B:ARG:HD2	11	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2443)	1:22:B:ARG:HB3	1:23:B:VAL:HA	3	0.85
(1,2397)	1:90:A:ARG:H	1:90:A:ARG:HD3	9	0.85
(1,2396)	1:90:B:ARG:H	1:90:B:ARG:HD3	9	0.85
(1,2396)	1:90:B:ARG:H	1:90:B:ARG:HD3	18	0.85
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD11	20	0.85
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD12	20	0.85
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD13	20	0.85
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD11	20	0.85
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD12	20	0.85
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD13	20	0.85
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD1	3	0.85
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD2	3	0.85
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD1	3	0.85
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD2	3	0.85
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD1	3	0.85
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD2	3	0.85
(1,2065)	1:62:A:THR:HG21	1:24:A:SER:HB2	6	0.85
(1,2065)	1:62:A:THR:HG22	1:24:A:SER:HB2	6	0.85
(1,2065)	1:62:A:THR:HG23	1:24:A:SER:HB2	6	0.85
(1,1837)	1:67:A:LYS:H	1:67:A:LYS:HG3	12	0.85
(1,1689)	1:92:A:LEU:HD11	1:93:A:ASN:H	5	0.85
(1,1689)	1:92:A:LEU:HD12	1:93:A:ASN:H	5	0.85
(1,1689)	1:92:A:LEU:HD13	1:93:A:ASN:H	5	0.85
(1,1615)	1:96:A:ASN:HD22	1:97:A:ARG:HG3	13	0.85
(1,1614)	1:96:B:ASN:HD22	1:97:B:ARG:HG3	13	0.85
(1,1312)	1:95:B:LEU:HD11	1:69:A:TRP:HH2	1	0.85
(1,1312)	1:95:B:LEU:HD12	1:69:A:TRP:HH2	1	0.85
(1,1312)	1:95:B:LEU:HD13	1:69:A:TRP:HH2	1	0.85
(1,1312)	1:95:B:LEU:HD11	1:69:A:TRP:HH2	15	0.85
(1,1312)	1:95:B:LEU:HD12	1:69:A:TRP:HH2	15	0.85
(1,1312)	1:95:B:LEU:HD13	1:69:A:TRP:HH2	15	0.85
(1,1141)	1:97:B:ARG:H	1:98:B:ARG:HG2	7	0.85
(1,782)	1:21:A:ASN:HB2	1:23:A:VAL:H	13	0.85
(1,729)	1:72:B:ILE:HG12	1:73:B:LYS:H	13	0.85
(1,496)	1:26:A:VAL:HG21	1:28:A:GLN:H	8	0.85
(1,496)	1:26:A:VAL:HG22	1:28:A:GLN:H	8	0.85
(1,496)	1:26:A:VAL:HG23	1:28:A:GLN:H	8	0.85
(1,496)	1:26:A:VAL:HG21	1:28:A:GLN:H	18	0.85
(1,496)	1:26:A:VAL:HG22	1:28:A:GLN:H	18	0.85
(1,496)	1:26:A:VAL:HG23	1:28:A:GLN:H	18	0.85
(1,417)	1:57:B:LEU:HD21	1:59:B:ILE:H	18	0.85
(1,417)	1:57:B:LEU:HD22	1:59:B:ILE:H	18	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,417)	1:57:B:LEU:HD23	1:59:B:ILE:H	18	0.85
(1,213)	1:83:A:GLY:HA2	1:87:A:GLU:HG2	2	0.85
(1,212)	1:83:B:GLY:HA2	1:87:B:GLU:HG2	2	0.85
(1,212)	1:83:B:GLY:HA2	1:87:B:GLU:HG2	9	0.85
(1,194)	1:91:A:MET:HG3	1:87:A:GLU:HA	1	0.85
(1,187)	1:39:B:GLN:HB2	1:41:B:ARG:HD2	17	0.85
(2,3)	1:67:B:LYS:H	1:67:B:LYS:HG3	12	0.84
(1,3153)	1:81:B:LEU:HD11	1:69:B:TRP:HZ3	1	0.84
(1,3153)	1:81:B:LEU:HD12	1:69:B:TRP:HZ3	1	0.84
(1,3153)	1:81:B:LEU:HD13	1:69:B:TRP:HZ3	1	0.84
(1,3152)	1:81:A:LEU:HD11	1:69:A:TRP:HZ3	1	0.84
(1,3152)	1:81:A:LEU:HD12	1:69:A:TRP:HZ3	1	0.84
(1,3152)	1:81:A:LEU:HD13	1:69:A:TRP:HZ3	1	0.84
(1,2722)	1:65:B:ILE:HD11	1:25:B:THR:HA	5	0.84
(1,2722)	1:65:B:ILE:HD12	1:25:B:THR:HA	5	0.84
(1,2722)	1:65:B:ILE:HD13	1:25:B:THR:HA	5	0.84
(1,2711)	1:31:A:LYS:H	1:31:A:LYS:HE3	17	0.84
(1,2710)	1:31:B:LYS:H	1:31:B:LYS:HE3	17	0.84
(1,2682)	1:26:A:VAL:HG11	1:22:A:ARG:HG3	3	0.84
(1,2682)	1:26:A:VAL:HG12	1:22:A:ARG:HG3	3	0.84
(1,2682)	1:26:A:VAL:HG13	1:22:A:ARG:HG3	3	0.84
(1,2644)	1:78:B:ILE:HD11	1:96:A:ASN:HD21	9	0.84
(1,2644)	1:78:B:ILE:HD12	1:96:A:ASN:HD21	9	0.84
(1,2644)	1:78:B:ILE:HD13	1:96:A:ASN:HD21	9	0.84
(1,2631)	1:52:A:ALA:HA	1:55:A:ARG:HD2	11	0.84
(1,2554)	1:94:A:ILE:HG13	1:93:A:ASN:HB3	2	0.84
(1,2553)	1:94:B:ILE:HG13	1:93:B:ASN:HB3	2	0.84
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD11	20	0.84
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD12	20	0.84
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD13	20	0.84
(1,2397)	1:90:A:ARG:H	1:90:A:ARG:HD3	6	0.84
(1,2397)	1:90:A:ARG:H	1:90:A:ARG:HD3	18	0.84
(1,1955)	1:98:A:ARG:HD2	1:74:B:LYS:HG2	4	0.84
(1,1690)	1:92:B:LEU:HD11	1:93:B:ASN:H	5	0.84
(1,1690)	1:92:B:LEU:HD12	1:93:B:ASN:H	5	0.84
(1,1690)	1:92:B:LEU:HD13	1:93:B:ASN:H	5	0.84
(1,1690)	1:92:B:LEU:HD11	1:93:B:ASN:H	15	0.84
(1,1690)	1:92:B:LEU:HD12	1:93:B:ASN:H	15	0.84
(1,1690)	1:92:B:LEU:HD13	1:93:B:ASN:H	15	0.84
(1,1689)	1:92:A:LEU:HD11	1:93:A:ASN:H	15	0.84
(1,1689)	1:92:A:LEU:HD12	1:93:A:ASN:H	15	0.84
(1,1689)	1:92:A:LEU:HD13	1:93:A:ASN:H	15	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1604)	1:93:A:ASN:HD21	1:89:A:GLY:HA3	8	0.84
(1,1141)	1:97:B:ARG:H	1:98:B:ARG:HG2	4	0.84
(1,1140)	1:97:A:ARG:H	1:98:A:ARG:HG2	7	0.84
(1,535)	1:32:A:ARG:H	1:30:A:THR:HB	4	0.84
(1,333)	1:62:A:THR:HG21	1:64:A:GLY:HA2	11	0.84
(1,333)	1:62:A:THR:HG22	1:64:A:GLY:HA2	11	0.84
(1,333)	1:62:A:THR:HG23	1:64:A:GLY:HA2	11	0.84
(1,332)	1:62:B:THR:HG21	1:64:B:GLY:HA2	11	0.84
(1,332)	1:62:B:THR:HG22	1:64:B:GLY:HA2	11	0.84
(1,332)	1:62:B:THR:HG23	1:64:B:GLY:HA2	11	0.84
(1,279)	1:41:B:ARG:H	1:38:B:LEU:HA	18	0.84
(1,278)	1:41:A:ARG:H	1:38:A:LEU:HA	18	0.84
(1,157)	1:78:A:ILE:HG21	1:96:B:ASN:HD22	8	0.84
(1,157)	1:78:A:ILE:HG22	1:96:B:ASN:HD22	8	0.84
(1,157)	1:78:A:ILE:HG23	1:96:B:ASN:HD22	8	0.84
(2,110)	1:31:A:LYS:HE3	1:31:A:LYS:HB3	16	0.83
(1,3309)	1:72:B:ILE:HG13	1:47:B:PHE:HB2	5	0.83
(1,3308)	1:72:A:ILE:HG13	1:47:A:PHE:HB2	5	0.83
(1,3213)	1:31:B:LYS:HE3	1:31:B:LYS:HB3	16	0.83
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG21	5	0.83
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG22	5	0.83
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG23	5	0.83
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG21	5	0.83
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG22	5	0.83
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG23	5	0.83
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG21	5	0.83
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG22	5	0.83
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG23	5	0.83
(1,3066)	1:24:A:SER:HB2	1:23:A:VAL:H	12	0.83
(1,2955)	1:38:A:LEU:HD11	1:36:A:GLY:HA3	12	0.83
(1,2955)	1:38:A:LEU:HD12	1:36:A:GLY:HA3	12	0.83
(1,2955)	1:38:A:LEU:HD13	1:36:A:GLY:HA3	12	0.83
(1,2954)	1:38:B:LEU:HD11	1:36:B:GLY:HA3	12	0.83
(1,2954)	1:38:B:LEU:HD12	1:36:B:GLY:HA3	12	0.83
(1,2954)	1:38:B:LEU:HD13	1:36:B:GLY:HA3	12	0.83
(1,2826)	1:51:A:VAL:HG21	1:55:A:ARG:HD3	12	0.83
(1,2826)	1:51:A:VAL:HG22	1:55:A:ARG:HD3	12	0.83
(1,2826)	1:51:A:VAL:HG23	1:55:A:ARG:HD3	12	0.83
(1,2825)	1:51:B:VAL:HG21	1:55:B:ARG:HD3	12	0.83
(1,2825)	1:51:B:VAL:HG22	1:55:B:ARG:HD3	12	0.83
(1,2825)	1:51:B:VAL:HG23	1:55:B:ARG:HD3	12	0.83
(1,2691)	1:68:B:ARG:HA	1:68:B:ARG:HD2	12	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2684)	1:46:A:LEU:H	1:47:A:PHE:HB2	4	0.83
(1,2635)	1:27:B:GLN:HA	1:24:B:SER:H	3	0.83
(1,2557)	1:94:A:ILE:HG21	1:74:B:LYS:HE2	1	0.83
(1,2557)	1:94:A:ILE:HG22	1:74:B:LYS:HE2	1	0.83
(1,2557)	1:94:A:ILE:HG23	1:74:B:LYS:HE2	1	0.83
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD11	8	0.83
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD12	8	0.83
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD13	8	0.83
(1,1604)	1:93:A:ASN:HD21	1:89:A:GLY:HA3	1	0.83
(1,1593)	1:93:B:ASN:HD21	1:93:B:ASN:H	19	0.83
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	19	0.83
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	19	0.83
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	19	0.83
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	19	0.83
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	19	0.83
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	19	0.83
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	19	0.83
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	19	0.83
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	19	0.83
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	19	0.83
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	19	0.83
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	19	0.83
(1,1438)	1:57:B:LEU:HD21	1:59:B:ILE:H	10	0.83
(1,1438)	1:57:B:LEU:HD22	1:59:B:ILE:H	10	0.83
(1,1438)	1:57:B:LEU:HD23	1:59:B:ILE:H	10	0.83
(1,1438)	1:57:B:LEU:HD21	1:59:B:ILE:H	15	0.83
(1,1438)	1:57:B:LEU:HD22	1:59:B:ILE:H	15	0.83
(1,1438)	1:57:B:LEU:HD23	1:59:B:ILE:H	15	0.83
(1,1155)	1:30:B:THR:HG21	1:28:B:GLN:H	18	0.83
(1,1155)	1:30:B:THR:HG22	1:28:B:GLN:H	18	0.83
(1,1155)	1:30:B:THR:HG23	1:28:B:GLN:H	18	0.83
(1,1154)	1:30:A:THR:HG21	1:28:A:GLN:H	18	0.83
(1,1154)	1:30:A:THR:HG22	1:28:A:GLN:H	18	0.83
(1,1154)	1:30:A:THR:HG23	1:28:A:GLN:H	18	0.83
(1,1140)	1:97:A:ARG:H	1:98:A:ARG:HG2	4	0.83
(1,1111)	1:41:A:ARG:HA	1:42:A:GLY:H	20	0.83
(1,1110)	1:41:B:ARG:HA	1:42:B:GLY:H	20	0.83
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD21	10	0.83
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD22	10	0.83
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD23	10	0.83
(1,788)	1:57:B:LEU:HD21	1:49:A:ALA:H	4	0.83
(1,788)	1:57:B:LEU:HD22	1:49:A:ALA:H	4	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:57:B:LEU:HD23	1:49:A:ALA:H	4	0.83
(1,773)	1:30:A:THR:HG21	1:27:A:GLN:HA	12	0.83
(1,773)	1:30:A:THR:HG22	1:27:A:GLN:HA	12	0.83
(1,773)	1:30:A:THR:HG23	1:27:A:GLN:HA	12	0.83
(1,536)	1:32:B:ARG:H	1:30:B:THR:HB	4	0.83
(1,213)	1:83:A:GLY:HA2	1:87:A:GLU:HG2	6	0.83
(1,71)	1:92:B:LEU:HD21	1:82:A:ARG:HA	1	0.83
(1,71)	1:92:B:LEU:HD22	1:82:A:ARG:HA	1	0.83
(1,71)	1:92:B:LEU:HD23	1:82:A:ARG:HA	1	0.83
(1,71)	1:92:B:LEU:HD21	1:82:A:ARG:HA	16	0.83
(1,71)	1:92:B:LEU:HD22	1:82:A:ARG:HA	16	0.83
(1,71)	1:92:B:LEU:HD23	1:82:A:ARG:HA	16	0.83
(2,124)	1:93:A:ASN:HD21	1:93:A:ASN:H	19	0.82
(2,15)	1:24:B:SER:HB2	1:23:B:VAL:H	12	0.82
(1,3251)	1:39:B:GLN:HB3	1:41:B:ARG:HG3	4	0.82
(1,3250)	1:39:A:GLN:HB3	1:41:A:ARG:HG3	4	0.82
(1,3248)	1:26:A:VAL:HG21	1:27:A:GLN:HG3	19	0.82
(1,3248)	1:26:A:VAL:HG22	1:27:A:GLN:HG3	19	0.82
(1,3248)	1:26:A:VAL:HG23	1:27:A:GLN:HG3	19	0.82
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG21	5	0.82
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG22	5	0.82
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG23	5	0.82
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG21	5	0.82
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG22	5	0.82
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG23	5	0.82
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG21	5	0.82
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG22	5	0.82
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG23	5	0.82
(1,3161)	1:43:A:PRO:HD2	1:46:A:LEU:HD11	13	0.82
(1,3161)	1:43:A:PRO:HD2	1:46:A:LEU:HD12	13	0.82
(1,3161)	1:43:A:PRO:HD2	1:46:A:LEU:HD13	13	0.82
(1,3160)	1:43:B:PRO:HD2	1:46:B:LEU:HD11	13	0.82
(1,3160)	1:43:B:PRO:HD2	1:46:B:LEU:HD12	13	0.82
(1,3160)	1:43:B:PRO:HD2	1:46:B:LEU:HD13	13	0.82
(1,2808)	1:23:B:VAL:HG11	1:24:B:SER:HA	12	0.82
(1,2808)	1:23:B:VAL:HG12	1:24:B:SER:HA	12	0.82
(1,2808)	1:23:B:VAL:HG13	1:24:B:SER:HA	12	0.82
(1,2692)	1:68:A:ARG:HA	1:68:A:ARG:HD2	12	0.82
(1,2685)	1:46:B:LEU:H	1:47:B:PHE:HB2	4	0.82
(1,2636)	1:27:A:GLN:HA	1:24:A:SER:H	3	0.82
(1,2523)	1:74:B:LYS:HG2	1:98:A:ARG:HG3	15	0.82
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD11	3	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD12	3	0.82
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD13	3	0.82
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD11	8	0.82
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD12	8	0.82
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD13	8	0.82
(1,2396)	1:90:B:ARG:H	1:90:B:ARG:HD3	6	0.82
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD11	6	0.82
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD12	6	0.82
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD13	6	0.82
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD1	20	0.82
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD2	20	0.82
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD1	20	0.82
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD2	20	0.82
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD1	20	0.82
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD2	20	0.82
(1,2084)	1:41:B:ARG:HB3	1:42:B:GLY:H	6	0.82
(1,2083)	1:41:A:ARG:HB3	1:42:A:GLY:H	6	0.82
(1,1694)	1:93:A:ASN:HB2	1:94:A:ILE:HA	10	0.82
(1,1693)	1:93:B:ASN:HB2	1:94:B:ILE:HA	10	0.82
(1,1690)	1:92:B:LEU:HD11	1:93:B:ASN:H	2	0.82
(1,1690)	1:92:B:LEU:HD12	1:93:B:ASN:H	2	0.82
(1,1690)	1:92:B:LEU:HD13	1:93:B:ASN:H	2	0.82
(1,1690)	1:92:B:LEU:HD11	1:93:B:ASN:H	7	0.82
(1,1690)	1:92:B:LEU:HD12	1:93:B:ASN:H	7	0.82
(1,1690)	1:92:B:LEU:HD13	1:93:B:ASN:H	7	0.82
(1,1690)	1:92:B:LEU:HD11	1:93:B:ASN:H	14	0.82
(1,1690)	1:92:B:LEU:HD12	1:93:B:ASN:H	14	0.82
(1,1690)	1:92:B:LEU:HD13	1:93:B:ASN:H	14	0.82
(1,1689)	1:92:A:LEU:HD11	1:93:A:ASN:H	2	0.82
(1,1689)	1:92:A:LEU:HD12	1:93:A:ASN:H	2	0.82
(1,1689)	1:92:A:LEU:HD13	1:93:A:ASN:H	2	0.82
(1,1689)	1:92:A:LEU:HD11	1:93:A:ASN:H	7	0.82
(1,1689)	1:92:A:LEU:HD12	1:93:A:ASN:H	7	0.82
(1,1689)	1:92:A:LEU:HD13	1:93:A:ASN:H	7	0.82
(1,1689)	1:92:A:LEU:HD11	1:93:A:ASN:H	14	0.82
(1,1689)	1:92:A:LEU:HD12	1:93:A:ASN:H	14	0.82
(1,1689)	1:92:A:LEU:HD13	1:93:A:ASN:H	14	0.82
(1,1482)	1:41:B:ARG:H	1:39:B:GLN:H	2	0.82
(1,1481)	1:41:A:ARG:H	1:39:A:GLN:H	2	0.82
(1,1155)	1:30:B:THR:HG21	1:28:B:GLN:H	5	0.82
(1,1155)	1:30:B:THR:HG22	1:28:B:GLN:H	5	0.82
(1,1155)	1:30:B:THR:HG23	1:28:B:GLN:H	5	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1111)	1:41:A:ARG:HA	1:42:A:GLY:H	16	0.82
(1,1110)	1:41:B:ARG:HA	1:42:B:GLY:H	16	0.82
(1,787)	1:57:A:LEU:HD21	1:49:B:ALA:H	4	0.82
(1,787)	1:57:A:LEU:HD22	1:49:B:ALA:H	4	0.82
(1,787)	1:57:A:LEU:HD23	1:49:B:ALA:H	4	0.82
(1,772)	1:30:B:THR:HG21	1:27:B:GLN:HA	12	0.82
(1,772)	1:30:B:THR:HG22	1:27:B:GLN:HA	12	0.82
(1,772)	1:30:B:THR:HG23	1:27:B:GLN:HA	12	0.82
(1,496)	1:26:A:VAL:HG21	1:28:A:GLN:H	14	0.82
(1,496)	1:26:A:VAL:HG22	1:28:A:GLN:H	14	0.82
(1,496)	1:26:A:VAL:HG23	1:28:A:GLN:H	14	0.82
(1,212)	1:83:B:GLY:HA2	1:87:B:GLU:HG2	6	0.82
(1,71)	1:92:B:LEU:HD21	1:82:A:ARG:HA	2	0.82
(1,71)	1:92:B:LEU:HD22	1:82:A:ARG:HA	2	0.82
(1,71)	1:92:B:LEU:HD23	1:82:A:ARG:HA	2	0.82
(1,70)	1:92:A:LEU:HD21	1:82:B:ARG:HA	1	0.82
(1,70)	1:92:A:LEU:HD22	1:82:B:ARG:HA	1	0.82
(1,70)	1:92:A:LEU:HD23	1:82:B:ARG:HA	1	0.82
(2,3)	1:67:B:LYS:H	1:67:B:LYS:HG3	7	0.81
(1,3171)	1:57:B:LEU:HD11	1:53:B:PHE:HB3	9	0.81
(1,3171)	1:57:B:LEU:HD12	1:53:B:PHE:HB3	9	0.81
(1,3171)	1:57:B:LEU:HD13	1:53:B:PHE:HB3	9	0.81
(1,3032)	1:79:B:ASN:H	1:82:B:ARG:HD3	7	0.81
(1,3031)	1:79:A:ASN:H	1:82:A:ARG:HD3	7	0.81
(1,2616)	1:96:A:ASN:H	1:98:A:ARG:HD3	17	0.81
(1,2554)	1:94:A:ILE:HG13	1:93:A:ASN:HB3	7	0.81
(1,2553)	1:94:B:ILE:HG13	1:93:B:ASN:HB3	7	0.81
(1,2494)	1:23:B:VAL:HG21	1:24:B:SER:H	17	0.81
(1,2494)	1:23:B:VAL:HG22	1:24:B:SER:H	17	0.81
(1,2494)	1:23:B:VAL:HG23	1:24:B:SER:H	17	0.81
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD21	10	0.81
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD22	10	0.81
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD23	10	0.81
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD21	10	0.81
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD22	10	0.81
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD23	10	0.81
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD11	6	0.81
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD12	6	0.81
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD13	6	0.81
(1,1837)	1:67:A:LYS:H	1:67:A:LYS:HG3	7	0.81
(1,1828)	1:92:A:LEU:H	1:89:A:GLY:HA3	12	0.81
(1,1690)	1:92:B:LEU:HD11	1:93:B:ASN:H	1	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1690)	1:92:B:LEU:HD12	1:93:B:ASN:H	1	0.81
(1,1690)	1:92:B:LEU:HD13	1:93:B:ASN:H	1	0.81
(1,1690)	1:92:B:LEU:HD11	1:93:B:ASN:H	3	0.81
(1,1690)	1:92:B:LEU:HD12	1:93:B:ASN:H	3	0.81
(1,1690)	1:92:B:LEU:HD13	1:93:B:ASN:H	3	0.81
(1,1689)	1:92:A:LEU:HD11	1:93:A:ASN:H	1	0.81
(1,1689)	1:92:A:LEU:HD12	1:93:A:ASN:H	1	0.81
(1,1689)	1:92:A:LEU:HD13	1:93:A:ASN:H	1	0.81
(1,1689)	1:92:A:LEU:HD11	1:93:A:ASN:H	3	0.81
(1,1689)	1:92:A:LEU:HD12	1:93:A:ASN:H	3	0.81
(1,1689)	1:92:A:LEU:HD13	1:93:A:ASN:H	3	0.81
(1,1637)	1:28:B:GLN:H	1:24:B:SER:H	8	0.81
(1,1636)	1:28:A:GLN:H	1:24:A:SER:H	8	0.81
(1,1312)	1:95:B:LEU:HD11	1:69:A:TRP:HH2	10	0.81
(1,1312)	1:95:B:LEU:HD12	1:69:A:TRP:HH2	10	0.81
(1,1312)	1:95:B:LEU:HD13	1:69:A:TRP:HH2	10	0.81
(1,1154)	1:30:A:THR:HG21	1:28:A:GLN:H	5	0.81
(1,1154)	1:30:A:THR:HG22	1:28:A:GLN:H	5	0.81
(1,1154)	1:30:A:THR:HG23	1:28:A:GLN:H	5	0.81
(1,1082)	1:93:B:ASN:HD21	1:91:B:MET:H	14	0.81
(1,717)	1:44:B:LEU:HD21	1:73:B:LYS:H	2	0.81
(1,717)	1:44:B:LEU:HD22	1:73:B:LYS:H	2	0.81
(1,717)	1:44:B:LEU:HD23	1:73:B:LYS:H	2	0.81
(1,228)	1:74:A:LYS:HE3	1:98:B:ARG:HD2	1	0.81
(1,70)	1:92:A:LEU:HD21	1:82:B:ARG:HA	16	0.81
(1,70)	1:92:A:LEU:HD22	1:82:B:ARG:HA	16	0.81
(1,70)	1:92:A:LEU:HD23	1:82:B:ARG:HA	16	0.81
(2,229)	1:93:A:ASN:HD21	1:91:A:MET:H	14	0.8
(2,58)	1:62:B:THR:HG21	1:24:B:SER:HB2	8	0.8
(2,58)	1:62:B:THR:HG22	1:24:B:SER:HB2	8	0.8
(2,58)	1:62:B:THR:HG23	1:24:B:SER:HB2	8	0.8
(2,3)	1:67:B:LYS:H	1:67:B:LYS:HG3	1	0.8
(1,3410)	1:94:A:ILE:HA	1:97:A:ARG:HB2	2	0.8
(1,3409)	1:94:B:ILE:HA	1:97:B:ARG:HB2	2	0.8
(1,2995)	1:44:A:LEU:HD11	1:71:A:THR:HA	13	0.8
(1,2995)	1:44:A:LEU:HD12	1:71:A:THR:HA	13	0.8
(1,2995)	1:44:A:LEU:HD13	1:71:A:THR:HA	13	0.8
(1,2994)	1:44:B:LEU:HD11	1:71:B:THR:HA	13	0.8
(1,2994)	1:44:B:LEU:HD12	1:71:B:THR:HA	13	0.8
(1,2994)	1:44:B:LEU:HD13	1:71:B:THR:HA	13	0.8
(1,2703)	1:55:A:ARG:HB3	1:52:A:ALA:HA	20	0.8
(1,2702)	1:55:B:ARG:HB3	1:52:B:ALA:HA	20	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2701)	1:30:A:THR:HG21	1:27:A:GLN:HG3	17	0.8
(1,2701)	1:30:A:THR:HG22	1:27:A:GLN:HG3	17	0.8
(1,2701)	1:30:A:THR:HG23	1:27:A:GLN:HG3	17	0.8
(1,2617)	1:96:B:ASN:H	1:98:B:ARG:HD3	17	0.8
(1,2556)	1:94:B:ILE:HG21	1:74:A:LYS:HE2	1	0.8
(1,2556)	1:94:B:ILE:HG22	1:74:A:LYS:HE2	1	0.8
(1,2556)	1:94:B:ILE:HG23	1:74:A:LYS:HE2	1	0.8
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD11	13	0.8
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD12	13	0.8
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD13	13	0.8
(1,2419)	1:94:B:ILE:H	1:93:B:ASN:HB2	19	0.8
(1,2418)	1:94:A:ILE:H	1:93:A:ASN:HB2	19	0.8
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD1	17	0.8
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD2	17	0.8
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD1	17	0.8
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD2	17	0.8
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD1	17	0.8
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD2	17	0.8
(1,2065)	1:62:A:THR:HG21	1:24:A:SER:HB2	8	0.8
(1,2065)	1:62:A:THR:HG22	1:24:A:SER:HB2	8	0.8
(1,2065)	1:62:A:THR:HG23	1:24:A:SER:HB2	8	0.8
(1,1837)	1:67:A:LYS:H	1:67:A:LYS:HG3	1	0.8
(1,1828)	1:92:A:LEU:H	1:89:A:GLY:HA3	19	0.8
(1,1690)	1:92:B:LEU:HD11	1:93:B:ASN:H	4	0.8
(1,1690)	1:92:B:LEU:HD12	1:93:B:ASN:H	4	0.8
(1,1690)	1:92:B:LEU:HD13	1:93:B:ASN:H	4	0.8
(1,1690)	1:92:B:LEU:HD11	1:93:B:ASN:H	12	0.8
(1,1690)	1:92:B:LEU:HD12	1:93:B:ASN:H	12	0.8
(1,1690)	1:92:B:LEU:HD13	1:93:B:ASN:H	12	0.8
(1,1689)	1:92:A:LEU:HD11	1:93:A:ASN:H	4	0.8
(1,1689)	1:92:A:LEU:HD12	1:93:A:ASN:H	4	0.8
(1,1689)	1:92:A:LEU:HD13	1:93:A:ASN:H	4	0.8
(1,1689)	1:92:A:LEU:HD11	1:93:A:ASN:H	12	0.8
(1,1689)	1:92:A:LEU:HD12	1:93:A:ASN:H	12	0.8
(1,1689)	1:92:A:LEU:HD13	1:93:A:ASN:H	12	0.8
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	15	0.8
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	15	0.8
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	15	0.8
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	15	0.8
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	15	0.8
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	15	0.8
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	18	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	18	0.8
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	18	0.8
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	18	0.8
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	18	0.8
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	18	0.8
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	15	0.8
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	15	0.8
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	15	0.8
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	15	0.8
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	15	0.8
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	15	0.8
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	18	0.8
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	18	0.8
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	18	0.8
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	18	0.8
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	18	0.8
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	18	0.8
(1,1482)	1:41:B:ARG:H	1:39:B:GLN:H	14	0.8
(1,1382)	1:99:B:ARG:HA	1:100:B:ARG:HB2	18	0.8
(1,979)	1:25:B:THR:HG21	1:27:B:GLN:H	4	0.8
(1,979)	1:25:B:THR:HG22	1:27:B:GLN:H	4	0.8
(1,979)	1:25:B:THR:HG23	1:27:B:GLN:H	4	0.8
(1,716)	1:44:A:LEU:HD21	1:73:A:LYS:H	2	0.8
(1,716)	1:44:A:LEU:HD22	1:73:A:LYS:H	2	0.8
(1,716)	1:44:A:LEU:HD23	1:73:A:LYS:H	2	0.8
(1,662)	1:62:B:THR:H	1:66:B:LEU:H	1	0.8
(1,216)	1:77:B:ALA:HB1	1:48:B:MET:HG2	17	0.8
(1,216)	1:77:B:ALA:HB2	1:48:B:MET:HG2	17	0.8
(1,216)	1:77:B:ALA:HB3	1:48:B:MET:HG2	17	0.8
(1,215)	1:77:A:ALA:HB1	1:48:A:MET:HG2	17	0.8
(1,215)	1:77:A:ALA:HB2	1:48:A:MET:HG2	17	0.8
(1,215)	1:77:A:ALA:HB3	1:48:A:MET:HG2	17	0.8
(1,71)	1:92:B:LEU:HD21	1:82:A:ARG:HA	14	0.8
(1,71)	1:92:B:LEU:HD22	1:82:A:ARG:HA	14	0.8
(1,71)	1:92:B:LEU:HD23	1:82:A:ARG:HA	14	0.8
(2,240)	1:30:B:THR:HG21	1:27:B:GLN:HG3	17	0.79
(2,240)	1:30:B:THR:HG22	1:27:B:GLN:HG3	17	0.79
(2,240)	1:30:B:THR:HG23	1:27:B:GLN:HG3	17	0.79
(2,110)	1:31:A:LYS:HE2	1:31:A:LYS:HB2	15	0.79
(2,3)	1:67:B:LYS:H	1:67:B:LYS:HG3	4	0.79
(1,3423)	1:72:A:ILE:HG13	1:71:A:THR:H	8	0.79
(1,3422)	1:72:B:ILE:HG13	1:71:B:THR:H	8	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3361)	1:51:B:VAL:HG11	1:65:B:ILE:HG13	12	0.79
(1,3361)	1:51:B:VAL:HG12	1:65:B:ILE:HG13	12	0.79
(1,3361)	1:51:B:VAL:HG13	1:65:B:ILE:HG13	12	0.79
(1,3360)	1:51:A:VAL:HG11	1:65:A:ILE:HG13	12	0.79
(1,3360)	1:51:A:VAL:HG12	1:65:A:ILE:HG13	12	0.79
(1,3360)	1:51:A:VAL:HG13	1:65:A:ILE:HG13	12	0.79
(1,3213)	1:31:B:LYS:HE2	1:31:B:LYS:HB2	15	0.79
(1,3079)	1:22:A:ARG:HB2	1:24:A:SER:HA	8	0.79
(1,3078)	1:22:B:ARG:HB2	1:24:B:SER:HA	8	0.79
(1,2826)	1:51:A:VAL:HG21	1:55:A:ARG:HD3	13	0.79
(1,2826)	1:51:A:VAL:HG22	1:55:A:ARG:HD3	13	0.79
(1,2826)	1:51:A:VAL:HG23	1:55:A:ARG:HD3	13	0.79
(1,2825)	1:51:B:VAL:HG21	1:55:B:ARG:HD3	13	0.79
(1,2825)	1:51:B:VAL:HG22	1:55:B:ARG:HD3	13	0.79
(1,2825)	1:51:B:VAL:HG23	1:55:B:ARG:HD3	13	0.79
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD21	16	0.79
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD22	16	0.79
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD23	16	0.79
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD21	16	0.79
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD22	16	0.79
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD23	16	0.79
(1,1956)	1:98:B:ARG:HD2	1:74:A:LYS:HG2	4	0.79
(1,1837)	1:67:A:LYS:H	1:67:A:LYS:HG3	4	0.79
(1,1828)	1:92:A:LEU:H	1:89:A:GLY:HA3	1	0.79
(1,1828)	1:92:A:LEU:H	1:89:A:GLY:HA3	14	0.79
(1,1828)	1:92:A:LEU:H	1:89:A:GLY:HA3	17	0.79
(1,1690)	1:92:B:LEU:HD11	1:93:B:ASN:H	16	0.79
(1,1690)	1:92:B:LEU:HD12	1:93:B:ASN:H	16	0.79
(1,1690)	1:92:B:LEU:HD13	1:93:B:ASN:H	16	0.79
(1,1689)	1:92:A:LEU:HD11	1:93:A:ASN:H	16	0.79
(1,1689)	1:92:A:LEU:HD12	1:93:A:ASN:H	16	0.79
(1,1689)	1:92:A:LEU:HD13	1:93:A:ASN:H	16	0.79
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	3	0.79
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	3	0.79
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	3	0.79
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	3	0.79
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	3	0.79
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	3	0.79
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	3	0.79
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	3	0.79
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	3	0.79
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	3	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	3	0.79
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	3	0.79
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	13	0.79
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	13	0.79
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	13	0.79
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	13	0.79
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	13	0.79
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	13	0.79
(1,1311)	1:95:A:LEU:HD11	1:69:B:TRP:HH2	18	0.79
(1,1311)	1:95:A:LEU:HD12	1:69:B:TRP:HH2	18	0.79
(1,1311)	1:95:A:LEU:HD13	1:69:B:TRP:HH2	18	0.79
(1,980)	1:25:A:THR:HG21	1:27:A:GLN:H	4	0.79
(1,980)	1:25:A:THR:HG22	1:27:A:GLN:H	4	0.79
(1,980)	1:25:A:THR:HG23	1:27:A:GLN:H	4	0.79
(1,936)	1:51:A:VAL:HG21	1:65:A:ILE:HA	16	0.79
(1,936)	1:51:A:VAL:HG22	1:65:A:ILE:HA	16	0.79
(1,936)	1:51:A:VAL:HG23	1:65:A:ILE:HA	16	0.79
(1,773)	1:30:A:THR:HG21	1:27:A:GLN:HA	8	0.79
(1,773)	1:30:A:THR:HG22	1:27:A:GLN:HA	8	0.79
(1,773)	1:30:A:THR:HG23	1:27:A:GLN:HA	8	0.79
(1,772)	1:30:B:THR:HG21	1:27:B:GLN:HA	8	0.79
(1,772)	1:30:B:THR:HG22	1:27:B:GLN:HA	8	0.79
(1,772)	1:30:B:THR:HG23	1:27:B:GLN:HA	8	0.79
(1,693)	1:54:B:LEU:HA	1:58:B:THR:H	7	0.79
(1,692)	1:54:A:LEU:HA	1:58:A:THR:H	7	0.79
(1,674)	1:62:B:THR:HG21	1:26:B:VAL:HA	14	0.79
(1,674)	1:62:B:THR:HG22	1:26:B:VAL:HA	14	0.79
(1,674)	1:62:B:THR:HG23	1:26:B:VAL:HA	14	0.79
(1,663)	1:62:A:THR:H	1:66:A:LEU:H	1	0.79
(1,551)	1:25:A:THR:H	1:29:A:LEU:H	12	0.79
(1,550)	1:25:B:THR:H	1:29:B:LEU:H	12	0.79
(1,536)	1:32:B:ARG:H	1:30:B:THR:HB	20	0.79
(1,535)	1:32:A:ARG:H	1:30:A:THR:HB	20	0.79
(1,496)	1:26:A:VAL:HG21	1:28:A:GLN:H	20	0.79
(1,496)	1:26:A:VAL:HG22	1:28:A:GLN:H	20	0.79
(1,496)	1:26:A:VAL:HG23	1:28:A:GLN:H	20	0.79
(1,213)	1:83:A:GLY:HA2	1:87:A:GLU:HG2	18	0.79
(1,194)	1:91:A:MET:HG3	1:87:A:GLU:HA	4	0.79
(1,132)	1:90:B:ARG:HA	1:93:B:ASN:HD21	5	0.79
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD21	11	0.79
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD22	11	0.79
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD23	11	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD21	11	0.79
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD22	11	0.79
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD23	11	0.79
(1,3340)	1:62:B:THR:HA	1:25:B:THR:HB	11	0.78
(1,3340)	1:62:B:THR:HA	1:25:B:THR:HB	16	0.78
(1,3339)	1:62:A:THR:HA	1:25:A:THR:HB	11	0.78
(1,3339)	1:62:A:THR:HA	1:25:A:THR:HB	16	0.78
(1,3319)	1:71:A:THR:HG21	1:44:A:LEU:HA	13	0.78
(1,3319)	1:71:A:THR:HG22	1:44:A:LEU:HA	13	0.78
(1,3319)	1:71:A:THR:HG23	1:44:A:LEU:HA	13	0.78
(1,3318)	1:71:B:THR:HG21	1:44:B:LEU:HA	13	0.78
(1,3318)	1:71:B:THR:HG22	1:44:B:LEU:HA	13	0.78
(1,3318)	1:71:B:THR:HG23	1:44:B:LEU:HA	13	0.78
(1,3279)	1:88:A:ILE:HG12	1:52:B:ALA:HA	8	0.78
(1,3248)	1:26:A:VAL:HG21	1:27:A:GLN:HG3	20	0.78
(1,3248)	1:26:A:VAL:HG22	1:27:A:GLN:HG3	20	0.78
(1,3248)	1:26:A:VAL:HG23	1:27:A:GLN:HG3	20	0.78
(1,3198)	1:48:B:MET:HB2	1:47:B:PHE:HB2	5	0.78
(1,3197)	1:48:A:MET:HB2	1:47:A:PHE:HB2	5	0.78
(1,2692)	1:68:A:ARG:HA	1:68:A:ARG:HD3	16	0.78
(1,2691)	1:68:B:ARG:HA	1:68:B:ARG:HD3	16	0.78
(1,2681)	1:95:B:LEU:HB2	1:74:A:LYS:HD2	20	0.78
(1,2680)	1:95:A:LEU:HB2	1:74:B:LYS:HD2	20	0.78
(1,2636)	1:27:A:GLN:HA	1:24:A:SER:H	17	0.78
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD11	16	0.78
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD12	16	0.78
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD13	16	0.78
(1,2409)	1:25:B:THR:H	1:24:B:SER:HA	17	0.78
(1,2408)	1:25:A:THR:H	1:24:A:SER:HA	17	0.78
(1,1955)	1:98:A:ARG:HD2	1:74:B:LYS:HG2	10	0.78
(1,1828)	1:92:A:LEU:H	1:89:A:GLY:HA3	5	0.78
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	13	0.78
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	13	0.78
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	13	0.78
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	13	0.78
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	13	0.78
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	13	0.78
(1,1481)	1:41:A:ARG:H	1:39:A:GLN:H	14	0.78
(1,1312)	1:95:B:LEU:HD11	1:69:A:TRP:HH2	11	0.78
(1,1312)	1:95:B:LEU:HD12	1:69:A:TRP:HH2	11	0.78
(1,1312)	1:95:B:LEU:HD13	1:69:A:TRP:HH2	11	0.78
(1,1111)	1:41:A:ARG:HA	1:42:A:GLY:H	12	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1110)	1:41:B:ARG:HA	1:42:B:GLY:H	12	0.78
(1,937)	1:51:B:VAL:HG21	1:65:B:ILE:HA	16	0.78
(1,937)	1:51:B:VAL:HG22	1:65:B:ILE:HA	16	0.78
(1,937)	1:51:B:VAL:HG23	1:65:B:ILE:HA	16	0.78
(1,784)	1:22:B:ARG:HG2	1:23:B:VAL:H	17	0.78
(1,675)	1:62:A:THR:HG21	1:26:A:VAL:HA	14	0.78
(1,675)	1:62:A:THR:HG22	1:26:A:VAL:HA	14	0.78
(1,675)	1:62:A:THR:HG23	1:26:A:VAL:HA	14	0.78
(1,550)	1:25:B:THR:H	1:29:B:LEU:H	5	0.78
(1,496)	1:26:A:VAL:HG21	1:28:A:GLN:H	19	0.78
(1,496)	1:26:A:VAL:HG22	1:28:A:GLN:H	19	0.78
(1,496)	1:26:A:VAL:HG23	1:28:A:GLN:H	19	0.78
(1,457)	1:26:A:VAL:HA	1:22:A:ARG:HG2	8	0.78
(1,229)	1:74:B:LYS:HE3	1:98:A:ARG:HD2	1	0.78
(1,212)	1:83:B:GLY:HA2	1:87:B:GLU:HG2	18	0.78
(1,131)	1:90:A:ARG:HA	1:93:A:ASN:HD21	5	0.78
(1,3340)	1:62:B:THR:HA	1:25:B:THR:HB	20	0.77
(1,3339)	1:62:A:THR:HA	1:25:A:THR:HB	20	0.77
(1,3225)	1:95:A:LEU:HD21	1:96:A:ASN:HB2	7	0.77
(1,3225)	1:95:A:LEU:HD22	1:96:A:ASN:HB2	7	0.77
(1,3225)	1:95:A:LEU:HD23	1:96:A:ASN:HB2	7	0.77
(1,3224)	1:95:B:LEU:HD21	1:96:B:ASN:HB2	7	0.77
(1,3224)	1:95:B:LEU:HD22	1:96:B:ASN:HB2	7	0.77
(1,3224)	1:95:B:LEU:HD23	1:96:B:ASN:HB2	7	0.77
(1,3076)	1:99:B:ARG:H	1:97:B:ARG:HG3	16	0.77
(1,2780)	1:49:A:ALA:H	1:44:A:LEU:HD11	16	0.77
(1,2780)	1:49:A:ALA:H	1:44:A:LEU:HD12	16	0.77
(1,2780)	1:49:A:ALA:H	1:44:A:LEU:HD13	16	0.77
(1,2779)	1:49:B:ALA:H	1:44:B:LEU:HD11	16	0.77
(1,2779)	1:49:B:ALA:H	1:44:B:LEU:HD12	16	0.77
(1,2779)	1:49:B:ALA:H	1:44:B:LEU:HD13	16	0.77
(1,2691)	1:68:B:ARG:HA	1:68:B:ARG:HD3	2	0.77
(1,2683)	1:26:B:VAL:HG11	1:22:B:ARG:HG3	12	0.77
(1,2683)	1:26:B:VAL:HG12	1:22:B:ARG:HG3	12	0.77
(1,2683)	1:26:B:VAL:HG13	1:22:B:ARG:HG3	12	0.77
(1,2682)	1:26:A:VAL:HG11	1:22:A:ARG:HG3	12	0.77
(1,2682)	1:26:A:VAL:HG12	1:22:A:ARG:HG3	12	0.77
(1,2682)	1:26:A:VAL:HG13	1:22:A:ARG:HG3	12	0.77
(1,2645)	1:78:A:ILE:HD11	1:96:B:ASN:HD21	15	0.77
(1,2645)	1:78:A:ILE:HD12	1:96:B:ASN:HD21	15	0.77
(1,2645)	1:78:A:ILE:HD13	1:96:B:ASN:HD21	15	0.77
(1,2635)	1:27:B:GLN:HA	1:24:B:SER:H	17	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2096)	1:23:B:VAL:HG11	1:24:B:SER:H	8	0.77
(1,2096)	1:23:B:VAL:HG12	1:24:B:SER:H	8	0.77
(1,2096)	1:23:B:VAL:HG13	1:24:B:SER:H	8	0.77
(1,1956)	1:98:B:ARG:HD2	1:74:A:LYS:HG2	17	0.77
(1,1690)	1:92:B:LEU:HD11	1:93:B:ASN:H	11	0.77
(1,1690)	1:92:B:LEU:HD12	1:93:B:ASN:H	11	0.77
(1,1690)	1:92:B:LEU:HD13	1:93:B:ASN:H	11	0.77
(1,1690)	1:92:B:LEU:HD11	1:93:B:ASN:H	18	0.77
(1,1690)	1:92:B:LEU:HD12	1:93:B:ASN:H	18	0.77
(1,1690)	1:92:B:LEU:HD13	1:93:B:ASN:H	18	0.77
(1,1689)	1:92:A:LEU:HD11	1:93:A:ASN:H	9	0.77
(1,1689)	1:92:A:LEU:HD12	1:93:A:ASN:H	9	0.77
(1,1689)	1:92:A:LEU:HD13	1:93:A:ASN:H	9	0.77
(1,1689)	1:92:A:LEU:HD11	1:93:A:ASN:H	18	0.77
(1,1689)	1:92:A:LEU:HD12	1:93:A:ASN:H	18	0.77
(1,1689)	1:92:A:LEU:HD13	1:93:A:ASN:H	18	0.77
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	4	0.77
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	4	0.77
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	4	0.77
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	4	0.77
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	4	0.77
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	4	0.77
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	7	0.77
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	7	0.77
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	7	0.77
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	7	0.77
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	7	0.77
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	7	0.77
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	20	0.77
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	20	0.77
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	20	0.77
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	20	0.77
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	20	0.77
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	20	0.77
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	4	0.77
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	4	0.77
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	4	0.77
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	4	0.77
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	4	0.77
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	4	0.77
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	7	0.77
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	7	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	7	0.77
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	7	0.77
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	7	0.77
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	7	0.77
(1,1274)	1:23:A:VAL:H	1:24:A:SER:HA	11	0.77
(1,1155)	1:30:B:THR:HG21	1:28:B:GLN:H	11	0.77
(1,1155)	1:30:B:THR:HG22	1:28:B:GLN:H	11	0.77
(1,1155)	1:30:B:THR:HG23	1:28:B:GLN:H	11	0.77
(1,1154)	1:30:A:THR:HG21	1:28:A:GLN:H	11	0.77
(1,1154)	1:30:A:THR:HG22	1:28:A:GLN:H	11	0.77
(1,1154)	1:30:A:THR:HG23	1:28:A:GLN:H	11	0.77
(1,551)	1:25:A:THR:H	1:29:A:LEU:H	1	0.77
(1,551)	1:25:A:THR:H	1:29:A:LEU:H	5	0.77
(1,550)	1:25:B:THR:H	1:29:B:LEU:H	1	0.77
(1,496)	1:26:A:VAL:HG21	1:28:A:GLN:H	9	0.77
(1,496)	1:26:A:VAL:HG22	1:28:A:GLN:H	9	0.77
(1,496)	1:26:A:VAL:HG23	1:28:A:GLN:H	9	0.77
(1,496)	1:26:A:VAL:HG21	1:28:A:GLN:H	12	0.77
(1,496)	1:26:A:VAL:HG22	1:28:A:GLN:H	12	0.77
(1,496)	1:26:A:VAL:HG23	1:28:A:GLN:H	12	0.77
(1,458)	1:26:B:VAL:HA	1:22:B:ARG:HG2	8	0.77
(1,374)	1:56:A:PHE:HD1	1:49:B:ALA:HA	15	0.77
(1,374)	1:56:A:PHE:HD2	1:49:B:ALA:HA	15	0.77
(1,156)	1:78:B:ILE:HG21	1:96:A:ASN:HD22	8	0.77
(1,156)	1:78:B:ILE:HG22	1:96:A:ASN:HD22	8	0.77
(1,156)	1:78:B:ILE:HG23	1:96:A:ASN:HD22	8	0.77
(1,45)	1:95:B:LEU:HA	1:74:A:LYS:HE2	2	0.77
(1,33)	1:57:A:LEU:HD11	1:45:B:LYS:HE2	9	0.77
(1,33)	1:57:A:LEU:HD12	1:45:B:LYS:HE2	9	0.77
(1,33)	1:57:A:LEU:HD13	1:45:B:LYS:HE2	9	0.77
(1,3361)	1:51:B:VAL:HG11	1:65:B:ILE:HG13	19	0.76
(1,3361)	1:51:B:VAL:HG12	1:65:B:ILE:HG13	19	0.76
(1,3361)	1:51:B:VAL:HG13	1:65:B:ILE:HG13	19	0.76
(1,3360)	1:51:A:VAL:HG11	1:65:A:ILE:HG13	19	0.76
(1,3360)	1:51:A:VAL:HG12	1:65:A:ILE:HG13	19	0.76
(1,3360)	1:51:A:VAL:HG13	1:65:A:ILE:HG13	19	0.76
(1,3339)	1:62:A:THR:HA	1:25:A:THR:HB	15	0.76
(1,3281)	1:66:B:LEU:HD21	1:66:B:LEU:HA	9	0.76
(1,3281)	1:66:B:LEU:HD22	1:66:B:LEU:HA	9	0.76
(1,3281)	1:66:B:LEU:HD23	1:66:B:LEU:HA	9	0.76
(1,3280)	1:88:B:ILE:HG12	1:52:A:ALA:HA	8	0.76
(1,3224)	1:95:B:LEU:HD21	1:96:B:ASN:HB2	16	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3224)	1:95:B:LEU:HD22	1:96:B:ASN:HB2	16	0.76
(1,3224)	1:95:B:LEU:HD23	1:96:B:ASN:HB2	16	0.76
(1,2822)	1:59:B:ILE:HD11	1:54:B:LEU:HA	20	0.76
(1,2822)	1:59:B:ILE:HD12	1:54:B:LEU:HA	20	0.76
(1,2822)	1:59:B:ILE:HD13	1:54:B:LEU:HA	20	0.76
(1,2821)	1:59:A:ILE:HD11	1:54:A:LEU:HA	20	0.76
(1,2821)	1:59:A:ILE:HD12	1:54:A:LEU:HA	20	0.76
(1,2821)	1:59:A:ILE:HD13	1:54:A:LEU:HA	20	0.76
(1,2692)	1:68:A:ARG:HA	1:68:A:ARG:HD3	2	0.76
(1,2675)	1:69:B:TRP:HH2	1:47:B:PHE:HE1	12	0.76
(1,2675)	1:69:B:TRP:HH2	1:47:B:PHE:HE2	12	0.76
(1,2674)	1:69:A:TRP:HH2	1:47:A:PHE:HE1	12	0.76
(1,2674)	1:69:A:TRP:HH2	1:47:A:PHE:HE2	12	0.76
(1,2419)	1:94:B:ILE:H	1:93:B:ASN:HB2	5	0.76
(1,2237)	1:28:B:GLN:HA	1:31:B:LYS:HE3	4	0.76
(1,2236)	1:28:A:GLN:HA	1:31:A:LYS:HE3	4	0.76
(1,2040)	1:71:A:THR:HG21	1:43:A:PRO:HD2	5	0.76
(1,2040)	1:71:A:THR:HG22	1:43:A:PRO:HD2	5	0.76
(1,2040)	1:71:A:THR:HG23	1:43:A:PRO:HD2	5	0.76
(1,1690)	1:92:B:LEU:HD11	1:93:B:ASN:H	9	0.76
(1,1690)	1:92:B:LEU:HD12	1:93:B:ASN:H	9	0.76
(1,1690)	1:92:B:LEU:HD13	1:93:B:ASN:H	9	0.76
(1,1690)	1:92:B:LEU:HD11	1:93:B:ASN:H	19	0.76
(1,1690)	1:92:B:LEU:HD12	1:93:B:ASN:H	19	0.76
(1,1690)	1:92:B:LEU:HD13	1:93:B:ASN:H	19	0.76
(1,1690)	1:92:B:LEU:HD11	1:93:B:ASN:H	20	0.76
(1,1690)	1:92:B:LEU:HD12	1:93:B:ASN:H	20	0.76
(1,1690)	1:92:B:LEU:HD13	1:93:B:ASN:H	20	0.76
(1,1689)	1:92:A:LEU:HD11	1:93:A:ASN:H	11	0.76
(1,1689)	1:92:A:LEU:HD12	1:93:A:ASN:H	11	0.76
(1,1689)	1:92:A:LEU:HD13	1:93:A:ASN:H	11	0.76
(1,1689)	1:92:A:LEU:HD11	1:93:A:ASN:H	19	0.76
(1,1689)	1:92:A:LEU:HD12	1:93:A:ASN:H	19	0.76
(1,1689)	1:92:A:LEU:HD13	1:93:A:ASN:H	19	0.76
(1,1689)	1:92:A:LEU:HD11	1:93:A:ASN:H	20	0.76
(1,1689)	1:92:A:LEU:HD12	1:93:A:ASN:H	20	0.76
(1,1689)	1:92:A:LEU:HD13	1:93:A:ASN:H	20	0.76
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	20	0.76
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	20	0.76
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	20	0.76
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	20	0.76
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	20	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	20	0.76
(1,1311)	1:95:A:LEU:HD11	1:69:B:TRP:HH2	14	0.76
(1,1311)	1:95:A:LEU:HD12	1:69:B:TRP:HH2	14	0.76
(1,1311)	1:95:A:LEU:HD13	1:69:B:TRP:HH2	14	0.76
(1,1275)	1:23:B:VAL:H	1:24:B:SER:HA	11	0.76
(1,783)	1:22:A:ARG:HG3	1:23:A:VAL:H	9	0.76
(1,547)	1:70:B:GLY:H	1:68:B:ARG:HE	12	0.76
(1,546)	1:70:A:GLY:H	1:68:A:ARG:HE	12	0.76
(1,536)	1:32:B:ARG:H	1:30:B:THR:HB	13	0.76
(1,535)	1:32:A:ARG:H	1:30:A:THR:HB	13	0.76
(1,332)	1:62:B:THR:HG21	1:64:B:GLY:HA2	10	0.76
(1,332)	1:62:B:THR:HG22	1:64:B:GLY:HA2	10	0.76
(1,332)	1:62:B:THR:HG23	1:64:B:GLY:HA2	10	0.76
(1,70)	1:92:A:LEU:HD21	1:82:B:ARG:HA	14	0.76
(1,70)	1:92:A:LEU:HD22	1:82:B:ARG:HA	14	0.76
(1,70)	1:92:A:LEU:HD23	1:82:B:ARG:HA	14	0.76
(1,70)	1:92:A:LEU:HD21	1:82:B:ARG:HA	18	0.76
(1,70)	1:92:A:LEU:HD22	1:82:B:ARG:HA	18	0.76
(1,70)	1:92:A:LEU:HD23	1:82:B:ARG:HA	18	0.76
(1,16)	1:55:B:ARG:HB2	1:91:A:MET:HG2	8	0.76
(2,202)	1:44:A:LEU:HB2	1:76:A:LYS:HE3	1	0.75
(2,42)	1:44:B:LEU:HB2	1:76:B:LYS:HE3	1	0.75
(1,3410)	1:94:A:ILE:HA	1:97:A:ARG:HB2	8	0.75
(1,3340)	1:62:B:THR:HA	1:25:B:THR:HB	15	0.75
(1,3225)	1:95:A:LEU:HD21	1:96:A:ASN:HB2	16	0.75
(1,3225)	1:95:A:LEU:HD22	1:96:A:ASN:HB2	16	0.75
(1,3225)	1:95:A:LEU:HD23	1:96:A:ASN:HB2	16	0.75
(1,3198)	1:48:B:MET:HB2	1:47:B:PHE:HB2	9	0.75
(1,3197)	1:48:A:MET:HB2	1:47:A:PHE:HB2	9	0.75
(1,3161)	1:43:A:PRO:HD2	1:46:A:LEU:HD11	20	0.75
(1,3161)	1:43:A:PRO:HD2	1:46:A:LEU:HD12	20	0.75
(1,3161)	1:43:A:PRO:HD2	1:46:A:LEU:HD13	20	0.75
(1,3160)	1:43:B:PRO:HD2	1:46:B:LEU:HD11	20	0.75
(1,3160)	1:43:B:PRO:HD2	1:46:B:LEU:HD12	20	0.75
(1,3160)	1:43:B:PRO:HD2	1:46:B:LEU:HD13	20	0.75
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD11	12	0.75
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD12	12	0.75
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD13	12	0.75
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD11	12	0.75
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD12	12	0.75
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD13	12	0.75
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD11	12	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD12	12	0.75
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD13	12	0.75
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG21	4	0.75
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG22	4	0.75
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG23	4	0.75
(1,2534)	1:27:A:GLN:HA	1:27:A:GLN:HG2	3	0.75
(1,2533)	1:27:B:GLN:HA	1:27:B:GLN:HG2	3	0.75
(1,2418)	1:94:A:ILE:H	1:93:A:ASN:HB2	5	0.75
(1,2409)	1:25:B:THR:H	1:24:B:SER:HA	1	0.75
(1,2408)	1:25:A:THR:H	1:24:A:SER:HA	1	0.75
(1,2041)	1:71:B:THR:HG21	1:43:B:PRO:HD2	5	0.75
(1,2041)	1:71:B:THR:HG22	1:43:B:PRO:HD2	5	0.75
(1,2041)	1:71:B:THR:HG23	1:43:B:PRO:HD2	5	0.75
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD11	10	0.75
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD12	10	0.75
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD13	10	0.75
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD11	10	0.75
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD12	10	0.75
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD13	10	0.75
(1,1694)	1:93:A:ASN:HB2	1:94:A:ILE:HA	8	0.75
(1,1693)	1:93:B:ASN:HB2	1:94:B:ILE:HA	8	0.75
(1,1690)	1:92:B:LEU:HD11	1:93:B:ASN:H	6	0.75
(1,1690)	1:92:B:LEU:HD12	1:93:B:ASN:H	6	0.75
(1,1690)	1:92:B:LEU:HD13	1:93:B:ASN:H	6	0.75
(1,1690)	1:92:B:LEU:HD11	1:93:B:ASN:H	13	0.75
(1,1690)	1:92:B:LEU:HD12	1:93:B:ASN:H	13	0.75
(1,1690)	1:92:B:LEU:HD13	1:93:B:ASN:H	13	0.75
(1,1689)	1:92:A:LEU:HD11	1:93:A:ASN:H	6	0.75
(1,1689)	1:92:A:LEU:HD12	1:93:A:ASN:H	6	0.75
(1,1689)	1:92:A:LEU:HD13	1:93:A:ASN:H	6	0.75
(1,1689)	1:92:A:LEU:HD11	1:93:A:ASN:H	13	0.75
(1,1689)	1:92:A:LEU:HD12	1:93:A:ASN:H	13	0.75
(1,1689)	1:92:A:LEU:HD13	1:93:A:ASN:H	13	0.75
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD21	9	0.75
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD22	9	0.75
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD23	9	0.75
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD21	9	0.75
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD22	9	0.75
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD23	9	0.75
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	10	0.75
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	10	0.75
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	10	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	10	0.75
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	10	0.75
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	10	0.75
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	12	0.75
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	12	0.75
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	12	0.75
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	12	0.75
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	12	0.75
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	12	0.75
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	10	0.75
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	10	0.75
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	10	0.75
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	10	0.75
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	10	0.75
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	10	0.75
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	12	0.75
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	12	0.75
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	12	0.75
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	12	0.75
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	12	0.75
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	12	0.75
(1,773)	1:30:A:THR:HG21	1:27:A:GLN:HA	14	0.75
(1,773)	1:30:A:THR:HG22	1:27:A:GLN:HA	14	0.75
(1,773)	1:30:A:THR:HG23	1:27:A:GLN:HA	14	0.75
(1,754)	1:96:A:ASN:HD22	1:97:A:ARG:HA	16	0.75
(1,753)	1:96:B:ASN:HD22	1:97:B:ARG:HA	16	0.75
(1,496)	1:26:A:VAL:HG21	1:28:A:GLN:H	2	0.75
(1,496)	1:26:A:VAL:HG22	1:28:A:GLN:H	2	0.75
(1,496)	1:26:A:VAL:HG23	1:28:A:GLN:H	2	0.75
(1,481)	1:93:B:ASN:HD21	1:92:B:LEU:H	10	0.75
(1,468)	1:61:A:PRO:HA	1:65:A:ILE:HD11	17	0.75
(1,468)	1:61:A:PRO:HA	1:65:A:ILE:HD12	17	0.75
(1,468)	1:61:A:PRO:HA	1:65:A:ILE:HD13	17	0.75
(1,467)	1:61:B:PRO:HA	1:65:B:ILE:HD11	17	0.75
(1,467)	1:61:B:PRO:HA	1:65:B:ILE:HD12	17	0.75
(1,467)	1:61:B:PRO:HA	1:65:B:ILE:HD13	17	0.75
(1,373)	1:56:B:PHE:HD1	1:49:A:ALA:HA	15	0.75
(1,373)	1:56:B:PHE:HD2	1:49:A:ALA:HA	15	0.75
(1,341)	1:75:A:SER:H	1:75:A:SER:HB2	6	0.75
(1,333)	1:62:A:THR:HG21	1:64:A:GLY:HA2	10	0.75
(1,333)	1:62:A:THR:HG22	1:64:A:GLY:HA2	10	0.75
(1,333)	1:62:A:THR:HG23	1:64:A:GLY:HA2	10	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,156)	1:78:B:ILE:HG21	1:96:A:ASN:HD22	4	0.75
(1,156)	1:78:B:ILE:HG22	1:96:A:ASN:HD22	4	0.75
(1,156)	1:78:B:ILE:HG23	1:96:A:ASN:HD22	4	0.75
(1,70)	1:92:A:LEU:HD21	1:82:B:ARG:HA	19	0.75
(1,70)	1:92:A:LEU:HD22	1:82:B:ARG:HA	19	0.75
(1,70)	1:92:A:LEU:HD23	1:82:B:ARG:HA	19	0.75
(2,110)	1:31:A:LYS:HE2	1:31:A:LYS:HB3	4	0.74
(1,3409)	1:94:B:ILE:HA	1:97:B:ARG:HB2	8	0.74
(1,3248)	1:26:A:VAL:HG21	1:27:A:GLN:HG3	3	0.74
(1,3248)	1:26:A:VAL:HG22	1:27:A:GLN:HG3	3	0.74
(1,3248)	1:26:A:VAL:HG23	1:27:A:GLN:HG3	3	0.74
(1,3248)	1:26:A:VAL:HG21	1:27:A:GLN:HG3	8	0.74
(1,3248)	1:26:A:VAL:HG22	1:27:A:GLN:HG3	8	0.74
(1,3248)	1:26:A:VAL:HG23	1:27:A:GLN:HG3	8	0.74
(1,2947)	1:84:B:PHE:HD1	1:81:B:LEU:HD21	5	0.74
(1,2947)	1:84:B:PHE:HD1	1:81:B:LEU:HD22	5	0.74
(1,2947)	1:84:B:PHE:HD1	1:81:B:LEU:HD23	5	0.74
(1,2947)	1:84:B:PHE:HD2	1:81:B:LEU:HD21	5	0.74
(1,2947)	1:84:B:PHE:HD2	1:81:B:LEU:HD22	5	0.74
(1,2947)	1:84:B:PHE:HD2	1:81:B:LEU:HD23	5	0.74
(1,2946)	1:84:A:PHE:HD1	1:81:A:LEU:HD21	5	0.74
(1,2946)	1:84:A:PHE:HD1	1:81:A:LEU:HD22	5	0.74
(1,2946)	1:84:A:PHE:HD1	1:81:A:LEU:HD23	5	0.74
(1,2946)	1:84:A:PHE:HD2	1:81:A:LEU:HD21	5	0.74
(1,2946)	1:84:A:PHE:HD2	1:81:A:LEU:HD22	5	0.74
(1,2946)	1:84:A:PHE:HD2	1:81:A:LEU:HD23	5	0.74
(1,2683)	1:26:B:VAL:HG11	1:22:B:ARG:HG2	8	0.74
(1,2683)	1:26:B:VAL:HG12	1:22:B:ARG:HG2	8	0.74
(1,2683)	1:26:B:VAL:HG13	1:22:B:ARG:HG2	8	0.74
(1,2644)	1:78:B:ILE:HD11	1:96:A:ASN:HD21	15	0.74
(1,2644)	1:78:B:ILE:HD12	1:96:A:ASN:HD21	15	0.74
(1,2644)	1:78:B:ILE:HD13	1:96:A:ASN:HD21	15	0.74
(1,2617)	1:96:B:ASN:H	1:98:B:ARG:HD3	9	0.74
(1,2616)	1:96:A:ASN:H	1:98:A:ARG:HD3	9	0.74
(1,2419)	1:94:B:ILE:H	1:93:B:ASN:HB2	8	0.74
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD21	18	0.74
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD22	18	0.74
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD23	18	0.74
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD21	6	0.74
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD22	6	0.74
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD23	6	0.74
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD21	18	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD22	18	0.74
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD23	18	0.74
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD11	11	0.74
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD12	11	0.74
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD13	11	0.74
(1,1694)	1:93:A:ASN:HB2	1:94:A:ILE:HA	6	0.74
(1,1690)	1:92:B:LEU:HD11	1:93:B:ASN:H	10	0.74
(1,1690)	1:92:B:LEU:HD12	1:93:B:ASN:H	10	0.74
(1,1690)	1:92:B:LEU:HD13	1:93:B:ASN:H	10	0.74
(1,1689)	1:92:A:LEU:HD11	1:93:A:ASN:H	10	0.74
(1,1689)	1:92:A:LEU:HD12	1:93:A:ASN:H	10	0.74
(1,1689)	1:92:A:LEU:HD13	1:93:A:ASN:H	10	0.74
(1,1311)	1:95:A:LEU:HD11	1:69:B:TRP:HH2	11	0.74
(1,1311)	1:95:A:LEU:HD12	1:69:B:TRP:HH2	11	0.74
(1,1311)	1:95:A:LEU:HD13	1:69:B:TRP:HH2	11	0.74
(1,1274)	1:23:A:VAL:H	1:24:A:SER:HA	12	0.74
(1,1155)	1:30:B:THR:HG21	1:28:B:GLN:H	8	0.74
(1,1155)	1:30:B:THR:HG22	1:28:B:GLN:H	8	0.74
(1,1155)	1:30:B:THR:HG23	1:28:B:GLN:H	8	0.74
(1,1154)	1:30:A:THR:HG21	1:28:A:GLN:H	8	0.74
(1,1154)	1:30:A:THR:HG22	1:28:A:GLN:H	8	0.74
(1,1154)	1:30:A:THR:HG23	1:28:A:GLN:H	8	0.74
(1,772)	1:30:B:THR:HG21	1:27:B:GLN:HA	14	0.74
(1,772)	1:30:B:THR:HG22	1:27:B:GLN:HA	14	0.74
(1,772)	1:30:B:THR:HG23	1:27:B:GLN:HA	14	0.74
(1,559)	1:65:A:ILE:HD11	1:51:A:VAL:HA	16	0.74
(1,559)	1:65:A:ILE:HD12	1:51:A:VAL:HA	16	0.74
(1,559)	1:65:A:ILE:HD13	1:51:A:VAL:HA	16	0.74
(1,558)	1:65:B:ILE:HD11	1:51:B:VAL:HA	16	0.74
(1,558)	1:65:B:ILE:HD12	1:51:B:VAL:HA	16	0.74
(1,558)	1:65:B:ILE:HD13	1:51:B:VAL:HA	16	0.74
(1,496)	1:26:A:VAL:HG21	1:28:A:GLN:H	6	0.74
(1,496)	1:26:A:VAL:HG22	1:28:A:GLN:H	6	0.74
(1,496)	1:26:A:VAL:HG23	1:28:A:GLN:H	6	0.74
(1,340)	1:75:B:SER:H	1:75:B:SER:HB2	6	0.74
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD21	16	0.74
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD22	16	0.74
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD23	16	0.74
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD21	16	0.74
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD22	16	0.74
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD23	16	0.74
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD1	4	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD2	4	0.74
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD1	4	0.74
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD2	4	0.74
(1,71)	1:92:B:LEU:HD21	1:82:A:ARG:HA	19	0.74
(1,71)	1:92:B:LEU:HD22	1:82:A:ARG:HA	19	0.74
(1,71)	1:92:B:LEU:HD23	1:82:A:ARG:HA	19	0.74
(2,348)	1:47:B:PHE:HD1	1:41:B:ARG:HD2	7	0.73
(2,348)	1:47:B:PHE:HD2	1:41:B:ARG:HD2	7	0.73
(2,279)	1:47:A:PHE:HD1	1:41:A:ARG:HD2	7	0.73
(2,279)	1:47:A:PHE:HD2	1:41:A:ARG:HD2	7	0.73
(2,124)	1:93:A:ASN:HD21	1:93:A:ASN:H	5	0.73
(2,124)	1:93:A:ASN:HD21	1:93:A:ASN:H	14	0.73
(2,26)	1:47:A:PHE:HD1	1:48:A:MET:HG3	6	0.73
(2,26)	1:47:A:PHE:HD2	1:48:A:MET:HG3	6	0.73
(2,25)	1:47:B:PHE:HD1	1:48:B:MET:HG3	6	0.73
(2,25)	1:47:B:PHE:HD2	1:48:B:MET:HG3	6	0.73
(1,3225)	1:95:A:LEU:HD21	1:96:A:ASN:HB2	5	0.73
(1,3225)	1:95:A:LEU:HD22	1:96:A:ASN:HB2	5	0.73
(1,3225)	1:95:A:LEU:HD23	1:96:A:ASN:HB2	5	0.73
(1,3224)	1:95:B:LEU:HD21	1:96:B:ASN:HB2	5	0.73
(1,3224)	1:95:B:LEU:HD22	1:96:B:ASN:HB2	5	0.73
(1,3224)	1:95:B:LEU:HD23	1:96:B:ASN:HB2	5	0.73
(1,3213)	1:31:B:LYS:HE2	1:31:B:LYS:HB3	4	0.73
(1,3198)	1:48:B:MET:HB2	1:47:B:PHE:HB2	7	0.73
(1,3197)	1:48:A:MET:HB2	1:47:A:PHE:HB2	7	0.73
(1,3161)	1:43:A:PRO:HD2	1:46:A:LEU:HD11	6	0.73
(1,3161)	1:43:A:PRO:HD2	1:46:A:LEU:HD12	6	0.73
(1,3161)	1:43:A:PRO:HD2	1:46:A:LEU:HD13	6	0.73
(1,3160)	1:43:B:PRO:HD2	1:46:B:LEU:HD11	6	0.73
(1,3160)	1:43:B:PRO:HD2	1:46:B:LEU:HD12	6	0.73
(1,3160)	1:43:B:PRO:HD2	1:46:B:LEU:HD13	6	0.73
(1,3009)	1:23:A:VAL:HB	1:22:A:ARG:HB2	3	0.73
(1,2826)	1:51:A:VAL:HG21	1:55:A:ARG:HD3	18	0.73
(1,2826)	1:51:A:VAL:HG22	1:55:A:ARG:HD3	18	0.73
(1,2826)	1:51:A:VAL:HG23	1:55:A:ARG:HD3	18	0.73
(1,2825)	1:51:B:VAL:HG21	1:55:B:ARG:HD3	18	0.73
(1,2825)	1:51:B:VAL:HG22	1:55:B:ARG:HD3	18	0.73
(1,2825)	1:51:B:VAL:HG23	1:55:B:ARG:HD3	18	0.73
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB1	4	0.73
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB2	4	0.73
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB3	4	0.73
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB1	4	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB2	4	0.73
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB3	4	0.73
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB1	4	0.73
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB2	4	0.73
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB3	4	0.73
(1,2669)	1:88:B:ILE:HA	1:52:A:ALA:HA	9	0.73
(1,2632)	1:52:B:ALA:HA	1:55:B:ARG:HD2	16	0.73
(1,2631)	1:52:A:ALA:HA	1:55:A:ARG:HD2	16	0.73
(1,2418)	1:94:A:ILE:H	1:93:A:ASN:HB2	8	0.73
(1,2368)	1:54:B:LEU:HG	1:51:B:VAL:HA	7	0.73
(1,2367)	1:54:A:LEU:HG	1:51:A:VAL:HA	7	0.73
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD21	6	0.73
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD22	6	0.73
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD23	6	0.73
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD11	12	0.73
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD12	12	0.73
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD13	12	0.73
(1,1955)	1:98:A:ARG:HD2	1:74:B:LYS:HG2	2	0.73
(1,1828)	1:92:A:LEU:H	1:89:A:GLY:HA3	10	0.73
(1,1828)	1:92:A:LEU:H	1:89:A:GLY:HA3	18	0.73
(1,1694)	1:93:A:ASN:HB2	1:94:A:ILE:HA	19	0.73
(1,1693)	1:93:B:ASN:HB2	1:94:B:ILE:HA	6	0.73
(1,1693)	1:93:B:ASN:HB2	1:94:B:ILE:HA	19	0.73
(1,1593)	1:93:B:ASN:HD21	1:93:B:ASN:H	5	0.73
(1,1593)	1:93:B:ASN:HD21	1:93:B:ASN:H	14	0.73
(1,1358)	1:29:B:LEU:HG	1:28:B:GLN:HE21	13	0.73
(1,1357)	1:29:A:LEU:HG	1:28:A:GLN:HE21	13	0.73
(1,1275)	1:23:B:VAL:H	1:24:B:SER:HA	12	0.73
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD21	8	0.73
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD22	8	0.73
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD23	8	0.73
(1,773)	1:30:A:THR:HG21	1:27:A:GLN:HA	1	0.73
(1,773)	1:30:A:THR:HG22	1:27:A:GLN:HA	1	0.73
(1,773)	1:30:A:THR:HG23	1:27:A:GLN:HA	1	0.73
(1,772)	1:30:B:THR:HG21	1:27:B:GLN:HA	1	0.73
(1,772)	1:30:B:THR:HG22	1:27:B:GLN:HA	1	0.73
(1,772)	1:30:B:THR:HG23	1:27:B:GLN:HA	1	0.73
(1,772)	1:30:B:THR:HG21	1:27:B:GLN:HA	15	0.73
(1,772)	1:30:B:THR:HG22	1:27:B:GLN:HA	15	0.73
(1,772)	1:30:B:THR:HG23	1:27:B:GLN:HA	15	0.73
(1,158)	1:80:A:VAL:HG11	1:45:A:LYS:HG2	10	0.73
(1,158)	1:80:A:VAL:HG12	1:45:A:LYS:HG2	10	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,158)	1:80:A:VAL:HG13	1:45:A:LYS:HG2	10	0.73
(1,157)	1:78:A:ILE:HG21	1:96:B:ASN:HD22	4	0.73
(1,157)	1:78:A:ILE:HG22	1:96:B:ASN:HD22	4	0.73
(1,157)	1:78:A:ILE:HG23	1:96:B:ASN:HD22	4	0.73
(2,228)	1:93:B:ASN:HD21	1:89:B:GLY:HA2	1	0.72
(1,3410)	1:94:A:ILE:HA	1:97:A:ARG:HB2	15	0.72
(1,3409)	1:94:B:ILE:HA	1:97:B:ARG:HB2	15	0.72
(1,3288)	1:97:A:ARG:H	1:98:A:ARG:HD3	6	0.72
(1,3225)	1:95:A:LEU:HD21	1:96:A:ASN:HB2	14	0.72
(1,3225)	1:95:A:LEU:HD22	1:96:A:ASN:HB2	14	0.72
(1,3225)	1:95:A:LEU:HD23	1:96:A:ASN:HB2	14	0.72
(1,3224)	1:95:B:LEU:HD21	1:96:B:ASN:HB2	14	0.72
(1,3224)	1:95:B:LEU:HD22	1:96:B:ASN:HB2	14	0.72
(1,3224)	1:95:B:LEU:HD23	1:96:B:ASN:HB2	14	0.72
(1,3198)	1:48:B:MET:HB2	1:47:B:PHE:HB2	3	0.72
(1,3197)	1:48:A:MET:HB2	1:47:A:PHE:HB2	3	0.72
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG21	20	0.72
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG22	20	0.72
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG23	20	0.72
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG21	20	0.72
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG22	20	0.72
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG23	20	0.72
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG21	20	0.72
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG22	20	0.72
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG23	20	0.72
(1,2534)	1:27:A:GLN:HA	1:27:A:GLN:HG2	18	0.72
(1,2533)	1:27:B:GLN:HA	1:27:B:GLN:HG2	18	0.72
(1,2382)	1:81:A:LEU:HA	1:84:A:PHE:HD1	16	0.72
(1,2382)	1:81:A:LEU:HA	1:84:A:PHE:HD2	16	0.72
(1,2381)	1:81:B:LEU:HA	1:84:B:PHE:HD1	16	0.72
(1,2381)	1:81:B:LEU:HA	1:84:B:PHE:HD2	16	0.72
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD11	3	0.72
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD12	3	0.72
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD13	3	0.72
(1,1828)	1:92:A:LEU:H	1:89:A:GLY:HA3	6	0.72
(1,1828)	1:92:A:LEU:H	1:89:A:GLY:HA3	9	0.72
(1,1274)	1:23:A:VAL:H	1:24:A:SER:HA	10	0.72
(1,1155)	1:30:B:THR:HG21	1:28:B:GLN:H	9	0.72
(1,1155)	1:30:B:THR:HG22	1:28:B:GLN:H	9	0.72
(1,1155)	1:30:B:THR:HG23	1:28:B:GLN:H	9	0.72
(1,787)	1:57:A:LEU:HD21	1:49:B:ALA:H	13	0.72
(1,787)	1:57:A:LEU:HD22	1:49:B:ALA:H	13	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:57:A:LEU:HD23	1:49:B:ALA:H	13	0.72
(1,773)	1:30:A:THR:HG21	1:27:A:GLN:HA	15	0.72
(1,773)	1:30:A:THR:HG22	1:27:A:GLN:HA	15	0.72
(1,773)	1:30:A:THR:HG23	1:27:A:GLN:HA	15	0.72
(1,754)	1:96:A:ASN:HD22	1:97:A:ARG:HA	11	0.72
(1,753)	1:96:B:ASN:HD22	1:97:B:ARG:HA	11	0.72
(1,717)	1:44:B:LEU:HD21	1:73:B:LYS:H	11	0.72
(1,717)	1:44:B:LEU:HD22	1:73:B:LYS:H	11	0.72
(1,717)	1:44:B:LEU:HD23	1:73:B:LYS:H	11	0.72
(1,716)	1:44:A:LEU:HD21	1:73:A:LYS:H	11	0.72
(1,716)	1:44:A:LEU:HD22	1:73:A:LYS:H	11	0.72
(1,716)	1:44:A:LEU:HD23	1:73:A:LYS:H	11	0.72
(1,468)	1:61:A:PRO:HA	1:65:A:ILE:HD11	10	0.72
(1,468)	1:61:A:PRO:HA	1:65:A:ILE:HD12	10	0.72
(1,468)	1:61:A:PRO:HA	1:65:A:ILE:HD13	10	0.72
(1,467)	1:61:B:PRO:HA	1:65:B:ILE:HD11	10	0.72
(1,467)	1:61:B:PRO:HA	1:65:B:ILE:HD12	10	0.72
(1,467)	1:61:B:PRO:HA	1:65:B:ILE:HD13	10	0.72
(1,321)	1:95:B:LEU:HA	1:98:B:ARG:HD2	7	0.72
(1,320)	1:95:A:LEU:HA	1:98:A:ARG:HD2	7	0.72
(1,132)	1:90:B:ARG:HA	1:93:B:ASN:HD21	2	0.72
(1,70)	1:92:A:LEU:HD21	1:82:B:ARG:HA	11	0.72
(1,70)	1:92:A:LEU:HD22	1:82:B:ARG:HA	11	0.72
(1,70)	1:92:A:LEU:HD23	1:82:B:ARG:HA	11	0.72
(1,3410)	1:94:A:ILE:HA	1:97:A:ARG:HB2	7	0.71
(1,3409)	1:94:B:ILE:HA	1:97:B:ARG:HB2	7	0.71
(1,3361)	1:51:B:VAL:HG11	1:65:B:ILE:HG13	4	0.71
(1,3361)	1:51:B:VAL:HG12	1:65:B:ILE:HG13	4	0.71
(1,3361)	1:51:B:VAL:HG13	1:65:B:ILE:HG13	4	0.71
(1,3360)	1:51:A:VAL:HG11	1:65:A:ILE:HG13	4	0.71
(1,3360)	1:51:A:VAL:HG12	1:65:A:ILE:HG13	4	0.71
(1,3360)	1:51:A:VAL:HG13	1:65:A:ILE:HG13	4	0.71
(1,3319)	1:71:A:THR:HG21	1:44:A:LEU:HA	12	0.71
(1,3319)	1:71:A:THR:HG22	1:44:A:LEU:HA	12	0.71
(1,3319)	1:71:A:THR:HG23	1:44:A:LEU:HA	12	0.71
(1,3318)	1:71:B:THR:HG21	1:44:B:LEU:HA	12	0.71
(1,3318)	1:71:B:THR:HG22	1:44:B:LEU:HA	12	0.71
(1,3318)	1:71:B:THR:HG23	1:44:B:LEU:HA	12	0.71
(1,3287)	1:97:B:ARG:H	1:98:B:ARG:HD3	6	0.71
(1,3225)	1:95:A:LEU:HD21	1:96:A:ASN:HB2	3	0.71
(1,3225)	1:95:A:LEU:HD22	1:96:A:ASN:HB2	3	0.71
(1,3225)	1:95:A:LEU:HD23	1:96:A:ASN:HB2	3	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG21	20	0.71
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG22	20	0.71
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG23	20	0.71
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG21	20	0.71
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG22	20	0.71
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG23	20	0.71
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG21	20	0.71
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG22	20	0.71
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG23	20	0.71
(1,3146)	1:51:B:VAL:HG21	1:69:B:TRP:HZ3	12	0.71
(1,3146)	1:51:B:VAL:HG22	1:69:B:TRP:HZ3	12	0.71
(1,3146)	1:51:B:VAL:HG23	1:69:B:TRP:HZ3	12	0.71
(1,3145)	1:51:A:VAL:HG21	1:69:A:TRP:HZ3	12	0.71
(1,3145)	1:51:A:VAL:HG22	1:69:A:TRP:HZ3	12	0.71
(1,3145)	1:51:A:VAL:HG23	1:69:A:TRP:HZ3	12	0.71
(1,2995)	1:44:A:LEU:HD11	1:71:A:THR:HA	18	0.71
(1,2995)	1:44:A:LEU:HD12	1:71:A:THR:HA	18	0.71
(1,2995)	1:44:A:LEU:HD13	1:71:A:THR:HA	18	0.71
(1,2994)	1:44:B:LEU:HD11	1:71:B:THR:HA	18	0.71
(1,2994)	1:44:B:LEU:HD12	1:71:B:THR:HA	18	0.71
(1,2994)	1:44:B:LEU:HD13	1:71:B:THR:HA	18	0.71
(1,2808)	1:23:B:VAL:HG11	1:24:B:SER:HA	11	0.71
(1,2808)	1:23:B:VAL:HG12	1:24:B:SER:HA	11	0.71
(1,2808)	1:23:B:VAL:HG13	1:24:B:SER:HA	11	0.71
(1,2779)	1:49:B:ALA:H	1:44:B:LEU:HD11	18	0.71
(1,2779)	1:49:B:ALA:H	1:44:B:LEU:HD12	18	0.71
(1,2779)	1:49:B:ALA:H	1:44:B:LEU:HD13	18	0.71
(1,2722)	1:65:B:ILE:HD11	1:25:B:THR:HA	9	0.71
(1,2722)	1:65:B:ILE:HD12	1:25:B:THR:HA	9	0.71
(1,2722)	1:65:B:ILE:HD13	1:25:B:THR:HA	9	0.71
(1,2684)	1:46:A:LEU:H	1:47:A:PHE:HB2	13	0.71
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD1	2	0.71
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD2	2	0.71
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD1	2	0.71
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD2	2	0.71
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD1	2	0.71
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD2	2	0.71
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD1	9	0.71
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD2	9	0.71
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD1	9	0.71
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD2	9	0.71
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD1	9	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD2	9	0.71
(1,1956)	1:98:B:ARG:HD2	1:74:A:LYS:HG2	10	0.71
(1,1828)	1:92:A:LEU:H	1:89:A:GLY:HA3	2	0.71
(1,1828)	1:92:A:LEU:H	1:89:A:GLY:HA3	16	0.71
(1,1637)	1:28:B:GLN:H	1:24:B:SER:H	12	0.71
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	2	0.71
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	2	0.71
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	2	0.71
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	2	0.71
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	2	0.71
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	2	0.71
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	14	0.71
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	14	0.71
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	14	0.71
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	14	0.71
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	14	0.71
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	14	0.71
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	2	0.71
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	2	0.71
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	2	0.71
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	2	0.71
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	2	0.71
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	2	0.71
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	14	0.71
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	14	0.71
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	14	0.71
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	14	0.71
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	14	0.71
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	14	0.71
(1,1482)	1:41:B:ARG:H	1:39:B:GLN:H	20	0.71
(1,1481)	1:41:A:ARG:H	1:39:A:GLN:H	20	0.71
(1,1422)	1:44:A:LEU:HD11	1:72:A:ILE:HA	10	0.71
(1,1422)	1:44:A:LEU:HD12	1:72:A:ILE:HA	10	0.71
(1,1422)	1:44:A:LEU:HD13	1:72:A:ILE:HA	10	0.71
(1,1155)	1:30:B:THR:HG21	1:28:B:GLN:H	2	0.71
(1,1155)	1:30:B:THR:HG22	1:28:B:GLN:H	2	0.71
(1,1155)	1:30:B:THR:HG23	1:28:B:GLN:H	2	0.71
(1,1155)	1:30:B:THR:HG21	1:28:B:GLN:H	12	0.71
(1,1155)	1:30:B:THR:HG22	1:28:B:GLN:H	12	0.71
(1,1155)	1:30:B:THR:HG23	1:28:B:GLN:H	12	0.71
(1,1154)	1:30:A:THR:HG21	1:28:A:GLN:H	6	0.71
(1,1154)	1:30:A:THR:HG22	1:28:A:GLN:H	6	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1154)	1:30:A:THR:HG23	1:28:A:GLN:H	6	0.71
(1,1154)	1:30:A:THR:HG21	1:28:A:GLN:H	9	0.71
(1,1154)	1:30:A:THR:HG22	1:28:A:GLN:H	9	0.71
(1,1154)	1:30:A:THR:HG23	1:28:A:GLN:H	9	0.71
(1,1154)	1:30:A:THR:HG21	1:28:A:GLN:H	12	0.71
(1,1154)	1:30:A:THR:HG22	1:28:A:GLN:H	12	0.71
(1,1154)	1:30:A:THR:HG23	1:28:A:GLN:H	12	0.71
(1,1111)	1:41:A:ARG:HA	1:42:A:GLY:H	10	0.71
(1,1110)	1:41:B:ARG:HA	1:42:B:GLY:H	10	0.71
(1,781)	1:22:B:ARG:H	1:23:B:VAL:HG11	17	0.71
(1,781)	1:22:B:ARG:H	1:23:B:VAL:HG12	17	0.71
(1,781)	1:22:B:ARG:H	1:23:B:VAL:HG13	17	0.71
(1,780)	1:22:A:ARG:H	1:23:A:VAL:HG11	17	0.71
(1,780)	1:22:A:ARG:H	1:23:A:VAL:HG12	17	0.71
(1,780)	1:22:A:ARG:H	1:23:A:VAL:HG13	17	0.71
(1,754)	1:96:A:ASN:HD22	1:97:A:ARG:HA	13	0.71
(1,551)	1:25:A:THR:H	1:29:A:LEU:H	17	0.71
(1,550)	1:25:B:THR:H	1:29:B:LEU:H	17	0.71
(1,194)	1:91:A:MET:HG3	1:87:A:GLU:HA	8	0.71
(1,178)	1:57:B:LEU:HD21	1:46:A:LEU:H	20	0.71
(1,178)	1:57:B:LEU:HD22	1:46:A:LEU:H	20	0.71
(1,178)	1:57:B:LEU:HD23	1:46:A:LEU:H	20	0.71
(1,156)	1:78:B:ILE:HG21	1:96:A:ASN:HD21	20	0.71
(1,156)	1:78:B:ILE:HG22	1:96:A:ASN:HD21	20	0.71
(1,156)	1:78:B:ILE:HG23	1:96:A:ASN:HD21	20	0.71
(1,131)	1:90:A:ARG:HA	1:93:A:ASN:HD21	2	0.71
(1,71)	1:92:B:LEU:HD21	1:82:A:ARG:HA	11	0.71
(1,71)	1:92:B:LEU:HD22	1:82:A:ARG:HA	11	0.71
(1,71)	1:92:B:LEU:HD23	1:82:A:ARG:HA	11	0.71
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG21	8	0.71
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG22	8	0.71
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG23	8	0.71
(1,3225)	1:95:A:LEU:HD21	1:96:A:ASN:HB2	2	0.7
(1,3225)	1:95:A:LEU:HD22	1:96:A:ASN:HB2	2	0.7
(1,3225)	1:95:A:LEU:HD23	1:96:A:ASN:HB2	2	0.7
(1,3225)	1:95:A:LEU:HD21	1:96:A:ASN:HB2	10	0.7
(1,3225)	1:95:A:LEU:HD22	1:96:A:ASN:HB2	10	0.7
(1,3225)	1:95:A:LEU:HD23	1:96:A:ASN:HB2	10	0.7
(1,3225)	1:95:A:LEU:HD21	1:96:A:ASN:HB2	13	0.7
(1,3225)	1:95:A:LEU:HD22	1:96:A:ASN:HB2	13	0.7
(1,3225)	1:95:A:LEU:HD23	1:96:A:ASN:HB2	13	0.7
(1,3224)	1:95:B:LEU:HD21	1:96:B:ASN:HB2	2	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3224)	1:95:B:LEU:HD22	1:96:B:ASN:HB2	2	0.7
(1,3224)	1:95:B:LEU:HD23	1:96:B:ASN:HB2	2	0.7
(1,3224)	1:95:B:LEU:HD21	1:96:B:ASN:HB2	3	0.7
(1,3224)	1:95:B:LEU:HD22	1:96:B:ASN:HB2	3	0.7
(1,3224)	1:95:B:LEU:HD23	1:96:B:ASN:HB2	3	0.7
(1,3224)	1:95:B:LEU:HD21	1:96:B:ASN:HB2	10	0.7
(1,3224)	1:95:B:LEU:HD22	1:96:B:ASN:HB2	10	0.7
(1,3224)	1:95:B:LEU:HD23	1:96:B:ASN:HB2	10	0.7
(1,3224)	1:95:B:LEU:HD21	1:96:B:ASN:HB2	13	0.7
(1,3224)	1:95:B:LEU:HD22	1:96:B:ASN:HB2	13	0.7
(1,3224)	1:95:B:LEU:HD23	1:96:B:ASN:HB2	13	0.7
(1,3153)	1:81:B:LEU:HD11	1:69:B:TRP:HZ3	19	0.7
(1,3153)	1:81:B:LEU:HD12	1:69:B:TRP:HZ3	19	0.7
(1,3153)	1:81:B:LEU:HD13	1:69:B:TRP:HZ3	19	0.7
(1,3152)	1:81:A:LEU:HD11	1:69:A:TRP:HZ3	19	0.7
(1,3152)	1:81:A:LEU:HD12	1:69:A:TRP:HZ3	19	0.7
(1,3152)	1:81:A:LEU:HD13	1:69:A:TRP:HZ3	19	0.7
(1,3065)	1:69:B:TRP:HE3	1:51:B:VAL:HB	8	0.7
(1,3064)	1:69:A:TRP:HE3	1:51:A:VAL:HB	8	0.7
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD11	9	0.7
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD12	9	0.7
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD13	9	0.7
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD11	9	0.7
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD12	9	0.7
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD13	9	0.7
(1,2780)	1:49:A:ALA:H	1:44:A:LEU:HD11	18	0.7
(1,2780)	1:49:A:ALA:H	1:44:A:LEU:HD12	18	0.7
(1,2780)	1:49:A:ALA:H	1:44:A:LEU:HD13	18	0.7
(1,2721)	1:65:A:ILE:HD11	1:25:A:THR:HA	9	0.7
(1,2721)	1:65:A:ILE:HD12	1:25:A:THR:HA	9	0.7
(1,2721)	1:65:A:ILE:HD13	1:25:A:THR:HA	9	0.7
(1,2685)	1:46:B:LEU:H	1:47:B:PHE:HB2	13	0.7
(1,2684)	1:46:A:LEU:H	1:47:A:PHE:HB2	8	0.7
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG21	9	0.7
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG22	9	0.7
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG23	9	0.7
(1,2317)	1:72:A:ILE:HD11	1:44:A:LEU:HG	2	0.7
(1,2317)	1:72:A:ILE:HD12	1:44:A:LEU:HG	2	0.7
(1,2317)	1:72:A:ILE:HD13	1:44:A:LEU:HG	2	0.7
(1,2316)	1:72:B:ILE:HD11	1:44:B:LEU:HG	2	0.7
(1,2316)	1:72:B:ILE:HD12	1:44:B:LEU:HG	2	0.7
(1,2316)	1:72:B:ILE:HD13	1:44:B:LEU:HG	2	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD1	16	0.7
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD2	16	0.7
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD1	16	0.7
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD2	16	0.7
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD1	16	0.7
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD2	16	0.7
(1,2084)	1:41:B:ARG:HB3	1:42:B:GLY:H	3	0.7
(1,2083)	1:41:A:ARG:HB3	1:42:A:GLY:H	10	0.7
(1,1828)	1:92:A:LEU:H	1:89:A:GLY:HA3	7	0.7
(1,1690)	1:92:B:LEU:HD11	1:93:B:ASN:H	17	0.7
(1,1690)	1:92:B:LEU:HD12	1:93:B:ASN:H	17	0.7
(1,1690)	1:92:B:LEU:HD13	1:93:B:ASN:H	17	0.7
(1,1689)	1:92:A:LEU:HD11	1:93:A:ASN:H	17	0.7
(1,1689)	1:92:A:LEU:HD12	1:93:A:ASN:H	17	0.7
(1,1689)	1:92:A:LEU:HD13	1:93:A:ASN:H	17	0.7
(1,1636)	1:28:A:GLN:H	1:24:A:SER:H	12	0.7
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	1	0.7
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	1	0.7
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	1	0.7
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	1	0.7
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	1	0.7
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	1	0.7
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	9	0.7
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	9	0.7
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	9	0.7
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	9	0.7
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	9	0.7
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	9	0.7
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	1	0.7
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	1	0.7
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	1	0.7
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	1	0.7
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	1	0.7
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	1	0.7
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	9	0.7
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	9	0.7
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	9	0.7
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	9	0.7
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	9	0.7
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	9	0.7
(1,1538)	1:51:B:VAL:HG21	1:65:B:ILE:HG21	16	0.7
(1,1538)	1:51:B:VAL:HG21	1:65:B:ILE:HG22	16	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1538)	1:51:B:VAL:HG21	1:65:B:ILE:HG23	16	0.7
(1,1538)	1:51:B:VAL:HG22	1:65:B:ILE:HG21	16	0.7
(1,1538)	1:51:B:VAL:HG22	1:65:B:ILE:HG22	16	0.7
(1,1538)	1:51:B:VAL:HG22	1:65:B:ILE:HG23	16	0.7
(1,1538)	1:51:B:VAL:HG23	1:65:B:ILE:HG21	16	0.7
(1,1538)	1:51:B:VAL:HG23	1:65:B:ILE:HG22	16	0.7
(1,1538)	1:51:B:VAL:HG23	1:65:B:ILE:HG23	16	0.7
(1,1537)	1:51:A:VAL:HG21	1:65:A:ILE:HG21	16	0.7
(1,1537)	1:51:A:VAL:HG21	1:65:A:ILE:HG22	16	0.7
(1,1537)	1:51:A:VAL:HG21	1:65:A:ILE:HG23	16	0.7
(1,1537)	1:51:A:VAL:HG22	1:65:A:ILE:HG21	16	0.7
(1,1537)	1:51:A:VAL:HG22	1:65:A:ILE:HG22	16	0.7
(1,1537)	1:51:A:VAL:HG22	1:65:A:ILE:HG23	16	0.7
(1,1537)	1:51:A:VAL:HG23	1:65:A:ILE:HG21	16	0.7
(1,1537)	1:51:A:VAL:HG23	1:65:A:ILE:HG22	16	0.7
(1,1537)	1:51:A:VAL:HG23	1:65:A:ILE:HG23	16	0.7
(1,1439)	1:57:A:LEU:HD11	1:59:A:ILE:H	11	0.7
(1,1439)	1:57:A:LEU:HD12	1:59:A:ILE:H	11	0.7
(1,1439)	1:57:A:LEU:HD13	1:59:A:ILE:H	11	0.7
(1,1439)	1:57:A:LEU:HD11	1:59:A:ILE:H	15	0.7
(1,1439)	1:57:A:LEU:HD12	1:59:A:ILE:H	15	0.7
(1,1439)	1:57:A:LEU:HD13	1:59:A:ILE:H	15	0.7
(1,1423)	1:44:B:LEU:HD11	1:72:B:ILE:HA	10	0.7
(1,1423)	1:44:B:LEU:HD12	1:72:B:ILE:HA	10	0.7
(1,1423)	1:44:B:LEU:HD13	1:72:B:ILE:HA	10	0.7
(1,1312)	1:95:B:LEU:HD11	1:69:A:TRP:HH2	20	0.7
(1,1312)	1:95:B:LEU:HD12	1:69:A:TRP:HH2	20	0.7
(1,1312)	1:95:B:LEU:HD13	1:69:A:TRP:HH2	20	0.7
(1,1275)	1:23:B:VAL:H	1:24:B:SER:HA	8	0.7
(1,1275)	1:23:B:VAL:H	1:24:B:SER:HA	10	0.7
(1,1274)	1:23:A:VAL:H	1:24:A:SER:HA	8	0.7
(1,1155)	1:30:B:THR:HG21	1:28:B:GLN:H	6	0.7
(1,1155)	1:30:B:THR:HG22	1:28:B:GLN:H	6	0.7
(1,1155)	1:30:B:THR:HG23	1:28:B:GLN:H	6	0.7
(1,1154)	1:30:A:THR:HG21	1:28:A:GLN:H	1	0.7
(1,1154)	1:30:A:THR:HG22	1:28:A:GLN:H	1	0.7
(1,1154)	1:30:A:THR:HG23	1:28:A:GLN:H	1	0.7
(1,1154)	1:30:A:THR:HG21	1:28:A:GLN:H	2	0.7
(1,1154)	1:30:A:THR:HG22	1:28:A:GLN:H	2	0.7
(1,1154)	1:30:A:THR:HG23	1:28:A:GLN:H	2	0.7
(1,916)	1:69:B:TRP:HZ2	1:95:A:LEU:HG	10	0.7
(1,753)	1:96:B:ASN:HD22	1:97:B:ARG:HA	13	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,535)	1:32:A:ARG:H	1:30:A:THR:HB	3	0.7
(1,417)	1:57:B:LEU:HD21	1:59:B:ILE:H	2	0.7
(1,417)	1:57:B:LEU:HD22	1:59:B:ILE:H	2	0.7
(1,417)	1:57:B:LEU:HD23	1:59:B:ILE:H	2	0.7
(1,194)	1:91:A:MET:HG3	1:87:A:GLU:HA	16	0.7
(1,164)	1:69:B:TRP:HH2	1:95:A:LEU:HG	10	0.7
(1,86)	1:69:B:TRP:HH2	1:91:A:MET:HA	10	0.7
(1,85)	1:69:A:TRP:HH2	1:91:B:MET:HA	10	0.7
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG21	8	0.7
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG22	8	0.7
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG23	8	0.7
(2,116)	1:59:B:ILE:HD11	1:60:B:PRO:HD2	13	0.69
(2,116)	1:59:B:ILE:HD12	1:60:B:PRO:HD2	13	0.69
(2,116)	1:59:B:ILE:HD13	1:60:B:PRO:HD2	13	0.69
(2,94)	1:61:B:PRO:HB2	1:66:B:LEU:HD11	10	0.69
(2,94)	1:61:B:PRO:HB2	1:66:B:LEU:HD12	10	0.69
(2,94)	1:61:B:PRO:HB2	1:66:B:LEU:HD13	10	0.69
(1,3406)	1:77:A:ALA:HB1	1:76:A:LYS:H	5	0.69
(1,3406)	1:77:A:ALA:HB2	1:76:A:LYS:H	5	0.69
(1,3406)	1:77:A:ALA:HB3	1:76:A:LYS:H	5	0.69
(1,3385)	1:77:B:ALA:HB1	1:48:B:MET:HG2	20	0.69
(1,3385)	1:77:B:ALA:HB2	1:48:B:MET:HG2	20	0.69
(1,3385)	1:77:B:ALA:HB3	1:48:B:MET:HG2	20	0.69
(1,3384)	1:77:A:ALA:HB1	1:48:A:MET:HG2	20	0.69
(1,3384)	1:77:A:ALA:HB2	1:48:A:MET:HG2	20	0.69
(1,3384)	1:77:A:ALA:HB3	1:48:A:MET:HG2	20	0.69
(1,3248)	1:26:A:VAL:HG21	1:27:A:GLN:HG3	18	0.69
(1,3248)	1:26:A:VAL:HG22	1:27:A:GLN:HG3	18	0.69
(1,3248)	1:26:A:VAL:HG23	1:27:A:GLN:HG3	18	0.69
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG21	7	0.69
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG22	7	0.69
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG23	7	0.69
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG21	7	0.69
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG22	7	0.69
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG23	7	0.69
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG21	7	0.69
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG22	7	0.69
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG23	7	0.69
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD11	9	0.69
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD12	9	0.69
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD13	9	0.69
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD11	9	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD12	9	0.69
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD13	9	0.69
(1,2995)	1:44:A:LEU:HD11	1:71:A:THR:HA	11	0.69
(1,2995)	1:44:A:LEU:HD12	1:71:A:THR:HA	11	0.69
(1,2995)	1:44:A:LEU:HD13	1:71:A:THR:HA	11	0.69
(1,2994)	1:44:B:LEU:HD11	1:71:B:THR:HA	11	0.69
(1,2994)	1:44:B:LEU:HD12	1:71:B:THR:HA	11	0.69
(1,2994)	1:44:B:LEU:HD13	1:71:B:THR:HA	11	0.69
(1,2685)	1:46:B:LEU:H	1:47:B:PHE:HB2	1	0.69
(1,2685)	1:46:B:LEU:H	1:47:B:PHE:HB2	8	0.69
(1,2640)	1:28:B:GLN:HE21	1:50:B:LEU:HG	4	0.69
(1,2554)	1:94:A:ILE:HG13	1:93:A:ASN:HB3	17	0.69
(1,2553)	1:94:B:ILE:HG13	1:93:B:ASN:HB3	17	0.69
(1,2386)	1:59:A:ILE:HD11	1:60:A:PRO:HD2	13	0.69
(1,2386)	1:59:A:ILE:HD12	1:60:A:PRO:HD2	13	0.69
(1,2386)	1:59:A:ILE:HD13	1:60:A:PRO:HD2	13	0.69
(1,2084)	1:41:B:ARG:HB3	1:42:B:GLY:H	10	0.69
(1,2083)	1:41:A:ARG:HB3	1:42:A:GLY:H	3	0.69
(1,1955)	1:98:A:ARG:HD2	1:74:B:LYS:HG2	13	0.69
(1,1828)	1:92:A:LEU:H	1:89:A:GLY:HA3	3	0.69
(1,1828)	1:92:A:LEU:H	1:89:A:GLY:HA3	4	0.69
(1,1693)	1:93:B:ASN:HB2	1:94:B:ILE:HA	1	0.69
(1,1312)	1:95:B:LEU:HD11	1:69:A:TRP:HH2	14	0.69
(1,1312)	1:95:B:LEU:HD12	1:69:A:TRP:HH2	14	0.69
(1,1312)	1:95:B:LEU:HD13	1:69:A:TRP:HH2	14	0.69
(1,1274)	1:23:A:VAL:H	1:24:A:SER:HA	15	0.69
(1,1155)	1:30:B:THR:HG21	1:28:B:GLN:H	1	0.69
(1,1155)	1:30:B:THR:HG22	1:28:B:GLN:H	1	0.69
(1,1155)	1:30:B:THR:HG23	1:28:B:GLN:H	1	0.69
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD11	12	0.69
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD12	12	0.69
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD13	12	0.69
(1,536)	1:32:B:ARG:H	1:30:B:THR:HB	3	0.69
(1,279)	1:41:B:ARG:H	1:38:B:LEU:HA	5	0.69
(1,278)	1:41:A:ARG:H	1:38:A:LEU:HA	5	0.69
(1,71)	1:92:B:LEU:HD21	1:82:A:ARG:HA	9	0.69
(1,71)	1:92:B:LEU:HD22	1:82:A:ARG:HA	9	0.69
(1,71)	1:92:B:LEU:HD23	1:82:A:ARG:HA	9	0.69
(1,71)	1:92:B:LEU:HD21	1:82:A:ARG:HA	18	0.69
(1,71)	1:92:B:LEU:HD22	1:82:A:ARG:HA	18	0.69
(1,71)	1:92:B:LEU:HD23	1:82:A:ARG:HA	18	0.69
(1,70)	1:92:A:LEU:HD21	1:82:B:ARG:HA	9	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,70)	1:92:A:LEU:HD22	1:82:B:ARG:HA	9	0.69
(1,70)	1:92:A:LEU:HD23	1:82:B:ARG:HA	9	0.69
(1,33)	1:57:A:LEU:HD11	1:45:B:LYS:HE2	4	0.69
(1,33)	1:57:A:LEU:HD12	1:45:B:LYS:HE2	4	0.69
(1,33)	1:57:A:LEU:HD13	1:45:B:LYS:HE2	4	0.69
(1,32)	1:57:B:LEU:HD11	1:45:A:LYS:HE2	9	0.69
(1,32)	1:57:B:LEU:HD12	1:45:A:LYS:HE2	9	0.69
(1,32)	1:57:B:LEU:HD13	1:45:A:LYS:HE2	9	0.69
(2,271)	1:41:A:ARG:HG2	1:47:A:PHE:HA	9	0.68
(1,3405)	1:77:B:ALA:HB1	1:76:B:LYS:H	5	0.68
(1,3405)	1:77:B:ALA:HB2	1:76:B:LYS:H	5	0.68
(1,3405)	1:77:B:ALA:HB3	1:76:B:LYS:H	5	0.68
(1,3309)	1:72:B:ILE:HG13	1:47:B:PHE:HB2	8	0.68
(1,3308)	1:72:A:ILE:HG13	1:47:A:PHE:HB2	8	0.68
(1,3257)	1:41:B:ARG:HG2	1:47:B:PHE:HA	9	0.68
(1,3198)	1:48:B:MET:HB2	1:47:B:PHE:HB2	20	0.68
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG21	3	0.68
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG22	3	0.68
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG23	3	0.68
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG21	3	0.68
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG22	3	0.68
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG23	3	0.68
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG21	3	0.68
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG22	3	0.68
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG23	3	0.68
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG21	7	0.68
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG22	7	0.68
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG23	7	0.68
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG21	7	0.68
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG22	7	0.68
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG23	7	0.68
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG21	7	0.68
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG22	7	0.68
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG23	7	0.68
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG21	3	0.68
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG22	3	0.68
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG23	3	0.68
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG21	3	0.68
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG22	3	0.68
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG23	3	0.68
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG21	3	0.68
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG22	3	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG23	3	0.68
(1,3098)	1:65:A:ILE:HD11	1:25:A:THR:HB	5	0.68
(1,3098)	1:65:A:ILE:HD12	1:25:A:THR:HB	5	0.68
(1,3098)	1:65:A:ILE:HD13	1:25:A:THR:HB	5	0.68
(1,3097)	1:65:B:ILE:HD11	1:25:B:THR:HB	5	0.68
(1,3097)	1:65:B:ILE:HD12	1:25:B:THR:HB	5	0.68
(1,3097)	1:65:B:ILE:HD13	1:25:B:THR:HB	5	0.68
(1,2822)	1:59:B:ILE:HD11	1:54:B:LEU:HA	10	0.68
(1,2822)	1:59:B:ILE:HD12	1:54:B:LEU:HA	10	0.68
(1,2822)	1:59:B:ILE:HD13	1:54:B:LEU:HA	10	0.68
(1,2821)	1:59:A:ILE:HD11	1:54:A:LEU:HA	10	0.68
(1,2821)	1:59:A:ILE:HD12	1:54:A:LEU:HA	10	0.68
(1,2821)	1:59:A:ILE:HD13	1:54:A:LEU:HA	10	0.68
(1,2808)	1:23:B:VAL:HG11	1:24:B:SER:HA	8	0.68
(1,2808)	1:23:B:VAL:HG12	1:24:B:SER:HA	8	0.68
(1,2808)	1:23:B:VAL:HG13	1:24:B:SER:HA	8	0.68
(1,2808)	1:23:B:VAL:HG11	1:24:B:SER:HA	10	0.68
(1,2808)	1:23:B:VAL:HG12	1:24:B:SER:HA	10	0.68
(1,2808)	1:23:B:VAL:HG13	1:24:B:SER:HA	10	0.68
(1,2684)	1:46:A:LEU:H	1:47:A:PHE:HB2	1	0.68
(1,2682)	1:26:A:VAL:HG11	1:22:A:ARG:HG3	2	0.68
(1,2682)	1:26:A:VAL:HG12	1:22:A:ARG:HG3	2	0.68
(1,2682)	1:26:A:VAL:HG13	1:22:A:ARG:HG3	2	0.68
(1,2673)	1:61:B:PRO:HG3	1:66:B:LEU:HG	9	0.68
(1,2672)	1:61:A:PRO:HG3	1:66:A:LEU:HG	9	0.68
(1,2644)	1:78:B:ILE:HD11	1:96:A:ASN:HD21	5	0.68
(1,2644)	1:78:B:ILE:HD12	1:96:A:ASN:HD21	5	0.68
(1,2644)	1:78:B:ILE:HD13	1:96:A:ASN:HD21	5	0.68
(1,2640)	1:28:B:GLN:HE21	1:50:B:LEU:HG	13	0.68
(1,2639)	1:28:A:GLN:HE21	1:50:A:LEU:HG	4	0.68
(1,2556)	1:94:B:ILE:HG21	1:74:A:LYS:HE2	11	0.68
(1,2556)	1:94:B:ILE:HG22	1:74:A:LYS:HE2	11	0.68
(1,2556)	1:94:B:ILE:HG23	1:74:A:LYS:HE2	11	0.68
(1,2554)	1:94:A:ILE:HG13	1:93:A:ASN:HB3	20	0.68
(1,2553)	1:94:B:ILE:HG13	1:93:B:ASN:HB3	20	0.68
(1,2418)	1:94:A:ILE:H	1:93:A:ASN:HB2	6	0.68
(1,2397)	1:90:A:ARG:H	1:90:A:ARG:HD3	17	0.68
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD11	17	0.68
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD12	17	0.68
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD13	17	0.68
(1,1869)	1:22:A:ARG:HG2	1:21:A:ASN:HA	3	0.68
(1,1828)	1:92:A:LEU:H	1:89:A:GLY:HA3	20	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1694)	1:93:A:ASN:HB2	1:94:A:ILE:HA	1	0.68
(1,1694)	1:93:A:ASN:HB2	1:94:A:ILE:HA	5	0.68
(1,1694)	1:93:A:ASN:HB2	1:94:A:ILE:HA	14	0.68
(1,1693)	1:93:B:ASN:HB2	1:94:B:ILE:HA	5	0.68
(1,1693)	1:93:B:ASN:HB2	1:94:B:ILE:HA	14	0.68
(1,1312)	1:95:B:LEU:HD11	1:69:A:TRP:HH2	2	0.68
(1,1312)	1:95:B:LEU:HD12	1:69:A:TRP:HH2	2	0.68
(1,1312)	1:95:B:LEU:HD13	1:69:A:TRP:HH2	2	0.68
(1,1312)	1:95:B:LEU:HD11	1:69:A:TRP:HH2	4	0.68
(1,1312)	1:95:B:LEU:HD12	1:69:A:TRP:HH2	4	0.68
(1,1312)	1:95:B:LEU:HD13	1:69:A:TRP:HH2	4	0.68
(1,1311)	1:95:A:LEU:HD11	1:69:B:TRP:HH2	20	0.68
(1,1311)	1:95:A:LEU:HD12	1:69:B:TRP:HH2	20	0.68
(1,1311)	1:95:A:LEU:HD13	1:69:B:TRP:HH2	20	0.68
(1,1288)	1:77:A:ALA:H	1:76:A:LYS:H	5	0.68
(1,1275)	1:23:B:VAL:H	1:24:B:SER:HA	15	0.68
(1,1078)	1:95:A:LEU:HA	1:74:B:LYS:HD2	20	0.68
(1,735)	1:38:B:LEU:HA	1:39:B:GLN:H	7	0.68
(1,734)	1:38:A:LEU:HA	1:39:A:GLN:H	7	0.68
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD11	12	0.68
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD12	12	0.68
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD13	12	0.68
(1,468)	1:61:A:PRO:HA	1:65:A:ILE:HD11	6	0.68
(1,468)	1:61:A:PRO:HA	1:65:A:ILE:HD12	6	0.68
(1,468)	1:61:A:PRO:HA	1:65:A:ILE:HD13	6	0.68
(1,467)	1:61:B:PRO:HA	1:65:B:ILE:HD11	6	0.68
(1,467)	1:61:B:PRO:HA	1:65:B:ILE:HD12	6	0.68
(1,467)	1:61:B:PRO:HA	1:65:B:ILE:HD13	6	0.68
(1,165)	1:69:A:TRP:HH2	1:95:B:LEU:HG	19	0.68
(1,132)	1:90:B:ARG:HA	1:93:B:ASN:HD21	19	0.68
(1,85)	1:69:A:TRP:HH2	1:91:B:MET:HA	11	0.68
(1,79)	1:88:A:ILE:HG12	1:52:B:ALA:HB1	8	0.68
(1,79)	1:88:A:ILE:HG12	1:52:B:ALA:HB2	8	0.68
(1,79)	1:88:A:ILE:HG12	1:52:B:ALA:HB3	8	0.68
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG21	15	0.68
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG22	15	0.68
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG23	15	0.68
(2,124)	1:93:A:ASN:HD21	1:93:A:ASN:H	8	0.67
(1,3251)	1:39:B:GLN:HB3	1:41:B:ARG:HG3	16	0.67
(1,3250)	1:39:A:GLN:HB3	1:41:A:ARG:HG3	16	0.67
(1,3230)	1:29:B:LEU:HD21	1:50:B:LEU:HG	6	0.67
(1,3230)	1:29:B:LEU:HD22	1:50:B:LEU:HG	6	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3230)	1:29:B:LEU:HD23	1:50:B:LEU:HG	6	0.67
(1,3230)	1:29:B:LEU:HD21	1:50:B:LEU:HG	20	0.67
(1,3230)	1:29:B:LEU:HD22	1:50:B:LEU:HG	20	0.67
(1,3230)	1:29:B:LEU:HD23	1:50:B:LEU:HG	20	0.67
(1,3229)	1:29:A:LEU:HD21	1:50:A:LEU:HG	6	0.67
(1,3229)	1:29:A:LEU:HD22	1:50:A:LEU:HG	6	0.67
(1,3229)	1:29:A:LEU:HD23	1:50:A:LEU:HG	6	0.67
(1,3229)	1:29:A:LEU:HD21	1:50:A:LEU:HG	20	0.67
(1,3229)	1:29:A:LEU:HD22	1:50:A:LEU:HG	20	0.67
(1,3229)	1:29:A:LEU:HD23	1:50:A:LEU:HG	20	0.67
(1,3202)	1:41:B:ARG:HB3	1:47:B:PHE:HB3	7	0.67
(1,3201)	1:41:A:ARG:HB3	1:47:A:PHE:HB3	7	0.67
(1,3197)	1:48:A:MET:HB2	1:47:A:PHE:HB2	20	0.67
(1,2882)	1:38:B:LEU:HD11	1:39:B:GLN:H	2	0.67
(1,2882)	1:38:B:LEU:HD12	1:39:B:GLN:H	2	0.67
(1,2882)	1:38:B:LEU:HD13	1:39:B:GLN:H	2	0.67
(1,2881)	1:38:A:LEU:HD11	1:39:A:GLN:H	2	0.67
(1,2881)	1:38:A:LEU:HD12	1:39:A:GLN:H	2	0.67
(1,2881)	1:38:A:LEU:HD13	1:39:A:GLN:H	2	0.67
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD11	4	0.67
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD12	4	0.67
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD13	4	0.67
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD11	4	0.67
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD12	4	0.67
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD13	4	0.67
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD11	4	0.67
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD12	4	0.67
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD13	4	0.67
(1,2639)	1:28:A:GLN:HE21	1:50:A:LEU:HG	13	0.67
(1,2556)	1:94:B:ILE:HG21	1:74:A:LYS:HE2	19	0.67
(1,2556)	1:94:B:ILE:HG22	1:74:A:LYS:HE2	19	0.67
(1,2556)	1:94:B:ILE:HG23	1:74:A:LYS:HE2	19	0.67
(1,2419)	1:94:B:ILE:H	1:93:B:ASN:HB2	6	0.67
(1,2396)	1:90:B:ARG:H	1:90:B:ARG:HD3	17	0.67
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD11	20	0.67
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD12	20	0.67
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD13	20	0.67
(1,1828)	1:92:A:LEU:H	1:89:A:GLY:HA3	11	0.67
(1,1626)	1:78:A:ILE:HG21	1:82:A:ARG:HD2	5	0.67
(1,1626)	1:78:A:ILE:HG22	1:82:A:ARG:HD2	5	0.67
(1,1626)	1:78:A:ILE:HG23	1:82:A:ARG:HD2	5	0.67
(1,1625)	1:78:B:ILE:HG21	1:82:B:ARG:HD2	5	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1625)	1:78:B:ILE:HG22	1:82:B:ARG:HD2	5	0.67
(1,1625)	1:78:B:ILE:HG23	1:82:B:ARG:HD2	5	0.67
(1,1593)	1:93:B:ASN:HD21	1:93:B:ASN:H	8	0.67
(1,1438)	1:57:B:LEU:HD21	1:59:B:ILE:H	5	0.67
(1,1438)	1:57:B:LEU:HD22	1:59:B:ILE:H	5	0.67
(1,1438)	1:57:B:LEU:HD23	1:59:B:ILE:H	5	0.67
(1,1287)	1:77:B:ALA:H	1:76:B:LYS:H	5	0.67
(1,1265)	1:22:A:ARG:HG2	1:22:A:ARG:HA	1	0.67
(1,1063)	1:27:A:GLN:H	1:29:A:LEU:H	17	0.67
(1,1062)	1:27:B:GLN:H	1:29:B:LEU:H	17	0.67
(1,788)	1:57:B:LEU:HD21	1:49:A:ALA:H	13	0.67
(1,788)	1:57:B:LEU:HD22	1:49:A:ALA:H	13	0.67
(1,788)	1:57:B:LEU:HD23	1:49:A:ALA:H	13	0.67
(1,682)	1:60:B:PRO:HG3	1:60:B:PRO:HA	10	0.67
(1,536)	1:32:B:ARG:H	1:30:B:THR:HB	16	0.67
(1,535)	1:32:A:ARG:H	1:30:A:THR:HB	16	0.67
(1,218)	1:65:A:ILE:HD11	1:54:A:LEU:HG	10	0.67
(1,218)	1:65:A:ILE:HD12	1:54:A:LEU:HG	10	0.67
(1,218)	1:65:A:ILE:HD13	1:54:A:LEU:HG	10	0.67
(1,217)	1:65:B:ILE:HD11	1:54:B:LEU:HG	10	0.67
(1,217)	1:65:B:ILE:HD12	1:54:B:LEU:HG	10	0.67
(1,217)	1:65:B:ILE:HD13	1:54:B:LEU:HG	10	0.67
(1,213)	1:83:A:GLY:HA2	1:87:A:GLU:HG2	13	0.67
(1,164)	1:69:B:TRP:HH2	1:95:A:LEU:HG	19	0.67
(1,155)	1:71:B:THR:HG21	1:42:B:GLY:HA2	2	0.67
(1,155)	1:71:B:THR:HG22	1:42:B:GLY:HA2	2	0.67
(1,155)	1:71:B:THR:HG23	1:42:B:GLY:HA2	2	0.67
(1,131)	1:90:A:ARG:HA	1:93:A:ASN:HD21	19	0.67
(1,80)	1:88:B:ILE:HG12	1:52:A:ALA:HB1	8	0.67
(1,80)	1:88:B:ILE:HG12	1:52:A:ALA:HB2	8	0.67
(1,80)	1:88:B:ILE:HG12	1:52:A:ALA:HB3	8	0.67
(1,45)	1:95:B:LEU:HA	1:74:A:LYS:HE3	14	0.67
(1,32)	1:57:B:LEU:HD11	1:45:A:LYS:HE2	4	0.67
(1,32)	1:57:B:LEU:HD12	1:45:A:LYS:HE2	4	0.67
(1,32)	1:57:B:LEU:HD13	1:45:A:LYS:HE2	4	0.67
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG21	15	0.67
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG22	15	0.67
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG23	15	0.67
(2,291)	1:62:A:THR:HB	1:24:A:SER:HB2	15	0.66
(1,3486)	1:57:B:LEU:HD11	1:45:A:LYS:H	4	0.66
(1,3486)	1:57:B:LEU:HD12	1:45:A:LYS:H	4	0.66
(1,3486)	1:57:B:LEU:HD13	1:45:A:LYS:H	4	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3225)	1:95:A:LEU:HD21	1:96:A:ASN:HB2	19	0.66
(1,3225)	1:95:A:LEU:HD22	1:96:A:ASN:HB2	19	0.66
(1,3225)	1:95:A:LEU:HD23	1:96:A:ASN:HB2	19	0.66
(1,3224)	1:95:B:LEU:HD21	1:96:B:ASN:HB2	19	0.66
(1,3224)	1:95:B:LEU:HD22	1:96:B:ASN:HB2	19	0.66
(1,3224)	1:95:B:LEU:HD23	1:96:B:ASN:HB2	19	0.66
(1,2869)	1:79:B:ASN:HB2	1:76:B:LYS:HA	4	0.66
(1,2684)	1:46:A:LEU:H	1:47:A:PHE:HB2	11	0.66
(1,2562)	1:27:A:GLN:HB3	1:23:A:VAL:HG11	17	0.66
(1,2562)	1:27:A:GLN:HB3	1:23:A:VAL:HG12	17	0.66
(1,2562)	1:27:A:GLN:HB3	1:23:A:VAL:HG13	17	0.66
(1,2534)	1:27:A:GLN:HA	1:27:A:GLN:HG2	19	0.66
(1,2533)	1:27:B:GLN:HA	1:27:B:GLN:HG2	8	0.66
(1,2533)	1:27:B:GLN:HA	1:27:B:GLN:HG2	19	0.66
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD11	9	0.66
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD12	9	0.66
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD13	9	0.66
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD11	9	0.66
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD12	9	0.66
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD13	9	0.66
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD11	10	0.66
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD12	10	0.66
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD13	10	0.66
(1,2491)	1:23:B:VAL:HG11	1:24:B:SER:H	1	0.66
(1,2491)	1:23:B:VAL:HG12	1:24:B:SER:H	1	0.66
(1,2491)	1:23:B:VAL:HG13	1:24:B:SER:H	1	0.66
(1,2145)	1:57:B:LEU:HD21	1:46:A:LEU:H	4	0.66
(1,2145)	1:57:B:LEU:HD22	1:46:A:LEU:H	4	0.66
(1,2145)	1:57:B:LEU:HD23	1:46:A:LEU:H	4	0.66
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD11	4	0.66
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD12	4	0.66
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD13	4	0.66
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD11	8	0.66
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD12	8	0.66
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD13	8	0.66
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD21	14	0.66
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD22	14	0.66
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD23	14	0.66
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD21	14	0.66
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD22	14	0.66
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD23	14	0.66
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD21	14	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD22	14	0.66
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD23	14	0.66
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD21	14	0.66
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD22	14	0.66
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD23	14	0.66
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD21	14	0.66
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD22	14	0.66
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD23	14	0.66
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD21	14	0.66
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD22	14	0.66
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD23	14	0.66
(1,1828)	1:92:A:LEU:H	1:89:A:GLY:HA3	13	0.66
(1,1337)	1:95:A:LEU:HD11	1:94:A:ILE:H	2	0.66
(1,1337)	1:95:A:LEU:HD12	1:94:A:ILE:H	2	0.66
(1,1337)	1:95:A:LEU:HD13	1:94:A:ILE:H	2	0.66
(1,1155)	1:30:B:THR:HG21	1:28:B:GLN:H	15	0.66
(1,1155)	1:30:B:THR:HG22	1:28:B:GLN:H	15	0.66
(1,1155)	1:30:B:THR:HG23	1:28:B:GLN:H	15	0.66
(1,1154)	1:30:A:THR:HG21	1:28:A:GLN:H	15	0.66
(1,1154)	1:30:A:THR:HG22	1:28:A:GLN:H	15	0.66
(1,1154)	1:30:A:THR:HG23	1:28:A:GLN:H	15	0.66
(1,1034)	1:57:B:LEU:HD11	1:45:A:LYS:H	4	0.66
(1,1034)	1:57:B:LEU:HD12	1:45:A:LYS:H	4	0.66
(1,1034)	1:57:B:LEU:HD13	1:45:A:LYS:H	4	0.66
(1,683)	1:60:A:PRO:HG3	1:60:A:PRO:HA	10	0.66
(1,661)	1:75:B:SER:H	1:78:B:ILE:HG12	13	0.66
(1,660)	1:75:A:SER:H	1:78:A:ILE:HG12	13	0.66
(1,212)	1:83:B:GLY:HA2	1:87:B:GLU:HG2	13	0.66
(1,157)	1:78:A:ILE:HG21	1:96:B:ASN:HD21	20	0.66
(1,157)	1:78:A:ILE:HG22	1:96:B:ASN:HD21	20	0.66
(1,157)	1:78:A:ILE:HG23	1:96:B:ASN:HD21	20	0.66
(1,154)	1:71:A:THR:HG21	1:42:A:GLY:HA2	2	0.66
(1,154)	1:71:A:THR:HG22	1:42:A:GLY:HA2	2	0.66
(1,154)	1:71:A:THR:HG23	1:42:A:GLY:HA2	2	0.66
(1,86)	1:69:B:TRP:HH2	1:91:A:MET:HA	11	0.66
(1,2)	1:57:B:LEU:HD11	1:45:A:LYS:H	4	0.66
(1,2)	1:57:B:LEU:HD12	1:45:A:LYS:H	4	0.66
(1,2)	1:57:B:LEU:HD13	1:45:A:LYS:H	4	0.66
(2,290)	1:62:B:THR:HB	1:24:B:SER:HB2	15	0.65
(2,228)	1:93:B:ASN:HD21	1:89:B:GLY:HA2	8	0.65
(2,116)	1:59:B:ILE:HD11	1:60:B:PRO:HD2	2	0.65
(2,116)	1:59:B:ILE:HD12	1:60:B:PRO:HD2	2	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,116)	1:59:B:ILE:HD13	1:60:B:PRO:HD2	2	0.65
(1,3339)	1:62:A:THR:HA	1:25:A:THR:HB	12	0.65
(1,3234)	1:22:B:ARG:HB3	1:23:B:VAL:HG11	3	0.65
(1,3234)	1:22:B:ARG:HB3	1:23:B:VAL:HG12	3	0.65
(1,3234)	1:22:B:ARG:HB3	1:23:B:VAL:HG13	3	0.65
(1,3225)	1:95:A:LEU:HD21	1:96:A:ASN:HB2	9	0.65
(1,3225)	1:95:A:LEU:HD22	1:96:A:ASN:HB2	9	0.65
(1,3225)	1:95:A:LEU:HD23	1:96:A:ASN:HB2	9	0.65
(1,3224)	1:95:B:LEU:HD21	1:96:B:ASN:HB2	9	0.65
(1,3224)	1:95:B:LEU:HD22	1:96:B:ASN:HB2	9	0.65
(1,3224)	1:95:B:LEU:HD23	1:96:B:ASN:HB2	9	0.65
(1,3198)	1:48:B:MET:HB2	1:47:B:PHE:HB2	17	0.65
(1,3197)	1:48:A:MET:HB2	1:47:A:PHE:HB2	17	0.65
(1,3183)	1:48:A:MET:HG2	1:81:A:LEU:HG	9	0.65
(1,3153)	1:81:B:LEU:HD11	1:69:B:TRP:HZ3	15	0.65
(1,3153)	1:81:B:LEU:HD12	1:69:B:TRP:HZ3	15	0.65
(1,3153)	1:81:B:LEU:HD13	1:69:B:TRP:HZ3	15	0.65
(1,3152)	1:81:A:LEU:HD11	1:69:A:TRP:HZ3	15	0.65
(1,3152)	1:81:A:LEU:HD12	1:69:A:TRP:HZ3	15	0.65
(1,3152)	1:81:A:LEU:HD13	1:69:A:TRP:HZ3	15	0.65
(1,2882)	1:38:B:LEU:HD11	1:39:B:GLN:H	15	0.65
(1,2882)	1:38:B:LEU:HD12	1:39:B:GLN:H	15	0.65
(1,2882)	1:38:B:LEU:HD13	1:39:B:GLN:H	15	0.65
(1,2881)	1:38:A:LEU:HD11	1:39:A:GLN:H	15	0.65
(1,2881)	1:38:A:LEU:HD12	1:39:A:GLN:H	15	0.65
(1,2881)	1:38:A:LEU:HD13	1:39:A:GLN:H	15	0.65
(1,2826)	1:51:A:VAL:HG21	1:55:A:ARG:HD3	3	0.65
(1,2826)	1:51:A:VAL:HG22	1:55:A:ARG:HD3	3	0.65
(1,2826)	1:51:A:VAL:HG23	1:55:A:ARG:HD3	3	0.65
(1,2825)	1:51:B:VAL:HG21	1:55:B:ARG:HD3	3	0.65
(1,2825)	1:51:B:VAL:HG22	1:55:B:ARG:HD3	3	0.65
(1,2825)	1:51:B:VAL:HG23	1:55:B:ARG:HD3	3	0.65
(1,2685)	1:46:B:LEU:H	1:47:B:PHE:HB2	11	0.65
(1,2685)	1:46:B:LEU:H	1:47:B:PHE:HB2	19	0.65
(1,2684)	1:46:A:LEU:H	1:47:A:PHE:HB2	19	0.65
(1,2668)	1:88:A:ILE:HA	1:52:B:ALA:HA	9	0.65
(1,2557)	1:94:A:ILE:HG21	1:74:B:LYS:HE2	11	0.65
(1,2557)	1:94:A:ILE:HG22	1:74:B:LYS:HE2	11	0.65
(1,2557)	1:94:A:ILE:HG23	1:74:B:LYS:HE2	11	0.65
(1,2557)	1:94:A:ILE:HG21	1:74:B:LYS:HE2	19	0.65
(1,2557)	1:94:A:ILE:HG22	1:74:B:LYS:HE2	19	0.65
(1,2557)	1:94:A:ILE:HG23	1:74:B:LYS:HE2	19	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2534)	1:27:A:GLN:HA	1:27:A:GLN:HG2	5	0.65
(1,2534)	1:27:A:GLN:HA	1:27:A:GLN:HG2	8	0.65
(1,2533)	1:27:B:GLN:HA	1:27:B:GLN:HG2	5	0.65
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD11	4	0.65
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD12	4	0.65
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD13	4	0.65
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD11	15	0.65
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD12	15	0.65
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD13	15	0.65
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD11	4	0.65
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD12	4	0.65
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD13	4	0.65
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD11	15	0.65
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD12	15	0.65
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD13	15	0.65
(1,2419)	1:94:B:ILE:H	1:93:B:ASN:HB2	1	0.65
(1,2418)	1:94:A:ILE:H	1:93:A:ASN:HB2	1	0.65
(1,2397)	1:90:A:ARG:H	1:90:A:ARG:HD3	15	0.65
(1,2256)	1:57:A:LEU:HD11	1:45:B:LYS:HE3	11	0.65
(1,2256)	1:57:A:LEU:HD12	1:45:B:LYS:HE3	11	0.65
(1,2256)	1:57:A:LEU:HD13	1:45:B:LYS:HE3	11	0.65
(1,2248)	1:74:A:LYS:HA	1:73:A:LYS:HA	13	0.65
(1,2247)	1:74:B:LYS:HA	1:73:B:LYS:HA	13	0.65
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD21	17	0.65
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD22	17	0.65
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD23	17	0.65
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD21	17	0.65
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD22	17	0.65
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD23	17	0.65
(1,2096)	1:23:B:VAL:HG11	1:24:B:SER:H	12	0.65
(1,2096)	1:23:B:VAL:HG12	1:24:B:SER:H	12	0.65
(1,2096)	1:23:B:VAL:HG13	1:24:B:SER:H	12	0.65
(1,2093)	1:23:B:VAL:HG21	1:24:B:SER:H	17	0.65
(1,2093)	1:23:B:VAL:HG22	1:24:B:SER:H	17	0.65
(1,2093)	1:23:B:VAL:HG23	1:24:B:SER:H	17	0.65
(1,1828)	1:92:A:LEU:H	1:89:A:GLY:HA3	15	0.65
(1,1410)	1:23:B:VAL:HG21	1:63:B:ALA:H	6	0.65
(1,1410)	1:23:B:VAL:HG22	1:63:B:ALA:H	6	0.65
(1,1410)	1:23:B:VAL:HG23	1:63:B:ALA:H	6	0.65
(1,1358)	1:29:B:LEU:HG	1:28:B:GLN:HE21	10	0.65
(1,1357)	1:29:A:LEU:HG	1:28:A:GLN:HE21	10	0.65
(1,1337)	1:95:A:LEU:HD11	1:94:A:ILE:H	16	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1337)	1:95:A:LEU:HD12	1:94:A:ILE:H	16	0.65
(1,1337)	1:95:A:LEU:HD13	1:94:A:ILE:H	16	0.65
(1,1336)	1:95:B:LEU:HD11	1:94:B:ILE:H	2	0.65
(1,1336)	1:95:B:LEU:HD12	1:94:B:ILE:H	2	0.65
(1,1336)	1:95:B:LEU:HD13	1:94:B:ILE:H	2	0.65
(1,1222)	1:45:B:LYS:H	1:43:B:PRO:HA	12	0.65
(1,1221)	1:45:A:LYS:H	1:43:A:PRO:HA	12	0.65
(1,1155)	1:30:B:THR:HG21	1:28:B:GLN:H	14	0.65
(1,1155)	1:30:B:THR:HG22	1:28:B:GLN:H	14	0.65
(1,1155)	1:30:B:THR:HG23	1:28:B:GLN:H	14	0.65
(1,1154)	1:30:A:THR:HG21	1:28:A:GLN:H	14	0.65
(1,1154)	1:30:A:THR:HG22	1:28:A:GLN:H	14	0.65
(1,1154)	1:30:A:THR:HG23	1:28:A:GLN:H	14	0.65
(1,1079)	1:95:B:LEU:HA	1:74:A:LYS:HD2	20	0.65
(1,917)	1:69:A:TRP:HZ2	1:95:B:LEU:HG	10	0.65
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD21	13	0.65
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD22	13	0.65
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD23	13	0.65
(1,773)	1:30:A:THR:HG21	1:27:A:GLN:HA	7	0.65
(1,773)	1:30:A:THR:HG22	1:27:A:GLN:HA	7	0.65
(1,773)	1:30:A:THR:HG23	1:27:A:GLN:HA	7	0.65
(1,772)	1:30:B:THR:HG21	1:27:B:GLN:HA	7	0.65
(1,772)	1:30:B:THR:HG22	1:27:B:GLN:HA	7	0.65
(1,772)	1:30:B:THR:HG23	1:27:B:GLN:HA	7	0.65
(1,706)	1:91:A:MET:HG3	1:91:A:MET:HA	12	0.65
(1,682)	1:60:B:PRO:HG3	1:60:B:PRO:HA	17	0.65
(1,374)	1:56:A:PHE:HD1	1:49:B:ALA:HA	19	0.65
(1,374)	1:56:A:PHE:HD2	1:49:B:ALA:HA	19	0.65
(1,373)	1:56:B:PHE:HD1	1:49:A:ALA:HA	11	0.65
(1,373)	1:56:B:PHE:HD2	1:49:A:ALA:HA	11	0.65
(1,373)	1:56:B:PHE:HD1	1:49:A:ALA:HA	19	0.65
(1,373)	1:56:B:PHE:HD2	1:49:A:ALA:HA	19	0.65
(1,165)	1:69:A:TRP:HH2	1:95:B:LEU:HG	10	0.65
(2,299)	1:48:B:MET:HG2	1:81:B:LEU:HG	9	0.64
(2,164)	1:81:B:LEU:H	1:84:B:PHE:HB2	16	0.64
(2,99)	1:41:B:ARG:HD3	1:41:B:ARG:HA	3	0.64
(2,80)	1:57:A:LEU:HB2	1:59:A:ILE:H	5	0.64
(1,3487)	1:57:A:LEU:HD11	1:45:B:LYS:H	4	0.64
(1,3487)	1:57:A:LEU:HD12	1:45:B:LYS:H	4	0.64
(1,3487)	1:57:A:LEU:HD13	1:45:B:LYS:H	4	0.64
(1,3340)	1:62:B:THR:HA	1:25:B:THR:HB	12	0.64
(1,3270)	1:44:A:LEU:H	1:47:A:PHE:HB2	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3225)	1:95:A:LEU:HD21	1:96:A:ASN:HB2	11	0.64
(1,3225)	1:95:A:LEU:HD22	1:96:A:ASN:HB2	11	0.64
(1,3225)	1:95:A:LEU:HD23	1:96:A:ASN:HB2	11	0.64
(1,3225)	1:95:A:LEU:HD21	1:96:A:ASN:HB2	12	0.64
(1,3225)	1:95:A:LEU:HD22	1:96:A:ASN:HB2	12	0.64
(1,3225)	1:95:A:LEU:HD23	1:96:A:ASN:HB2	12	0.64
(1,3225)	1:95:A:LEU:HD21	1:96:A:ASN:HB2	20	0.64
(1,3225)	1:95:A:LEU:HD22	1:96:A:ASN:HB2	20	0.64
(1,3225)	1:95:A:LEU:HD23	1:96:A:ASN:HB2	20	0.64
(1,3224)	1:95:B:LEU:HD21	1:96:B:ASN:HB2	11	0.64
(1,3224)	1:95:B:LEU:HD22	1:96:B:ASN:HB2	11	0.64
(1,3224)	1:95:B:LEU:HD23	1:96:B:ASN:HB2	11	0.64
(1,3224)	1:95:B:LEU:HD21	1:96:B:ASN:HB2	12	0.64
(1,3224)	1:95:B:LEU:HD22	1:96:B:ASN:HB2	12	0.64
(1,3224)	1:95:B:LEU:HD23	1:96:B:ASN:HB2	12	0.64
(1,3224)	1:95:B:LEU:HD21	1:96:B:ASN:HB2	20	0.64
(1,3224)	1:95:B:LEU:HD22	1:96:B:ASN:HB2	20	0.64
(1,3224)	1:95:B:LEU:HD23	1:96:B:ASN:HB2	20	0.64
(1,3093)	1:71:B:THR:HG21	1:47:B:PHE:HB3	2	0.64
(1,3093)	1:71:B:THR:HG22	1:47:B:PHE:HB3	2	0.64
(1,3093)	1:71:B:THR:HG23	1:47:B:PHE:HB3	2	0.64
(1,3092)	1:71:A:THR:HG21	1:47:A:PHE:HB3	2	0.64
(1,3092)	1:71:A:THR:HG22	1:47:A:PHE:HB3	2	0.64
(1,3092)	1:71:A:THR:HG23	1:47:A:PHE:HB3	2	0.64
(1,2808)	1:23:B:VAL:HG11	1:24:B:SER:HA	15	0.64
(1,2808)	1:23:B:VAL:HG12	1:24:B:SER:HA	15	0.64
(1,2808)	1:23:B:VAL:HG13	1:24:B:SER:HA	15	0.64
(1,2806)	1:23:B:VAL:HG21	1:24:B:SER:HA	17	0.64
(1,2806)	1:23:B:VAL:HG22	1:24:B:SER:HA	17	0.64
(1,2806)	1:23:B:VAL:HG23	1:24:B:SER:HA	17	0.64
(1,2780)	1:49:A:ALA:H	1:44:A:LEU:HD11	11	0.64
(1,2780)	1:49:A:ALA:H	1:44:A:LEU:HD12	11	0.64
(1,2780)	1:49:A:ALA:H	1:44:A:LEU:HD13	11	0.64
(1,2779)	1:49:B:ALA:H	1:44:B:LEU:HD11	11	0.64
(1,2779)	1:49:B:ALA:H	1:44:B:LEU:HD12	11	0.64
(1,2779)	1:49:B:ALA:H	1:44:B:LEU:HD13	11	0.64
(1,2684)	1:46:A:LEU:H	1:47:A:PHE:HB2	18	0.64
(1,2645)	1:78:A:ILE:HD11	1:96:B:ASN:HD21	5	0.64
(1,2645)	1:78:A:ILE:HD12	1:96:B:ASN:HD21	5	0.64
(1,2645)	1:78:A:ILE:HD13	1:96:B:ASN:HD21	5	0.64
(1,2632)	1:52:B:ALA:HA	1:55:B:ARG:HD2	2	0.64
(1,2631)	1:52:A:ALA:HA	1:55:A:ARG:HD2	2	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD11	9	0.64
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD12	9	0.64
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD13	9	0.64
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG21	7	0.64
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG22	7	0.64
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG23	7	0.64
(1,2523)	1:74:B:LYS:HG2	1:98:A:ARG:HG3	4	0.64
(1,2522)	1:74:A:LYS:HG2	1:98:B:ARG:HG3	12	0.64
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD11	5	0.64
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD12	5	0.64
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD13	5	0.64
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD11	7	0.64
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD12	7	0.64
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD13	7	0.64
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD11	18	0.64
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD12	18	0.64
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD13	18	0.64
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD11	5	0.64
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD12	5	0.64
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD13	5	0.64
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD11	18	0.64
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD12	18	0.64
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD13	18	0.64
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG11	15	0.64
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG12	15	0.64
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG13	15	0.64
(1,2386)	1:59:A:ILE:HD11	1:60:A:PRO:HD2	2	0.64
(1,2386)	1:59:A:ILE:HD12	1:60:A:PRO:HD2	2	0.64
(1,2386)	1:59:A:ILE:HD13	1:60:A:PRO:HD2	2	0.64
(1,2065)	1:62:A:THR:HG21	1:24:A:SER:HB2	15	0.64
(1,2065)	1:62:A:THR:HG22	1:24:A:SER:HB2	15	0.64
(1,2065)	1:62:A:THR:HG23	1:24:A:SER:HB2	15	0.64
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD11	19	0.64
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD12	19	0.64
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD13	19	0.64
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD21	11	0.64
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD22	11	0.64
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD23	11	0.64
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD21	11	0.64
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD22	11	0.64
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD23	11	0.64
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD21	11	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD22	11	0.64
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD23	11	0.64
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD21	11	0.64
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD22	11	0.64
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD23	11	0.64
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD21	11	0.64
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD22	11	0.64
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD23	11	0.64
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD21	11	0.64
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD22	11	0.64
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD23	11	0.64
(1,1698)	1:81:A:LEU:H	1:84:A:PHE:HB2	16	0.64
(1,1592)	1:41:A:ARG:HD3	1:41:A:ARG:HA	3	0.64
(1,1336)	1:95:B:LEU:HD11	1:94:B:ILE:H	16	0.64
(1,1336)	1:95:B:LEU:HD12	1:94:B:ILE:H	16	0.64
(1,1336)	1:95:B:LEU:HD13	1:94:B:ILE:H	16	0.64
(1,1311)	1:95:A:LEU:HD11	1:69:B:TRP:HH2	4	0.64
(1,1311)	1:95:A:LEU:HD12	1:69:B:TRP:HH2	4	0.64
(1,1311)	1:95:A:LEU:HD13	1:69:B:TRP:HH2	4	0.64
(1,1155)	1:30:B:THR:HG21	1:28:B:GLN:H	7	0.64
(1,1155)	1:30:B:THR:HG22	1:28:B:GLN:H	7	0.64
(1,1155)	1:30:B:THR:HG23	1:28:B:GLN:H	7	0.64
(1,1154)	1:30:A:THR:HG21	1:28:A:GLN:H	7	0.64
(1,1154)	1:30:A:THR:HG22	1:28:A:GLN:H	7	0.64
(1,1154)	1:30:A:THR:HG23	1:28:A:GLN:H	7	0.64
(1,1147)	1:25:B:THR:HG21	1:24:B:SER:HA	1	0.64
(1,1147)	1:25:B:THR:HG22	1:24:B:SER:HA	1	0.64
(1,1147)	1:25:B:THR:HG23	1:24:B:SER:HA	1	0.64
(1,1146)	1:25:A:THR:HG21	1:24:A:SER:HA	1	0.64
(1,1146)	1:25:A:THR:HG22	1:24:A:SER:HA	1	0.64
(1,1146)	1:25:A:THR:HG23	1:24:A:SER:HA	1	0.64
(1,1124)	1:57:B:LEU:HD21	1:46:A:LEU:HA	20	0.64
(1,1124)	1:57:B:LEU:HD22	1:46:A:LEU:HA	20	0.64
(1,1124)	1:57:B:LEU:HD23	1:46:A:LEU:HA	20	0.64
(1,1035)	1:57:A:LEU:HD11	1:45:B:LYS:H	4	0.64
(1,1035)	1:57:A:LEU:HD12	1:45:B:LYS:H	4	0.64
(1,1035)	1:57:A:LEU:HD13	1:45:B:LYS:H	4	0.64
(1,787)	1:57:A:LEU:HD21	1:49:B:ALA:H	12	0.64
(1,787)	1:57:A:LEU:HD22	1:49:B:ALA:H	12	0.64
(1,787)	1:57:A:LEU:HD23	1:49:B:ALA:H	12	0.64
(1,736)	1:57:B:LEU:HB2	1:59:B:ILE:H	5	0.64
(1,683)	1:60:A:PRO:HG3	1:60:A:PRO:HA	17	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,663)	1:62:A:THR:H	1:66:A:LEU:H	5	0.64
(1,630)	1:31:A:LYS:H	1:30:A:THR:HB	4	0.64
(1,629)	1:31:B:LYS:H	1:30:B:THR:HB	4	0.64
(1,374)	1:56:A:PHE:HD1	1:49:B:ALA:HA	11	0.64
(1,374)	1:56:A:PHE:HD2	1:49:B:ALA:HA	11	0.64
(1,71)	1:92:B:LEU:HD21	1:82:A:ARG:HA	7	0.64
(1,71)	1:92:B:LEU:HD22	1:82:A:ARG:HA	7	0.64
(1,71)	1:92:B:LEU:HD23	1:82:A:ARG:HA	7	0.64
(1,70)	1:92:A:LEU:HD21	1:82:B:ARG:HA	7	0.64
(1,70)	1:92:A:LEU:HD22	1:82:B:ARG:HA	7	0.64
(1,70)	1:92:A:LEU:HD23	1:82:B:ARG:HA	7	0.64
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG21	7	0.64
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG22	7	0.64
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG23	7	0.64
(1,1)	1:57:A:LEU:HD11	1:45:B:LYS:H	4	0.64
(1,1)	1:57:A:LEU:HD12	1:45:B:LYS:H	4	0.64
(1,1)	1:57:A:LEU:HD13	1:45:B:LYS:H	4	0.64
(2,116)	1:59:B:ILE:HD11	1:60:B:PRO:HD2	7	0.63
(2,116)	1:59:B:ILE:HD12	1:60:B:PRO:HD2	7	0.63
(2,116)	1:59:B:ILE:HD13	1:60:B:PRO:HD2	7	0.63
(2,99)	1:41:B:ARG:HD2	1:41:B:ARG:HA	2	0.63
(2,58)	1:62:B:THR:HG21	1:24:B:SER:HB2	15	0.63
(2,58)	1:62:B:THR:HG22	1:24:B:SER:HB2	15	0.63
(2,58)	1:62:B:THR:HG23	1:24:B:SER:HB2	15	0.63
(1,3385)	1:77:B:ALA:HB1	1:48:B:MET:HG2	1	0.63
(1,3385)	1:77:B:ALA:HB2	1:48:B:MET:HG2	1	0.63
(1,3385)	1:77:B:ALA:HB3	1:48:B:MET:HG2	1	0.63
(1,3384)	1:77:A:ALA:HB1	1:48:A:MET:HG2	1	0.63
(1,3384)	1:77:A:ALA:HB2	1:48:A:MET:HG2	1	0.63
(1,3384)	1:77:A:ALA:HB3	1:48:A:MET:HG2	1	0.63
(1,3361)	1:51:B:VAL:HG11	1:65:B:ILE:HG13	1	0.63
(1,3361)	1:51:B:VAL:HG12	1:65:B:ILE:HG13	1	0.63
(1,3361)	1:51:B:VAL:HG13	1:65:B:ILE:HG13	1	0.63
(1,3360)	1:51:A:VAL:HG11	1:65:A:ILE:HG13	1	0.63
(1,3360)	1:51:A:VAL:HG12	1:65:A:ILE:HG13	1	0.63
(1,3360)	1:51:A:VAL:HG13	1:65:A:ILE:HG13	1	0.63
(1,3359)	1:69:B:TRP:HZ2	1:91:A:MET:HA	19	0.63
(1,3269)	1:44:B:LEU:H	1:47:B:PHE:HB2	8	0.63
(1,3224)	1:95:B:LEU:HD21	1:96:B:ASN:HB2	18	0.63
(1,3224)	1:95:B:LEU:HD22	1:96:B:ASN:HB2	18	0.63
(1,3224)	1:95:B:LEU:HD23	1:96:B:ASN:HB2	18	0.63
(1,3204)	1:97:B:ARG:HA	1:97:B:ARG:HD2	17	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3203)	1:97:A:ARG:HA	1:97:A:ARG:HD2	17	0.63
(1,3198)	1:48:B:MET:HB2	1:47:B:PHE:HB2	6	0.63
(1,3197)	1:48:A:MET:HB2	1:47:A:PHE:HB2	6	0.63
(1,3171)	1:57:B:LEU:HD11	1:53:B:PHE:HB3	2	0.63
(1,3171)	1:57:B:LEU:HD12	1:53:B:PHE:HB3	2	0.63
(1,3171)	1:57:B:LEU:HD13	1:53:B:PHE:HB3	2	0.63
(1,3171)	1:57:B:LEU:HD11	1:53:B:PHE:HB3	6	0.63
(1,3171)	1:57:B:LEU:HD12	1:53:B:PHE:HB3	6	0.63
(1,3171)	1:57:B:LEU:HD13	1:53:B:PHE:HB3	6	0.63
(1,3098)	1:65:A:ILE:HD11	1:25:A:THR:HB	17	0.63
(1,3098)	1:65:A:ILE:HD12	1:25:A:THR:HB	17	0.63
(1,3098)	1:65:A:ILE:HD13	1:25:A:THR:HB	17	0.63
(1,2813)	1:45:B:LYS:HE3	1:45:B:LYS:HA	10	0.63
(1,2812)	1:45:A:LYS:HE3	1:45:A:LYS:HA	10	0.63
(1,2809)	1:23:A:VAL:HG21	1:24:A:SER:HA	1	0.63
(1,2809)	1:23:A:VAL:HG22	1:24:A:SER:HA	1	0.63
(1,2809)	1:23:A:VAL:HG23	1:24:A:SER:HA	1	0.63
(1,2807)	1:23:A:VAL:HG21	1:24:A:SER:HA	1	0.63
(1,2807)	1:23:A:VAL:HG22	1:24:A:SER:HA	1	0.63
(1,2807)	1:23:A:VAL:HG23	1:24:A:SER:HA	1	0.63
(1,2806)	1:23:B:VAL:HG21	1:24:B:SER:HA	1	0.63
(1,2806)	1:23:B:VAL:HG22	1:24:B:SER:HA	1	0.63
(1,2806)	1:23:B:VAL:HG23	1:24:B:SER:HA	1	0.63
(1,2703)	1:55:A:ARG:HB3	1:52:A:ALA:HA	13	0.63
(1,2702)	1:55:B:ARG:HB3	1:52:B:ALA:HA	13	0.63
(1,2685)	1:46:B:LEU:H	1:47:B:PHE:HB2	18	0.63
(1,2645)	1:78:A:ILE:HD11	1:96:B:ASN:HD21	8	0.63
(1,2645)	1:78:A:ILE:HD12	1:96:B:ASN:HD21	8	0.63
(1,2645)	1:78:A:ILE:HD13	1:96:B:ASN:HD21	8	0.63
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD11	6	0.63
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD12	6	0.63
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD13	6	0.63
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD11	6	0.63
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD12	6	0.63
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD13	6	0.63
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD11	7	0.63
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD12	7	0.63
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD13	7	0.63
(1,2396)	1:90:B:ARG:H	1:90:B:ARG:HD3	15	0.63
(1,2386)	1:59:A:ILE:HD11	1:60:A:PRO:HD2	7	0.63
(1,2386)	1:59:A:ILE:HD12	1:60:A:PRO:HD2	7	0.63
(1,2386)	1:59:A:ILE:HD13	1:60:A:PRO:HD2	7	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD21	15	0.63
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD22	15	0.63
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD23	15	0.63
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD11	6	0.63
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD12	6	0.63
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD13	6	0.63
(1,1592)	1:41:A:ARG:HD2	1:41:A:ARG:HA	2	0.63
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD21	17	0.63
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD22	17	0.63
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD23	17	0.63
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD21	17	0.63
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD22	17	0.63
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD23	17	0.63
(1,1336)	1:95:B:LEU:HD11	1:94:B:ILE:H	6	0.63
(1,1336)	1:95:B:LEU:HD12	1:94:B:ILE:H	6	0.63
(1,1336)	1:95:B:LEU:HD13	1:94:B:ILE:H	6	0.63
(1,1141)	1:97:B:ARG:H	1:98:B:ARG:HG2	5	0.63
(1,1140)	1:97:A:ARG:H	1:98:A:ARG:HG2	5	0.63
(1,1111)	1:41:A:ARG:HA	1:42:A:GLY:H	7	0.63
(1,1110)	1:41:B:ARG:HA	1:42:B:GLY:H	7	0.63
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD11	18	0.63
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD12	18	0.63
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD13	18	0.63
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD21	2	0.63
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD22	2	0.63
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD23	2	0.63
(1,706)	1:91:A:MET:HG3	1:91:A:MET:HA	11	0.63
(1,662)	1:62:B:THR:H	1:66:B:LEU:H	5	0.63
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD11	1	0.63
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD12	1	0.63
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD13	1	0.63
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD11	1	0.63
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD12	1	0.63
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD13	1	0.63
(1,457)	1:26:A:VAL:HA	1:22:A:ARG:HG2	11	0.63
(1,282)	1:100:A:ARG:H	1:99:A:ARG:H	2	0.63
(1,132)	1:90:B:ARG:HA	1:93:B:ASN:HD21	1	0.63
(1,71)	1:92:B:LEU:HD21	1:82:A:ARG:HA	3	0.63
(1,71)	1:92:B:LEU:HD22	1:82:A:ARG:HA	3	0.63
(1,71)	1:92:B:LEU:HD23	1:82:A:ARG:HA	3	0.63
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG21	7	0.63
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG22	7	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG23	7	0.63
(2,312)	1:21:B:ASN:HB2	1:23:B:VAL:H	17	0.62
(2,298)	1:61:B:PRO:HB2	1:65:B:ILE:HG21	17	0.62
(2,298)	1:61:B:PRO:HB2	1:65:B:ILE:HG22	17	0.62
(2,298)	1:61:B:PRO:HB2	1:65:B:ILE:HG23	17	0.62
(2,253)	1:48:A:MET:H	1:48:A:MET:HG3	4	0.62
(2,36)	1:63:A:ALA:HB1	1:67:A:LYS:HD3	19	0.62
(2,36)	1:63:A:ALA:HB2	1:67:A:LYS:HD3	19	0.62
(2,36)	1:63:A:ALA:HB3	1:67:A:LYS:HD3	19	0.62
(2,3)	1:67:B:LYS:H	1:67:B:LYS:HG3	18	0.62
(1,3359)	1:69:B:TRP:HZ2	1:91:A:MET:HA	1	0.62
(1,3358)	1:69:A:TRP:HZ2	1:91:B:MET:HA	1	0.62
(1,3358)	1:69:A:TRP:HZ2	1:91:B:MET:HA	19	0.62
(1,3225)	1:95:A:LEU:HD21	1:96:A:ASN:HB2	18	0.62
(1,3225)	1:95:A:LEU:HD22	1:96:A:ASN:HB2	18	0.62
(1,3225)	1:95:A:LEU:HD23	1:96:A:ASN:HB2	18	0.62
(1,3192)	1:66:B:LEU:HD11	1:60:B:PRO:HA	1	0.62
(1,3192)	1:66:B:LEU:HD12	1:60:B:PRO:HA	1	0.62
(1,3192)	1:66:B:LEU:HD13	1:60:B:PRO:HA	1	0.62
(1,3097)	1:65:B:ILE:HD11	1:25:B:THR:HB	17	0.62
(1,3097)	1:65:B:ILE:HD12	1:25:B:THR:HB	17	0.62
(1,3097)	1:65:B:ILE:HD13	1:25:B:THR:HB	17	0.62
(1,2977)	1:22:B:ARG:HG2	1:30:B:THR:HB	8	0.62
(1,2894)	1:61:A:PRO:HB2	1:65:A:ILE:HG21	17	0.62
(1,2894)	1:61:A:PRO:HB2	1:65:A:ILE:HG22	17	0.62
(1,2894)	1:61:A:PRO:HB2	1:65:A:ILE:HG23	17	0.62
(1,2769)	1:57:B:LEU:HD21	1:46:A:LEU:HD11	16	0.62
(1,2769)	1:57:B:LEU:HD21	1:46:A:LEU:HD12	16	0.62
(1,2769)	1:57:B:LEU:HD21	1:46:A:LEU:HD13	16	0.62
(1,2769)	1:57:B:LEU:HD22	1:46:A:LEU:HD11	16	0.62
(1,2769)	1:57:B:LEU:HD22	1:46:A:LEU:HD12	16	0.62
(1,2769)	1:57:B:LEU:HD22	1:46:A:LEU:HD13	16	0.62
(1,2769)	1:57:B:LEU:HD23	1:46:A:LEU:HD11	16	0.62
(1,2769)	1:57:B:LEU:HD23	1:46:A:LEU:HD12	16	0.62
(1,2769)	1:57:B:LEU:HD23	1:46:A:LEU:HD13	16	0.62
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB1	3	0.62
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB2	3	0.62
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB3	3	0.62
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB1	3	0.62
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB2	3	0.62
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB3	3	0.62
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB1	3	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB2	3	0.62
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB3	3	0.62
(1,2684)	1:46:A:LEU:H	1:47:A:PHE:HB2	3	0.62
(1,2675)	1:69:B:TRP:HH2	1:47:B:PHE:HE1	5	0.62
(1,2675)	1:69:B:TRP:HH2	1:47:B:PHE:HE2	5	0.62
(1,2674)	1:69:A:TRP:HH2	1:47:A:PHE:HE1	5	0.62
(1,2674)	1:69:A:TRP:HH2	1:47:A:PHE:HE2	5	0.62
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD11	11	0.62
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD12	11	0.62
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD13	11	0.62
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD11	11	0.62
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD12	11	0.62
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD13	11	0.62
(1,2367)	1:54:A:LEU:HG	1:51:A:VAL:HA	13	0.62
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD21	15	0.62
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD22	15	0.62
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD23	15	0.62
(1,2096)	1:23:B:VAL:HG11	1:24:B:SER:H	11	0.62
(1,2096)	1:23:B:VAL:HG12	1:24:B:SER:H	11	0.62
(1,2096)	1:23:B:VAL:HG13	1:24:B:SER:H	11	0.62
(1,2059)	1:57:B:LEU:HD21	1:46:A:LEU:H	16	0.62
(1,2059)	1:57:B:LEU:HD22	1:46:A:LEU:H	16	0.62
(1,2059)	1:57:B:LEU:HD23	1:46:A:LEU:H	16	0.62
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD21	16	0.62
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD22	16	0.62
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD23	16	0.62
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD21	16	0.62
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD22	16	0.62
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD23	16	0.62
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD21	16	0.62
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD22	16	0.62
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD23	16	0.62
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD21	16	0.62
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD22	16	0.62
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD23	16	0.62
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD21	16	0.62
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD22	16	0.62
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD23	16	0.62
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD21	16	0.62
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD22	16	0.62
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD23	16	0.62
(1,1961)	1:29:B:LEU:HD11	1:50:B:LEU:HD11	2	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1961)	1:29:B:LEU:HD11	1:50:B:LEU:HD12	2	0.62
(1,1961)	1:29:B:LEU:HD11	1:50:B:LEU:HD13	2	0.62
(1,1961)	1:29:B:LEU:HD12	1:50:B:LEU:HD11	2	0.62
(1,1961)	1:29:B:LEU:HD12	1:50:B:LEU:HD12	2	0.62
(1,1961)	1:29:B:LEU:HD12	1:50:B:LEU:HD13	2	0.62
(1,1961)	1:29:B:LEU:HD13	1:50:B:LEU:HD11	2	0.62
(1,1961)	1:29:B:LEU:HD13	1:50:B:LEU:HD12	2	0.62
(1,1961)	1:29:B:LEU:HD13	1:50:B:LEU:HD13	2	0.62
(1,1944)	1:98:B:ARG:H	1:98:B:ARG:HD3	11	0.62
(1,1837)	1:67:A:LYS:H	1:67:A:LYS:HG3	18	0.62
(1,1633)	1:48:B:MET:H	1:48:B:MET:HG3	4	0.62
(1,1439)	1:57:A:LEU:HD21	1:59:A:ILE:H	7	0.62
(1,1439)	1:57:A:LEU:HD22	1:59:A:ILE:H	7	0.62
(1,1439)	1:57:A:LEU:HD23	1:59:A:ILE:H	7	0.62
(1,1438)	1:57:B:LEU:HD21	1:59:B:ILE:H	7	0.62
(1,1438)	1:57:B:LEU:HD22	1:59:B:ILE:H	7	0.62
(1,1438)	1:57:B:LEU:HD23	1:59:B:ILE:H	7	0.62
(1,1337)	1:95:A:LEU:HD11	1:94:A:ILE:H	6	0.62
(1,1337)	1:95:A:LEU:HD12	1:94:A:ILE:H	6	0.62
(1,1337)	1:95:A:LEU:HD13	1:94:A:ILE:H	6	0.62
(1,1219)	1:21:A:ASN:HB2	1:23:A:VAL:H	17	0.62
(1,773)	1:30:A:THR:HG21	1:27:A:GLN:HA	19	0.62
(1,773)	1:30:A:THR:HG22	1:27:A:GLN:HA	19	0.62
(1,773)	1:30:A:THR:HG23	1:27:A:GLN:HA	19	0.62
(1,772)	1:30:B:THR:HG21	1:27:B:GLN:HA	19	0.62
(1,772)	1:30:B:THR:HG22	1:27:B:GLN:HA	19	0.62
(1,772)	1:30:B:THR:HG23	1:27:B:GLN:HA	19	0.62
(1,697)	1:26:A:VAL:HG21	1:64:A:GLY:H	16	0.62
(1,697)	1:26:A:VAL:HG22	1:64:A:GLY:H	16	0.62
(1,697)	1:26:A:VAL:HG23	1:64:A:GLY:H	16	0.62
(1,683)	1:60:A:PRO:HG3	1:60:A:PRO:HA	9	0.62
(1,682)	1:60:B:PRO:HG3	1:60:B:PRO:HA	3	0.62
(1,682)	1:60:B:PRO:HG3	1:60:B:PRO:HA	9	0.62
(1,321)	1:95:B:LEU:HA	1:98:B:ARG:HD2	14	0.62
(1,321)	1:95:B:LEU:HA	1:98:B:ARG:HD2	17	0.62
(1,320)	1:95:A:LEU:HA	1:98:A:ARG:HD2	17	0.62
(1,283)	1:100:B:ARG:H	1:99:B:ARG:H	2	0.62
(1,178)	1:57:B:LEU:HD21	1:46:A:LEU:H	1	0.62
(1,178)	1:57:B:LEU:HD22	1:46:A:LEU:H	1	0.62
(1,178)	1:57:B:LEU:HD23	1:46:A:LEU:H	1	0.62
(1,165)	1:69:A:TRP:HH2	1:95:B:LEU:HG	4	0.62
(1,165)	1:69:A:TRP:HH2	1:95:B:LEU:HG	18	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,164)	1:69:B:TRP:HH2	1:95:A:LEU:HG	15	0.62
(1,44)	1:95:A:LEU:HA	1:74:B:LYS:HE3	14	0.62
(2,253)	1:48:A:MET:H	1:48:A:MET:HG3	13	0.61
(2,253)	1:48:A:MET:H	1:48:A:MET:HG3	18	0.61
(2,103)	1:48:A:MET:HG2	1:51:A:VAL:HB	16	0.61
(2,102)	1:48:B:MET:HG2	1:51:B:VAL:HB	16	0.61
(2,69)	1:63:B:ALA:HB1	1:67:B:LYS:HD3	19	0.61
(2,69)	1:63:B:ALA:HB2	1:67:B:LYS:HD3	19	0.61
(2,69)	1:63:B:ALA:HB3	1:67:B:LYS:HD3	19	0.61
(1,3339)	1:62:A:THR:HA	1:25:A:THR:HB	6	0.61
(1,3279)	1:88:A:ILE:HG12	1:52:B:ALA:HA	20	0.61
(1,3248)	1:26:A:VAL:HG21	1:27:A:GLN:HG3	15	0.61
(1,3248)	1:26:A:VAL:HG22	1:27:A:GLN:HG3	15	0.61
(1,3248)	1:26:A:VAL:HG23	1:27:A:GLN:HG3	15	0.61
(1,3225)	1:95:A:LEU:HD21	1:96:A:ASN:HB2	17	0.61
(1,3225)	1:95:A:LEU:HD22	1:96:A:ASN:HB2	17	0.61
(1,3225)	1:95:A:LEU:HD23	1:96:A:ASN:HB2	17	0.61
(1,3224)	1:95:B:LEU:HD21	1:96:B:ASN:HB2	17	0.61
(1,3224)	1:95:B:LEU:HD22	1:96:B:ASN:HB2	17	0.61
(1,3224)	1:95:B:LEU:HD23	1:96:B:ASN:HB2	17	0.61
(1,3198)	1:48:B:MET:HB2	1:47:B:PHE:HB2	16	0.61
(1,3197)	1:48:A:MET:HB2	1:47:A:PHE:HB2	16	0.61
(1,3171)	1:57:B:LEU:HD11	1:53:B:PHE:HB3	3	0.61
(1,3171)	1:57:B:LEU:HD12	1:53:B:PHE:HB3	3	0.61
(1,3171)	1:57:B:LEU:HD13	1:53:B:PHE:HB3	3	0.61
(1,3146)	1:51:B:VAL:HG21	1:69:B:TRP:HZ3	20	0.61
(1,3146)	1:51:B:VAL:HG22	1:69:B:TRP:HZ3	20	0.61
(1,3146)	1:51:B:VAL:HG23	1:69:B:TRP:HZ3	20	0.61
(1,3145)	1:51:A:VAL:HG21	1:69:A:TRP:HZ3	20	0.61
(1,3145)	1:51:A:VAL:HG22	1:69:A:TRP:HZ3	20	0.61
(1,3145)	1:51:A:VAL:HG23	1:69:A:TRP:HZ3	20	0.61
(1,3065)	1:69:B:TRP:HE3	1:51:B:VAL:HB	1	0.61
(1,3064)	1:69:A:TRP:HE3	1:51:A:VAL:HB	1	0.61
(1,2690)	1:56:B:PHE:HD1	1:45:A:LYS:HE3	10	0.61
(1,2690)	1:56:B:PHE:HD2	1:45:A:LYS:HE3	10	0.61
(1,2689)	1:56:A:PHE:HD1	1:45:B:LYS:HE3	10	0.61
(1,2689)	1:56:A:PHE:HD2	1:45:B:LYS:HE3	10	0.61
(1,2685)	1:46:B:LEU:H	1:47:B:PHE:HB2	3	0.61
(1,2685)	1:46:B:LEU:H	1:47:B:PHE:HB2	20	0.61
(1,2684)	1:46:A:LEU:H	1:47:A:PHE:HB2	2	0.61
(1,2684)	1:46:A:LEU:H	1:47:A:PHE:HB2	20	0.61
(1,2554)	1:94:A:ILE:HG13	1:93:A:ASN:HB3	4	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2553)	1:94:B:ILE:HG13	1:93:B:ASN:HB3	4	0.61
(1,2368)	1:54:B:LEU:HG	1:51:B:VAL:HA	13	0.61
(1,2255)	1:57:B:LEU:HD11	1:45:A:LYS:HE3	11	0.61
(1,2255)	1:57:B:LEU:HD12	1:45:A:LYS:HE3	11	0.61
(1,2255)	1:57:B:LEU:HD13	1:45:A:LYS:HE3	11	0.61
(1,2096)	1:23:B:VAL:HG11	1:24:B:SER:H	10	0.61
(1,2096)	1:23:B:VAL:HG12	1:24:B:SER:H	10	0.61
(1,2096)	1:23:B:VAL:HG13	1:24:B:SER:H	10	0.61
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD11	7	0.61
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD12	7	0.61
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD13	7	0.61
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD11	10	0.61
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD12	10	0.61
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD13	10	0.61
(1,1960)	1:29:A:LEU:HD11	1:50:A:LEU:HD11	2	0.61
(1,1960)	1:29:A:LEU:HD11	1:50:A:LEU:HD12	2	0.61
(1,1960)	1:29:A:LEU:HD11	1:50:A:LEU:HD13	2	0.61
(1,1960)	1:29:A:LEU:HD12	1:50:A:LEU:HD11	2	0.61
(1,1960)	1:29:A:LEU:HD12	1:50:A:LEU:HD12	2	0.61
(1,1960)	1:29:A:LEU:HD12	1:50:A:LEU:HD13	2	0.61
(1,1960)	1:29:A:LEU:HD13	1:50:A:LEU:HD11	2	0.61
(1,1960)	1:29:A:LEU:HD13	1:50:A:LEU:HD12	2	0.61
(1,1960)	1:29:A:LEU:HD13	1:50:A:LEU:HD13	2	0.61
(1,1956)	1:98:B:ARG:HD2	1:74:A:LYS:HG2	13	0.61
(1,1945)	1:98:A:ARG:H	1:98:A:ARG:HD3	11	0.61
(1,1633)	1:48:B:MET:H	1:48:B:MET:HG3	13	0.61
(1,1633)	1:48:B:MET:H	1:48:B:MET:HG3	18	0.61
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD21	12	0.61
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD22	12	0.61
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD23	12	0.61
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD21	12	0.61
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD22	12	0.61
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD23	12	0.61
(1,1421)	1:95:B:LEU:HD11	1:74:A:LYS:HA	1	0.61
(1,1421)	1:95:B:LEU:HD12	1:74:A:LYS:HA	1	0.61
(1,1421)	1:95:B:LEU:HD13	1:74:A:LYS:HA	1	0.61
(1,1337)	1:95:A:LEU:HD11	1:94:A:ILE:H	3	0.61
(1,1337)	1:95:A:LEU:HD12	1:94:A:ILE:H	3	0.61
(1,1337)	1:95:A:LEU:HD13	1:94:A:ILE:H	3	0.61
(1,1337)	1:95:A:LEU:HD11	1:94:A:ILE:H	20	0.61
(1,1337)	1:95:A:LEU:HD12	1:94:A:ILE:H	20	0.61
(1,1337)	1:95:A:LEU:HD13	1:94:A:ILE:H	20	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1336)	1:95:B:LEU:HD11	1:94:B:ILE:H	3	0.61
(1,1336)	1:95:B:LEU:HD12	1:94:B:ILE:H	3	0.61
(1,1336)	1:95:B:LEU:HD13	1:94:B:ILE:H	3	0.61
(1,1336)	1:95:B:LEU:HD11	1:94:B:ILE:H	20	0.61
(1,1336)	1:95:B:LEU:HD12	1:94:B:ILE:H	20	0.61
(1,1336)	1:95:B:LEU:HD13	1:94:B:ILE:H	20	0.61
(1,1262)	1:42:A:GLY:HA2	1:43:A:PRO:HD3	4	0.61
(1,1124)	1:57:B:LEU:HD21	1:46:A:LEU:HA	12	0.61
(1,1124)	1:57:B:LEU:HD22	1:46:A:LEU:HA	12	0.61
(1,1124)	1:57:B:LEU:HD23	1:46:A:LEU:HA	12	0.61
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD11	10	0.61
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD12	10	0.61
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD13	10	0.61
(1,788)	1:57:B:LEU:HD21	1:49:A:ALA:H	12	0.61
(1,788)	1:57:B:LEU:HD22	1:49:A:ALA:H	12	0.61
(1,788)	1:57:B:LEU:HD23	1:49:A:ALA:H	12	0.61
(1,683)	1:60:A:PRO:HG3	1:60:A:PRO:HA	1	0.61
(1,683)	1:60:A:PRO:HG3	1:60:A:PRO:HA	3	0.61
(1,683)	1:60:A:PRO:HG3	1:60:A:PRO:HA	6	0.61
(1,682)	1:60:B:PRO:HG3	1:60:B:PRO:HA	1	0.61
(1,682)	1:60:B:PRO:HG3	1:60:B:PRO:HA	6	0.61
(1,407)	1:80:A:VAL:HG21	1:45:A:LYS:HA	8	0.61
(1,407)	1:80:A:VAL:HG22	1:45:A:LYS:HA	8	0.61
(1,407)	1:80:A:VAL:HG23	1:45:A:LYS:HA	8	0.61
(1,373)	1:56:B:PHE:HD1	1:49:A:ALA:HA	16	0.61
(1,373)	1:56:B:PHE:HD2	1:49:A:ALA:HA	16	0.61
(1,332)	1:62:B:THR:HG21	1:64:B:GLY:HA2	8	0.61
(1,332)	1:62:B:THR:HG22	1:64:B:GLY:HA2	8	0.61
(1,332)	1:62:B:THR:HG23	1:64:B:GLY:HA2	8	0.61
(1,320)	1:95:A:LEU:HA	1:98:A:ARG:HD2	14	0.61
(1,131)	1:90:A:ARG:HA	1:93:A:ASN:HD21	1	0.61
(1,71)	1:92:B:LEU:HD21	1:82:A:ARG:HA	17	0.61
(1,71)	1:92:B:LEU:HD22	1:82:A:ARG:HA	17	0.61
(1,71)	1:92:B:LEU:HD23	1:82:A:ARG:HA	17	0.61
(1,70)	1:92:A:LEU:HD21	1:82:B:ARG:HA	3	0.61
(1,70)	1:92:A:LEU:HD22	1:82:B:ARG:HA	3	0.61
(1,70)	1:92:A:LEU:HD23	1:82:B:ARG:HA	3	0.61
(1,30)	1:95:B:LEU:HD11	1:74:A:LYS:HA	1	0.61
(1,30)	1:95:B:LEU:HD12	1:74:A:LYS:HA	1	0.61
(1,30)	1:95:B:LEU:HD13	1:74:A:LYS:HA	1	0.61
(2,26)	1:47:A:PHE:HD1	1:48:A:MET:HG2	7	0.6
(2,26)	1:47:A:PHE:HD2	1:48:A:MET:HG2	7	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,25)	1:47:B:PHE:HD1	1:48:B:MET:HG2	7	0.6
(2,25)	1:47:B:PHE:HD2	1:48:B:MET:HG2	7	0.6
(1,3340)	1:62:B:THR:HA	1:25:B:THR:HB	6	0.6
(1,3298)	1:22:B:ARG:HB3	1:63:B:ALA:H	8	0.6
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB1	12	0.6
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB2	12	0.6
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB3	12	0.6
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB1	12	0.6
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB2	12	0.6
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB3	12	0.6
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB1	12	0.6
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB2	12	0.6
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB3	12	0.6
(1,2722)	1:65:B:ILE:HD11	1:25:B:THR:HA	1	0.6
(1,2722)	1:65:B:ILE:HD12	1:25:B:THR:HA	1	0.6
(1,2722)	1:65:B:ILE:HD13	1:25:B:THR:HA	1	0.6
(1,2722)	1:65:B:ILE:HD11	1:25:B:THR:HA	18	0.6
(1,2722)	1:65:B:ILE:HD12	1:25:B:THR:HA	18	0.6
(1,2722)	1:65:B:ILE:HD13	1:25:B:THR:HA	18	0.6
(1,2721)	1:65:A:ILE:HD11	1:25:A:THR:HA	18	0.6
(1,2721)	1:65:A:ILE:HD12	1:25:A:THR:HA	18	0.6
(1,2721)	1:65:A:ILE:HD13	1:25:A:THR:HA	18	0.6
(1,2685)	1:46:B:LEU:H	1:47:B:PHE:HB2	2	0.6
(1,2644)	1:78:B:ILE:HD11	1:96:A:ASN:HD21	8	0.6
(1,2644)	1:78:B:ILE:HD12	1:96:A:ASN:HD21	8	0.6
(1,2644)	1:78:B:ILE:HD13	1:96:A:ASN:HD21	8	0.6
(1,2523)	1:74:B:LYS:HG2	1:98:A:ARG:HG3	12	0.6
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD11	2	0.6
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD12	2	0.6
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD13	2	0.6
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD11	2	0.6
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD12	2	0.6
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD13	2	0.6
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD11	8	0.6
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD12	8	0.6
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD13	8	0.6
(1,2419)	1:94:B:ILE:H	1:93:B:ASN:HB2	14	0.6
(1,2418)	1:94:A:ILE:H	1:93:A:ASN:HB2	14	0.6
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD21	2	0.6
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD22	2	0.6
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD23	2	0.6
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD21	15	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD22	15	0.6
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD23	15	0.6
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD21	2	0.6
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD22	2	0.6
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD23	2	0.6
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD21	15	0.6
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD22	15	0.6
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD23	15	0.6
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD11	18	0.6
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD12	18	0.6
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD13	18	0.6
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD11	5	0.6
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD12	5	0.6
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD13	5	0.6
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD11	5	0.6
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD12	5	0.6
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD13	5	0.6
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD11	5	0.6
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD12	5	0.6
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD13	5	0.6
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD11	5	0.6
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD12	5	0.6
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD13	5	0.6
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD11	5	0.6
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD12	5	0.6
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD13	5	0.6
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD11	5	0.6
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD12	5	0.6
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD13	5	0.6
(1,1662)	1:78:B:ILE:HG21	1:79:B:ASN:HD22	5	0.6
(1,1662)	1:78:B:ILE:HG22	1:79:B:ASN:HD22	5	0.6
(1,1662)	1:78:B:ILE:HG23	1:79:B:ASN:HD22	5	0.6
(1,1585)	1:48:A:MET:H	1:44:A:LEU:HD11	13	0.6
(1,1585)	1:48:A:MET:H	1:44:A:LEU:HD12	13	0.6
(1,1585)	1:48:A:MET:H	1:44:A:LEU:HD13	13	0.6
(1,1584)	1:48:B:MET:H	1:44:B:LEU:HD11	13	0.6
(1,1584)	1:48:B:MET:H	1:44:B:LEU:HD12	13	0.6
(1,1584)	1:48:B:MET:H	1:44:B:LEU:HD13	13	0.6
(1,1357)	1:29:A:LEU:HG	1:28:A:GLN:HE21	4	0.6
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD11	6	0.6
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD12	6	0.6
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD13	6	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1263)	1:42:B:GLY:HA2	1:43:B:PRO:HD3	4	0.6
(1,719)	1:44:A:LEU:HD11	1:73:A:LYS:H	3	0.6
(1,719)	1:44:A:LEU:HD12	1:73:A:LYS:H	3	0.6
(1,719)	1:44:A:LEU:HD13	1:73:A:LYS:H	3	0.6
(1,706)	1:91:A:MET:HG3	1:91:A:MET:HA	20	0.6
(1,551)	1:25:A:THR:H	1:29:A:LEU:H	4	0.6
(1,547)	1:70:B:GLY:H	1:68:B:ARG:HE	8	0.6
(1,546)	1:70:A:GLY:H	1:68:A:ARG:HE	8	0.6
(1,333)	1:62:A:THR:HG21	1:64:A:GLY:HA2	8	0.6
(1,333)	1:62:A:THR:HG22	1:64:A:GLY:HA2	8	0.6
(1,333)	1:62:A:THR:HG23	1:64:A:GLY:HA2	8	0.6
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD1	1	0.6
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD2	1	0.6
(1,71)	1:92:B:LEU:HD21	1:82:A:ARG:HA	8	0.6
(1,71)	1:92:B:LEU:HD22	1:82:A:ARG:HA	8	0.6
(1,71)	1:92:B:LEU:HD23	1:82:A:ARG:HA	8	0.6
(1,70)	1:92:A:LEU:HD21	1:82:B:ARG:HA	4	0.6
(1,70)	1:92:A:LEU:HD22	1:82:B:ARG:HA	4	0.6
(1,70)	1:92:A:LEU:HD23	1:82:B:ARG:HA	4	0.6
(1,16)	1:55:B:ARG:HB3	1:91:A:MET:HG2	4	0.6
(2,253)	1:48:A:MET:H	1:48:A:MET:HG3	11	0.59
(2,253)	1:48:A:MET:H	1:48:A:MET:HG3	14	0.59
(2,98)	1:78:A:ILE:HG21	1:79:A:ASN:HD22	5	0.59
(2,98)	1:78:A:ILE:HG22	1:79:A:ASN:HD22	5	0.59
(2,98)	1:78:A:ILE:HG23	1:79:A:ASN:HD22	5	0.59
(2,47)	1:41:A:ARG:HG3	1:47:A:PHE:H	15	0.59
(1,3410)	1:94:A:ILE:HA	1:97:A:ARG:HB2	5	0.59
(1,3280)	1:88:B:ILE:HG12	1:52:A:ALA:HA	20	0.59
(1,3225)	1:95:A:LEU:HD21	1:96:A:ASN:HB2	8	0.59
(1,3225)	1:95:A:LEU:HD22	1:96:A:ASN:HB2	8	0.59
(1,3225)	1:95:A:LEU:HD23	1:96:A:ASN:HB2	8	0.59
(1,3224)	1:95:B:LEU:HD21	1:96:B:ASN:HB2	8	0.59
(1,3224)	1:95:B:LEU:HD22	1:96:B:ASN:HB2	8	0.59
(1,3224)	1:95:B:LEU:HD23	1:96:B:ASN:HB2	8	0.59
(1,3183)	1:48:A:MET:HG2	1:81:A:LEU:HG	20	0.59
(1,3171)	1:57:B:LEU:HD11	1:53:B:PHE:HB3	10	0.59
(1,3171)	1:57:B:LEU:HD12	1:53:B:PHE:HB3	10	0.59
(1,3171)	1:57:B:LEU:HD13	1:53:B:PHE:HB3	10	0.59
(1,3085)	1:77:A:ALA:H	1:76:A:LYS:HG2	5	0.59
(1,3084)	1:77:B:ALA:H	1:76:B:LYS:HG2	5	0.59
(1,3079)	1:22:A:ARG:HB2	1:24:A:SER:HA	10	0.59
(1,2882)	1:38:B:LEU:HD11	1:39:B:GLN:H	6	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2882)	1:38:B:LEU:HD12	1:39:B:GLN:H	6	0.59
(1,2882)	1:38:B:LEU:HD13	1:39:B:GLN:H	6	0.59
(1,2881)	1:38:A:LEU:HD11	1:39:A:GLN:H	6	0.59
(1,2881)	1:38:A:LEU:HD12	1:39:A:GLN:H	6	0.59
(1,2881)	1:38:A:LEU:HD13	1:39:A:GLN:H	6	0.59
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD11	16	0.59
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD12	16	0.59
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD13	16	0.59
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD11	16	0.59
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD12	16	0.59
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD13	16	0.59
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD11	16	0.59
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD12	16	0.59
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD13	16	0.59
(1,2721)	1:65:A:ILE:HD11	1:25:A:THR:HA	1	0.59
(1,2721)	1:65:A:ILE:HD12	1:25:A:THR:HA	1	0.59
(1,2721)	1:65:A:ILE:HD13	1:25:A:THR:HA	1	0.59
(1,2609)	1:41:B:ARG:HG3	1:47:B:PHE:H	15	0.59
(1,2534)	1:27:A:GLN:HA	1:27:A:GLN:HG2	20	0.59
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD11	17	0.59
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD12	17	0.59
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD13	17	0.59
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD11	17	0.59
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD12	17	0.59
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD13	17	0.59
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG11	8	0.59
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG12	8	0.59
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG13	8	0.59
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG11	17	0.59
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG12	17	0.59
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG13	17	0.59
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD21	14	0.59
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD22	14	0.59
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD23	14	0.59
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD21	14	0.59
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD22	14	0.59
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD23	14	0.59
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD11	2	0.59
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD12	2	0.59
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD13	2	0.59
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD11	16	0.59
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD12	16	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD13	16	0.59
(1,1836)	1:65:B:ILE:HG21	1:51:B:VAL:HA	16	0.59
(1,1836)	1:65:B:ILE:HG22	1:51:B:VAL:HA	16	0.59
(1,1836)	1:65:B:ILE:HG23	1:51:B:VAL:HA	16	0.59
(1,1835)	1:65:A:ILE:HG21	1:51:A:VAL:HA	16	0.59
(1,1835)	1:65:A:ILE:HG22	1:51:A:VAL:HA	16	0.59
(1,1835)	1:65:A:ILE:HG23	1:51:A:VAL:HA	16	0.59
(1,1633)	1:48:B:MET:H	1:48:B:MET:HG3	11	0.59
(1,1633)	1:48:B:MET:H	1:48:B:MET:HG3	14	0.59
(1,1439)	1:57:A:LEU:HD11	1:59:A:ILE:H	10	0.59
(1,1439)	1:57:A:LEU:HD12	1:59:A:ILE:H	10	0.59
(1,1439)	1:57:A:LEU:HD13	1:59:A:ILE:H	10	0.59
(1,1420)	1:95:A:LEU:HD11	1:74:B:LYS:HA	1	0.59
(1,1420)	1:95:A:LEU:HD12	1:74:B:LYS:HA	1	0.59
(1,1420)	1:95:A:LEU:HD13	1:74:B:LYS:HA	1	0.59
(1,1358)	1:29:B:LEU:HG	1:28:B:GLN:HE21	4	0.59
(1,1263)	1:42:B:GLY:HA2	1:43:B:PRO:HD3	17	0.59
(1,1262)	1:42:A:GLY:HA2	1:43:A:PRO:HD3	1	0.59
(1,1154)	1:30:A:THR:HG21	1:28:A:GLN:H	19	0.59
(1,1154)	1:30:A:THR:HG22	1:28:A:GLN:H	19	0.59
(1,1154)	1:30:A:THR:HG23	1:28:A:GLN:H	19	0.59
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD11	10	0.59
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD12	10	0.59
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD13	10	0.59
(1,805)	1:65:A:ILE:HG21	1:51:A:VAL:H	4	0.59
(1,805)	1:65:A:ILE:HG22	1:51:A:VAL:H	4	0.59
(1,805)	1:65:A:ILE:HG23	1:51:A:VAL:H	4	0.59
(1,804)	1:65:B:ILE:HG21	1:51:B:VAL:H	4	0.59
(1,804)	1:65:B:ILE:HG22	1:51:B:VAL:H	4	0.59
(1,804)	1:65:B:ILE:HG23	1:51:B:VAL:H	4	0.59
(1,735)	1:38:B:LEU:HA	1:39:B:GLN:H	18	0.59
(1,734)	1:38:A:LEU:HA	1:39:A:GLN:H	18	0.59
(1,718)	1:44:B:LEU:HD11	1:73:B:LYS:H	3	0.59
(1,718)	1:44:B:LEU:HD12	1:73:B:LYS:H	3	0.59
(1,718)	1:44:B:LEU:HD13	1:73:B:LYS:H	3	0.59
(1,706)	1:91:A:MET:HG3	1:91:A:MET:HA	2	0.59
(1,550)	1:25:B:THR:H	1:29:B:LEU:H	4	0.59
(1,374)	1:56:A:PHE:HD1	1:49:B:ALA:HA	16	0.59
(1,374)	1:56:A:PHE:HD2	1:49:B:ALA:HA	16	0.59
(1,216)	1:77:B:ALA:HB1	1:48:B:MET:HG3	5	0.59
(1,216)	1:77:B:ALA:HB2	1:48:B:MET:HG3	5	0.59
(1,216)	1:77:B:ALA:HB3	1:48:B:MET:HG3	5	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,215)	1:77:A:ALA:HB1	1:48:A:MET:HG3	5	0.59
(1,215)	1:77:A:ALA:HB2	1:48:A:MET:HG3	5	0.59
(1,215)	1:77:A:ALA:HB3	1:48:A:MET:HG3	5	0.59
(1,111)	1:91:A:MET:HG3	1:69:B:TRP:HZ2	11	0.59
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD1	1	0.59
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD2	1	0.59
(1,94)	1:57:B:LEU:HD21	1:49:A:ALA:HA	4	0.59
(1,94)	1:57:B:LEU:HD22	1:49:A:ALA:HA	4	0.59
(1,94)	1:57:B:LEU:HD23	1:49:A:ALA:HA	4	0.59
(1,71)	1:92:B:LEU:HD21	1:82:A:ARG:HA	4	0.59
(1,71)	1:92:B:LEU:HD22	1:82:A:ARG:HA	4	0.59
(1,71)	1:92:B:LEU:HD23	1:82:A:ARG:HA	4	0.59
(1,31)	1:95:A:LEU:HD11	1:74:B:LYS:HA	1	0.59
(1,31)	1:95:A:LEU:HD12	1:74:B:LYS:HA	1	0.59
(1,31)	1:95:A:LEU:HD13	1:74:B:LYS:HA	1	0.59
(2,299)	1:48:B:MET:HG2	1:81:B:LEU:HG	20	0.58
(2,253)	1:48:A:MET:H	1:48:A:MET:HG3	8	0.58
(2,253)	1:48:A:MET:H	1:48:A:MET:HG3	15	0.58
(2,253)	1:48:A:MET:H	1:48:A:MET:HG3	19	0.58
(2,124)	1:93:A:ASN:HD21	1:93:A:ASN:H	1	0.58
(1,3409)	1:94:B:ILE:HA	1:97:B:ARG:HB2	5	0.58
(1,3387)	1:77:B:ALA:HB1	1:95:A:LEU:HB2	18	0.58
(1,3387)	1:77:B:ALA:HB2	1:95:A:LEU:HB2	18	0.58
(1,3387)	1:77:B:ALA:HB3	1:95:A:LEU:HB2	18	0.58
(1,3319)	1:71:A:THR:HG21	1:44:A:LEU:HA	14	0.58
(1,3319)	1:71:A:THR:HG22	1:44:A:LEU:HA	14	0.58
(1,3319)	1:71:A:THR:HG23	1:44:A:LEU:HA	14	0.58
(1,3318)	1:71:B:THR:HG21	1:44:B:LEU:HA	14	0.58
(1,3318)	1:71:B:THR:HG22	1:44:B:LEU:HA	14	0.58
(1,3318)	1:71:B:THR:HG23	1:44:B:LEU:HA	14	0.58
(1,3152)	1:81:A:LEU:HD11	1:69:A:TRP:HZ3	10	0.58
(1,3152)	1:81:A:LEU:HD12	1:69:A:TRP:HZ3	10	0.58
(1,3152)	1:81:A:LEU:HD13	1:69:A:TRP:HZ3	10	0.58
(1,3078)	1:22:B:ARG:HB2	1:24:B:SER:HA	10	0.58
(1,3049)	1:55:A:ARG:HA	1:55:A:ARG:HD3	9	0.58
(1,3048)	1:55:B:ARG:HA	1:55:B:ARG:HD3	9	0.58
(1,2805)	1:26:B:VAL:HG11	1:22:B:ARG:HG3	17	0.58
(1,2805)	1:26:B:VAL:HG12	1:22:B:ARG:HG3	17	0.58
(1,2805)	1:26:B:VAL:HG13	1:22:B:ARG:HG3	17	0.58
(1,2668)	1:88:A:ILE:HA	1:52:B:ALA:HA	1	0.58
(1,2644)	1:78:B:ILE:HD11	1:96:A:ASN:HD21	4	0.58
(1,2644)	1:78:B:ILE:HD12	1:96:A:ASN:HD21	4	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2644)	1:78:B:ILE:HD13	1:96:A:ASN:HD21	4	0.58
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG21	10	0.58
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG22	10	0.58
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG23	10	0.58
(1,2533)	1:27:B:GLN:HA	1:27:B:GLN:HG2	20	0.58
(1,2522)	1:74:A:LYS:HG2	1:98:B:ARG:HG3	4	0.58
(1,2506)	1:64:B:GLY:HA2	1:68:B:ARG:HG2	4	0.58
(1,2315)	1:44:A:LEU:HD11	1:71:A:THR:HG21	8	0.58
(1,2315)	1:44:A:LEU:HD11	1:71:A:THR:HG22	8	0.58
(1,2315)	1:44:A:LEU:HD11	1:71:A:THR:HG23	8	0.58
(1,2315)	1:44:A:LEU:HD12	1:71:A:THR:HG21	8	0.58
(1,2315)	1:44:A:LEU:HD12	1:71:A:THR:HG22	8	0.58
(1,2315)	1:44:A:LEU:HD12	1:71:A:THR:HG23	8	0.58
(1,2315)	1:44:A:LEU:HD13	1:71:A:THR:HG21	8	0.58
(1,2315)	1:44:A:LEU:HD13	1:71:A:THR:HG22	8	0.58
(1,2315)	1:44:A:LEU:HD13	1:71:A:THR:HG23	8	0.58
(1,2314)	1:44:B:LEU:HD11	1:71:B:THR:HG21	8	0.58
(1,2314)	1:44:B:LEU:HD11	1:71:B:THR:HG22	8	0.58
(1,2314)	1:44:B:LEU:HD11	1:71:B:THR:HG23	8	0.58
(1,2314)	1:44:B:LEU:HD12	1:71:B:THR:HG21	8	0.58
(1,2314)	1:44:B:LEU:HD12	1:71:B:THR:HG22	8	0.58
(1,2314)	1:44:B:LEU:HD12	1:71:B:THR:HG23	8	0.58
(1,2314)	1:44:B:LEU:HD13	1:71:B:THR:HG21	8	0.58
(1,2314)	1:44:B:LEU:HD13	1:71:B:THR:HG22	8	0.58
(1,2314)	1:44:B:LEU:HD13	1:71:B:THR:HG23	8	0.58
(1,2041)	1:71:B:THR:HG21	1:43:B:PRO:HD2	8	0.58
(1,2041)	1:71:B:THR:HG22	1:43:B:PRO:HD2	8	0.58
(1,2041)	1:71:B:THR:HG23	1:43:B:PRO:HD2	8	0.58
(1,2040)	1:71:A:THR:HG21	1:43:A:PRO:HD2	8	0.58
(1,2040)	1:71:A:THR:HG22	1:43:A:PRO:HD2	8	0.58
(1,2040)	1:71:A:THR:HG23	1:43:A:PRO:HD2	8	0.58
(1,1912)	1:94:A:ILE:HG21	1:97:A:ARG:H	1	0.58
(1,1912)	1:94:A:ILE:HG22	1:97:A:ARG:H	1	0.58
(1,1912)	1:94:A:ILE:HG23	1:97:A:ARG:H	1	0.58
(1,1752)	1:83:B:GLY:H	1:82:B:ARG:HB2	20	0.58
(1,1751)	1:83:A:GLY:H	1:82:A:ARG:HB2	20	0.58
(1,1633)	1:48:B:MET:H	1:48:B:MET:HG3	8	0.58
(1,1633)	1:48:B:MET:H	1:48:B:MET:HG3	15	0.58
(1,1633)	1:48:B:MET:H	1:48:B:MET:HG3	19	0.58
(1,1593)	1:93:B:ASN:HD21	1:93:B:ASN:H	1	0.58
(1,1357)	1:29:A:LEU:HG	1:28:A:GLN:HE21	6	0.58
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD11	7	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD12	7	0.58
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD13	7	0.58
(1,1263)	1:42:B:GLY:HA2	1:43:B:PRO:HD3	1	0.58
(1,1262)	1:42:A:GLY:HA2	1:43:A:PRO:HD3	17	0.58
(1,1155)	1:30:B:THR:HG21	1:28:B:GLN:H	19	0.58
(1,1155)	1:30:B:THR:HG22	1:28:B:GLN:H	19	0.58
(1,1155)	1:30:B:THR:HG23	1:28:B:GLN:H	19	0.58
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD21	4	0.58
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD22	4	0.58
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD23	4	0.58
(1,434)	1:49:B:ALA:HB1	1:57:A:LEU:HB2	11	0.58
(1,434)	1:49:B:ALA:HB2	1:57:A:LEU:HB2	11	0.58
(1,434)	1:49:B:ALA:HB3	1:57:A:LEU:HB2	11	0.58
(1,433)	1:49:A:ALA:HB1	1:57:B:LEU:HB2	11	0.58
(1,433)	1:49:A:ALA:HB2	1:57:B:LEU:HB2	11	0.58
(1,433)	1:49:A:ALA:HB3	1:57:B:LEU:HB2	11	0.58
(1,164)	1:69:B:TRP:HH2	1:95:A:LEU:HG	4	0.58
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD21	1	0.58
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD22	1	0.58
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD23	1	0.58
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD21	1	0.58
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD22	1	0.58
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD23	1	0.58
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD21	1	0.58
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD22	1	0.58
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD23	1	0.58
(1,132)	1:90:B:ARG:HA	1:93:B:ASN:HD21	8	0.58
(1,131)	1:90:A:ARG:HA	1:93:A:ASN:HD21	8	0.58
(1,112)	1:91:B:MET:HG3	1:69:A:TRP:HZ2	11	0.58
(1,94)	1:57:B:LEU:HD21	1:49:A:ALA:HA	3	0.58
(1,94)	1:57:B:LEU:HD22	1:49:A:ALA:HA	3	0.58
(1,94)	1:57:B:LEU:HD23	1:49:A:ALA:HA	3	0.58
(1,70)	1:92:A:LEU:HD21	1:82:B:ARG:HA	17	0.58
(1,70)	1:92:A:LEU:HD22	1:82:B:ARG:HA	17	0.58
(1,70)	1:92:A:LEU:HD23	1:82:B:ARG:HA	17	0.58
(2,253)	1:48:A:MET:H	1:48:A:MET:HG3	12	0.57
(1,3204)	1:97:B:ARG:HA	1:97:B:ARG:HD2	7	0.57
(1,3203)	1:97:A:ARG:HA	1:97:A:ARG:HD2	7	0.57
(1,3198)	1:48:B:MET:HB2	1:47:B:PHE:HB2	1	0.57
(1,3197)	1:48:A:MET:HB2	1:47:A:PHE:HB2	1	0.57
(1,3153)	1:81:B:LEU:HD11	1:69:B:TRP:HZ3	10	0.57
(1,3153)	1:81:B:LEU:HD12	1:69:B:TRP:HZ3	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3153)	1:81:B:LEU:HD13	1:69:B:TRP:HZ3	10	0.57
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD11	20	0.57
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD12	20	0.57
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD13	20	0.57
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD11	20	0.57
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD12	20	0.57
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD13	20	0.57
(1,2793)	1:42:A:GLY:HA2	1:41:A:ARG:HB3	2	0.57
(1,2792)	1:42:B:GLY:HA2	1:41:B:ARG:HB3	2	0.57
(1,2684)	1:46:A:LEU:H	1:47:A:PHE:HB2	14	0.57
(1,2669)	1:88:B:ILE:HA	1:52:A:ALA:HA	17	0.57
(1,2645)	1:78:A:ILE:HD11	1:96:B:ASN:HD21	4	0.57
(1,2645)	1:78:A:ILE:HD12	1:96:B:ASN:HD21	4	0.57
(1,2645)	1:78:A:ILE:HD13	1:96:B:ASN:HD21	4	0.57
(1,2553)	1:94:B:ILE:HG13	1:93:B:ASN:HB3	11	0.57
(1,2507)	1:64:A:GLY:HA2	1:68:A:ARG:HG2	4	0.57
(1,2248)	1:74:A:LYS:HA	1:73:A:LYS:HA	10	0.57
(1,2247)	1:74:B:LYS:HA	1:73:B:LYS:HA	10	0.57
(1,2059)	1:57:B:LEU:HD21	1:46:A:LEU:H	8	0.57
(1,2059)	1:57:B:LEU:HD22	1:46:A:LEU:H	8	0.57
(1,2059)	1:57:B:LEU:HD23	1:46:A:LEU:H	8	0.57
(1,1911)	1:94:B:ILE:HG21	1:97:B:ARG:H	1	0.57
(1,1911)	1:94:B:ILE:HG22	1:97:B:ARG:H	1	0.57
(1,1911)	1:94:B:ILE:HG23	1:97:B:ARG:H	1	0.57
(1,1633)	1:48:B:MET:H	1:48:B:MET:HG3	12	0.57
(1,1457)	1:28:A:GLN:H	1:25:A:THR:H	4	0.57
(1,1358)	1:29:B:LEU:HG	1:28:B:GLN:HE21	6	0.57
(1,1358)	1:29:B:LEU:HG	1:28:B:GLN:HE21	20	0.57
(1,1264)	1:22:B:ARG:HG3	1:22:B:ARG:HA	3	0.57
(1,1263)	1:42:B:GLY:HA2	1:43:B:PRO:HD3	8	0.57
(1,1262)	1:42:A:GLY:HA2	1:43:A:PRO:HD3	8	0.57
(1,1234)	1:46:B:LEU:H	1:43:B:PRO:HB3	18	0.57
(1,1233)	1:46:A:LEU:H	1:43:A:PRO:HB3	18	0.57
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD21	19	0.57
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD22	19	0.57
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD23	19	0.57
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD11	6	0.57
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD12	6	0.57
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD13	6	0.57
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD11	6	0.57
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD12	6	0.57
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD13	6	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,434)	1:49:B:ALA:HB1	1:57:A:LEU:HB2	15	0.57
(1,434)	1:49:B:ALA:HB2	1:57:A:LEU:HB2	15	0.57
(1,434)	1:49:B:ALA:HB3	1:57:A:LEU:HB2	15	0.57
(1,373)	1:56:B:PHE:HD1	1:49:A:ALA:HA	5	0.57
(1,373)	1:56:B:PHE:HD2	1:49:A:ALA:HA	5	0.57
(1,279)	1:41:B:ARG:H	1:38:B:LEU:HA	17	0.57
(1,165)	1:69:A:TRP:HH2	1:95:B:LEU:HG	15	0.57
(1,150)	1:49:B:ALA:HB1	1:57:A:LEU:H	15	0.57
(1,150)	1:49:B:ALA:HB2	1:57:A:LEU:H	15	0.57
(1,150)	1:49:B:ALA:HB3	1:57:A:LEU:H	15	0.57
(1,146)	1:69:A:TRP:HH2	1:95:B:LEU:H	4	0.57
(2,201)	1:67:B:LYS:H	1:67:B:LYS:HD2	7	0.56
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD11	20	0.56
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD12	20	0.56
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD13	20	0.56
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD11	20	0.56
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD12	20	0.56
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD13	20	0.56
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD11	19	0.56
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD12	19	0.56
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD13	19	0.56
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD11	19	0.56
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD12	19	0.56
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD13	19	0.56
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD11	19	0.56
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD12	19	0.56
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD13	19	0.56
(1,2685)	1:46:B:LEU:H	1:47:B:PHE:HB2	14	0.56
(1,2669)	1:88:B:ILE:HA	1:52:A:ALA:HA	5	0.56
(1,2668)	1:88:A:ILE:HA	1:52:B:ALA:HA	5	0.56
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD11	10	0.56
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD12	10	0.56
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD13	10	0.56
(1,2588)	1:88:A:ILE:HG21	1:85:A:ARG:HD2	9	0.56
(1,2588)	1:88:A:ILE:HG22	1:85:A:ARG:HD2	9	0.56
(1,2588)	1:88:A:ILE:HG23	1:85:A:ARG:HD2	9	0.56
(1,2587)	1:88:B:ILE:HG21	1:85:B:ARG:HD2	9	0.56
(1,2587)	1:88:B:ILE:HG22	1:85:B:ARG:HD2	9	0.56
(1,2587)	1:88:B:ILE:HG23	1:85:B:ARG:HD2	9	0.56
(1,2554)	1:94:A:ILE:HG13	1:93:A:ASN:HB3	11	0.56
(1,2553)	1:94:B:ILE:HG13	1:93:B:ASN:HB3	18	0.56
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG11	1	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG12	1	0.56
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG13	1	0.56
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG11	10	0.56
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG12	10	0.56
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG13	10	0.56
(1,2168)	1:78:A:ILE:H	1:75:A:SER:HB3	5	0.56
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD11	14	0.56
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD12	14	0.56
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD13	14	0.56
(1,2046)	1:67:A:LYS:H	1:67:A:LYS:HD2	1	0.56
(1,2046)	1:67:A:LYS:H	1:67:A:LYS:HD2	7	0.56
(1,1799)	1:84:B:PHE:HD1	1:85:A:ARG:HA	4	0.56
(1,1799)	1:84:B:PHE:HD2	1:85:A:ARG:HA	4	0.56
(1,1798)	1:84:A:PHE:HD1	1:85:B:ARG:HA	4	0.56
(1,1798)	1:84:A:PHE:HD2	1:85:B:ARG:HA	4	0.56
(1,1679)	1:52:B:ALA:HA	1:55:B:ARG:HG2	17	0.56
(1,1678)	1:52:A:ALA:HA	1:55:A:ARG:HG2	17	0.56
(1,1458)	1:28:B:GLN:H	1:25:B:THR:H	4	0.56
(1,1357)	1:29:A:LEU:HG	1:28:A:GLN:HE21	20	0.56
(1,1337)	1:95:A:LEU:HD11	1:94:A:ILE:H	11	0.56
(1,1337)	1:95:A:LEU:HD12	1:94:A:ILE:H	11	0.56
(1,1337)	1:95:A:LEU:HD13	1:94:A:ILE:H	11	0.56
(1,1336)	1:95:B:LEU:HD11	1:94:B:ILE:H	11	0.56
(1,1336)	1:95:B:LEU:HD12	1:94:B:ILE:H	11	0.56
(1,1336)	1:95:B:LEU:HD13	1:94:B:ILE:H	11	0.56
(1,1312)	1:95:B:LEU:HD11	1:69:A:TRP:HH2	9	0.56
(1,1312)	1:95:B:LEU:HD12	1:69:A:TRP:HH2	9	0.56
(1,1312)	1:95:B:LEU:HD13	1:69:A:TRP:HH2	9	0.56
(1,1311)	1:95:A:LEU:HD11	1:69:B:TRP:HH2	2	0.56
(1,1311)	1:95:A:LEU:HD12	1:69:B:TRP:HH2	2	0.56
(1,1311)	1:95:A:LEU:HD13	1:69:B:TRP:HH2	2	0.56
(1,1262)	1:42:A:GLY:HA2	1:43:A:PRO:HD3	13	0.56
(1,1063)	1:27:A:GLN:H	1:29:A:LEU:H	12	0.56
(1,1062)	1:27:B:GLN:H	1:29:B:LEU:H	12	0.56
(1,754)	1:96:A:ASN:HD22	1:97:A:ARG:HA	19	0.56
(1,753)	1:96:B:ASN:HD22	1:97:B:ARG:HA	19	0.56
(1,706)	1:91:A:MET:HG3	1:91:A:MET:HA	4	0.56
(1,706)	1:91:A:MET:HG3	1:91:A:MET:HA	8	0.56
(1,706)	1:91:A:MET:HG3	1:91:A:MET:HA	13	0.56
(1,706)	1:91:A:MET:HG3	1:91:A:MET:HA	16	0.56
(1,630)	1:31:A:LYS:H	1:30:A:THR:HB	3	0.56
(1,629)	1:31:B:LYS:H	1:30:B:THR:HB	3	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,355)	1:75:B:SER:HB2	1:76:B:LYS:H	5	0.56
(1,333)	1:62:A:THR:HG21	1:64:A:GLY:HA2	12	0.56
(1,333)	1:62:A:THR:HG22	1:64:A:GLY:HA2	12	0.56
(1,333)	1:62:A:THR:HG23	1:64:A:GLY:HA2	12	0.56
(1,332)	1:62:B:THR:HG21	1:64:B:GLY:HA2	12	0.56
(1,332)	1:62:B:THR:HG22	1:64:B:GLY:HA2	12	0.56
(1,332)	1:62:B:THR:HG23	1:64:B:GLY:HA2	12	0.56
(1,278)	1:41:A:ARG:H	1:38:A:LEU:HA	17	0.56
(1,164)	1:69:B:TRP:HH2	1:95:A:LEU:HG	1	0.56
(1,145)	1:69:B:TRP:HH2	1:95:A:LEU:H	10	0.56
(1,71)	1:92:B:LEU:HD21	1:82:A:ARG:HA	13	0.56
(1,71)	1:92:B:LEU:HD22	1:82:A:ARG:HA	13	0.56
(1,71)	1:92:B:LEU:HD23	1:82:A:ARG:HA	13	0.56
(1,32)	1:57:B:LEU:HD11	1:45:A:LYS:HE2	18	0.56
(1,32)	1:57:B:LEU:HD12	1:45:A:LYS:HE2	18	0.56
(1,32)	1:57:B:LEU:HD13	1:45:A:LYS:HE2	18	0.56
(2,201)	1:67:B:LYS:H	1:67:B:LYS:HD2	1	0.55
(2,49)	1:72:B:ILE:HB	1:69:B:TRP:HB3	3	0.55
(1,3190)	1:66:B:LEU:HD21	1:60:B:PRO:HA	11	0.55
(1,3190)	1:66:B:LEU:HD22	1:60:B:PRO:HA	11	0.55
(1,3190)	1:66:B:LEU:HD23	1:60:B:PRO:HA	11	0.55
(1,3171)	1:57:B:LEU:HD11	1:53:B:PHE:HB3	8	0.55
(1,3171)	1:57:B:LEU:HD12	1:53:B:PHE:HB3	8	0.55
(1,3171)	1:57:B:LEU:HD13	1:53:B:PHE:HB3	8	0.55
(1,3064)	1:69:A:TRP:HE3	1:51:A:VAL:HB	17	0.55
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD21	4	0.55
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD22	4	0.55
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD23	4	0.55
(1,2785)	1:94:A:ILE:HG21	1:74:B:LYS:HD3	20	0.55
(1,2785)	1:94:A:ILE:HG22	1:74:B:LYS:HD3	20	0.55
(1,2785)	1:94:A:ILE:HG23	1:74:B:LYS:HD3	20	0.55
(1,2685)	1:46:B:LEU:H	1:47:B:PHE:HB2	10	0.55
(1,2685)	1:46:B:LEU:H	1:47:B:PHE:HB2	15	0.55
(1,2684)	1:46:A:LEU:H	1:47:A:PHE:HB2	10	0.55
(1,2684)	1:46:A:LEU:H	1:47:A:PHE:HB2	15	0.55
(1,2669)	1:88:B:ILE:HA	1:52:A:ALA:HA	1	0.55
(1,2645)	1:78:A:ILE:HD11	1:96:B:ASN:HD21	14	0.55
(1,2645)	1:78:A:ILE:HD12	1:96:B:ASN:HD21	14	0.55
(1,2645)	1:78:A:ILE:HD13	1:96:B:ASN:HD21	14	0.55
(1,2554)	1:94:A:ILE:HG13	1:93:A:ASN:HB3	13	0.55
(1,2554)	1:94:A:ILE:HG13	1:93:A:ASN:HB3	18	0.55
(1,2553)	1:94:B:ILE:HG13	1:93:B:ASN:HB3	13	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2462)	1:43:A:PRO:HB2	1:43:A:PRO:HD2	18	0.55
(1,2461)	1:43:B:PRO:HB2	1:43:B:PRO:HD2	18	0.55
(1,2167)	1:78:B:ILE:H	1:75:B:SER:HB3	5	0.55
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD21	9	0.55
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD22	9	0.55
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD23	9	0.55
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD21	9	0.55
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD22	9	0.55
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD23	9	0.55
(1,2059)	1:57:B:LEU:HD21	1:46:A:LEU:H	12	0.55
(1,2059)	1:57:B:LEU:HD22	1:46:A:LEU:H	12	0.55
(1,2059)	1:57:B:LEU:HD23	1:46:A:LEU:H	12	0.55
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD11	13	0.55
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD12	13	0.55
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD13	13	0.55
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD11	15	0.55
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD12	15	0.55
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD13	15	0.55
(1,1930)	1:61:B:PRO:HG2	1:54:B:LEU:HD11	13	0.55
(1,1930)	1:61:B:PRO:HG2	1:54:B:LEU:HD12	13	0.55
(1,1930)	1:61:B:PRO:HG2	1:54:B:LEU:HD13	13	0.55
(1,1929)	1:61:A:PRO:HG2	1:54:A:LEU:HD11	13	0.55
(1,1929)	1:61:A:PRO:HG2	1:54:A:LEU:HD12	13	0.55
(1,1929)	1:61:A:PRO:HG2	1:54:A:LEU:HD13	13	0.55
(1,1912)	1:94:A:ILE:HG21	1:97:A:ARG:H	5	0.55
(1,1912)	1:94:A:ILE:HG22	1:97:A:ARG:H	5	0.55
(1,1912)	1:94:A:ILE:HG23	1:97:A:ARG:H	5	0.55
(1,1911)	1:94:B:ILE:HG21	1:97:B:ARG:H	5	0.55
(1,1911)	1:94:B:ILE:HG22	1:97:B:ARG:H	5	0.55
(1,1911)	1:94:B:ILE:HG23	1:97:B:ARG:H	5	0.55
(1,1799)	1:84:B:PHE:HD1	1:85:A:ARG:HA	19	0.55
(1,1799)	1:84:B:PHE:HD2	1:85:A:ARG:HA	19	0.55
(1,1798)	1:84:A:PHE:HD1	1:85:B:ARG:HA	19	0.55
(1,1798)	1:84:A:PHE:HD2	1:85:B:ARG:HA	19	0.55
(1,1500)	1:65:A:ILE:HD11	1:66:A:LEU:H	5	0.55
(1,1500)	1:65:A:ILE:HD12	1:66:A:LEU:H	5	0.55
(1,1500)	1:65:A:ILE:HD13	1:66:A:LEU:H	5	0.55
(1,1499)	1:65:B:ILE:HD11	1:66:B:LEU:H	5	0.55
(1,1499)	1:65:B:ILE:HD12	1:66:B:LEU:H	5	0.55
(1,1499)	1:65:B:ILE:HD13	1:66:B:LEU:H	5	0.55
(1,1374)	1:80:A:VAL:HG21	1:48:A:MET:H	20	0.55
(1,1374)	1:80:A:VAL:HG22	1:48:A:MET:H	20	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1374)	1:80:A:VAL:HG23	1:48:A:MET:H	20	0.55
(1,1350)	1:28:A:GLN:HA	1:31:A:LYS:H	17	0.55
(1,1349)	1:28:B:GLN:HA	1:31:B:LYS:H	17	0.55
(1,1263)	1:42:B:GLY:HA2	1:43:B:PRO:HD3	13	0.55
(1,1262)	1:42:A:GLY:HA2	1:43:A:PRO:HD3	6	0.55
(1,935)	1:51:A:VAL:HG11	1:65:A:ILE:HA	2	0.55
(1,935)	1:51:A:VAL:HG12	1:65:A:ILE:HA	2	0.55
(1,935)	1:51:A:VAL:HG13	1:65:A:ILE:HA	2	0.55
(1,934)	1:51:B:VAL:HG11	1:65:B:ILE:HA	2	0.55
(1,934)	1:51:B:VAL:HG12	1:65:B:ILE:HA	2	0.55
(1,934)	1:51:B:VAL:HG13	1:65:B:ILE:HA	2	0.55
(1,711)	1:66:B:LEU:H	1:64:B:GLY:H	8	0.55
(1,610)	1:61:A:PRO:HB2	1:66:A:LEU:HD21	6	0.55
(1,610)	1:61:A:PRO:HB2	1:66:A:LEU:HD22	6	0.55
(1,610)	1:61:A:PRO:HB2	1:66:A:LEU:HD23	6	0.55
(1,496)	1:26:A:VAL:HG21	1:28:A:GLN:H	7	0.55
(1,496)	1:26:A:VAL:HG22	1:28:A:GLN:H	7	0.55
(1,496)	1:26:A:VAL:HG23	1:28:A:GLN:H	7	0.55
(1,470)	1:27:A:GLN:HA	1:31:A:LYS:HE3	16	0.55
(1,469)	1:27:B:GLN:HA	1:31:B:LYS:HE3	16	0.55
(1,433)	1:49:A:ALA:HB1	1:57:B:LEU:HB2	15	0.55
(1,433)	1:49:A:ALA:HB2	1:57:B:LEU:HB2	15	0.55
(1,433)	1:49:A:ALA:HB3	1:57:B:LEU:HB2	15	0.55
(1,374)	1:56:A:PHE:HD1	1:49:B:ALA:HA	5	0.55
(1,374)	1:56:A:PHE:HD2	1:49:B:ALA:HA	5	0.55
(1,354)	1:75:A:SER:HB2	1:76:A:LYS:H	5	0.55
(1,270)	1:72:A:ILE:HB	1:69:A:TRP:HB3	3	0.55
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG3	10	0.55
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG3	10	0.55
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG3	10	0.55
(1,145)	1:69:B:TRP:HH2	1:95:A:LEU:H	4	0.55
(1,79)	1:88:A:ILE:HG12	1:52:B:ALA:HB1	20	0.55
(1,79)	1:88:A:ILE:HG12	1:52:B:ALA:HB2	20	0.55
(1,79)	1:88:A:ILE:HG12	1:52:B:ALA:HB3	20	0.55
(1,71)	1:92:B:LEU:HD21	1:82:A:ARG:HA	12	0.55
(1,71)	1:92:B:LEU:HD22	1:82:A:ARG:HA	12	0.55
(1,71)	1:92:B:LEU:HD23	1:82:A:ARG:HA	12	0.55
(1,70)	1:92:A:LEU:HD21	1:82:B:ARG:HA	8	0.55
(1,70)	1:92:A:LEU:HD22	1:82:B:ARG:HA	8	0.55
(1,70)	1:92:A:LEU:HD23	1:82:B:ARG:HA	8	0.55
(2,172)	1:61:B:PRO:HB2	1:66:B:LEU:HD21	6	0.54
(2,172)	1:61:B:PRO:HB2	1:66:B:LEU:HD22	6	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,172)	1:61:B:PRO:HB2	1:66:B:LEU:HD23	6	0.54
(2,164)	1:81:B:LEU:H	1:84:B:PHE:HB2	5	0.54
(2,26)	1:47:A:PHE:HD1	1:48:A:MET:HG2	9	0.54
(2,26)	1:47:A:PHE:HD2	1:48:A:MET:HG2	9	0.54
(1,3281)	1:66:B:LEU:HD21	1:66:B:LEU:HA	1	0.54
(1,3281)	1:66:B:LEU:HD22	1:66:B:LEU:HA	1	0.54
(1,3281)	1:66:B:LEU:HD23	1:66:B:LEU:HA	1	0.54
(1,3248)	1:26:A:VAL:HG21	1:27:A:GLN:HG3	1	0.54
(1,3248)	1:26:A:VAL:HG22	1:27:A:GLN:HG3	1	0.54
(1,3248)	1:26:A:VAL:HG23	1:27:A:GLN:HG3	1	0.54
(1,3204)	1:97:B:ARG:HA	1:97:B:ARG:HD2	6	0.54
(1,3203)	1:97:A:ARG:HA	1:97:A:ARG:HD2	6	0.54
(1,3202)	1:41:B:ARG:HB3	1:47:B:PHE:HB3	4	0.54
(1,3201)	1:41:A:ARG:HB3	1:47:A:PHE:HB3	4	0.54
(1,3198)	1:48:B:MET:HB2	1:47:B:PHE:HB2	12	0.54
(1,3197)	1:48:A:MET:HB2	1:47:A:PHE:HB2	12	0.54
(1,3171)	1:57:B:LEU:HD11	1:53:B:PHE:HB3	17	0.54
(1,3171)	1:57:B:LEU:HD12	1:53:B:PHE:HB3	17	0.54
(1,3171)	1:57:B:LEU:HD13	1:53:B:PHE:HB3	17	0.54
(1,3146)	1:51:B:VAL:HG21	1:69:B:TRP:HZ3	1	0.54
(1,3146)	1:51:B:VAL:HG22	1:69:B:TRP:HZ3	1	0.54
(1,3146)	1:51:B:VAL:HG23	1:69:B:TRP:HZ3	1	0.54
(1,3145)	1:51:A:VAL:HG21	1:69:A:TRP:HZ3	1	0.54
(1,3145)	1:51:A:VAL:HG22	1:69:A:TRP:HZ3	1	0.54
(1,3145)	1:51:A:VAL:HG23	1:69:A:TRP:HZ3	1	0.54
(1,3097)	1:65:B:ILE:HD11	1:25:B:THR:HB	9	0.54
(1,3097)	1:65:B:ILE:HD12	1:25:B:THR:HB	9	0.54
(1,3097)	1:65:B:ILE:HD13	1:25:B:THR:HB	9	0.54
(1,3065)	1:69:B:TRP:HE3	1:51:B:VAL:HB	17	0.54
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD21	4	0.54
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD22	4	0.54
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD23	4	0.54
(1,2966)	1:80:A:VAL:HG21	1:84:A:PHE:HB2	5	0.54
(1,2966)	1:80:A:VAL:HG22	1:84:A:PHE:HB2	5	0.54
(1,2966)	1:80:A:VAL:HG23	1:84:A:PHE:HB2	5	0.54
(1,2806)	1:23:B:VAL:HG21	1:24:B:SER:HA	7	0.54
(1,2806)	1:23:B:VAL:HG22	1:24:B:SER:HA	7	0.54
(1,2806)	1:23:B:VAL:HG23	1:24:B:SER:HA	7	0.54
(1,2722)	1:65:B:ILE:HD11	1:25:B:THR:HA	17	0.54
(1,2722)	1:65:B:ILE:HD12	1:25:B:THR:HA	17	0.54
(1,2722)	1:65:B:ILE:HD13	1:25:B:THR:HA	17	0.54
(1,2721)	1:65:A:ILE:HD11	1:25:A:THR:HA	17	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2721)	1:65:A:ILE:HD12	1:25:A:THR:HA	17	0.54
(1,2721)	1:65:A:ILE:HD13	1:25:A:THR:HA	17	0.54
(1,2684)	1:46:A:LEU:H	1:47:A:PHE:HB2	17	0.54
(1,2669)	1:88:B:ILE:HA	1:52:A:ALA:HA	4	0.54
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG11	3	0.54
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG12	3	0.54
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG13	3	0.54
(1,2368)	1:54:B:LEU:HG	1:51:B:VAL:HA	10	0.54
(1,2367)	1:54:A:LEU:HG	1:51:A:VAL:HA	10	0.54
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD21	1	0.54
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD22	1	0.54
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD23	1	0.54
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD21	1	0.54
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD22	1	0.54
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD23	1	0.54
(1,2059)	1:57:B:LEU:HD21	1:46:A:LEU:H	2	0.54
(1,2059)	1:57:B:LEU:HD22	1:46:A:LEU:H	2	0.54
(1,2059)	1:57:B:LEU:HD23	1:46:A:LEU:H	2	0.54
(1,1956)	1:98:B:ARG:HD2	1:74:A:LYS:HG2	16	0.54
(1,1698)	1:81:A:LEU:H	1:84:A:PHE:HB2	5	0.54
(1,1633)	1:48:B:MET:H	1:48:B:MET:HG3	1	0.54
(1,1337)	1:95:A:LEU:HD11	1:94:A:ILE:H	4	0.54
(1,1337)	1:95:A:LEU:HD12	1:94:A:ILE:H	4	0.54
(1,1337)	1:95:A:LEU:HD13	1:94:A:ILE:H	4	0.54
(1,1337)	1:95:A:LEU:HD11	1:94:A:ILE:H	19	0.54
(1,1337)	1:95:A:LEU:HD12	1:94:A:ILE:H	19	0.54
(1,1337)	1:95:A:LEU:HD13	1:94:A:ILE:H	19	0.54
(1,1304)	1:59:B:ILE:HG21	1:54:B:LEU:HA	17	0.54
(1,1304)	1:59:B:ILE:HG22	1:54:B:LEU:HA	17	0.54
(1,1304)	1:59:B:ILE:HG23	1:54:B:LEU:HA	17	0.54
(1,1303)	1:59:A:ILE:HG21	1:54:A:LEU:HA	17	0.54
(1,1303)	1:59:A:ILE:HG22	1:54:A:LEU:HA	17	0.54
(1,1303)	1:59:A:ILE:HG23	1:54:A:LEU:HA	17	0.54
(1,1265)	1:22:A:ARG:HG2	1:22:A:ARG:HA	2	0.54
(1,1263)	1:42:B:GLY:HA2	1:43:B:PRO:HD3	6	0.54
(1,1263)	1:42:B:GLY:HA2	1:43:B:PRO:HD3	19	0.54
(1,1262)	1:42:A:GLY:HA2	1:43:A:PRO:HD3	19	0.54
(1,710)	1:66:A:LEU:H	1:64:A:GLY:H	8	0.54
(1,706)	1:91:A:MET:HG3	1:91:A:MET:HA	1	0.54
(1,611)	1:61:B:PRO:HB2	1:66:B:LEU:HD21	6	0.54
(1,611)	1:61:B:PRO:HB2	1:66:B:LEU:HD22	6	0.54
(1,611)	1:61:B:PRO:HB2	1:66:B:LEU:HD23	6	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,332)	1:62:B:THR:HG21	1:64:B:GLY:HA2	7	0.54
(1,332)	1:62:B:THR:HG22	1:64:B:GLY:HA2	7	0.54
(1,332)	1:62:B:THR:HG23	1:64:B:GLY:HA2	7	0.54
(1,229)	1:74:B:LYS:HE3	1:98:A:ARG:HD2	2	0.54
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG3	1	0.54
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG3	1	0.54
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG3	1	0.54
(1,164)	1:69:B:TRP:HH2	1:95:A:LEU:HG	18	0.54
(1,149)	1:49:A:ALA:HB1	1:57:B:LEU:H	15	0.54
(1,149)	1:49:A:ALA:HB2	1:57:B:LEU:H	15	0.54
(1,149)	1:49:A:ALA:HB3	1:57:B:LEU:H	15	0.54
(1,70)	1:92:A:LEU:HD21	1:82:B:ARG:HA	5	0.54
(1,70)	1:92:A:LEU:HD22	1:82:B:ARG:HA	5	0.54
(1,70)	1:92:A:LEU:HD23	1:82:B:ARG:HA	5	0.54
(1,33)	1:57:A:LEU:HD11	1:45:B:LYS:HE2	18	0.54
(1,33)	1:57:A:LEU:HD12	1:45:B:LYS:HE2	18	0.54
(1,33)	1:57:A:LEU:HD13	1:45:B:LYS:HE2	18	0.54
(2,340)	1:77:A:ALA:H	1:76:A:LYS:HE3	4	0.53
(2,253)	1:48:A:MET:H	1:48:A:MET:HG3	1	0.53
(2,201)	1:67:B:LYS:H	1:67:B:LYS:HD3	13	0.53
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG3	1	0.53
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG3	1	0.53
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG3	1	0.53
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG3	10	0.53
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG3	10	0.53
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG3	10	0.53
(2,25)	1:47:B:PHE:HD1	1:48:B:MET:HG2	9	0.53
(2,25)	1:47:B:PHE:HD2	1:48:B:MET:HG2	9	0.53
(1,3225)	1:95:A:LEU:HD21	1:96:A:ASN:HB2	15	0.53
(1,3225)	1:95:A:LEU:HD22	1:96:A:ASN:HB2	15	0.53
(1,3225)	1:95:A:LEU:HD23	1:96:A:ASN:HB2	15	0.53
(1,3204)	1:97:B:ARG:HA	1:97:B:ARG:HD2	5	0.53
(1,3203)	1:97:A:ARG:HA	1:97:A:ARG:HD2	5	0.53
(1,3190)	1:66:B:LEU:HD21	1:60:B:PRO:HA	8	0.53
(1,3190)	1:66:B:LEU:HD22	1:60:B:PRO:HA	8	0.53
(1,3190)	1:66:B:LEU:HD23	1:60:B:PRO:HA	8	0.53
(1,3171)	1:57:B:LEU:HD11	1:53:B:PHE:HB3	14	0.53
(1,3171)	1:57:B:LEU:HD12	1:53:B:PHE:HB3	14	0.53
(1,3171)	1:57:B:LEU:HD13	1:53:B:PHE:HB3	14	0.53
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG21	4	0.53
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG22	4	0.53
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG23	4	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG21	4	0.53
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG22	4	0.53
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG23	4	0.53
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG21	4	0.53
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG22	4	0.53
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG23	4	0.53
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG21	4	0.53
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG22	4	0.53
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG23	4	0.53
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG21	4	0.53
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG22	4	0.53
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG23	4	0.53
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG21	4	0.53
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG22	4	0.53
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG23	4	0.53
(1,3098)	1:65:A:ILE:HD11	1:25:A:THR:HB	9	0.53
(1,3098)	1:65:A:ILE:HD12	1:25:A:THR:HB	9	0.53
(1,3098)	1:65:A:ILE:HD13	1:25:A:THR:HB	9	0.53
(1,2668)	1:88:A:ILE:HA	1:52:B:ALA:HA	4	0.53
(1,2618)	1:87:A:GLU:H	1:90:A:ARG:HD2	20	0.53
(1,2552)	1:58:B:THR:HA	1:59:B:ILE:HA	5	0.53
(1,2551)	1:58:A:THR:HA	1:59:A:ILE:HA	5	0.53
(1,2227)	1:61:B:PRO:HD2	1:61:B:PRO:HA	6	0.53
(1,2226)	1:61:A:PRO:HD2	1:61:A:PRO:HA	6	0.53
(1,2180)	1:63:B:ALA:HB1	1:23:B:VAL:HG21	6	0.53
(1,2180)	1:63:B:ALA:HB1	1:23:B:VAL:HG22	6	0.53
(1,2180)	1:63:B:ALA:HB1	1:23:B:VAL:HG23	6	0.53
(1,2180)	1:63:B:ALA:HB2	1:23:B:VAL:HG21	6	0.53
(1,2180)	1:63:B:ALA:HB2	1:23:B:VAL:HG22	6	0.53
(1,2180)	1:63:B:ALA:HB2	1:23:B:VAL:HG23	6	0.53
(1,2180)	1:63:B:ALA:HB3	1:23:B:VAL:HG21	6	0.53
(1,2180)	1:63:B:ALA:HB3	1:23:B:VAL:HG22	6	0.53
(1,2180)	1:63:B:ALA:HB3	1:23:B:VAL:HG23	6	0.53
(1,2046)	1:67:A:LYS:H	1:67:A:LYS:HD3	13	0.53
(1,1955)	1:98:A:ARG:HD2	1:74:B:LYS:HG2	16	0.53
(1,1799)	1:84:B:PHE:HD1	1:85:A:ARG:HA	12	0.53
(1,1799)	1:84:B:PHE:HD2	1:85:A:ARG:HA	12	0.53
(1,1798)	1:84:A:PHE:HD1	1:85:B:ARG:HA	11	0.53
(1,1798)	1:84:A:PHE:HD2	1:85:B:ARG:HA	11	0.53
(1,1798)	1:84:A:PHE:HD1	1:85:B:ARG:HA	12	0.53
(1,1798)	1:84:A:PHE:HD2	1:85:B:ARG:HA	12	0.53
(1,1439)	1:57:A:LEU:HD11	1:59:A:ILE:H	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1439)	1:57:A:LEU:HD12	1:59:A:ILE:H	5	0.53
(1,1439)	1:57:A:LEU:HD13	1:59:A:ILE:H	5	0.53
(1,1411)	1:62:B:THR:HA	1:23:B:VAL:HG21	6	0.53
(1,1411)	1:62:B:THR:HA	1:23:B:VAL:HG22	6	0.53
(1,1411)	1:62:B:THR:HA	1:23:B:VAL:HG23	6	0.53
(1,1336)	1:95:B:LEU:HD11	1:94:B:ILE:H	4	0.53
(1,1336)	1:95:B:LEU:HD12	1:94:B:ILE:H	4	0.53
(1,1336)	1:95:B:LEU:HD13	1:94:B:ILE:H	4	0.53
(1,1336)	1:95:B:LEU:HD11	1:94:B:ILE:H	19	0.53
(1,1336)	1:95:B:LEU:HD12	1:94:B:ILE:H	19	0.53
(1,1336)	1:95:B:LEU:HD13	1:94:B:ILE:H	19	0.53
(1,1263)	1:42:B:GLY:HA2	1:43:B:PRO:HD3	14	0.53
(1,1262)	1:42:A:GLY:HA2	1:43:A:PRO:HD3	14	0.53
(1,1169)	1:30:A:THR:HG21	1:31:A:LYS:H	20	0.53
(1,1169)	1:30:A:THR:HG22	1:31:A:LYS:H	20	0.53
(1,1169)	1:30:A:THR:HG23	1:31:A:LYS:H	20	0.53
(1,1168)	1:30:B:THR:HG21	1:31:B:LYS:H	20	0.53
(1,1168)	1:30:B:THR:HG22	1:31:B:LYS:H	20	0.53
(1,1168)	1:30:B:THR:HG23	1:31:B:LYS:H	20	0.53
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD11	18	0.53
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD12	18	0.53
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD13	18	0.53
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD21	5	0.53
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD22	5	0.53
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD23	5	0.53
(1,783)	1:22:A:ARG:HG3	1:23:A:VAL:H	8	0.53
(1,719)	1:44:A:LEU:HD11	1:73:A:LYS:H	4	0.53
(1,719)	1:44:A:LEU:HD12	1:73:A:LYS:H	4	0.53
(1,719)	1:44:A:LEU:HD13	1:73:A:LYS:H	4	0.53
(1,718)	1:44:B:LEU:HD11	1:73:B:LYS:H	4	0.53
(1,718)	1:44:B:LEU:HD12	1:73:B:LYS:H	4	0.53
(1,718)	1:44:B:LEU:HD13	1:73:B:LYS:H	4	0.53
(1,630)	1:31:A:LYS:H	1:30:A:THR:HB	13	0.53
(1,629)	1:31:B:LYS:H	1:30:B:THR:HB	13	0.53
(1,559)	1:65:A:ILE:HD11	1:51:A:VAL:HA	15	0.53
(1,559)	1:65:A:ILE:HD12	1:51:A:VAL:HA	15	0.53
(1,559)	1:65:A:ILE:HD13	1:51:A:VAL:HA	15	0.53
(1,407)	1:80:A:VAL:HG21	1:45:A:LYS:HA	12	0.53
(1,407)	1:80:A:VAL:HG22	1:45:A:LYS:HA	12	0.53
(1,407)	1:80:A:VAL:HG23	1:45:A:LYS:HA	12	0.53
(1,341)	1:75:A:SER:H	1:75:A:SER:HB2	10	0.53
(1,340)	1:75:B:SER:H	1:75:B:SER:HB2	10	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,333)	1:62:A:THR:HG21	1:64:A:GLY:HA2	5	0.53
(1,333)	1:62:A:THR:HG22	1:64:A:GLY:HA2	5	0.53
(1,333)	1:62:A:THR:HG23	1:64:A:GLY:HA2	5	0.53
(1,333)	1:62:A:THR:HG21	1:64:A:GLY:HA2	7	0.53
(1,333)	1:62:A:THR:HG22	1:64:A:GLY:HA2	7	0.53
(1,333)	1:62:A:THR:HG23	1:64:A:GLY:HA2	7	0.53
(1,332)	1:62:B:THR:HG21	1:64:B:GLY:HA2	5	0.53
(1,332)	1:62:B:THR:HG22	1:64:B:GLY:HA2	5	0.53
(1,332)	1:62:B:THR:HG23	1:64:B:GLY:HA2	5	0.53
(1,332)	1:62:B:THR:HG21	1:64:B:GLY:HA2	9	0.53
(1,332)	1:62:B:THR:HG22	1:64:B:GLY:HA2	9	0.53
(1,332)	1:62:B:THR:HG23	1:64:B:GLY:HA2	9	0.53
(1,283)	1:100:B:ARG:H	1:99:B:ARG:H	11	0.53
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG3	14	0.53
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG3	14	0.53
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG3	14	0.53
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG3	15	0.53
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG3	15	0.53
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG3	15	0.53
(1,146)	1:69:A:TRP:HH2	1:95:B:LEU:H	10	0.53
(1,145)	1:69:B:TRP:HH2	1:95:A:LEU:H	13	0.53
(1,80)	1:88:B:ILE:HG12	1:52:A:ALA:HB1	20	0.53
(1,80)	1:88:B:ILE:HG12	1:52:A:ALA:HB2	20	0.53
(1,80)	1:88:B:ILE:HG12	1:52:A:ALA:HB3	20	0.53
(1,70)	1:92:A:LEU:HD21	1:82:B:ARG:HA	12	0.53
(1,70)	1:92:A:LEU:HD22	1:82:B:ARG:HA	12	0.53
(1,70)	1:92:A:LEU:HD23	1:82:B:ARG:HA	12	0.53
(1,44)	1:95:A:LEU:HA	1:74:B:LYS:HE3	18	0.53
(2,348)	1:47:B:PHE:HD1	1:41:B:ARG:HD2	15	0.52
(2,348)	1:47:B:PHE:HD2	1:41:B:ARG:HD2	15	0.52
(2,279)	1:47:A:PHE:HD1	1:41:A:ARG:HD2	15	0.52
(2,279)	1:47:A:PHE:HD2	1:41:A:ARG:HD2	15	0.52
(2,253)	1:48:A:MET:H	1:48:A:MET:HG3	17	0.52
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG3	9	0.52
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG3	9	0.52
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG3	9	0.52
(2,118)	1:76:B:LYS:H	1:73:B:LYS:HD2	3	0.52
(2,116)	1:59:B:ILE:HD11	1:60:B:PRO:HD2	17	0.52
(2,116)	1:59:B:ILE:HD12	1:60:B:PRO:HD2	17	0.52
(2,116)	1:59:B:ILE:HD13	1:60:B:PRO:HD2	17	0.52
(1,3382)	1:87:B:GLU:HB3	1:55:A:ARG:HG3	7	0.52
(1,3319)	1:71:A:THR:HG21	1:44:A:LEU:HA	17	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3319)	1:71:A:THR:HG22	1:44:A:LEU:HA	17	0.52
(1,3319)	1:71:A:THR:HG23	1:44:A:LEU:HA	17	0.52
(1,3318)	1:71:B:THR:HG21	1:44:B:LEU:HA	17	0.52
(1,3318)	1:71:B:THR:HG22	1:44:B:LEU:HA	17	0.52
(1,3318)	1:71:B:THR:HG23	1:44:B:LEU:HA	17	0.52
(1,3248)	1:26:A:VAL:HG21	1:27:A:GLN:HG3	11	0.52
(1,3248)	1:26:A:VAL:HG22	1:27:A:GLN:HG3	11	0.52
(1,3248)	1:26:A:VAL:HG23	1:27:A:GLN:HG3	11	0.52
(1,3228)	1:29:B:LEU:HD11	1:50:B:LEU:HG	14	0.52
(1,3228)	1:29:B:LEU:HD12	1:50:B:LEU:HG	14	0.52
(1,3228)	1:29:B:LEU:HD13	1:50:B:LEU:HG	14	0.52
(1,3227)	1:29:A:LEU:HD11	1:50:A:LEU:HG	14	0.52
(1,3227)	1:29:A:LEU:HD12	1:50:A:LEU:HG	14	0.52
(1,3227)	1:29:A:LEU:HD13	1:50:A:LEU:HG	14	0.52
(1,3224)	1:95:B:LEU:HD21	1:96:B:ASN:HB2	15	0.52
(1,3224)	1:95:B:LEU:HD22	1:96:B:ASN:HB2	15	0.52
(1,3224)	1:95:B:LEU:HD23	1:96:B:ASN:HB2	15	0.52
(1,3204)	1:97:B:ARG:HA	1:97:B:ARG:HD2	4	0.52
(1,3203)	1:97:A:ARG:HA	1:97:A:ARG:HD2	4	0.52
(1,3186)	1:76:B:LYS:HB2	1:76:B:LYS:HE2	3	0.52
(1,2688)	1:77:B:ALA:H	1:76:B:LYS:HE3	4	0.52
(1,2685)	1:46:B:LEU:H	1:47:B:PHE:HB2	17	0.52
(1,2684)	1:46:A:LEU:H	1:47:A:PHE:HB2	9	0.52
(1,2669)	1:88:B:ILE:HA	1:52:A:ALA:HA	7	0.52
(1,2668)	1:88:A:ILE:HA	1:52:B:ALA:HA	7	0.52
(1,2619)	1:87:B:GLU:H	1:90:B:ARG:HD2	20	0.52
(1,2598)	1:74:A:LYS:HB2	1:75:A:SER:HB2	6	0.52
(1,2597)	1:74:B:LYS:HB2	1:75:B:SER:HB2	6	0.52
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG11	7	0.52
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG12	7	0.52
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG13	7	0.52
(1,2386)	1:59:A:ILE:HD11	1:60:A:PRO:HD2	17	0.52
(1,2386)	1:59:A:ILE:HD12	1:60:A:PRO:HD2	17	0.52
(1,2386)	1:59:A:ILE:HD13	1:60:A:PRO:HD2	17	0.52
(1,2271)	1:23:B:VAL:HG11	1:23:B:VAL:HA	3	0.52
(1,2271)	1:23:B:VAL:HG12	1:23:B:VAL:HA	3	0.52
(1,2271)	1:23:B:VAL:HG13	1:23:B:VAL:HA	3	0.52
(1,2271)	1:23:B:VAL:HG11	1:23:B:VAL:HA	6	0.52
(1,2271)	1:23:B:VAL:HG12	1:23:B:VAL:HA	6	0.52
(1,2271)	1:23:B:VAL:HG13	1:23:B:VAL:HA	6	0.52
(1,2211)	1:24:A:SER:HB3	1:23:A:VAL:HB	8	0.52
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD1	18	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD2	18	0.52
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD1	18	0.52
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD2	18	0.52
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD1	18	0.52
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD2	18	0.52
(1,2059)	1:57:B:LEU:HD21	1:46:A:LEU:H	13	0.52
(1,2059)	1:57:B:LEU:HD22	1:46:A:LEU:H	13	0.52
(1,2059)	1:57:B:LEU:HD23	1:46:A:LEU:H	13	0.52
(1,2046)	1:67:A:LYS:H	1:67:A:LYS:HD2	4	0.52
(1,1956)	1:98:B:ARG:HD2	1:74:A:LYS:HG2	2	0.52
(1,1912)	1:94:A:ILE:HG21	1:97:A:ARG:H	15	0.52
(1,1912)	1:94:A:ILE:HG22	1:97:A:ARG:H	15	0.52
(1,1912)	1:94:A:ILE:HG23	1:97:A:ARG:H	15	0.52
(1,1911)	1:94:B:ILE:HG21	1:97:B:ARG:H	15	0.52
(1,1911)	1:94:B:ILE:HG22	1:97:B:ARG:H	15	0.52
(1,1911)	1:94:B:ILE:HG23	1:97:B:ARG:H	15	0.52
(1,1836)	1:65:B:ILE:HG21	1:51:B:VAL:HA	4	0.52
(1,1836)	1:65:B:ILE:HG22	1:51:B:VAL:HA	4	0.52
(1,1836)	1:65:B:ILE:HG23	1:51:B:VAL:HA	4	0.52
(1,1835)	1:65:A:ILE:HG21	1:51:A:VAL:HA	4	0.52
(1,1835)	1:65:A:ILE:HG22	1:51:A:VAL:HA	4	0.52
(1,1835)	1:65:A:ILE:HG23	1:51:A:VAL:HA	4	0.52
(1,1801)	1:84:A:PHE:HD1	1:85:A:ARG:HA	8	0.52
(1,1801)	1:84:A:PHE:HD2	1:85:A:ARG:HA	8	0.52
(1,1800)	1:84:B:PHE:HD1	1:85:B:ARG:HA	8	0.52
(1,1800)	1:84:B:PHE:HD2	1:85:B:ARG:HA	8	0.52
(1,1799)	1:84:B:PHE:HD1	1:85:A:ARG:HA	11	0.52
(1,1799)	1:84:B:PHE:HD2	1:85:A:ARG:HA	11	0.52
(1,1633)	1:48:B:MET:H	1:48:B:MET:HG2	5	0.52
(1,1633)	1:48:B:MET:H	1:48:B:MET:HG3	17	0.52
(1,1482)	1:41:B:ARG:H	1:39:B:GLN:H	9	0.52
(1,1429)	1:72:A:ILE:HB	1:72:A:ILE:HA	13	0.52
(1,1428)	1:72:B:ILE:HB	1:72:B:ILE:HA	13	0.52
(1,1422)	1:44:A:LEU:HD11	1:72:A:ILE:HA	8	0.52
(1,1422)	1:44:A:LEU:HD12	1:72:A:ILE:HA	8	0.52
(1,1422)	1:44:A:LEU:HD13	1:72:A:ILE:HA	8	0.52
(1,1337)	1:95:A:LEU:HD11	1:94:A:ILE:H	7	0.52
(1,1337)	1:95:A:LEU:HD12	1:94:A:ILE:H	7	0.52
(1,1337)	1:95:A:LEU:HD13	1:94:A:ILE:H	7	0.52
(1,1336)	1:95:B:LEU:HD11	1:94:B:ILE:H	7	0.52
(1,1336)	1:95:B:LEU:HD12	1:94:B:ILE:H	7	0.52
(1,1336)	1:95:B:LEU:HD13	1:94:B:ILE:H	7	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1336)	1:95:B:LEU:HD11	1:94:B:ILE:H	17	0.52
(1,1336)	1:95:B:LEU:HD12	1:94:B:ILE:H	17	0.52
(1,1336)	1:95:B:LEU:HD13	1:94:B:ILE:H	17	0.52
(1,1263)	1:42:B:GLY:HA2	1:43:B:PRO:HD3	11	0.52
(1,1262)	1:42:A:GLY:HA2	1:43:A:PRO:HD3	11	0.52
(1,962)	1:79:B:ASN:HA	1:79:B:ASN:HB3	3	0.52
(1,962)	1:79:B:ASN:HA	1:79:B:ASN:HB3	4	0.52
(1,962)	1:79:B:ASN:HA	1:79:B:ASN:HB3	14	0.52
(1,826)	1:22:B:ARG:HG2	1:27:B:GLN:HA	8	0.52
(1,759)	1:22:A:ARG:HG3	1:22:A:ARG:H	1	0.52
(1,758)	1:22:B:ARG:HG3	1:22:B:ARG:H	1	0.52
(1,693)	1:54:B:LEU:HA	1:58:B:THR:H	13	0.52
(1,692)	1:54:A:LEU:HA	1:58:A:THR:H	13	0.52
(1,558)	1:65:B:ILE:HD11	1:51:B:VAL:HA	15	0.52
(1,558)	1:65:B:ILE:HD12	1:51:B:VAL:HA	15	0.52
(1,558)	1:65:B:ILE:HD13	1:51:B:VAL:HA	15	0.52
(1,547)	1:70:B:GLY:H	1:68:B:ARG:HE	9	0.52
(1,546)	1:70:A:GLY:H	1:68:A:ARG:HE	9	0.52
(1,333)	1:62:A:THR:HG21	1:64:A:GLY:HA2	9	0.52
(1,333)	1:62:A:THR:HG22	1:64:A:GLY:HA2	9	0.52
(1,333)	1:62:A:THR:HG23	1:64:A:GLY:HA2	9	0.52
(1,282)	1:100:A:ARG:H	1:99:A:ARG:H	11	0.52
(1,279)	1:41:B:ARG:H	1:38:B:LEU:HA	3	0.52
(1,278)	1:41:A:ARG:H	1:38:A:LEU:HA	3	0.52
(1,252)	1:24:A:SER:HB3	1:23:A:VAL:HB	8	0.52
(1,165)	1:69:A:TRP:HH2	1:95:B:LEU:HG	1	0.52
(1,154)	1:71:A:THR:HG21	1:42:A:GLY:HA2	20	0.52
(1,154)	1:71:A:THR:HG22	1:42:A:GLY:HA2	20	0.52
(1,154)	1:71:A:THR:HG23	1:42:A:GLY:HA2	20	0.52
(1,70)	1:92:A:LEU:HD21	1:82:B:ARG:HA	13	0.52
(1,70)	1:92:A:LEU:HD22	1:82:B:ARG:HA	13	0.52
(1,70)	1:92:A:LEU:HD23	1:82:B:ARG:HA	13	0.52
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG21	12	0.52
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG22	12	0.52
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG23	12	0.52
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG21	12	0.52
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG22	12	0.52
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG23	12	0.52
(2,300)	1:27:A:GLN:HB2	1:25:A:THR:H	5	0.51
(2,253)	1:48:A:MET:H	1:48:A:MET:HG3	3	0.51
(2,253)	1:48:A:MET:H	1:48:A:MET:HG2	5	0.51
(2,253)	1:48:A:MET:H	1:48:A:MET:HG2	16	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,201)	1:67:B:LYS:H	1:67:B:LYS:HD2	4	0.51
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG3	2	0.51
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG3	2	0.51
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG3	2	0.51
(2,30)	1:39:A:GLN:HB3	1:41:A:ARG:HD2	10	0.51
(2,26)	1:47:A:PHE:HD1	1:48:A:MET:HG2	20	0.51
(2,26)	1:47:A:PHE:HD2	1:48:A:MET:HG2	20	0.51
(2,25)	1:47:B:PHE:HD1	1:48:B:MET:HG2	20	0.51
(2,25)	1:47:B:PHE:HD2	1:48:B:MET:HG2	20	0.51
(1,3439)	1:81:B:LEU:HA	1:82:B:ARG:HA	9	0.51
(1,3438)	1:81:A:LEU:HA	1:82:A:ARG:HA	9	0.51
(1,3438)	1:81:A:LEU:HA	1:82:A:ARG:HA	19	0.51
(1,3383)	1:87:A:GLU:HB3	1:55:B:ARG:HG3	7	0.51
(1,3225)	1:95:A:LEU:HD21	1:96:A:ASN:HB2	4	0.51
(1,3225)	1:95:A:LEU:HD22	1:96:A:ASN:HB2	4	0.51
(1,3225)	1:95:A:LEU:HD23	1:96:A:ASN:HB2	4	0.51
(1,3224)	1:95:B:LEU:HD21	1:96:B:ASN:HB2	4	0.51
(1,3224)	1:95:B:LEU:HD22	1:96:B:ASN:HB2	4	0.51
(1,3224)	1:95:B:LEU:HD23	1:96:B:ASN:HB2	4	0.51
(1,3202)	1:41:B:ARG:HB3	1:47:B:PHE:HB3	16	0.51
(1,3201)	1:41:A:ARG:HB3	1:47:A:PHE:HB3	16	0.51
(1,3098)	1:65:A:ILE:HD11	1:25:A:THR:HB	6	0.51
(1,3098)	1:65:A:ILE:HD12	1:25:A:THR:HB	6	0.51
(1,3098)	1:65:A:ILE:HD13	1:25:A:THR:HB	6	0.51
(1,3097)	1:65:B:ILE:HD11	1:25:B:THR:HB	6	0.51
(1,3097)	1:65:B:ILE:HD12	1:25:B:THR:HB	6	0.51
(1,3097)	1:65:B:ILE:HD13	1:25:B:THR:HB	6	0.51
(1,2966)	1:80:A:VAL:HG21	1:84:A:PHE:HB2	16	0.51
(1,2966)	1:80:A:VAL:HG22	1:84:A:PHE:HB2	16	0.51
(1,2966)	1:80:A:VAL:HG23	1:84:A:PHE:HB2	16	0.51
(1,2806)	1:23:B:VAL:HG21	1:24:B:SER:HA	13	0.51
(1,2806)	1:23:B:VAL:HG22	1:24:B:SER:HA	13	0.51
(1,2806)	1:23:B:VAL:HG23	1:24:B:SER:HA	13	0.51
(1,2786)	1:94:B:ILE:HG21	1:74:A:LYS:HD3	20	0.51
(1,2786)	1:94:B:ILE:HG22	1:74:A:LYS:HD3	20	0.51
(1,2786)	1:94:B:ILE:HG23	1:74:A:LYS:HD3	20	0.51
(1,2754)	1:76:A:LYS:H	1:73:A:LYS:HD2	3	0.51
(1,2722)	1:65:B:ILE:HD11	1:25:B:THR:HA	6	0.51
(1,2722)	1:65:B:ILE:HD12	1:25:B:THR:HA	6	0.51
(1,2722)	1:65:B:ILE:HD13	1:25:B:THR:HA	6	0.51
(1,2721)	1:65:A:ILE:HD11	1:25:A:THR:HA	6	0.51
(1,2721)	1:65:A:ILE:HD12	1:25:A:THR:HA	6	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2721)	1:65:A:ILE:HD13	1:25:A:THR:HA	6	0.51
(1,2685)	1:46:B:LEU:H	1:47:B:PHE:HB2	9	0.51
(1,2684)	1:46:A:LEU:H	1:47:A:PHE:HB2	5	0.51
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD11	5	0.51
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD12	5	0.51
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD13	5	0.51
(1,2462)	1:43:A:PRO:HB2	1:43:A:PRO:HD2	12	0.51
(1,2461)	1:43:B:PRO:HB2	1:43:B:PRO:HD2	12	0.51
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG11	11	0.51
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG12	11	0.51
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG13	11	0.51
(1,2271)	1:23:B:VAL:HG11	1:23:B:VAL:HA	1	0.51
(1,2271)	1:23:B:VAL:HG12	1:23:B:VAL:HA	1	0.51
(1,2271)	1:23:B:VAL:HG13	1:23:B:VAL:HA	1	0.51
(1,2271)	1:23:B:VAL:HG11	1:23:B:VAL:HA	7	0.51
(1,2271)	1:23:B:VAL:HG12	1:23:B:VAL:HA	7	0.51
(1,2271)	1:23:B:VAL:HG13	1:23:B:VAL:HA	7	0.51
(1,2271)	1:23:B:VAL:HG11	1:23:B:VAL:HA	10	0.51
(1,2271)	1:23:B:VAL:HG12	1:23:B:VAL:HA	10	0.51
(1,2271)	1:23:B:VAL:HG13	1:23:B:VAL:HA	10	0.51
(1,2271)	1:23:B:VAL:HG11	1:23:B:VAL:HA	14	0.51
(1,2271)	1:23:B:VAL:HG12	1:23:B:VAL:HA	14	0.51
(1,2271)	1:23:B:VAL:HG13	1:23:B:VAL:HA	14	0.51
(1,2271)	1:23:B:VAL:HG11	1:23:B:VAL:HA	15	0.51
(1,2271)	1:23:B:VAL:HG12	1:23:B:VAL:HA	15	0.51
(1,2271)	1:23:B:VAL:HG13	1:23:B:VAL:HA	15	0.51
(1,2271)	1:23:B:VAL:HG11	1:23:B:VAL:HA	16	0.51
(1,2271)	1:23:B:VAL:HG12	1:23:B:VAL:HA	16	0.51
(1,2271)	1:23:B:VAL:HG13	1:23:B:VAL:HA	16	0.51
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD21	8	0.51
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD22	8	0.51
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD23	8	0.51
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD21	8	0.51
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD22	8	0.51
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD23	8	0.51
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD11	1	0.51
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD12	1	0.51
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD13	1	0.51
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD11	1	0.51
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD12	1	0.51
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD13	1	0.51
(1,2210)	1:24:B:SER:HB3	1:23:B:VAL:HB	8	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD21	8	0.51
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD22	8	0.51
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD23	8	0.51
(1,2096)	1:23:B:VAL:HG11	1:24:B:SER:H	15	0.51
(1,2096)	1:23:B:VAL:HG12	1:24:B:SER:H	15	0.51
(1,2096)	1:23:B:VAL:HG13	1:24:B:SER:H	15	0.51
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD11	5	0.51
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD12	5	0.51
(1,2053)	1:69:B:TRP:HA	1:66:B:LEU:HD13	5	0.51
(1,1735)	1:72:A:ILE:HG13	1:72:A:ILE:HA	3	0.51
(1,1734)	1:72:B:ILE:HG13	1:72:B:ILE:HA	3	0.51
(1,1633)	1:48:B:MET:H	1:48:B:MET:HG3	3	0.51
(1,1633)	1:48:B:MET:H	1:48:B:MET:HG2	16	0.51
(1,1633)	1:48:B:MET:H	1:48:B:MET:HG3	20	0.51
(1,1481)	1:41:A:ARG:H	1:39:A:GLN:H	9	0.51
(1,1429)	1:72:A:ILE:HB	1:72:A:ILE:HA	1	0.51
(1,1429)	1:72:A:ILE:HB	1:72:A:ILE:HA	10	0.51
(1,1428)	1:72:B:ILE:HB	1:72:B:ILE:HA	1	0.51
(1,1428)	1:72:B:ILE:HB	1:72:B:ILE:HA	10	0.51
(1,1423)	1:44:B:LEU:HD11	1:72:B:ILE:HA	3	0.51
(1,1423)	1:44:B:LEU:HD12	1:72:B:ILE:HA	3	0.51
(1,1423)	1:44:B:LEU:HD13	1:72:B:ILE:HA	3	0.51
(1,1423)	1:44:B:LEU:HD11	1:72:B:ILE:HA	8	0.51
(1,1423)	1:44:B:LEU:HD12	1:72:B:ILE:HA	8	0.51
(1,1423)	1:44:B:LEU:HD13	1:72:B:ILE:HA	8	0.51
(1,1422)	1:44:A:LEU:HD11	1:72:A:ILE:HA	3	0.51
(1,1422)	1:44:A:LEU:HD12	1:72:A:ILE:HA	3	0.51
(1,1422)	1:44:A:LEU:HD13	1:72:A:ILE:HA	3	0.51
(1,1420)	1:95:A:LEU:HD11	1:74:B:LYS:HA	2	0.51
(1,1420)	1:95:A:LEU:HD12	1:74:B:LYS:HA	2	0.51
(1,1420)	1:95:A:LEU:HD13	1:74:B:LYS:HA	2	0.51
(1,1337)	1:95:A:LEU:HD11	1:94:A:ILE:H	5	0.51
(1,1337)	1:95:A:LEU:HD12	1:94:A:ILE:H	5	0.51
(1,1337)	1:95:A:LEU:HD13	1:94:A:ILE:H	5	0.51
(1,1337)	1:95:A:LEU:HD11	1:94:A:ILE:H	9	0.51
(1,1337)	1:95:A:LEU:HD12	1:94:A:ILE:H	9	0.51
(1,1337)	1:95:A:LEU:HD13	1:94:A:ILE:H	9	0.51
(1,1337)	1:95:A:LEU:HD11	1:94:A:ILE:H	17	0.51
(1,1337)	1:95:A:LEU:HD12	1:94:A:ILE:H	17	0.51
(1,1337)	1:95:A:LEU:HD13	1:94:A:ILE:H	17	0.51
(1,1336)	1:95:B:LEU:HD11	1:94:B:ILE:H	9	0.51
(1,1336)	1:95:B:LEU:HD12	1:94:B:ILE:H	9	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1336)	1:95:B:LEU:HD13	1:94:B:ILE:H	9	0.51
(1,1311)	1:95:A:LEU:HD11	1:69:B:TRP:HH2	9	0.51
(1,1311)	1:95:A:LEU:HD12	1:69:B:TRP:HH2	9	0.51
(1,1311)	1:95:A:LEU:HD13	1:69:B:TRP:HH2	9	0.51
(1,1249)	1:25:B:THR:HG21	1:28:B:GLN:H	4	0.51
(1,1249)	1:25:B:THR:HG22	1:28:B:GLN:H	4	0.51
(1,1249)	1:25:B:THR:HG23	1:28:B:GLN:H	4	0.51
(1,1234)	1:46:B:LEU:H	1:43:B:PRO:HB3	3	0.51
(1,1233)	1:46:A:LEU:H	1:43:A:PRO:HB3	3	0.51
(1,1189)	1:75:B:SER:HB3	1:73:B:LYS:HE2	1	0.51
(1,1188)	1:75:A:SER:HB3	1:73:A:LYS:HE2	1	0.51
(1,1063)	1:27:A:GLN:H	1:29:A:LEU:H	1	0.51
(1,1063)	1:27:A:GLN:H	1:29:A:LEU:H	7	0.51
(1,1062)	1:27:B:GLN:H	1:29:B:LEU:H	1	0.51
(1,1062)	1:27:B:GLN:H	1:29:B:LEU:H	7	0.51
(1,917)	1:69:A:TRP:HZ2	1:95:B:LEU:HG	19	0.51
(1,916)	1:69:B:TRP:HZ2	1:95:A:LEU:HG	1	0.51
(1,916)	1:69:B:TRP:HZ2	1:95:A:LEU:HG	19	0.51
(1,788)	1:57:B:LEU:HD21	1:49:A:ALA:H	3	0.51
(1,788)	1:57:B:LEU:HD22	1:49:A:ALA:H	3	0.51
(1,788)	1:57:B:LEU:HD23	1:49:A:ALA:H	3	0.51
(1,787)	1:57:A:LEU:HD21	1:49:B:ALA:H	3	0.51
(1,787)	1:57:A:LEU:HD22	1:49:B:ALA:H	3	0.51
(1,787)	1:57:A:LEU:HD23	1:49:B:ALA:H	3	0.51
(1,711)	1:66:B:LEU:H	1:64:B:GLY:H	10	0.51
(1,710)	1:66:A:LEU:H	1:64:A:GLY:H	10	0.51
(1,663)	1:62:A:THR:H	1:66:A:LEU:H	2	0.51
(1,662)	1:62:B:THR:H	1:66:B:LEU:H	2	0.51
(1,319)	1:49:A:ALA:HB1	1:84:A:PHE:HD1	20	0.51
(1,319)	1:49:A:ALA:HB1	1:84:A:PHE:HD2	20	0.51
(1,319)	1:49:A:ALA:HB2	1:84:A:PHE:HD1	20	0.51
(1,319)	1:49:A:ALA:HB2	1:84:A:PHE:HD2	20	0.51
(1,319)	1:49:A:ALA:HB3	1:84:A:PHE:HD1	20	0.51
(1,319)	1:49:A:ALA:HB3	1:84:A:PHE:HD2	20	0.51
(1,318)	1:49:B:ALA:HB1	1:84:B:PHE:HD1	20	0.51
(1,318)	1:49:B:ALA:HB1	1:84:B:PHE:HD2	20	0.51
(1,318)	1:49:B:ALA:HB2	1:84:B:PHE:HD1	20	0.51
(1,318)	1:49:B:ALA:HB2	1:84:B:PHE:HD2	20	0.51
(1,318)	1:49:B:ALA:HB3	1:84:B:PHE:HD1	20	0.51
(1,318)	1:49:B:ALA:HB3	1:84:B:PHE:HD2	20	0.51
(1,251)	1:24:B:SER:HB3	1:23:B:VAL:HB	8	0.51
(1,218)	1:65:A:ILE:HD11	1:54:A:LEU:HG	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,218)	1:65:A:ILE:HD12	1:54:A:LEU:HG	5	0.51
(1,218)	1:65:A:ILE:HD13	1:54:A:LEU:HG	5	0.51
(1,217)	1:65:B:ILE:HD11	1:54:B:LEU:HG	5	0.51
(1,217)	1:65:B:ILE:HD12	1:54:B:LEU:HG	5	0.51
(1,217)	1:65:B:ILE:HD13	1:54:B:LEU:HG	5	0.51
(1,187)	1:39:B:GLN:HB3	1:41:B:ARG:HD2	10	0.51
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG3	9	0.51
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG3	9	0.51
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG3	9	0.51
(1,155)	1:71:B:THR:HG21	1:42:B:GLY:HA2	20	0.51
(1,155)	1:71:B:THR:HG22	1:42:B:GLY:HA2	20	0.51
(1,155)	1:71:B:THR:HG23	1:42:B:GLY:HA2	20	0.51
(1,149)	1:49:A:ALA:HB1	1:57:B:LEU:H	5	0.51
(1,149)	1:49:A:ALA:HB2	1:57:B:LEU:H	5	0.51
(1,149)	1:49:A:ALA:HB3	1:57:B:LEU:H	5	0.51
(1,146)	1:69:A:TRP:HH2	1:95:B:LEU:H	19	0.51
(1,145)	1:69:B:TRP:HH2	1:95:A:LEU:H	19	0.51
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD1	13	0.51
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD2	13	0.51
(1,94)	1:57:B:LEU:HD21	1:49:A:ALA:HA	12	0.51
(1,94)	1:57:B:LEU:HD22	1:49:A:ALA:HA	12	0.51
(1,94)	1:57:B:LEU:HD23	1:49:A:ALA:HA	12	0.51
(1,71)	1:92:B:LEU:HD21	1:82:A:ARG:HA	5	0.51
(1,71)	1:92:B:LEU:HD22	1:82:A:ARG:HA	5	0.51
(1,71)	1:92:B:LEU:HD23	1:82:A:ARG:HA	5	0.51
(1,31)	1:95:A:LEU:HD11	1:74:B:LYS:HA	2	0.51
(1,31)	1:95:A:LEU:HD12	1:74:B:LYS:HA	2	0.51
(1,31)	1:95:A:LEU:HD13	1:74:B:LYS:HA	2	0.51
(2,253)	1:48:A:MET:H	1:48:A:MET:HG3	10	0.5
(2,253)	1:48:A:MET:H	1:48:A:MET:HG3	20	0.5
(2,26)	1:47:A:PHE:HD1	1:48:A:MET:HG2	17	0.5
(2,26)	1:47:A:PHE:HD2	1:48:A:MET:HG2	17	0.5
(2,25)	1:47:B:PHE:HD1	1:48:B:MET:HG2	17	0.5
(2,25)	1:47:B:PHE:HD2	1:48:B:MET:HG2	17	0.5
(1,3439)	1:81:B:LEU:HA	1:82:B:ARG:HA	14	0.5
(1,3439)	1:81:B:LEU:HA	1:82:B:ARG:HA	16	0.5
(1,3439)	1:81:B:LEU:HA	1:82:B:ARG:HA	19	0.5
(1,3438)	1:81:A:LEU:HA	1:82:A:ARG:HA	14	0.5
(1,3438)	1:81:A:LEU:HA	1:82:A:ARG:HA	16	0.5
(1,3397)	1:74:A:LYS:H	1:73:A:LYS:HD2	10	0.5
(1,3396)	1:74:B:LYS:H	1:73:B:LYS:HD2	10	0.5
(1,3386)	1:77:A:ALA:HB1	1:95:B:LEU:HB2	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3386)	1:77:A:ALA:HB2	1:95:B:LEU:HB2	1	0.5
(1,3386)	1:77:A:ALA:HB3	1:95:B:LEU:HB2	1	0.5
(1,3319)	1:71:A:THR:HG21	1:44:A:LEU:HA	18	0.5
(1,3319)	1:71:A:THR:HG22	1:44:A:LEU:HA	18	0.5
(1,3319)	1:71:A:THR:HG23	1:44:A:LEU:HA	18	0.5
(1,3229)	1:29:A:LEU:HD21	1:50:A:LEU:HG	16	0.5
(1,3229)	1:29:A:LEU:HD22	1:50:A:LEU:HG	16	0.5
(1,3229)	1:29:A:LEU:HD23	1:50:A:LEU:HG	16	0.5
(1,3198)	1:48:B:MET:HB2	1:47:B:PHE:HB2	8	0.5
(1,3197)	1:48:A:MET:HB2	1:47:A:PHE:HB2	8	0.5
(1,2685)	1:46:B:LEU:H	1:47:B:PHE:HB2	5	0.5
(1,2675)	1:69:B:TRP:HH2	1:47:B:PHE:HE1	6	0.5
(1,2675)	1:69:B:TRP:HH2	1:47:B:PHE:HE2	6	0.5
(1,2674)	1:69:A:TRP:HH2	1:47:A:PHE:HE1	6	0.5
(1,2674)	1:69:A:TRP:HH2	1:47:A:PHE:HE2	6	0.5
(1,2669)	1:88:B:ILE:HA	1:52:A:ALA:HA	13	0.5
(1,2655)	1:28:B:GLN:HB3	1:31:B:LYS:HE3	4	0.5
(1,2644)	1:78:B:ILE:HD11	1:96:A:ASN:HD21	14	0.5
(1,2644)	1:78:B:ILE:HD12	1:96:A:ASN:HD21	14	0.5
(1,2644)	1:78:B:ILE:HD13	1:96:A:ASN:HD21	14	0.5
(1,2554)	1:94:A:ILE:HG13	1:93:A:ASN:HB3	3	0.5
(1,2553)	1:94:B:ILE:HG13	1:93:B:ASN:HB3	3	0.5
(1,2480)	1:87:B:GLU:HA	1:86:B:LYS:HG3	8	0.5
(1,2479)	1:87:A:GLU:HA	1:86:A:LYS:HG3	8	0.5
(1,2271)	1:23:B:VAL:HG11	1:23:B:VAL:HA	2	0.5
(1,2271)	1:23:B:VAL:HG12	1:23:B:VAL:HA	2	0.5
(1,2271)	1:23:B:VAL:HG13	1:23:B:VAL:HA	2	0.5
(1,2271)	1:23:B:VAL:HG11	1:23:B:VAL:HA	5	0.5
(1,2271)	1:23:B:VAL:HG12	1:23:B:VAL:HA	5	0.5
(1,2271)	1:23:B:VAL:HG13	1:23:B:VAL:HA	5	0.5
(1,2271)	1:23:B:VAL:HG11	1:23:B:VAL:HA	8	0.5
(1,2271)	1:23:B:VAL:HG12	1:23:B:VAL:HA	8	0.5
(1,2271)	1:23:B:VAL:HG13	1:23:B:VAL:HA	8	0.5
(1,2271)	1:23:B:VAL:HG11	1:23:B:VAL:HA	11	0.5
(1,2271)	1:23:B:VAL:HG12	1:23:B:VAL:HA	11	0.5
(1,2271)	1:23:B:VAL:HG13	1:23:B:VAL:HA	11	0.5
(1,2271)	1:23:B:VAL:HG11	1:23:B:VAL:HA	12	0.5
(1,2271)	1:23:B:VAL:HG12	1:23:B:VAL:HA	12	0.5
(1,2271)	1:23:B:VAL:HG13	1:23:B:VAL:HA	12	0.5
(1,2271)	1:23:B:VAL:HG11	1:23:B:VAL:HA	17	0.5
(1,2271)	1:23:B:VAL:HG12	1:23:B:VAL:HA	17	0.5
(1,2271)	1:23:B:VAL:HG13	1:23:B:VAL:HA	17	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2227)	1:61:B:PRO:HD3	1:61:B:PRO:HA	10	0.5
(1,2226)	1:61:A:PRO:HD3	1:61:A:PRO:HA	10	0.5
(1,2154)	1:69:A:TRP:HB3	1:72:A:ILE:HA	3	0.5
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD21	8	0.5
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD22	8	0.5
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD23	8	0.5
(1,2073)	1:85:B:ARG:HB2	1:85:A:ARG:HD2	8	0.5
(1,2072)	1:85:A:ARG:HB2	1:85:B:ARG:HD2	8	0.5
(1,2040)	1:71:A:THR:HG21	1:43:A:PRO:HD2	12	0.5
(1,2040)	1:71:A:THR:HG22	1:43:A:PRO:HD2	12	0.5
(1,2040)	1:71:A:THR:HG23	1:43:A:PRO:HD2	12	0.5
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE1	6	0.5
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE2	6	0.5
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE1	6	0.5
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE2	6	0.5
(1,1983)	1:59:A:ILE:H	1:59:A:ILE:HB	6	0.5
(1,1956)	1:98:B:ARG:HD2	1:74:A:LYS:HG2	20	0.5
(1,1912)	1:94:A:ILE:HG21	1:97:A:ARG:H	7	0.5
(1,1912)	1:94:A:ILE:HG22	1:97:A:ARG:H	7	0.5
(1,1912)	1:94:A:ILE:HG23	1:97:A:ARG:H	7	0.5
(1,1911)	1:94:B:ILE:HG21	1:97:B:ARG:H	7	0.5
(1,1911)	1:94:B:ILE:HG22	1:97:B:ARG:H	7	0.5
(1,1911)	1:94:B:ILE:HG23	1:97:B:ARG:H	7	0.5
(1,1799)	1:84:B:PHE:HD1	1:85:A:ARG:HA	8	0.5
(1,1799)	1:84:B:PHE:HD2	1:85:A:ARG:HA	8	0.5
(1,1798)	1:84:A:PHE:HD1	1:85:B:ARG:HA	8	0.5
(1,1798)	1:84:A:PHE:HD2	1:85:B:ARG:HA	8	0.5
(1,1754)	1:57:A:LEU:HB2	1:54:A:LEU:HA	7	0.5
(1,1753)	1:57:B:LEU:HB2	1:54:B:LEU:HA	7	0.5
(1,1748)	1:88:A:ILE:HG21	1:86:A:LYS:H	8	0.5
(1,1748)	1:88:A:ILE:HG22	1:86:A:LYS:H	8	0.5
(1,1748)	1:88:A:ILE:HG23	1:86:A:LYS:H	8	0.5
(1,1709)	1:72:B:ILE:HD11	1:44:B:LEU:HD21	18	0.5
(1,1709)	1:72:B:ILE:HD11	1:44:B:LEU:HD22	18	0.5
(1,1709)	1:72:B:ILE:HD11	1:44:B:LEU:HD23	18	0.5
(1,1709)	1:72:B:ILE:HD12	1:44:B:LEU:HD21	18	0.5
(1,1709)	1:72:B:ILE:HD12	1:44:B:LEU:HD22	18	0.5
(1,1709)	1:72:B:ILE:HD12	1:44:B:LEU:HD23	18	0.5
(1,1709)	1:72:B:ILE:HD13	1:44:B:LEU:HD21	18	0.5
(1,1709)	1:72:B:ILE:HD13	1:44:B:LEU:HD22	18	0.5
(1,1709)	1:72:B:ILE:HD13	1:44:B:LEU:HD23	18	0.5
(1,1708)	1:72:A:ILE:HD11	1:44:A:LEU:HD21	18	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1708)	1:72:A:ILE:HD11	1:44:A:LEU:HD22	18	0.5
(1,1708)	1:72:A:ILE:HD11	1:44:A:LEU:HD23	18	0.5
(1,1708)	1:72:A:ILE:HD12	1:44:A:LEU:HD21	18	0.5
(1,1708)	1:72:A:ILE:HD12	1:44:A:LEU:HD22	18	0.5
(1,1708)	1:72:A:ILE:HD12	1:44:A:LEU:HD23	18	0.5
(1,1708)	1:72:A:ILE:HD13	1:44:A:LEU:HD21	18	0.5
(1,1708)	1:72:A:ILE:HD13	1:44:A:LEU:HD22	18	0.5
(1,1708)	1:72:A:ILE:HD13	1:44:A:LEU:HD23	18	0.5
(1,1633)	1:48:B:MET:H	1:48:B:MET:HG3	10	0.5
(1,1595)	1:85:B:ARG:HB2	1:85:A:ARG:HD2	8	0.5
(1,1594)	1:85:A:ARG:HB2	1:85:B:ARG:HD2	8	0.5
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD21	15	0.5
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD22	15	0.5
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD23	15	0.5
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD21	15	0.5
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD22	15	0.5
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD23	15	0.5
(1,1483)	1:69:B:TRP:HD1	1:68:B:ARG:HA	18	0.5
(1,1429)	1:72:A:ILE:HB	1:72:A:ILE:HA	11	0.5
(1,1429)	1:72:A:ILE:HB	1:72:A:ILE:HA	12	0.5
(1,1428)	1:72:B:ILE:HB	1:72:B:ILE:HA	11	0.5
(1,1428)	1:72:B:ILE:HB	1:72:B:ILE:HA	12	0.5
(1,1337)	1:95:A:LEU:HD11	1:94:A:ILE:H	15	0.5
(1,1337)	1:95:A:LEU:HD12	1:94:A:ILE:H	15	0.5
(1,1337)	1:95:A:LEU:HD13	1:94:A:ILE:H	15	0.5
(1,1336)	1:95:B:LEU:HD11	1:94:B:ILE:H	5	0.5
(1,1336)	1:95:B:LEU:HD12	1:94:B:ILE:H	5	0.5
(1,1336)	1:95:B:LEU:HD13	1:94:B:ILE:H	5	0.5
(1,1248)	1:25:A:THR:HG21	1:28:A:GLN:H	4	0.5
(1,1248)	1:25:A:THR:HG22	1:28:A:GLN:H	4	0.5
(1,1248)	1:25:A:THR:HG23	1:28:A:GLN:H	4	0.5
(1,1187)	1:85:A:ARG:HB2	1:85:B:ARG:HD2	8	0.5
(1,1186)	1:85:B:ARG:HB2	1:85:A:ARG:HD2	8	0.5
(1,1063)	1:27:A:GLN:H	1:29:A:LEU:H	13	0.5
(1,1062)	1:27:B:GLN:H	1:29:B:LEU:H	13	0.5
(1,1009)	1:91:A:MET:HG2	1:92:A:LEU:H	10	0.5
(1,917)	1:69:A:TRP:HZ2	1:95:B:LEU:HG	2	0.5
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD21	16	0.5
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD22	16	0.5
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD23	16	0.5
(1,711)	1:66:B:LEU:H	1:64:B:GLY:H	1	0.5
(1,710)	1:66:A:LEU:H	1:64:A:GLY:H	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,663)	1:62:A:THR:H	1:66:A:LEU:H	6	0.5
(1,662)	1:62:B:THR:H	1:66:B:LEU:H	6	0.5
(1,146)	1:69:A:TRP:HH2	1:95:B:LEU:H	13	0.5
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD1	9	0.5
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD2	9	0.5
(2,266)	1:22:B:ARG:HB2	1:22:B:ARG:HD2	5	0.49
(2,201)	1:67:B:LYS:H	1:67:B:LYS:HD2	6	0.49
(2,124)	1:93:A:ASN:HD21	1:93:A:ASN:H	10	0.49
(2,122)	1:28:A:GLN:HB3	1:31:A:LYS:HE3	4	0.49
(2,114)	1:69:B:TRP:HB3	1:72:B:ILE:HA	3	0.49
(1,3439)	1:81:B:LEU:HA	1:82:B:ARG:HA	1	0.49
(1,3439)	1:81:B:LEU:HA	1:82:B:ARG:HA	6	0.49
(1,3438)	1:81:A:LEU:HA	1:82:A:ARG:HA	1	0.49
(1,3387)	1:77:B:ALA:HB1	1:95:A:LEU:HB2	1	0.49
(1,3387)	1:77:B:ALA:HB2	1:95:A:LEU:HB2	1	0.49
(1,3387)	1:77:B:ALA:HB3	1:95:A:LEU:HB2	1	0.49
(1,3382)	1:87:B:GLU:HB3	1:55:A:ARG:HG3	10	0.49
(1,3319)	1:71:A:THR:HG21	1:44:A:LEU:HA	9	0.49
(1,3319)	1:71:A:THR:HG22	1:44:A:LEU:HA	9	0.49
(1,3319)	1:71:A:THR:HG23	1:44:A:LEU:HA	9	0.49
(1,3318)	1:71:B:THR:HG21	1:44:B:LEU:HA	9	0.49
(1,3318)	1:71:B:THR:HG22	1:44:B:LEU:HA	9	0.49
(1,3318)	1:71:B:THR:HG23	1:44:B:LEU:HA	9	0.49
(1,3318)	1:71:B:THR:HG21	1:44:B:LEU:HA	18	0.49
(1,3318)	1:71:B:THR:HG22	1:44:B:LEU:HA	18	0.49
(1,3318)	1:71:B:THR:HG23	1:44:B:LEU:HA	18	0.49
(1,3287)	1:97:B:ARG:H	1:98:B:ARG:HD3	14	0.49
(1,3230)	1:29:B:LEU:HD21	1:50:B:LEU:HG	16	0.49
(1,3230)	1:29:B:LEU:HD22	1:50:B:LEU:HG	16	0.49
(1,3230)	1:29:B:LEU:HD23	1:50:B:LEU:HG	16	0.49
(1,3171)	1:57:B:LEU:HD11	1:53:B:PHE:HB3	1	0.49
(1,3171)	1:57:B:LEU:HD12	1:53:B:PHE:HB3	1	0.49
(1,3171)	1:57:B:LEU:HD13	1:53:B:PHE:HB3	1	0.49
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD11	5	0.49
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD12	5	0.49
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD13	5	0.49
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD11	5	0.49
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD12	5	0.49
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD13	5	0.49
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD11	5	0.49
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD12	5	0.49
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD13	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD11	5	0.49
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD12	5	0.49
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD13	5	0.49
(1,2943)	1:71:A:THR:H	1:44:A:LEU:HD11	11	0.49
(1,2943)	1:71:A:THR:H	1:44:A:LEU:HD12	11	0.49
(1,2943)	1:71:A:THR:H	1:44:A:LEU:HD13	11	0.49
(1,2942)	1:71:B:THR:H	1:44:B:LEU:HD11	11	0.49
(1,2942)	1:71:B:THR:H	1:44:B:LEU:HD12	11	0.49
(1,2942)	1:71:B:THR:H	1:44:B:LEU:HD13	11	0.49
(1,2806)	1:23:B:VAL:HG21	1:24:B:SER:HA	3	0.49
(1,2806)	1:23:B:VAL:HG22	1:24:B:SER:HA	3	0.49
(1,2806)	1:23:B:VAL:HG23	1:24:B:SER:HA	3	0.49
(1,2724)	1:47:B:PHE:HD1	1:65:B:ILE:HG13	14	0.49
(1,2724)	1:47:B:PHE:HD2	1:65:B:ILE:HG13	14	0.49
(1,2723)	1:47:A:PHE:HD1	1:65:A:ILE:HG13	14	0.49
(1,2723)	1:47:A:PHE:HD2	1:65:A:ILE:HG13	14	0.49
(1,2685)	1:46:B:LEU:H	1:47:B:PHE:HB2	6	0.49
(1,2684)	1:46:A:LEU:H	1:47:A:PHE:HB2	16	0.49
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD11	1	0.49
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD12	1	0.49
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD13	1	0.49
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD11	6	0.49
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD12	6	0.49
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD13	6	0.49
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD11	18	0.49
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD12	18	0.49
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD13	18	0.49
(1,2271)	1:23:B:VAL:HG11	1:23:B:VAL:HA	4	0.49
(1,2271)	1:23:B:VAL:HG12	1:23:B:VAL:HA	4	0.49
(1,2271)	1:23:B:VAL:HG13	1:23:B:VAL:HA	4	0.49
(1,2271)	1:23:B:VAL:HG11	1:23:B:VAL:HA	9	0.49
(1,2271)	1:23:B:VAL:HG12	1:23:B:VAL:HA	9	0.49
(1,2271)	1:23:B:VAL:HG13	1:23:B:VAL:HA	9	0.49
(1,2271)	1:23:B:VAL:HG11	1:23:B:VAL:HA	13	0.49
(1,2271)	1:23:B:VAL:HG12	1:23:B:VAL:HA	13	0.49
(1,2271)	1:23:B:VAL:HG13	1:23:B:VAL:HA	13	0.49
(1,2271)	1:23:B:VAL:HG11	1:23:B:VAL:HA	18	0.49
(1,2271)	1:23:B:VAL:HG12	1:23:B:VAL:HA	18	0.49
(1,2271)	1:23:B:VAL:HG13	1:23:B:VAL:HA	18	0.49
(1,2271)	1:23:B:VAL:HG11	1:23:B:VAL:HA	20	0.49
(1,2271)	1:23:B:VAL:HG12	1:23:B:VAL:HA	20	0.49
(1,2271)	1:23:B:VAL:HG13	1:23:B:VAL:HA	20	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD21	2	0.49
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD22	2	0.49
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD23	2	0.49
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD21	2	0.49
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD22	2	0.49
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD23	2	0.49
(1,2079)	1:23:A:VAL:HB	1:63:A:ALA:HB1	17	0.49
(1,2079)	1:23:A:VAL:HB	1:63:A:ALA:HB2	17	0.49
(1,2079)	1:23:A:VAL:HB	1:63:A:ALA:HB3	17	0.49
(1,2078)	1:23:B:VAL:HB	1:63:B:ALA:HB1	17	0.49
(1,2078)	1:23:B:VAL:HB	1:63:B:ALA:HB2	17	0.49
(1,2078)	1:23:B:VAL:HB	1:63:B:ALA:HB3	17	0.49
(1,2046)	1:67:A:LYS:H	1:67:A:LYS:HD2	6	0.49
(1,2041)	1:71:B:THR:HG21	1:43:B:PRO:HD2	12	0.49
(1,2041)	1:71:B:THR:HG22	1:43:B:PRO:HD2	12	0.49
(1,2041)	1:71:B:THR:HG23	1:43:B:PRO:HD2	12	0.49
(1,1982)	1:59:B:ILE:H	1:59:B:ILE:HB	6	0.49
(1,1748)	1:88:A:ILE:HG21	1:86:A:LYS:H	9	0.49
(1,1748)	1:88:A:ILE:HG22	1:86:A:LYS:H	9	0.49
(1,1748)	1:88:A:ILE:HG23	1:86:A:LYS:H	9	0.49
(1,1747)	1:88:B:ILE:HG21	1:86:B:LYS:H	8	0.49
(1,1747)	1:88:B:ILE:HG22	1:86:B:LYS:H	8	0.49
(1,1747)	1:88:B:ILE:HG23	1:86:B:LYS:H	8	0.49
(1,1747)	1:88:B:ILE:HG21	1:86:B:LYS:H	9	0.49
(1,1747)	1:88:B:ILE:HG22	1:86:B:LYS:H	9	0.49
(1,1747)	1:88:B:ILE:HG23	1:86:B:LYS:H	9	0.49
(1,1593)	1:93:B:ASN:HD21	1:93:B:ASN:H	10	0.49
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD21	20	0.49
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD22	20	0.49
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD23	20	0.49
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD21	20	0.49
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD22	20	0.49
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD23	20	0.49
(1,1484)	1:69:A:TRP:HD1	1:68:A:ARG:HA	18	0.49
(1,1429)	1:72:A:ILE:HB	1:72:A:ILE:HA	4	0.49
(1,1429)	1:72:A:ILE:HB	1:72:A:ILE:HA	6	0.49
(1,1429)	1:72:A:ILE:HB	1:72:A:ILE:HA	7	0.49
(1,1429)	1:72:A:ILE:HB	1:72:A:ILE:HA	15	0.49
(1,1429)	1:72:A:ILE:HB	1:72:A:ILE:HA	16	0.49
(1,1429)	1:72:A:ILE:HB	1:72:A:ILE:HA	17	0.49
(1,1429)	1:72:A:ILE:HB	1:72:A:ILE:HA	18	0.49
(1,1429)	1:72:A:ILE:HB	1:72:A:ILE:HA	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1428)	1:72:B:ILE:HB	1:72:B:ILE:HA	4	0.49
(1,1428)	1:72:B:ILE:HB	1:72:B:ILE:HA	6	0.49
(1,1428)	1:72:B:ILE:HB	1:72:B:ILE:HA	7	0.49
(1,1428)	1:72:B:ILE:HB	1:72:B:ILE:HA	15	0.49
(1,1428)	1:72:B:ILE:HB	1:72:B:ILE:HA	17	0.49
(1,1428)	1:72:B:ILE:HB	1:72:B:ILE:HA	18	0.49
(1,1428)	1:72:B:ILE:HB	1:72:B:ILE:HA	19	0.49
(1,1336)	1:95:B:LEU:HD11	1:94:B:ILE:H	13	0.49
(1,1336)	1:95:B:LEU:HD12	1:94:B:ILE:H	13	0.49
(1,1336)	1:95:B:LEU:HD13	1:94:B:ILE:H	13	0.49
(1,1336)	1:95:B:LEU:HD11	1:94:B:ILE:H	15	0.49
(1,1336)	1:95:B:LEU:HD12	1:94:B:ILE:H	15	0.49
(1,1336)	1:95:B:LEU:HD13	1:94:B:ILE:H	15	0.49
(1,1263)	1:42:B:GLY:HA2	1:43:B:PRO:HD3	3	0.49
(1,1262)	1:42:A:GLY:HA2	1:43:A:PRO:HD3	3	0.49
(1,1195)	1:42:A:GLY:HA2	1:43:A:PRO:HG2	18	0.49
(1,1194)	1:42:B:GLY:HA2	1:43:B:PRO:HG2	18	0.49
(1,1115)	1:92:B:LEU:HD21	1:82:A:ARG:H	10	0.49
(1,1115)	1:92:B:LEU:HD22	1:82:A:ARG:H	10	0.49
(1,1115)	1:92:B:LEU:HD23	1:82:A:ARG:H	10	0.49
(1,1009)	1:91:A:MET:HG2	1:92:A:LEU:H	9	0.49
(1,1001)	1:27:B:GLN:HB2	1:25:B:THR:H	5	0.49
(1,769)	1:23:B:VAL:HB	1:22:B:ARG:H	17	0.49
(1,768)	1:23:A:VAL:HB	1:22:A:ARG:H	17	0.49
(1,719)	1:44:A:LEU:HD11	1:73:A:LYS:H	20	0.49
(1,719)	1:44:A:LEU:HD12	1:73:A:LYS:H	20	0.49
(1,719)	1:44:A:LEU:HD13	1:73:A:LYS:H	20	0.49
(1,718)	1:44:B:LEU:HD11	1:73:B:LYS:H	20	0.49
(1,718)	1:44:B:LEU:HD12	1:73:B:LYS:H	20	0.49
(1,718)	1:44:B:LEU:HD13	1:73:B:LYS:H	20	0.49
(1,663)	1:62:A:THR:H	1:66:A:LEU:H	10	0.49
(1,662)	1:62:B:THR:H	1:66:B:LEU:H	10	0.49
(1,559)	1:65:A:ILE:HD11	1:51:A:VAL:HA	14	0.49
(1,559)	1:65:A:ILE:HD12	1:51:A:VAL:HA	14	0.49
(1,559)	1:65:A:ILE:HD13	1:51:A:VAL:HA	14	0.49
(1,558)	1:65:B:ILE:HD11	1:51:B:VAL:HA	14	0.49
(1,558)	1:65:B:ILE:HD12	1:51:B:VAL:HA	14	0.49
(1,558)	1:65:B:ILE:HD13	1:51:B:VAL:HA	14	0.49
(1,434)	1:49:B:ALA:HB1	1:57:A:LEU:HB2	7	0.49
(1,434)	1:49:B:ALA:HB2	1:57:A:LEU:HB2	7	0.49
(1,434)	1:49:B:ALA:HB3	1:57:A:LEU:HB2	7	0.49
(1,281)	1:27:A:GLN:H	1:24:A:SER:HB3	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,166)	1:45:A:LYS:HE3	1:56:B:PHE:HE1	10	0.49
(1,166)	1:45:A:LYS:HE3	1:56:B:PHE:HE2	10	0.49
(1,150)	1:49:B:ALA:HB1	1:57:A:LEU:H	5	0.49
(1,150)	1:49:B:ALA:HB2	1:57:A:LEU:H	5	0.49
(1,150)	1:49:B:ALA:HB3	1:57:A:LEU:H	5	0.49
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD1	13	0.49
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD2	13	0.49
(2,253)	1:48:A:MET:H	1:48:A:MET:HG3	6	0.48
(2,201)	1:67:B:LYS:H	1:67:B:LYS:HD3	2	0.48
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG3	15	0.48
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG3	15	0.48
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG3	15	0.48
(2,112)	1:82:B:ARG:HA	1:82:B:ARG:HG2	20	0.48
(2,40)	1:27:B:GLN:H	1:24:B:SER:HB3	4	0.48
(2,3)	1:67:B:LYS:H	1:67:B:LYS:HG3	20	0.48
(1,3439)	1:81:B:LEU:HA	1:82:B:ARG:HA	2	0.48
(1,3439)	1:81:B:LEU:HA	1:82:B:ARG:HA	5	0.48
(1,3439)	1:81:B:LEU:HA	1:82:B:ARG:HA	10	0.48
(1,3439)	1:81:B:LEU:HA	1:82:B:ARG:HA	11	0.48
(1,3439)	1:81:B:LEU:HA	1:82:B:ARG:HA	12	0.48
(1,3439)	1:81:B:LEU:HA	1:82:B:ARG:HA	13	0.48
(1,3439)	1:81:B:LEU:HA	1:82:B:ARG:HA	15	0.48
(1,3439)	1:81:B:LEU:HA	1:82:B:ARG:HA	18	0.48
(1,3438)	1:81:A:LEU:HA	1:82:A:ARG:HA	2	0.48
(1,3438)	1:81:A:LEU:HA	1:82:A:ARG:HA	5	0.48
(1,3438)	1:81:A:LEU:HA	1:82:A:ARG:HA	6	0.48
(1,3438)	1:81:A:LEU:HA	1:82:A:ARG:HA	11	0.48
(1,3438)	1:81:A:LEU:HA	1:82:A:ARG:HA	12	0.48
(1,3438)	1:81:A:LEU:HA	1:82:A:ARG:HA	13	0.48
(1,3438)	1:81:A:LEU:HA	1:82:A:ARG:HA	15	0.48
(1,3438)	1:81:A:LEU:HA	1:82:A:ARG:HA	18	0.48
(1,3383)	1:87:A:GLU:HB3	1:55:B:ARG:HG3	10	0.48
(1,3288)	1:97:A:ARG:H	1:98:A:ARG:HD3	14	0.48
(1,3270)	1:44:A:LEU:H	1:47:A:PHE:HB2	14	0.48
(1,3269)	1:44:B:LEU:H	1:47:B:PHE:HB2	14	0.48
(1,3048)	1:55:B:ARG:HA	1:55:B:ARG:HD3	4	0.48
(1,2685)	1:46:B:LEU:H	1:47:B:PHE:HB2	16	0.48
(1,2684)	1:46:A:LEU:H	1:47:A:PHE:HB2	6	0.48
(1,2668)	1:88:A:ILE:HA	1:52:B:ALA:HA	13	0.48
(1,2619)	1:87:B:GLU:H	1:90:B:ARG:HD2	14	0.48
(1,2618)	1:87:A:GLU:H	1:90:A:ARG:HD2	14	0.48
(1,2553)	1:94:B:ILE:HG13	1:93:B:ASN:HB3	9	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2552)	1:58:B:THR:HA	1:59:B:ILE:HA	3	0.48
(1,2552)	1:58:B:THR:HA	1:59:B:ILE:HA	11	0.48
(1,2551)	1:58:A:THR:HA	1:59:A:ILE:HA	3	0.48
(1,2532)	1:74:A:LYS:HA	1:95:B:LEU:HG	1	0.48
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD11	20	0.48
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD12	20	0.48
(1,2521)	1:38:B:LEU:HA	1:38:B:LEU:HD13	20	0.48
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD11	20	0.48
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD12	20	0.48
(1,2520)	1:38:A:LEU:HA	1:38:A:LEU:HD13	20	0.48
(1,2271)	1:23:B:VAL:HG11	1:23:B:VAL:HA	19	0.48
(1,2271)	1:23:B:VAL:HG12	1:23:B:VAL:HA	19	0.48
(1,2271)	1:23:B:VAL:HG13	1:23:B:VAL:HA	19	0.48
(1,2146)	1:57:A:LEU:HD11	1:56:A:PHE:HD1	8	0.48
(1,2146)	1:57:A:LEU:HD11	1:56:A:PHE:HD2	8	0.48
(1,2146)	1:57:A:LEU:HD12	1:56:A:PHE:HD1	8	0.48
(1,2146)	1:57:A:LEU:HD12	1:56:A:PHE:HD2	8	0.48
(1,2146)	1:57:A:LEU:HD13	1:56:A:PHE:HD1	8	0.48
(1,2146)	1:57:A:LEU:HD13	1:56:A:PHE:HD2	8	0.48
(1,2046)	1:67:A:LYS:H	1:67:A:LYS:HD3	2	0.48
(1,1837)	1:67:A:LYS:H	1:67:A:LYS:HG3	20	0.48
(1,1799)	1:84:B:PHE:HD1	1:85:A:ARG:HA	5	0.48
(1,1799)	1:84:B:PHE:HD2	1:85:A:ARG:HA	5	0.48
(1,1798)	1:84:A:PHE:HD1	1:85:B:ARG:HA	5	0.48
(1,1798)	1:84:A:PHE:HD2	1:85:B:ARG:HA	5	0.48
(1,1709)	1:72:B:ILE:HD11	1:44:B:LEU:HD21	11	0.48
(1,1709)	1:72:B:ILE:HD11	1:44:B:LEU:HD22	11	0.48
(1,1709)	1:72:B:ILE:HD11	1:44:B:LEU:HD23	11	0.48
(1,1709)	1:72:B:ILE:HD12	1:44:B:LEU:HD21	11	0.48
(1,1709)	1:72:B:ILE:HD12	1:44:B:LEU:HD22	11	0.48
(1,1709)	1:72:B:ILE:HD12	1:44:B:LEU:HD23	11	0.48
(1,1709)	1:72:B:ILE:HD13	1:44:B:LEU:HD21	11	0.48
(1,1709)	1:72:B:ILE:HD13	1:44:B:LEU:HD22	11	0.48
(1,1709)	1:72:B:ILE:HD13	1:44:B:LEU:HD23	11	0.48
(1,1708)	1:72:A:ILE:HD11	1:44:A:LEU:HD21	11	0.48
(1,1708)	1:72:A:ILE:HD11	1:44:A:LEU:HD22	11	0.48
(1,1708)	1:72:A:ILE:HD11	1:44:A:LEU:HD23	11	0.48
(1,1708)	1:72:A:ILE:HD12	1:44:A:LEU:HD21	11	0.48
(1,1708)	1:72:A:ILE:HD12	1:44:A:LEU:HD22	11	0.48
(1,1708)	1:72:A:ILE:HD12	1:44:A:LEU:HD23	11	0.48
(1,1708)	1:72:A:ILE:HD13	1:44:A:LEU:HD21	11	0.48
(1,1708)	1:72:A:ILE:HD13	1:44:A:LEU:HD22	11	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1708)	1:72:A:ILE:HD13	1:44:A:LEU:HD23	11	0.48
(1,1681)	1:95:B:LEU:HA	1:98:B:ARG:HB2	1	0.48
(1,1633)	1:48:B:MET:H	1:48:B:MET:HG3	6	0.48
(1,1585)	1:48:A:MET:H	1:44:A:LEU:HD11	2	0.48
(1,1585)	1:48:A:MET:H	1:44:A:LEU:HD12	2	0.48
(1,1585)	1:48:A:MET:H	1:44:A:LEU:HD13	2	0.48
(1,1584)	1:48:B:MET:H	1:44:B:LEU:HD11	2	0.48
(1,1584)	1:48:B:MET:H	1:44:B:LEU:HD12	2	0.48
(1,1584)	1:48:B:MET:H	1:44:B:LEU:HD13	2	0.48
(1,1429)	1:72:A:ILE:HB	1:72:A:ILE:HA	14	0.48
(1,1429)	1:72:A:ILE:HB	1:72:A:ILE:HA	20	0.48
(1,1428)	1:72:B:ILE:HB	1:72:B:ILE:HA	14	0.48
(1,1428)	1:72:B:ILE:HB	1:72:B:ILE:HA	16	0.48
(1,1428)	1:72:B:ILE:HB	1:72:B:ILE:HA	20	0.48
(1,1356)	1:82:A:ARG:HA	1:82:A:ARG:HG2	20	0.48
(1,1337)	1:95:A:LEU:HD11	1:94:A:ILE:H	13	0.48
(1,1337)	1:95:A:LEU:HD12	1:94:A:ILE:H	13	0.48
(1,1337)	1:95:A:LEU:HD13	1:94:A:ILE:H	13	0.48
(1,1311)	1:95:A:LEU:HD11	1:69:B:TRP:HH2	17	0.48
(1,1311)	1:95:A:LEU:HD12	1:69:B:TRP:HH2	17	0.48
(1,1311)	1:95:A:LEU:HD13	1:69:B:TRP:HH2	17	0.48
(1,1263)	1:42:B:GLY:HA2	1:43:B:PRO:HD3	2	0.48
(1,1263)	1:42:B:GLY:HA2	1:43:B:PRO:HD3	15	0.48
(1,1262)	1:42:A:GLY:HA2	1:43:A:PRO:HD3	2	0.48
(1,1262)	1:42:A:GLY:HA2	1:43:A:PRO:HD3	15	0.48
(1,1114)	1:92:A:LEU:HD21	1:82:B:ARG:H	10	0.48
(1,1114)	1:92:A:LEU:HD22	1:82:B:ARG:H	10	0.48
(1,1114)	1:92:A:LEU:HD23	1:82:B:ARG:H	10	0.48
(1,1063)	1:27:A:GLN:H	1:29:A:LEU:H	9	0.48
(1,1063)	1:27:A:GLN:H	1:29:A:LEU:H	19	0.48
(1,1062)	1:27:B:GLN:H	1:29:B:LEU:H	9	0.48
(1,1062)	1:27:B:GLN:H	1:29:B:LEU:H	19	0.48
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD11	14	0.48
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD12	14	0.48
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD13	14	0.48
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD11	15	0.48
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD12	15	0.48
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD13	15	0.48
(1,917)	1:69:A:TRP:HZ2	1:95:B:LEU:HG	1	0.48
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD21	20	0.48
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD22	20	0.48
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD23	20	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:22:A:ARG:HG3	1:23:A:VAL:H	7	0.48
(1,663)	1:62:A:THR:H	1:66:A:LEU:H	7	0.48
(1,662)	1:62:B:THR:H	1:66:B:LEU:H	7	0.48
(1,483)	1:84:B:PHE:HD1	1:87:B:GLU:H	16	0.48
(1,483)	1:84:B:PHE:HD2	1:87:B:GLU:H	16	0.48
(1,482)	1:84:A:PHE:HD1	1:87:A:GLU:H	16	0.48
(1,482)	1:84:A:PHE:HD2	1:87:A:GLU:H	16	0.48
(1,433)	1:49:A:ALA:HB1	1:57:B:LEU:HB2	7	0.48
(1,433)	1:49:A:ALA:HB2	1:57:B:LEU:HB2	7	0.48
(1,433)	1:49:A:ALA:HB3	1:57:B:LEU:HB2	7	0.48
(1,333)	1:62:A:THR:HG21	1:64:A:GLY:HA2	15	0.48
(1,333)	1:62:A:THR:HG22	1:64:A:GLY:HA2	15	0.48
(1,333)	1:62:A:THR:HG23	1:64:A:GLY:HA2	15	0.48
(1,332)	1:62:B:THR:HG21	1:64:B:GLY:HA2	15	0.48
(1,332)	1:62:B:THR:HG22	1:64:B:GLY:HA2	15	0.48
(1,332)	1:62:B:THR:HG23	1:64:B:GLY:HA2	15	0.48
(1,167)	1:45:B:LYS:HE3	1:56:A:PHE:HE1	10	0.48
(1,167)	1:45:B:LYS:HE3	1:56:A:PHE:HE2	10	0.48
(1,157)	1:78:A:ILE:HG21	1:96:B:ASN:HD22	1	0.48
(1,157)	1:78:A:ILE:HG22	1:96:B:ASN:HD22	1	0.48
(1,157)	1:78:A:ILE:HG23	1:96:B:ASN:HD22	1	0.48
(1,156)	1:78:B:ILE:HG21	1:96:A:ASN:HD22	1	0.48
(1,156)	1:78:B:ILE:HG22	1:96:A:ASN:HD22	1	0.48
(1,156)	1:78:B:ILE:HG23	1:96:A:ASN:HD22	1	0.48
(1,150)	1:49:B:ALA:HB1	1:57:A:LEU:H	11	0.48
(1,150)	1:49:B:ALA:HB2	1:57:A:LEU:H	11	0.48
(1,150)	1:49:B:ALA:HB3	1:57:A:LEU:H	11	0.48
(1,149)	1:49:A:ALA:HB1	1:57:B:LEU:H	11	0.48
(1,149)	1:49:A:ALA:HB2	1:57:B:LEU:H	11	0.48
(1,149)	1:49:A:ALA:HB3	1:57:B:LEU:H	11	0.48
(1,33)	1:57:A:LEU:HD11	1:45:B:LYS:HE2	17	0.48
(1,33)	1:57:A:LEU:HD12	1:45:B:LYS:HE2	17	0.48
(1,33)	1:57:A:LEU:HD13	1:45:B:LYS:HE2	17	0.48
(2,340)	1:77:A:ALA:H	1:76:A:LYS:HE3	7	0.47
(2,290)	1:62:B:THR:HB	1:24:B:SER:HB2	6	0.47
(2,253)	1:48:A:MET:H	1:48:A:MET:HG3	7	0.47
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG3	14	0.47
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG3	14	0.47
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG3	14	0.47
(2,164)	1:81:B:LEU:H	1:84:B:PHE:HB3	20	0.47
(2,3)	1:67:B:LYS:H	1:67:B:LYS:HG3	17	0.47
(1,3455)	1:90:B:ARG:HA	1:92:B:LEU:H	8	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3454)	1:90:A:ARG:HA	1:92:A:LEU:H	8	0.47
(1,3439)	1:81:B:LEU:HA	1:82:B:ARG:HA	3	0.47
(1,3439)	1:81:B:LEU:HA	1:82:B:ARG:HA	4	0.47
(1,3439)	1:81:B:LEU:HA	1:82:B:ARG:HA	17	0.47
(1,3438)	1:81:A:LEU:HA	1:82:A:ARG:HA	3	0.47
(1,3438)	1:81:A:LEU:HA	1:82:A:ARG:HA	10	0.47
(1,3438)	1:81:A:LEU:HA	1:82:A:ARG:HA	17	0.47
(1,3351)	1:72:B:ILE:HG12	1:47:B:PHE:HD1	2	0.47
(1,3351)	1:72:B:ILE:HG12	1:47:B:PHE:HD2	2	0.47
(1,3270)	1:44:A:LEU:H	1:47:A:PHE:HB2	13	0.47
(1,3269)	1:44:B:LEU:H	1:47:B:PHE:HB2	13	0.47
(1,3253)	1:49:B:ALA:HB1	1:53:B:PHE:H	2	0.47
(1,3253)	1:49:B:ALA:HB2	1:53:B:PHE:H	2	0.47
(1,3253)	1:49:B:ALA:HB3	1:53:B:PHE:H	2	0.47
(1,3252)	1:49:A:ALA:HB1	1:53:A:PHE:H	2	0.47
(1,3252)	1:49:A:ALA:HB2	1:53:A:PHE:H	2	0.47
(1,3252)	1:49:A:ALA:HB3	1:53:A:PHE:H	2	0.47
(1,3202)	1:41:B:ARG:HB3	1:47:B:PHE:HB3	20	0.47
(1,3201)	1:41:A:ARG:HB3	1:47:A:PHE:HB3	20	0.47
(1,3171)	1:57:B:LEU:HD11	1:53:B:PHE:HB3	15	0.47
(1,3171)	1:57:B:LEU:HD12	1:53:B:PHE:HB3	15	0.47
(1,3171)	1:57:B:LEU:HD13	1:53:B:PHE:HB3	15	0.47
(1,3153)	1:81:B:LEU:HD11	1:69:B:TRP:HZ3	18	0.47
(1,3153)	1:81:B:LEU:HD12	1:69:B:TRP:HZ3	18	0.47
(1,3153)	1:81:B:LEU:HD13	1:69:B:TRP:HZ3	18	0.47
(1,3152)	1:81:A:LEU:HD11	1:69:A:TRP:HZ3	18	0.47
(1,3152)	1:81:A:LEU:HD12	1:69:A:TRP:HZ3	18	0.47
(1,3152)	1:81:A:LEU:HD13	1:69:A:TRP:HZ3	18	0.47
(1,3146)	1:51:B:VAL:HG21	1:69:B:TRP:HZ3	9	0.47
(1,3146)	1:51:B:VAL:HG22	1:69:B:TRP:HZ3	9	0.47
(1,3146)	1:51:B:VAL:HG23	1:69:B:TRP:HZ3	9	0.47
(1,3145)	1:51:A:VAL:HG21	1:69:A:TRP:HZ3	9	0.47
(1,3145)	1:51:A:VAL:HG22	1:69:A:TRP:HZ3	9	0.47
(1,3145)	1:51:A:VAL:HG23	1:69:A:TRP:HZ3	9	0.47
(1,3098)	1:65:A:ILE:HD11	1:25:A:THR:HB	8	0.47
(1,3098)	1:65:A:ILE:HD12	1:25:A:THR:HB	8	0.47
(1,3098)	1:65:A:ILE:HD13	1:25:A:THR:HB	8	0.47
(1,3097)	1:65:B:ILE:HD11	1:25:B:THR:HB	8	0.47
(1,3097)	1:65:B:ILE:HD12	1:25:B:THR:HB	8	0.47
(1,3097)	1:65:B:ILE:HD13	1:25:B:THR:HB	8	0.47
(1,3049)	1:55:A:ARG:HA	1:55:A:ARG:HD3	4	0.47
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD11	1	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD12	1	0.47
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD13	1	0.47
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD11	1	0.47
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD12	1	0.47
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD13	1	0.47
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD11	1	0.47
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD12	1	0.47
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD13	1	0.47
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD11	1	0.47
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD12	1	0.47
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD13	1	0.47
(1,2688)	1:77:B:ALA:H	1:76:B:LYS:HE3	7	0.47
(1,2668)	1:88:A:ILE:HA	1:52:B:ALA:HA	17	0.47
(1,2619)	1:87:B:GLU:H	1:90:B:ARG:HD2	9	0.47
(1,2618)	1:87:A:GLU:H	1:90:A:ARG:HD2	9	0.47
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG21	5	0.47
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG22	5	0.47
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG23	5	0.47
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG21	5	0.47
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG22	5	0.47
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG23	5	0.47
(1,2588)	1:88:A:ILE:HG21	1:85:A:ARG:HD2	8	0.47
(1,2588)	1:88:A:ILE:HG22	1:85:A:ARG:HD2	8	0.47
(1,2588)	1:88:A:ILE:HG23	1:85:A:ARG:HD2	8	0.47
(1,2587)	1:88:B:ILE:HG21	1:85:B:ARG:HD2	8	0.47
(1,2587)	1:88:B:ILE:HG22	1:85:B:ARG:HD2	8	0.47
(1,2587)	1:88:B:ILE:HG23	1:85:B:ARG:HD2	8	0.47
(1,2572)	1:72:B:ILE:HB	1:71:B:THR:HA	5	0.47
(1,2554)	1:94:A:ILE:HG13	1:93:A:ASN:HB3	9	0.47
(1,2552)	1:58:B:THR:HA	1:59:B:ILE:HA	1	0.47
(1,2552)	1:58:B:THR:HA	1:59:B:ILE:HA	7	0.47
(1,2551)	1:58:A:THR:HA	1:59:A:ILE:HA	7	0.47
(1,2551)	1:58:A:THR:HA	1:59:A:ILE:HA	11	0.47
(1,2517)	1:80:A:VAL:HG21	1:84:A:PHE:H	5	0.47
(1,2517)	1:80:A:VAL:HG22	1:84:A:PHE:H	5	0.47
(1,2517)	1:80:A:VAL:HG23	1:84:A:PHE:H	5	0.47
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD11	2	0.47
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD12	2	0.47
(1,2514)	1:69:B:TRP:HD1	1:66:B:LEU:HD13	2	0.47
(1,2323)	1:51:A:VAL:HG21	1:65:A:ILE:HD11	16	0.47
(1,2323)	1:51:A:VAL:HG21	1:65:A:ILE:HD12	16	0.47
(1,2323)	1:51:A:VAL:HG21	1:65:A:ILE:HD13	16	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2323)	1:51:A:VAL:HG22	1:65:A:ILE:HD11	16	0.47
(1,2323)	1:51:A:VAL:HG22	1:65:A:ILE:HD12	16	0.47
(1,2323)	1:51:A:VAL:HG22	1:65:A:ILE:HD13	16	0.47
(1,2323)	1:51:A:VAL:HG23	1:65:A:ILE:HD11	16	0.47
(1,2323)	1:51:A:VAL:HG23	1:65:A:ILE:HD12	16	0.47
(1,2323)	1:51:A:VAL:HG23	1:65:A:ILE:HD13	16	0.47
(1,2322)	1:51:B:VAL:HG21	1:65:B:ILE:HD11	16	0.47
(1,2322)	1:51:B:VAL:HG21	1:65:B:ILE:HD12	16	0.47
(1,2322)	1:51:B:VAL:HG21	1:65:B:ILE:HD13	16	0.47
(1,2322)	1:51:B:VAL:HG22	1:65:B:ILE:HD11	16	0.47
(1,2322)	1:51:B:VAL:HG22	1:65:B:ILE:HD12	16	0.47
(1,2322)	1:51:B:VAL:HG22	1:65:B:ILE:HD13	16	0.47
(1,2322)	1:51:B:VAL:HG23	1:65:B:ILE:HD11	16	0.47
(1,2322)	1:51:B:VAL:HG23	1:65:B:ILE:HD12	16	0.47
(1,2322)	1:51:B:VAL:HG23	1:65:B:ILE:HD13	16	0.47
(1,2256)	1:57:A:LEU:HD11	1:45:B:LYS:HE3	16	0.47
(1,2256)	1:57:A:LEU:HD12	1:45:B:LYS:HE3	16	0.47
(1,2256)	1:57:A:LEU:HD13	1:45:B:LYS:HE3	16	0.47
(1,1999)	1:72:A:ILE:HD11	1:73:A:LYS:H	10	0.47
(1,1999)	1:72:A:ILE:HD12	1:73:A:LYS:H	10	0.47
(1,1999)	1:72:A:ILE:HD13	1:73:A:LYS:H	10	0.47
(1,1999)	1:72:A:ILE:HD11	1:73:A:LYS:H	19	0.47
(1,1999)	1:72:A:ILE:HD12	1:73:A:LYS:H	19	0.47
(1,1999)	1:72:A:ILE:HD13	1:73:A:LYS:H	19	0.47
(1,1998)	1:72:B:ILE:HD11	1:73:B:LYS:H	10	0.47
(1,1998)	1:72:B:ILE:HD12	1:73:B:LYS:H	10	0.47
(1,1998)	1:72:B:ILE:HD13	1:73:B:LYS:H	10	0.47
(1,1998)	1:72:B:ILE:HD11	1:73:B:LYS:H	19	0.47
(1,1998)	1:72:B:ILE:HD12	1:73:B:LYS:H	19	0.47
(1,1998)	1:72:B:ILE:HD13	1:73:B:LYS:H	19	0.47
(1,1799)	1:84:B:PHE:HD1	1:85:A:ARG:HA	20	0.47
(1,1799)	1:84:B:PHE:HD2	1:85:A:ARG:HA	20	0.47
(1,1748)	1:88:A:ILE:HG21	1:86:A:LYS:H	20	0.47
(1,1748)	1:88:A:ILE:HG22	1:86:A:LYS:H	20	0.47
(1,1748)	1:88:A:ILE:HG23	1:86:A:LYS:H	20	0.47
(1,1747)	1:88:B:ILE:HG21	1:86:B:LYS:H	20	0.47
(1,1747)	1:88:B:ILE:HG22	1:86:B:LYS:H	20	0.47
(1,1747)	1:88:B:ILE:HG23	1:86:B:LYS:H	20	0.47
(1,1702)	1:84:A:PHE:HA	1:87:A:GLU:H	13	0.47
(1,1680)	1:95:A:LEU:HA	1:98:A:ARG:HB2	1	0.47
(1,1633)	1:48:B:MET:H	1:48:B:MET:HG3	7	0.47
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	6	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1552)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	6	0.47
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	6	0.47
(1,1552)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	6	0.47
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	6	0.47
(1,1552)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	6	0.47
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	6	0.47
(1,1551)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	6	0.47
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	6	0.47
(1,1551)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	6	0.47
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	6	0.47
(1,1551)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	6	0.47
(1,1429)	1:72:A:ILE:HB	1:72:A:ILE:HA	9	0.47
(1,1428)	1:72:B:ILE:HB	1:72:B:ILE:HA	9	0.47
(1,1221)	1:45:A:LYS:H	1:43:A:PRO:HA	3	0.47
(1,1149)	1:41:A:ARG:HB2	1:42:A:GLY:H	6	0.47
(1,1148)	1:41:B:ARG:HB2	1:42:B:GLY:H	6	0.47
(1,1115)	1:92:B:LEU:HD21	1:82:A:ARG:H	15	0.47
(1,1115)	1:92:B:LEU:HD22	1:82:A:ARG:H	15	0.47
(1,1115)	1:92:B:LEU:HD23	1:82:A:ARG:H	15	0.47
(1,1114)	1:92:A:LEU:HD21	1:82:B:ARG:H	18	0.47
(1,1114)	1:92:A:LEU:HD22	1:82:B:ARG:H	18	0.47
(1,1114)	1:92:A:LEU:HD23	1:82:B:ARG:H	18	0.47
(1,1105)	1:74:B:LYS:HA	1:75:B:SER:H	13	0.47
(1,1104)	1:74:A:LYS:HA	1:75:A:SER:H	13	0.47
(1,1009)	1:91:A:MET:HG2	1:92:A:LEU:H	6	0.47
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG21	1	0.47
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG22	1	0.47
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG23	1	0.47
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG21	1	0.47
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG22	1	0.47
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG23	1	0.47
(1,767)	1:25:B:THR:HG21	1:54:B:LEU:HG	11	0.47
(1,767)	1:25:B:THR:HG22	1:54:B:LEU:HG	11	0.47
(1,767)	1:25:B:THR:HG23	1:54:B:LEU:HG	11	0.47
(1,766)	1:25:A:THR:HG21	1:54:A:LEU:HG	11	0.47
(1,766)	1:25:A:THR:HG22	1:54:A:LEU:HG	11	0.47
(1,766)	1:25:A:THR:HG23	1:54:A:LEU:HG	11	0.47
(1,721)	1:58:B:THR:HG21	1:59:B:ILE:HD11	7	0.47
(1,721)	1:58:B:THR:HG21	1:59:B:ILE:HD12	7	0.47
(1,721)	1:58:B:THR:HG21	1:59:B:ILE:HD13	7	0.47
(1,721)	1:58:B:THR:HG22	1:59:B:ILE:HD11	7	0.47
(1,721)	1:58:B:THR:HG22	1:59:B:ILE:HD12	7	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,721)	1:58:B:THR:HG22	1:59:B:ILE:HD13	7	0.47
(1,721)	1:58:B:THR:HG23	1:59:B:ILE:HD11	7	0.47
(1,721)	1:58:B:THR:HG23	1:59:B:ILE:HD12	7	0.47
(1,721)	1:58:B:THR:HG23	1:59:B:ILE:HD13	7	0.47
(1,720)	1:58:A:THR:HG21	1:59:A:ILE:HD11	7	0.47
(1,720)	1:58:A:THR:HG21	1:59:A:ILE:HD12	7	0.47
(1,720)	1:58:A:THR:HG21	1:59:A:ILE:HD13	7	0.47
(1,720)	1:58:A:THR:HG22	1:59:A:ILE:HD11	7	0.47
(1,720)	1:58:A:THR:HG22	1:59:A:ILE:HD12	7	0.47
(1,720)	1:58:A:THR:HG22	1:59:A:ILE:HD13	7	0.47
(1,720)	1:58:A:THR:HG23	1:59:A:ILE:HD11	7	0.47
(1,720)	1:58:A:THR:HG23	1:59:A:ILE:HD12	7	0.47
(1,720)	1:58:A:THR:HG23	1:59:A:ILE:HD13	7	0.47
(1,278)	1:41:A:ARG:H	1:38:A:LEU:HA	19	0.47
(1,146)	1:69:A:TRP:HH2	1:95:B:LEU:H	16	0.47
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD1	7	0.47
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD2	7	0.47
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD1	7	0.47
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD2	7	0.47
(1,44)	1:95:A:LEU:HA	1:74:B:LYS:HE3	5	0.47
(1,16)	1:55:B:ARG:HB2	1:91:A:MET:HG2	7	0.47
(2,253)	1:48:A:MET:H	1:48:A:MET:HG3	9	0.46
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG3	18	0.46
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG3	18	0.46
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG3	18	0.46
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG3	19	0.46
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG3	19	0.46
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG3	19	0.46
(1,3438)	1:81:A:LEU:HA	1:82:A:ARG:HA	4	0.46
(1,3410)	1:94:A:ILE:HA	1:97:A:ARG:HB2	3	0.46
(1,3410)	1:94:A:ILE:HA	1:97:A:ARG:HB2	13	0.46
(1,3409)	1:94:B:ILE:HA	1:97:B:ARG:HB2	3	0.46
(1,3350)	1:72:A:ILE:HG12	1:47:A:PHE:HD1	2	0.46
(1,3350)	1:72:A:ILE:HG12	1:47:A:PHE:HD2	2	0.46
(1,3248)	1:26:A:VAL:HG21	1:27:A:GLN:HG3	10	0.46
(1,3248)	1:26:A:VAL:HG22	1:27:A:GLN:HG3	10	0.46
(1,3248)	1:26:A:VAL:HG23	1:27:A:GLN:HG3	10	0.46
(1,3124)	1:63:B:ALA:HB1	1:23:B:VAL:HG21	6	0.46
(1,3124)	1:63:B:ALA:HB1	1:23:B:VAL:HG22	6	0.46
(1,3124)	1:63:B:ALA:HB1	1:23:B:VAL:HG23	6	0.46
(1,3124)	1:63:B:ALA:HB2	1:23:B:VAL:HG21	6	0.46
(1,3124)	1:63:B:ALA:HB2	1:23:B:VAL:HG22	6	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3124)	1:63:B:ALA:HB2	1:23:B:VAL:HG23	6	0.46
(1,3124)	1:63:B:ALA:HB3	1:23:B:VAL:HG21	6	0.46
(1,3124)	1:63:B:ALA:HB3	1:23:B:VAL:HG22	6	0.46
(1,3124)	1:63:B:ALA:HB3	1:23:B:VAL:HG23	6	0.46
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD11	7	0.46
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD12	7	0.46
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD13	7	0.46
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD11	7	0.46
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD12	7	0.46
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD13	7	0.46
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD11	7	0.46
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD12	7	0.46
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD13	7	0.46
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD11	7	0.46
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD12	7	0.46
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD13	7	0.46
(1,2869)	1:79:B:ASN:HB2	1:76:B:LYS:HA	14	0.46
(1,2724)	1:47:B:PHE:HD1	1:65:B:ILE:HG13	20	0.46
(1,2724)	1:47:B:PHE:HD2	1:65:B:ILE:HG13	20	0.46
(1,2723)	1:47:A:PHE:HD1	1:65:A:ILE:HG13	20	0.46
(1,2723)	1:47:A:PHE:HD2	1:65:A:ILE:HG13	20	0.46
(1,2721)	1:65:A:ILE:HD11	1:25:A:THR:HA	19	0.46
(1,2721)	1:65:A:ILE:HD12	1:25:A:THR:HA	19	0.46
(1,2721)	1:65:A:ILE:HD13	1:25:A:THR:HA	19	0.46
(1,2604)	1:82:A:ARG:HA	1:85:A:ARG:HD3	14	0.46
(1,2571)	1:72:A:ILE:HB	1:71:A:THR:HA	5	0.46
(1,2556)	1:94:B:ILE:HG21	1:74:A:LYS:HE2	9	0.46
(1,2556)	1:94:B:ILE:HG22	1:74:A:LYS:HE2	9	0.46
(1,2556)	1:94:B:ILE:HG23	1:74:A:LYS:HE2	9	0.46
(1,2552)	1:58:B:THR:HA	1:59:B:ILE:HA	9	0.46
(1,2552)	1:58:B:THR:HA	1:59:B:ILE:HA	12	0.46
(1,2551)	1:58:A:THR:HA	1:59:A:ILE:HA	1	0.46
(1,2551)	1:58:A:THR:HA	1:59:A:ILE:HA	9	0.46
(1,2551)	1:58:A:THR:HA	1:59:A:ILE:HA	12	0.46
(1,2227)	1:61:B:PRO:HD3	1:61:B:PRO:HA	12	0.46
(1,2226)	1:61:A:PRO:HD3	1:61:A:PRO:HA	12	0.46
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD21	5	0.46
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD22	5	0.46
(1,2110)	1:61:B:PRO:HA	1:54:B:LEU:HD23	5	0.46
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD21	5	0.46
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD22	5	0.46
(1,2109)	1:61:A:PRO:HA	1:54:A:LEU:HD23	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1999)	1:72:A:ILE:HD11	1:73:A:LYS:H	1	0.46
(1,1999)	1:72:A:ILE:HD12	1:73:A:LYS:H	1	0.46
(1,1999)	1:72:A:ILE:HD13	1:73:A:LYS:H	1	0.46
(1,1998)	1:72:B:ILE:HD11	1:73:B:LYS:H	1	0.46
(1,1998)	1:72:B:ILE:HD12	1:73:B:LYS:H	1	0.46
(1,1998)	1:72:B:ILE:HD13	1:73:B:LYS:H	1	0.46
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD21	19	0.46
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD22	19	0.46
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD23	19	0.46
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD21	19	0.46
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD22	19	0.46
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD23	19	0.46
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD21	19	0.46
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD22	19	0.46
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD23	19	0.46
(1,1837)	1:67:A:LYS:H	1:67:A:LYS:HG3	17	0.46
(1,1799)	1:84:B:PHE:HD1	1:85:A:ARG:HA	18	0.46
(1,1799)	1:84:B:PHE:HD2	1:85:A:ARG:HA	18	0.46
(1,1798)	1:84:A:PHE:HD1	1:85:B:ARG:HA	13	0.46
(1,1798)	1:84:A:PHE:HD2	1:85:B:ARG:HA	13	0.46
(1,1798)	1:84:A:PHE:HD1	1:85:B:ARG:HA	17	0.46
(1,1798)	1:84:A:PHE:HD2	1:85:B:ARG:HA	17	0.46
(1,1701)	1:84:B:PHE:HA	1:87:B:GLU:H	13	0.46
(1,1698)	1:81:A:LEU:H	1:84:A:PHE:HB3	20	0.46
(1,1633)	1:48:B:MET:H	1:48:B:MET:HG3	9	0.46
(1,1471)	1:72:B:ILE:HD11	1:72:B:ILE:HA	3	0.46
(1,1471)	1:72:B:ILE:HD12	1:72:B:ILE:HA	3	0.46
(1,1471)	1:72:B:ILE:HD13	1:72:B:ILE:HA	3	0.46
(1,1470)	1:72:A:ILE:HD11	1:72:A:ILE:HA	3	0.46
(1,1470)	1:72:A:ILE:HD12	1:72:A:ILE:HA	3	0.46
(1,1470)	1:72:A:ILE:HD13	1:72:A:ILE:HA	3	0.46
(1,1432)	1:57:B:LEU:HD21	1:57:B:LEU:H	4	0.46
(1,1432)	1:57:B:LEU:HD22	1:57:B:LEU:H	4	0.46
(1,1432)	1:57:B:LEU:HD23	1:57:B:LEU:H	4	0.46
(1,1432)	1:57:B:LEU:HD21	1:57:B:LEU:H	8	0.46
(1,1432)	1:57:B:LEU:HD22	1:57:B:LEU:H	8	0.46
(1,1432)	1:57:B:LEU:HD23	1:57:B:LEU:H	8	0.46
(1,1337)	1:95:A:LEU:HD11	1:94:A:ILE:H	1	0.46
(1,1337)	1:95:A:LEU:HD12	1:94:A:ILE:H	1	0.46
(1,1337)	1:95:A:LEU:HD13	1:94:A:ILE:H	1	0.46
(1,1336)	1:95:B:LEU:HD11	1:94:B:ILE:H	1	0.46
(1,1336)	1:95:B:LEU:HD12	1:94:B:ILE:H	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1336)	1:95:B:LEU:HD13	1:94:B:ILE:H	1	0.46
(1,1312)	1:95:B:LEU:HD11	1:69:A:TRP:HH2	17	0.46
(1,1312)	1:95:B:LEU:HD12	1:69:A:TRP:HH2	17	0.46
(1,1312)	1:95:B:LEU:HD13	1:69:A:TRP:HH2	17	0.46
(1,1222)	1:45:B:LYS:H	1:43:B:PRO:HA	3	0.46
(1,1124)	1:57:B:LEU:HD21	1:46:A:LEU:HA	13	0.46
(1,1124)	1:57:B:LEU:HD22	1:46:A:LEU:HA	13	0.46
(1,1124)	1:57:B:LEU:HD23	1:46:A:LEU:HA	13	0.46
(1,1070)	1:22:A:ARG:HG2	1:30:A:THR:HB	4	0.46
(1,980)	1:25:A:THR:HG21	1:27:A:GLN:H	1	0.46
(1,980)	1:25:A:THR:HG22	1:27:A:GLN:H	1	0.46
(1,980)	1:25:A:THR:HG23	1:27:A:GLN:H	1	0.46
(1,979)	1:25:B:THR:HG21	1:27:B:GLN:H	1	0.46
(1,979)	1:25:B:THR:HG22	1:27:B:GLN:H	1	0.46
(1,979)	1:25:B:THR:HG23	1:27:B:GLN:H	1	0.46
(1,948)	1:31:A:LYS:HA	1:31:A:LYS:HG3	12	0.46
(1,917)	1:69:A:TRP:HZ2	1:95:B:LEU:HG	11	0.46
(1,216)	1:77:B:ALA:HB1	1:48:B:MET:HG2	3	0.46
(1,216)	1:77:B:ALA:HB2	1:48:B:MET:HG2	3	0.46
(1,216)	1:77:B:ALA:HB3	1:48:B:MET:HG2	3	0.46
(1,216)	1:77:B:ALA:HB1	1:48:B:MET:HG3	16	0.46
(1,216)	1:77:B:ALA:HB2	1:48:B:MET:HG3	16	0.46
(1,216)	1:77:B:ALA:HB3	1:48:B:MET:HG3	16	0.46
(1,215)	1:77:A:ALA:HB1	1:48:A:MET:HG2	3	0.46
(1,215)	1:77:A:ALA:HB2	1:48:A:MET:HG2	3	0.46
(1,215)	1:77:A:ALA:HB3	1:48:A:MET:HG2	3	0.46
(1,215)	1:77:A:ALA:HB1	1:48:A:MET:HG3	16	0.46
(1,215)	1:77:A:ALA:HB2	1:48:A:MET:HG3	16	0.46
(1,215)	1:77:A:ALA:HB3	1:48:A:MET:HG3	16	0.46
(1,164)	1:69:B:TRP:HH2	1:95:A:LEU:HG	14	0.46
(1,150)	1:49:B:ALA:HB1	1:57:A:LEU:H	7	0.46
(1,150)	1:49:B:ALA:HB2	1:57:A:LEU:H	7	0.46
(1,150)	1:49:B:ALA:HB3	1:57:A:LEU:H	7	0.46
(1,15)	1:55:A:ARG:HB2	1:91:B:MET:HG2	7	0.46
(2,291)	1:62:A:THR:HB	1:24:A:SER:HB2	6	0.45
(2,259)	1:31:B:LYS:HA	1:31:B:LYS:HG3	12	0.45
(2,201)	1:67:B:LYS:H	1:67:B:LYS:HD2	12	0.45
(2,158)	1:95:B:LEU:HD21	1:72:A:ILE:HG12	16	0.45
(2,158)	1:95:B:LEU:HD22	1:72:A:ILE:HG12	16	0.45
(2,158)	1:95:B:LEU:HD23	1:72:A:ILE:HG12	16	0.45
(2,116)	1:59:B:ILE:HD11	1:60:B:PRO:HD2	19	0.45
(2,116)	1:59:B:ILE:HD12	1:60:B:PRO:HD2	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,116)	1:59:B:ILE:HD13	1:60:B:PRO:HD2	19	0.45
(1,3409)	1:94:B:ILE:HA	1:97:B:ARG:HB2	13	0.45
(1,3340)	1:62:B:THR:HA	1:25:B:THR:HB	4	0.45
(1,3339)	1:62:A:THR:HA	1:25:A:THR:HB	4	0.45
(1,3198)	1:48:B:MET:HB2	1:47:B:PHE:HB2	14	0.45
(1,3198)	1:48:B:MET:HB2	1:47:B:PHE:HB2	15	0.45
(1,3197)	1:48:A:MET:HB2	1:47:A:PHE:HB2	15	0.45
(1,3041)	1:27:A:GLN:HA	1:30:A:THR:HB	3	0.45
(1,3038)	1:44:A:LEU:HD11	1:44:A:LEU:H	6	0.45
(1,3038)	1:44:A:LEU:HD12	1:44:A:LEU:H	6	0.45
(1,3038)	1:44:A:LEU:HD13	1:44:A:LEU:H	6	0.45
(1,3037)	1:44:B:LEU:HD11	1:44:B:LEU:H	6	0.45
(1,3037)	1:44:B:LEU:HD12	1:44:B:LEU:H	6	0.45
(1,3037)	1:44:B:LEU:HD13	1:44:B:LEU:H	6	0.45
(1,3003)	1:22:B:ARG:HB3	1:23:B:VAL:HG21	3	0.45
(1,3003)	1:22:B:ARG:HB3	1:23:B:VAL:HG22	3	0.45
(1,3003)	1:22:B:ARG:HB3	1:23:B:VAL:HG23	3	0.45
(1,2808)	1:23:B:VAL:HG11	1:24:B:SER:HA	9	0.45
(1,2808)	1:23:B:VAL:HG12	1:24:B:SER:HA	9	0.45
(1,2808)	1:23:B:VAL:HG13	1:24:B:SER:HA	9	0.45
(1,2808)	1:23:B:VAL:HG11	1:24:B:SER:HA	19	0.45
(1,2808)	1:23:B:VAL:HG12	1:24:B:SER:HA	19	0.45
(1,2808)	1:23:B:VAL:HG13	1:24:B:SER:HA	19	0.45
(1,2806)	1:23:B:VAL:HG21	1:24:B:SER:HA	14	0.45
(1,2806)	1:23:B:VAL:HG22	1:24:B:SER:HA	14	0.45
(1,2806)	1:23:B:VAL:HG23	1:24:B:SER:HA	14	0.45
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB1	8	0.45
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB2	8	0.45
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB3	8	0.45
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB1	8	0.45
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB2	8	0.45
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB3	8	0.45
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB1	8	0.45
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB2	8	0.45
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB3	8	0.45
(1,2722)	1:65:B:ILE:HD11	1:25:B:THR:HA	8	0.45
(1,2722)	1:65:B:ILE:HD12	1:25:B:THR:HA	8	0.45
(1,2722)	1:65:B:ILE:HD13	1:25:B:THR:HA	8	0.45
(1,2722)	1:65:B:ILE:HD11	1:25:B:THR:HA	19	0.45
(1,2722)	1:65:B:ILE:HD12	1:25:B:THR:HA	19	0.45
(1,2722)	1:65:B:ILE:HD13	1:25:B:THR:HA	19	0.45
(1,2721)	1:65:A:ILE:HD11	1:25:A:THR:HA	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2721)	1:65:A:ILE:HD12	1:25:A:THR:HA	8	0.45
(1,2721)	1:65:A:ILE:HD13	1:25:A:THR:HA	8	0.45
(1,2644)	1:78:B:ILE:HD11	1:96:A:ASN:HD21	1	0.45
(1,2644)	1:78:B:ILE:HD12	1:96:A:ASN:HD21	1	0.45
(1,2644)	1:78:B:ILE:HD13	1:96:A:ASN:HD21	1	0.45
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD11	17	0.45
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD12	17	0.45
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD13	17	0.45
(1,2603)	1:82:B:ARG:HA	1:85:B:ARG:HD3	14	0.45
(1,2531)	1:74:B:LYS:HA	1:95:A:LEU:HG	1	0.45
(1,2531)	1:74:B:LYS:HA	1:95:A:LEU:HG	2	0.45
(1,2511)	1:99:A:ARG:HA	1:99:A:ARG:HB2	11	0.45
(1,2511)	1:99:A:ARG:HA	1:99:A:ARG:HB2	13	0.45
(1,2510)	1:99:B:ARG:HA	1:99:B:ARG:HB2	11	0.45
(1,2510)	1:99:B:ARG:HA	1:99:B:ARG:HB2	13	0.45
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG11	16	0.45
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG12	16	0.45
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG13	16	0.45
(1,2386)	1:59:A:ILE:HD11	1:60:A:PRO:HD2	19	0.45
(1,2386)	1:59:A:ILE:HD12	1:60:A:PRO:HD2	19	0.45
(1,2386)	1:59:A:ILE:HD13	1:60:A:PRO:HD2	19	0.45
(1,2355)	1:27:B:GLN:HA	1:29:B:LEU:H	17	0.45
(1,2354)	1:27:A:GLN:HA	1:29:A:LEU:H	17	0.45
(1,2059)	1:57:B:LEU:HD21	1:46:A:LEU:H	3	0.45
(1,2059)	1:57:B:LEU:HD22	1:46:A:LEU:H	3	0.45
(1,2059)	1:57:B:LEU:HD23	1:46:A:LEU:H	3	0.45
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD21	19	0.45
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD22	19	0.45
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD23	19	0.45
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD21	19	0.45
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD22	19	0.45
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD23	19	0.45
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD21	19	0.45
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD22	19	0.45
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD23	19	0.45
(1,1955)	1:98:A:ARG:HD2	1:74:B:LYS:HG2	20	0.45
(1,1859)	1:62:A:THR:HB	1:63:A:ALA:H	17	0.45
(1,1858)	1:62:B:THR:HB	1:63:B:ALA:H	17	0.45
(1,1837)	1:67:A:LYS:H	1:67:A:LYS:HG3	14	0.45
(1,1801)	1:84:A:PHE:HD1	1:85:A:ARG:HA	20	0.45
(1,1801)	1:84:A:PHE:HD2	1:85:A:ARG:HA	20	0.45
(1,1800)	1:84:B:PHE:HD1	1:85:B:ARG:HA	20	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:84:B:PHE:HD2	1:85:B:ARG:HA	20	0.45
(1,1798)	1:84:A:PHE:HD1	1:85:B:ARG:HA	20	0.45
(1,1798)	1:84:A:PHE:HD2	1:85:B:ARG:HA	20	0.45
(1,1432)	1:57:B:LEU:HD21	1:57:B:LEU:H	6	0.45
(1,1432)	1:57:B:LEU:HD22	1:57:B:LEU:H	6	0.45
(1,1432)	1:57:B:LEU:HD23	1:57:B:LEU:H	6	0.45
(1,1432)	1:57:B:LEU:HD21	1:57:B:LEU:H	9	0.45
(1,1432)	1:57:B:LEU:HD22	1:57:B:LEU:H	9	0.45
(1,1432)	1:57:B:LEU:HD23	1:57:B:LEU:H	9	0.45
(1,1432)	1:57:B:LEU:HD21	1:57:B:LEU:H	12	0.45
(1,1432)	1:57:B:LEU:HD22	1:57:B:LEU:H	12	0.45
(1,1432)	1:57:B:LEU:HD23	1:57:B:LEU:H	12	0.45
(1,1421)	1:95:B:LEU:HD11	1:74:A:LYS:HA	2	0.45
(1,1421)	1:95:B:LEU:HD12	1:74:A:LYS:HA	2	0.45
(1,1421)	1:95:B:LEU:HD13	1:74:A:LYS:HA	2	0.45
(1,1357)	1:29:A:LEU:HG	1:28:A:GLN:HE21	15	0.45
(1,1337)	1:95:A:LEU:HD11	1:94:A:ILE:H	10	0.45
(1,1337)	1:95:A:LEU:HD12	1:94:A:ILE:H	10	0.45
(1,1337)	1:95:A:LEU:HD13	1:94:A:ILE:H	10	0.45
(1,1336)	1:95:B:LEU:HD11	1:94:B:ILE:H	10	0.45
(1,1336)	1:95:B:LEU:HD12	1:94:B:ILE:H	10	0.45
(1,1336)	1:95:B:LEU:HD13	1:94:B:ILE:H	10	0.45
(1,1321)	1:38:B:LEU:HG	1:36:B:GLY:HA2	12	0.45
(1,1320)	1:38:A:LEU:HG	1:36:A:GLY:HA2	12	0.45
(1,1149)	1:41:A:ARG:HB2	1:42:A:GLY:H	14	0.45
(1,1070)	1:22:A:ARG:HG2	1:30:A:THR:HB	13	0.45
(1,1053)	1:100:B:ARG:H	1:98:B:ARG:HG2	1	0.45
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD11	15	0.45
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD12	15	0.45
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD13	15	0.45
(1,1009)	1:91:A:MET:HG2	1:92:A:LEU:H	3	0.45
(1,765)	1:51:A:VAL:HG11	1:52:A:ALA:H	16	0.45
(1,765)	1:51:A:VAL:HG12	1:52:A:ALA:H	16	0.45
(1,765)	1:51:A:VAL:HG13	1:52:A:ALA:H	16	0.45
(1,764)	1:51:B:VAL:HG11	1:52:B:ALA:H	16	0.45
(1,764)	1:51:B:VAL:HG12	1:52:B:ALA:H	16	0.45
(1,764)	1:51:B:VAL:HG13	1:52:B:ALA:H	16	0.45
(1,719)	1:44:A:LEU:HD11	1:73:A:LYS:H	7	0.45
(1,719)	1:44:A:LEU:HD12	1:73:A:LYS:H	7	0.45
(1,719)	1:44:A:LEU:HD13	1:73:A:LYS:H	7	0.45
(1,718)	1:44:B:LEU:HD11	1:73:B:LYS:H	7	0.45
(1,718)	1:44:B:LEU:HD12	1:73:B:LYS:H	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:44:B:LEU:HD13	1:73:B:LYS:H	7	0.45
(1,692)	1:54:A:LEU:HA	1:58:A:THR:H	20	0.45
(1,630)	1:31:A:LYS:H	1:30:A:THR:HB	16	0.45
(1,629)	1:31:B:LYS:H	1:30:B:THR:HB	16	0.45
(1,551)	1:25:A:THR:H	1:29:A:LEU:H	9	0.45
(1,550)	1:25:B:THR:H	1:29:B:LEU:H	9	0.45
(1,550)	1:25:B:THR:H	1:29:B:LEU:H	19	0.45
(1,373)	1:56:B:PHE:HD1	1:49:A:ALA:HA	4	0.45
(1,373)	1:56:B:PHE:HD2	1:49:A:ALA:HA	4	0.45
(1,333)	1:62:A:THR:HG21	1:64:A:GLY:HA2	20	0.45
(1,333)	1:62:A:THR:HG22	1:64:A:GLY:HA2	20	0.45
(1,333)	1:62:A:THR:HG23	1:64:A:GLY:HA2	20	0.45
(1,332)	1:62:B:THR:HG21	1:64:B:GLY:HA2	20	0.45
(1,332)	1:62:B:THR:HG22	1:64:B:GLY:HA2	20	0.45
(1,332)	1:62:B:THR:HG23	1:64:B:GLY:HA2	20	0.45
(1,279)	1:41:B:ARG:H	1:38:B:LEU:HA	19	0.45
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD1	9	0.45
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD2	9	0.45
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD1	16	0.45
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD2	16	0.45
(1,70)	1:92:A:LEU:HD21	1:82:B:ARG:HA	20	0.45
(1,70)	1:92:A:LEU:HD22	1:82:B:ARG:HA	20	0.45
(1,70)	1:92:A:LEU:HD23	1:82:B:ARG:HA	20	0.45
(1,30)	1:95:B:LEU:HD11	1:74:A:LYS:HA	2	0.45
(1,30)	1:95:B:LEU:HD12	1:74:A:LYS:HA	2	0.45
(1,30)	1:95:B:LEU:HD13	1:74:A:LYS:HA	2	0.45
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG21	18	0.45
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG22	18	0.45
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG23	18	0.45
(2,259)	1:31:B:LYS:HA	1:31:B:LYS:HG3	6	0.44
(2,259)	1:31:B:LYS:HA	1:31:B:LYS:HG3	9	0.44
(2,259)	1:31:B:LYS:HA	1:31:B:LYS:HG3	16	0.44
(2,220)	1:27:A:GLN:HB2	1:22:A:ARG:HB2	8	0.44
(2,175)	1:21:B:ASN:HB3	1:27:B:GLN:HG3	4	0.44
(2,80)	1:57:A:LEU:HB2	1:59:A:ILE:H	15	0.44
(2,15)	1:24:B:SER:HB3	1:23:B:VAL:H	3	0.44
(2,3)	1:67:B:LYS:H	1:67:B:LYS:HG3	14	0.44
(1,3455)	1:90:B:ARG:HA	1:92:B:LEU:H	12	0.44
(1,3454)	1:90:A:ARG:HA	1:92:A:LEU:H	12	0.44
(1,3439)	1:81:B:LEU:HA	1:82:B:ARG:HA	7	0.44
(1,3438)	1:81:A:LEU:HA	1:82:A:ARG:HA	7	0.44
(1,3414)	1:69:B:TRP:HE1	1:66:B:LEU:HA	5	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3413)	1:69:A:TRP:HE1	1:66:A:LEU:HA	5	0.44
(1,3410)	1:94:A:ILE:HA	1:97:A:ARG:HB2	4	0.44
(1,3406)	1:77:A:ALA:HB1	1:76:A:LYS:H	9	0.44
(1,3406)	1:77:A:ALA:HB2	1:76:A:LYS:H	9	0.44
(1,3406)	1:77:A:ALA:HB3	1:76:A:LYS:H	9	0.44
(1,3405)	1:77:B:ALA:HB1	1:76:B:LYS:H	9	0.44
(1,3405)	1:77:B:ALA:HB2	1:76:B:LYS:H	9	0.44
(1,3405)	1:77:B:ALA:HB3	1:76:B:LYS:H	9	0.44
(1,3386)	1:77:A:ALA:HB1	1:95:B:LEU:HB2	18	0.44
(1,3386)	1:77:A:ALA:HB2	1:95:B:LEU:HB2	18	0.44
(1,3386)	1:77:A:ALA:HB3	1:95:B:LEU:HB2	18	0.44
(1,3382)	1:87:B:GLU:HB3	1:55:A:ARG:HG3	13	0.44
(1,3357)	1:84:B:PHE:HD1	1:87:B:GLU:HA	16	0.44
(1,3357)	1:84:B:PHE:HD2	1:87:B:GLU:HA	16	0.44
(1,3198)	1:48:B:MET:HB2	1:47:B:PHE:HB2	11	0.44
(1,3197)	1:48:A:MET:HB2	1:47:A:PHE:HB2	11	0.44
(1,3197)	1:48:A:MET:HB2	1:47:A:PHE:HB2	14	0.44
(1,3186)	1:76:B:LYS:HB2	1:76:B:LYS:HE3	14	0.44
(1,3186)	1:76:B:LYS:HB3	1:76:B:LYS:HE2	19	0.44
(1,3171)	1:57:B:LEU:HD11	1:53:B:PHE:HB3	11	0.44
(1,3171)	1:57:B:LEU:HD12	1:53:B:PHE:HB3	11	0.44
(1,3171)	1:57:B:LEU:HD13	1:53:B:PHE:HB3	11	0.44
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG21	9	0.44
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG22	9	0.44
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG23	9	0.44
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG21	9	0.44
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG22	9	0.44
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG23	9	0.44
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG21	9	0.44
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG22	9	0.44
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG23	9	0.44
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG21	9	0.44
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG22	9	0.44
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG23	9	0.44
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG21	9	0.44
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG22	9	0.44
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG23	9	0.44
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG21	9	0.44
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG22	9	0.44
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG23	9	0.44
(1,3066)	1:24:A:SER:HB3	1:23:A:VAL:H	3	0.44
(1,3064)	1:69:A:TRP:HE3	1:51:A:VAL:HB	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3040)	1:27:B:GLN:HA	1:30:B:THR:HB	3	0.44
(1,3038)	1:44:A:LEU:HD11	1:44:A:LEU:H	10	0.44
(1,3038)	1:44:A:LEU:HD12	1:44:A:LEU:H	10	0.44
(1,3038)	1:44:A:LEU:HD13	1:44:A:LEU:H	10	0.44
(1,3038)	1:44:A:LEU:HD11	1:44:A:LEU:H	12	0.44
(1,3038)	1:44:A:LEU:HD12	1:44:A:LEU:H	12	0.44
(1,3038)	1:44:A:LEU:HD13	1:44:A:LEU:H	12	0.44
(1,3037)	1:44:B:LEU:HD11	1:44:B:LEU:H	10	0.44
(1,3037)	1:44:B:LEU:HD12	1:44:B:LEU:H	10	0.44
(1,3037)	1:44:B:LEU:HD13	1:44:B:LEU:H	10	0.44
(1,3037)	1:44:B:LEU:HD11	1:44:B:LEU:H	12	0.44
(1,3037)	1:44:B:LEU:HD12	1:44:B:LEU:H	12	0.44
(1,3037)	1:44:B:LEU:HD13	1:44:B:LEU:H	12	0.44
(1,2718)	1:63:A:ALA:HB1	1:66:A:LEU:H	8	0.44
(1,2718)	1:63:A:ALA:HB2	1:66:A:LEU:H	8	0.44
(1,2718)	1:63:A:ALA:HB3	1:66:A:LEU:H	8	0.44
(1,2717)	1:63:B:ALA:HB1	1:66:B:LEU:H	8	0.44
(1,2717)	1:63:B:ALA:HB2	1:66:B:LEU:H	8	0.44
(1,2717)	1:63:B:ALA:HB3	1:66:B:LEU:H	8	0.44
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD1	1	0.44
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD2	1	0.44
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD1	1	0.44
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD2	1	0.44
(1,2645)	1:78:A:ILE:HD11	1:96:B:ASN:HD21	1	0.44
(1,2645)	1:78:A:ILE:HD12	1:96:B:ASN:HD21	1	0.44
(1,2645)	1:78:A:ILE:HD13	1:96:B:ASN:HD21	1	0.44
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG21	19	0.44
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG22	19	0.44
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG23	19	0.44
(1,2552)	1:58:B:THR:HA	1:59:B:ILE:HA	10	0.44
(1,2552)	1:58:B:THR:HA	1:59:B:ILE:HA	15	0.44
(1,2551)	1:58:A:THR:HA	1:59:A:ILE:HA	10	0.44
(1,2551)	1:58:A:THR:HA	1:59:A:ILE:HA	15	0.44
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG11	18	0.44
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG12	18	0.44
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG13	18	0.44
(1,2227)	1:61:B:PRO:HD3	1:61:B:PRO:HA	5	0.44
(1,2227)	1:61:B:PRO:HD3	1:61:B:PRO:HA	9	0.44
(1,2227)	1:61:B:PRO:HD3	1:61:B:PRO:HA	11	0.44
(1,2226)	1:61:A:PRO:HD3	1:61:A:PRO:HA	5	0.44
(1,2226)	1:61:A:PRO:HD3	1:61:A:PRO:HA	9	0.44
(1,2226)	1:61:A:PRO:HD3	1:61:A:PRO:HA	11	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2210)	1:24:B:SER:HB3	1:23:B:VAL:HB	15	0.44
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD1	14	0.44
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD2	14	0.44
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD1	14	0.44
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD2	14	0.44
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD1	14	0.44
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD2	14	0.44
(1,2129)	1:27:B:GLN:HB2	1:22:B:ARG:HB2	8	0.44
(1,2046)	1:67:A:LYS:H	1:67:A:LYS:HD2	12	0.44
(1,1911)	1:94:B:ILE:HG21	1:97:B:ARG:H	3	0.44
(1,1911)	1:94:B:ILE:HG22	1:97:B:ARG:H	3	0.44
(1,1911)	1:94:B:ILE:HG23	1:97:B:ARG:H	3	0.44
(1,1799)	1:84:B:PHE:HD1	1:85:A:ARG:HA	13	0.44
(1,1799)	1:84:B:PHE:HD2	1:85:A:ARG:HA	13	0.44
(1,1799)	1:84:B:PHE:HD1	1:85:A:ARG:HA	15	0.44
(1,1799)	1:84:B:PHE:HD2	1:85:A:ARG:HA	15	0.44
(1,1798)	1:84:A:PHE:HD1	1:85:B:ARG:HA	15	0.44
(1,1798)	1:84:A:PHE:HD2	1:85:B:ARG:HA	15	0.44
(1,1748)	1:88:A:ILE:HG21	1:86:A:LYS:H	16	0.44
(1,1748)	1:88:A:ILE:HG22	1:86:A:LYS:H	16	0.44
(1,1748)	1:88:A:ILE:HG23	1:86:A:LYS:H	16	0.44
(1,1747)	1:88:B:ILE:HG21	1:86:B:LYS:H	16	0.44
(1,1747)	1:88:B:ILE:HG22	1:86:B:LYS:H	16	0.44
(1,1747)	1:88:B:ILE:HG23	1:86:B:LYS:H	16	0.44
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD21	6	0.44
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD22	6	0.44
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD23	6	0.44
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD21	6	0.44
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD22	6	0.44
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD23	6	0.44
(1,1432)	1:57:B:LEU:HD21	1:57:B:LEU:H	1	0.44
(1,1432)	1:57:B:LEU:HD22	1:57:B:LEU:H	1	0.44
(1,1432)	1:57:B:LEU:HD23	1:57:B:LEU:H	1	0.44
(1,1432)	1:57:B:LEU:HD21	1:57:B:LEU:H	2	0.44
(1,1432)	1:57:B:LEU:HD22	1:57:B:LEU:H	2	0.44
(1,1432)	1:57:B:LEU:HD23	1:57:B:LEU:H	2	0.44
(1,1432)	1:57:B:LEU:HD21	1:57:B:LEU:H	14	0.44
(1,1432)	1:57:B:LEU:HD22	1:57:B:LEU:H	14	0.44
(1,1432)	1:57:B:LEU:HD23	1:57:B:LEU:H	14	0.44
(1,1432)	1:57:B:LEU:HD21	1:57:B:LEU:H	17	0.44
(1,1432)	1:57:B:LEU:HD22	1:57:B:LEU:H	17	0.44
(1,1432)	1:57:B:LEU:HD23	1:57:B:LEU:H	17	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1432)	1:57:B:LEU:HD21	1:57:B:LEU:H	20	0.44
(1,1432)	1:57:B:LEU:HD22	1:57:B:LEU:H	20	0.44
(1,1432)	1:57:B:LEU:HD23	1:57:B:LEU:H	20	0.44
(1,1423)	1:44:B:LEU:HD11	1:72:B:ILE:HA	20	0.44
(1,1423)	1:44:B:LEU:HD12	1:72:B:ILE:HA	20	0.44
(1,1423)	1:44:B:LEU:HD13	1:72:B:ILE:HA	20	0.44
(1,1422)	1:44:A:LEU:HD11	1:72:A:ILE:HA	20	0.44
(1,1422)	1:44:A:LEU:HD12	1:72:A:ILE:HA	20	0.44
(1,1422)	1:44:A:LEU:HD13	1:72:A:ILE:HA	20	0.44
(1,1358)	1:29:B:LEU:HG	1:28:B:GLN:HE21	9	0.44
(1,1358)	1:29:B:LEU:HG	1:28:B:GLN:HE21	15	0.44
(1,1357)	1:29:A:LEU:HG	1:28:A:GLN:HE21	9	0.44
(1,1195)	1:42:A:GLY:HA2	1:43:A:PRO:HG3	4	0.44
(1,1194)	1:42:B:GLY:HA2	1:43:B:PRO:HG3	4	0.44
(1,1148)	1:41:B:ARG:HB2	1:42:B:GLY:H	14	0.44
(1,1124)	1:57:B:LEU:HD21	1:46:A:LEU:HA	1	0.44
(1,1124)	1:57:B:LEU:HD22	1:46:A:LEU:HA	1	0.44
(1,1124)	1:57:B:LEU:HD23	1:46:A:LEU:HA	1	0.44
(1,1114)	1:92:A:LEU:HD21	1:82:B:ARG:H	2	0.44
(1,1114)	1:92:A:LEU:HD22	1:82:B:ARG:H	2	0.44
(1,1114)	1:92:A:LEU:HD23	1:82:B:ARG:H	2	0.44
(1,1114)	1:92:A:LEU:HD21	1:82:B:ARG:H	15	0.44
(1,1114)	1:92:A:LEU:HD22	1:82:B:ARG:H	15	0.44
(1,1114)	1:92:A:LEU:HD23	1:82:B:ARG:H	15	0.44
(1,1063)	1:27:A:GLN:H	1:29:A:LEU:H	18	0.44
(1,1062)	1:27:B:GLN:H	1:29:B:LEU:H	18	0.44
(1,1052)	1:100:A:ARG:H	1:98:A:ARG:HG2	1	0.44
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD11	1	0.44
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD12	1	0.44
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD13	1	0.44
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD11	20	0.44
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD12	20	0.44
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD13	20	0.44
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD11	1	0.44
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD12	1	0.44
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD13	1	0.44
(1,948)	1:31:A:LYS:HA	1:31:A:LYS:HG3	6	0.44
(1,767)	1:25:B:THR:HG21	1:54:B:LEU:HG	3	0.44
(1,767)	1:25:B:THR:HG22	1:54:B:LEU:HG	3	0.44
(1,767)	1:25:B:THR:HG23	1:54:B:LEU:HG	3	0.44
(1,766)	1:25:A:THR:HG21	1:54:A:LEU:HG	3	0.44
(1,766)	1:25:A:THR:HG22	1:54:A:LEU:HG	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,766)	1:25:A:THR:HG23	1:54:A:LEU:HG	3	0.44
(1,736)	1:57:B:LEU:HB2	1:59:B:ILE:H	15	0.44
(1,693)	1:54:B:LEU:HA	1:58:B:THR:H	20	0.44
(1,551)	1:25:A:THR:H	1:29:A:LEU:H	19	0.44
(1,374)	1:56:A:PHE:HD1	1:49:B:ALA:HA	4	0.44
(1,374)	1:56:A:PHE:HD2	1:49:B:ALA:HA	4	0.44
(1,251)	1:24:B:SER:HB3	1:23:B:VAL:HB	15	0.44
(1,229)	1:74:B:LYS:HE3	1:98:A:ARG:HD2	3	0.44
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG3	19	0.44
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG3	19	0.44
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG3	19	0.44
(1,149)	1:49:A:ALA:HB1	1:57:B:LEU:H	7	0.44
(1,149)	1:49:A:ALA:HB2	1:57:B:LEU:H	7	0.44
(1,149)	1:49:A:ALA:HB3	1:57:B:LEU:H	7	0.44
(1,71)	1:92:B:LEU:HD21	1:82:A:ARG:HA	20	0.44
(1,71)	1:92:B:LEU:HD22	1:82:A:ARG:HA	20	0.44
(1,71)	1:92:B:LEU:HD23	1:82:A:ARG:HA	20	0.44
(1,45)	1:95:B:LEU:HA	1:74:A:LYS:HE3	18	0.44
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG21	18	0.44
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG22	18	0.44
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG23	18	0.44
(2,357)	1:21:A:ASN:HB3	1:27:A:GLN:HG3	4	0.43
(2,266)	1:22:B:ARG:HB2	1:22:B:ARG:HD2	13	0.43
(2,259)	1:31:B:LYS:HA	1:31:B:LYS:HG3	3	0.43
(2,259)	1:31:B:LYS:HA	1:31:B:LYS:HG3	8	0.43
(2,259)	1:31:B:LYS:HA	1:31:B:LYS:HG3	10	0.43
(2,164)	1:81:B:LEU:H	1:84:B:PHE:HB3	12	0.43
(1,3461)	1:99:B:ARG:H	1:100:B:ARG:HB2	18	0.43
(1,3410)	1:94:A:ILE:HA	1:97:A:ARG:HB2	11	0.43
(1,3409)	1:94:B:ILE:HA	1:97:B:ARG:HB2	4	0.43
(1,3409)	1:94:B:ILE:HA	1:97:B:ARG:HB2	11	0.43
(1,3356)	1:84:A:PHE:HD1	1:87:A:GLU:HA	16	0.43
(1,3356)	1:84:A:PHE:HD2	1:87:A:GLU:HA	16	0.43
(1,3253)	1:49:B:ALA:HB1	1:53:B:PHE:H	3	0.43
(1,3253)	1:49:B:ALA:HB2	1:53:B:PHE:H	3	0.43
(1,3253)	1:49:B:ALA:HB3	1:53:B:PHE:H	3	0.43
(1,3252)	1:49:A:ALA:HB1	1:53:A:PHE:H	3	0.43
(1,3252)	1:49:A:ALA:HB2	1:53:A:PHE:H	3	0.43
(1,3252)	1:49:A:ALA:HB3	1:53:A:PHE:H	3	0.43
(1,3198)	1:48:B:MET:HB2	1:47:B:PHE:HB2	10	0.43
(1,3197)	1:48:A:MET:HB2	1:47:A:PHE:HB2	10	0.43
(1,3192)	1:66:B:LEU:HD11	1:60:B:PRO:HA	9	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3192)	1:66:B:LEU:HD12	1:60:B:PRO:HA	9	0.43
(1,3192)	1:66:B:LEU:HD13	1:60:B:PRO:HA	9	0.43
(1,3186)	1:76:B:LYS:HB2	1:76:B:LYS:HE2	8	0.43
(1,3186)	1:76:B:LYS:HB3	1:76:B:LYS:HE2	10	0.43
(1,3065)	1:69:B:TRP:HE3	1:51:B:VAL:HB	9	0.43
(1,3049)	1:55:A:ARG:HA	1:55:A:ARG:HD3	1	0.43
(1,3048)	1:55:B:ARG:HA	1:55:B:ARG:HD3	1	0.43
(1,3038)	1:44:A:LEU:HD11	1:44:A:LEU:H	7	0.43
(1,3038)	1:44:A:LEU:HD12	1:44:A:LEU:H	7	0.43
(1,3038)	1:44:A:LEU:HD13	1:44:A:LEU:H	7	0.43
(1,3038)	1:44:A:LEU:HD11	1:44:A:LEU:H	15	0.43
(1,3038)	1:44:A:LEU:HD12	1:44:A:LEU:H	15	0.43
(1,3038)	1:44:A:LEU:HD13	1:44:A:LEU:H	15	0.43
(1,3038)	1:44:A:LEU:HD11	1:44:A:LEU:H	17	0.43
(1,3038)	1:44:A:LEU:HD12	1:44:A:LEU:H	17	0.43
(1,3038)	1:44:A:LEU:HD13	1:44:A:LEU:H	17	0.43
(1,3038)	1:44:A:LEU:HD11	1:44:A:LEU:H	20	0.43
(1,3038)	1:44:A:LEU:HD12	1:44:A:LEU:H	20	0.43
(1,3038)	1:44:A:LEU:HD13	1:44:A:LEU:H	20	0.43
(1,3037)	1:44:B:LEU:HD11	1:44:B:LEU:H	4	0.43
(1,3037)	1:44:B:LEU:HD12	1:44:B:LEU:H	4	0.43
(1,3037)	1:44:B:LEU:HD13	1:44:B:LEU:H	4	0.43
(1,3037)	1:44:B:LEU:HD11	1:44:B:LEU:H	7	0.43
(1,3037)	1:44:B:LEU:HD12	1:44:B:LEU:H	7	0.43
(1,3037)	1:44:B:LEU:HD13	1:44:B:LEU:H	7	0.43
(1,3037)	1:44:B:LEU:HD11	1:44:B:LEU:H	15	0.43
(1,3037)	1:44:B:LEU:HD12	1:44:B:LEU:H	15	0.43
(1,3037)	1:44:B:LEU:HD13	1:44:B:LEU:H	15	0.43
(1,3037)	1:44:B:LEU:HD11	1:44:B:LEU:H	17	0.43
(1,3037)	1:44:B:LEU:HD12	1:44:B:LEU:H	17	0.43
(1,3037)	1:44:B:LEU:HD13	1:44:B:LEU:H	17	0.43
(1,3037)	1:44:B:LEU:HD11	1:44:B:LEU:H	19	0.43
(1,3037)	1:44:B:LEU:HD12	1:44:B:LEU:H	19	0.43
(1,3037)	1:44:B:LEU:HD13	1:44:B:LEU:H	19	0.43
(1,3037)	1:44:B:LEU:HD11	1:44:B:LEU:H	20	0.43
(1,3037)	1:44:B:LEU:HD12	1:44:B:LEU:H	20	0.43
(1,3037)	1:44:B:LEU:HD13	1:44:B:LEU:H	20	0.43
(1,2822)	1:59:B:ILE:HD11	1:54:B:LEU:HA	11	0.43
(1,2822)	1:59:B:ILE:HD12	1:54:B:LEU:HA	11	0.43
(1,2822)	1:59:B:ILE:HD13	1:54:B:LEU:HA	11	0.43
(1,2821)	1:59:A:ILE:HD11	1:54:A:LEU:HA	11	0.43
(1,2821)	1:59:A:ILE:HD12	1:54:A:LEU:HA	11	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2821)	1:59:A:ILE:HD13	1:54:A:LEU:HA	11	0.43
(1,2809)	1:23:A:VAL:HG11	1:24:A:SER:HA	13	0.43
(1,2809)	1:23:A:VAL:HG12	1:24:A:SER:HA	13	0.43
(1,2809)	1:23:A:VAL:HG13	1:24:A:SER:HA	13	0.43
(1,2809)	1:23:A:VAL:HG21	1:24:A:SER:HA	15	0.43
(1,2809)	1:23:A:VAL:HG22	1:24:A:SER:HA	15	0.43
(1,2809)	1:23:A:VAL:HG23	1:24:A:SER:HA	15	0.43
(1,2808)	1:23:B:VAL:HG11	1:24:B:SER:HA	5	0.43
(1,2808)	1:23:B:VAL:HG12	1:24:B:SER:HA	5	0.43
(1,2808)	1:23:B:VAL:HG13	1:24:B:SER:HA	5	0.43
(1,2807)	1:23:A:VAL:HG11	1:24:A:SER:HA	13	0.43
(1,2807)	1:23:A:VAL:HG12	1:24:A:SER:HA	13	0.43
(1,2807)	1:23:A:VAL:HG13	1:24:A:SER:HA	13	0.43
(1,2807)	1:23:A:VAL:HG21	1:24:A:SER:HA	15	0.43
(1,2807)	1:23:A:VAL:HG22	1:24:A:SER:HA	15	0.43
(1,2807)	1:23:A:VAL:HG23	1:24:A:SER:HA	15	0.43
(1,2806)	1:23:B:VAL:HG21	1:24:B:SER:HA	6	0.43
(1,2806)	1:23:B:VAL:HG22	1:24:B:SER:HA	6	0.43
(1,2806)	1:23:B:VAL:HG23	1:24:B:SER:HA	6	0.43
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB1	1	0.43
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB2	1	0.43
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB3	1	0.43
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB1	1	0.43
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB2	1	0.43
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB3	1	0.43
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB1	1	0.43
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB2	1	0.43
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB3	1	0.43
(1,2722)	1:65:B:ILE:HD11	1:25:B:THR:HA	3	0.43
(1,2722)	1:65:B:ILE:HD12	1:25:B:THR:HA	3	0.43
(1,2722)	1:65:B:ILE:HD13	1:25:B:THR:HA	3	0.43
(1,2721)	1:65:A:ILE:HD11	1:25:A:THR:HA	3	0.43
(1,2721)	1:65:A:ILE:HD12	1:25:A:THR:HA	3	0.43
(1,2721)	1:65:A:ILE:HD13	1:25:A:THR:HA	3	0.43
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD1	5	0.43
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD2	5	0.43
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD1	5	0.43
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD2	5	0.43
(1,2680)	1:95:A:LEU:HB2	1:74:B:LYS:HD2	12	0.43
(1,2619)	1:87:B:GLU:H	1:90:B:ARG:HD2	1	0.43
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG21	8	0.43
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG22	8	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG23	8	0.43
(1,2227)	1:61:B:PRO:HD3	1:61:B:PRO:HA	2	0.43
(1,2211)	1:24:A:SER:HB3	1:23:A:VAL:HB	15	0.43
(1,2034)	1:26:B:VAL:HA	1:25:B:THR:HA	9	0.43
(1,2033)	1:26:A:VAL:HA	1:25:A:THR:HA	9	0.43
(1,1999)	1:72:A:ILE:HD11	1:73:A:LYS:H	6	0.43
(1,1999)	1:72:A:ILE:HD12	1:73:A:LYS:H	6	0.43
(1,1999)	1:72:A:ILE:HD13	1:73:A:LYS:H	6	0.43
(1,1912)	1:94:A:ILE:HG21	1:97:A:ARG:H	3	0.43
(1,1912)	1:94:A:ILE:HG22	1:97:A:ARG:H	3	0.43
(1,1912)	1:94:A:ILE:HG23	1:97:A:ARG:H	3	0.43
(1,1912)	1:94:A:ILE:HG21	1:97:A:ARG:H	19	0.43
(1,1912)	1:94:A:ILE:HG22	1:97:A:ARG:H	19	0.43
(1,1912)	1:94:A:ILE:HG23	1:97:A:ARG:H	19	0.43
(1,1911)	1:94:B:ILE:HG21	1:97:B:ARG:H	19	0.43
(1,1911)	1:94:B:ILE:HG22	1:97:B:ARG:H	19	0.43
(1,1911)	1:94:B:ILE:HG23	1:97:B:ARG:H	19	0.43
(1,1836)	1:65:B:ILE:HG21	1:51:B:VAL:HA	1	0.43
(1,1836)	1:65:B:ILE:HG22	1:51:B:VAL:HA	1	0.43
(1,1836)	1:65:B:ILE:HG23	1:51:B:VAL:HA	1	0.43
(1,1835)	1:65:A:ILE:HG21	1:51:A:VAL:HA	1	0.43
(1,1835)	1:65:A:ILE:HG22	1:51:A:VAL:HA	1	0.43
(1,1835)	1:65:A:ILE:HG23	1:51:A:VAL:HA	1	0.43
(1,1798)	1:84:A:PHE:HD1	1:85:B:ARG:HA	14	0.43
(1,1798)	1:84:A:PHE:HD2	1:85:B:ARG:HA	14	0.43
(1,1798)	1:84:A:PHE:HD1	1:85:B:ARG:HA	18	0.43
(1,1798)	1:84:A:PHE:HD2	1:85:B:ARG:HA	18	0.43
(1,1762)	1:86:B:LYS:HA	1:86:B:LYS:HG2	14	0.43
(1,1761)	1:86:A:LYS:HA	1:86:A:LYS:HG2	14	0.43
(1,1500)	1:65:A:ILE:HD11	1:66:A:LEU:H	9	0.43
(1,1500)	1:65:A:ILE:HD12	1:66:A:LEU:H	9	0.43
(1,1500)	1:65:A:ILE:HD13	1:66:A:LEU:H	9	0.43
(1,1499)	1:65:B:ILE:HD11	1:66:B:LEU:H	9	0.43
(1,1499)	1:65:B:ILE:HD12	1:66:B:LEU:H	9	0.43
(1,1499)	1:65:B:ILE:HD13	1:66:B:LEU:H	9	0.43
(1,1439)	1:57:A:LEU:HD21	1:59:A:ILE:H	6	0.43
(1,1439)	1:57:A:LEU:HD22	1:59:A:ILE:H	6	0.43
(1,1439)	1:57:A:LEU:HD23	1:59:A:ILE:H	6	0.43
(1,1438)	1:57:B:LEU:HD21	1:59:B:ILE:H	6	0.43
(1,1438)	1:57:B:LEU:HD22	1:59:B:ILE:H	6	0.43
(1,1438)	1:57:B:LEU:HD23	1:59:B:ILE:H	6	0.43
(1,1432)	1:57:B:LEU:HD21	1:57:B:LEU:H	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1432)	1:57:B:LEU:HD22	1:57:B:LEU:H	18	0.43
(1,1432)	1:57:B:LEU:HD23	1:57:B:LEU:H	18	0.43
(1,1374)	1:80:A:VAL:HG21	1:48:A:MET:H	5	0.43
(1,1374)	1:80:A:VAL:HG22	1:48:A:MET:H	5	0.43
(1,1374)	1:80:A:VAL:HG23	1:48:A:MET:H	5	0.43
(1,1312)	1:95:B:LEU:HD11	1:69:A:TRP:HH2	16	0.43
(1,1312)	1:95:B:LEU:HD12	1:69:A:TRP:HH2	16	0.43
(1,1312)	1:95:B:LEU:HD13	1:69:A:TRP:HH2	16	0.43
(1,1149)	1:41:A:ARG:HB2	1:42:A:GLY:H	13	0.43
(1,1148)	1:41:B:ARG:HB2	1:42:B:GLY:H	13	0.43
(1,1115)	1:92:B:LEU:HD21	1:82:A:ARG:H	14	0.43
(1,1115)	1:92:B:LEU:HD22	1:82:A:ARG:H	14	0.43
(1,1115)	1:92:B:LEU:HD23	1:82:A:ARG:H	14	0.43
(1,1071)	1:22:B:ARG:HG2	1:30:B:THR:HB	11	0.43
(1,1063)	1:27:A:GLN:H	1:29:A:LEU:H	8	0.43
(1,1063)	1:27:A:GLN:H	1:29:A:LEU:H	14	0.43
(1,1062)	1:27:B:GLN:H	1:29:B:LEU:H	14	0.43
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD11	14	0.43
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD12	14	0.43
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD13	14	0.43
(1,1009)	1:91:A:MET:HG2	1:92:A:LEU:H	5	0.43
(1,1009)	1:91:A:MET:HG2	1:92:A:LEU:H	7	0.43
(1,1009)	1:91:A:MET:HG2	1:92:A:LEU:H	15	0.43
(1,948)	1:31:A:LYS:HA	1:31:A:LYS:HG3	3	0.43
(1,948)	1:31:A:LYS:HA	1:31:A:LYS:HG3	8	0.43
(1,948)	1:31:A:LYS:HA	1:31:A:LYS:HG3	9	0.43
(1,948)	1:31:A:LYS:HA	1:31:A:LYS:HG3	16	0.43
(1,823)	1:63:A:ALA:HA	1:67:A:LYS:HD2	20	0.43
(1,737)	1:41:A:ARG:HB3	1:41:A:ARG:HA	19	0.43
(1,736)	1:57:B:LEU:HB2	1:59:B:ILE:H	10	0.43
(1,711)	1:66:B:LEU:H	1:64:B:GLY:H	9	0.43
(1,711)	1:66:B:LEU:H	1:64:B:GLY:H	11	0.43
(1,710)	1:66:A:LEU:H	1:64:A:GLY:H	11	0.43
(1,559)	1:65:A:ILE:HD11	1:51:A:VAL:HA	10	0.43
(1,559)	1:65:A:ILE:HD12	1:51:A:VAL:HA	10	0.43
(1,559)	1:65:A:ILE:HD13	1:51:A:VAL:HA	10	0.43
(1,332)	1:62:B:THR:HG21	1:64:B:GLY:HA2	1	0.43
(1,332)	1:62:B:THR:HG22	1:64:B:GLY:HA2	1	0.43
(1,332)	1:62:B:THR:HG23	1:64:B:GLY:HA2	1	0.43
(1,252)	1:24:A:SER:HB3	1:23:A:VAL:HB	15	0.43
(1,229)	1:74:B:LYS:HE3	1:98:A:ARG:HD2	13	0.43
(1,145)	1:69:B:TRP:HH2	1:95:A:LEU:H	15	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,145)	1:69:B:TRP:HH2	1:95:A:LEU:H	16	0.43
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD1	2	0.43
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD2	2	0.43
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD1	16	0.43
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD2	16	0.43
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD1	2	0.43
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD2	2	0.43
(1,71)	1:92:B:LEU:HD21	1:82:A:ARG:HA	6	0.43
(1,71)	1:92:B:LEU:HD22	1:82:A:ARG:HA	6	0.43
(1,71)	1:92:B:LEU:HD23	1:82:A:ARG:HA	6	0.43
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG21	19	0.43
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG22	19	0.43
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG23	19	0.43
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG21	19	0.43
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG22	19	0.43
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG23	19	0.43
(2,338)	1:63:B:ALA:HA	1:67:B:LYS:HD2	20	0.42
(2,266)	1:22:B:ARG:HB2	1:22:B:ARG:HD2	17	0.42
(2,228)	1:93:B:ASN:HD21	1:89:B:GLY:HA3	14	0.42
(2,135)	1:67:B:LYS:HA	1:67:B:LYS:HD3	3	0.42
(2,80)	1:57:A:LEU:HB2	1:59:A:ILE:H	10	0.42
(1,3410)	1:94:A:ILE:HA	1:97:A:ARG:HB2	19	0.42
(1,3375)	1:94:A:ILE:HD11	1:66:B:LEU:HA	5	0.42
(1,3375)	1:94:A:ILE:HD12	1:66:B:LEU:HA	5	0.42
(1,3375)	1:94:A:ILE:HD13	1:66:B:LEU:HA	5	0.42
(1,3333)	1:97:B:ARG:HA	1:94:B:ILE:HA	6	0.42
(1,3279)	1:88:A:ILE:HG12	1:52:B:ALA:HA	1	0.42
(1,3270)	1:44:A:LEU:H	1:47:A:PHE:HB2	5	0.42
(1,3186)	1:76:B:LYS:HB3	1:76:B:LYS:HE3	1	0.42
(1,3186)	1:76:B:LYS:HB3	1:76:B:LYS:HE3	5	0.42
(1,3186)	1:76:B:LYS:HB3	1:76:B:LYS:HE2	16	0.42
(1,3171)	1:57:B:LEU:HD11	1:53:B:PHE:HB3	12	0.42
(1,3171)	1:57:B:LEU:HD12	1:53:B:PHE:HB3	12	0.42
(1,3171)	1:57:B:LEU:HD13	1:53:B:PHE:HB3	12	0.42
(1,3041)	1:27:A:GLN:HA	1:30:A:THR:HB	16	0.42
(1,3040)	1:27:B:GLN:HA	1:30:B:THR:HB	16	0.42
(1,3038)	1:44:A:LEU:HD11	1:44:A:LEU:H	4	0.42
(1,3038)	1:44:A:LEU:HD12	1:44:A:LEU:H	4	0.42
(1,3038)	1:44:A:LEU:HD13	1:44:A:LEU:H	4	0.42
(1,3038)	1:44:A:LEU:HD11	1:44:A:LEU:H	5	0.42
(1,3038)	1:44:A:LEU:HD12	1:44:A:LEU:H	5	0.42
(1,3038)	1:44:A:LEU:HD13	1:44:A:LEU:H	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3038)	1:44:A:LEU:HD11	1:44:A:LEU:H	14	0.42
(1,3038)	1:44:A:LEU:HD12	1:44:A:LEU:H	14	0.42
(1,3038)	1:44:A:LEU:HD13	1:44:A:LEU:H	14	0.42
(1,3038)	1:44:A:LEU:HD11	1:44:A:LEU:H	19	0.42
(1,3038)	1:44:A:LEU:HD12	1:44:A:LEU:H	19	0.42
(1,3038)	1:44:A:LEU:HD13	1:44:A:LEU:H	19	0.42
(1,3037)	1:44:B:LEU:HD11	1:44:B:LEU:H	5	0.42
(1,3037)	1:44:B:LEU:HD12	1:44:B:LEU:H	5	0.42
(1,3037)	1:44:B:LEU:HD13	1:44:B:LEU:H	5	0.42
(1,3037)	1:44:B:LEU:HD11	1:44:B:LEU:H	14	0.42
(1,3037)	1:44:B:LEU:HD12	1:44:B:LEU:H	14	0.42
(1,3037)	1:44:B:LEU:HD13	1:44:B:LEU:H	14	0.42
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD11	16	0.42
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD12	16	0.42
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD13	16	0.42
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD11	16	0.42
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD12	16	0.42
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD13	16	0.42
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD11	16	0.42
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD12	16	0.42
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD13	16	0.42
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD11	16	0.42
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD12	16	0.42
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD13	16	0.42
(1,2954)	1:38:B:LEU:HD11	1:36:B:GLY:HA3	17	0.42
(1,2954)	1:38:B:LEU:HD12	1:36:B:GLY:HA3	17	0.42
(1,2954)	1:38:B:LEU:HD13	1:36:B:GLY:HA3	17	0.42
(1,2872)	1:67:A:LYS:HA	1:67:A:LYS:HD3	3	0.42
(1,2808)	1:23:B:VAL:HG11	1:24:B:SER:HA	13	0.42
(1,2808)	1:23:B:VAL:HG12	1:24:B:SER:HA	13	0.42
(1,2808)	1:23:B:VAL:HG13	1:24:B:SER:HA	13	0.42
(1,2808)	1:23:B:VAL:HG11	1:24:B:SER:HA	18	0.42
(1,2808)	1:23:B:VAL:HG12	1:24:B:SER:HA	18	0.42
(1,2808)	1:23:B:VAL:HG13	1:24:B:SER:HA	18	0.42
(1,2808)	1:23:B:VAL:HG11	1:24:B:SER:HA	20	0.42
(1,2808)	1:23:B:VAL:HG12	1:24:B:SER:HA	20	0.42
(1,2808)	1:23:B:VAL:HG13	1:24:B:SER:HA	20	0.42
(1,2806)	1:23:B:VAL:HG21	1:24:B:SER:HA	15	0.42
(1,2806)	1:23:B:VAL:HG22	1:24:B:SER:HA	15	0.42
(1,2806)	1:23:B:VAL:HG23	1:24:B:SER:HA	15	0.42
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB1	16	0.42
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB2	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB3	16	0.42
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB1	16	0.42
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB2	16	0.42
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB3	16	0.42
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB1	16	0.42
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB2	16	0.42
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB3	16	0.42
(1,2722)	1:65:B:ILE:HD11	1:25:B:THR:HA	15	0.42
(1,2722)	1:65:B:ILE:HD12	1:25:B:THR:HA	15	0.42
(1,2722)	1:65:B:ILE:HD13	1:25:B:THR:HA	15	0.42
(1,2721)	1:65:A:ILE:HD11	1:25:A:THR:HA	15	0.42
(1,2721)	1:65:A:ILE:HD12	1:25:A:THR:HA	15	0.42
(1,2721)	1:65:A:ILE:HD13	1:25:A:THR:HA	15	0.42
(1,2718)	1:63:A:ALA:HB1	1:66:A:LEU:H	4	0.42
(1,2718)	1:63:A:ALA:HB2	1:66:A:LEU:H	4	0.42
(1,2718)	1:63:A:ALA:HB3	1:66:A:LEU:H	4	0.42
(1,2717)	1:63:B:ALA:HB1	1:66:B:LEU:H	4	0.42
(1,2717)	1:63:B:ALA:HB2	1:66:B:LEU:H	4	0.42
(1,2717)	1:63:B:ALA:HB3	1:66:B:LEU:H	4	0.42
(1,2684)	1:46:A:LEU:H	1:47:A:PHE:HB2	12	0.42
(1,2681)	1:95:B:LEU:HB2	1:74:A:LYS:HD2	12	0.42
(1,2618)	1:87:A:GLU:H	1:90:A:ARG:HD2	1	0.42
(1,2557)	1:94:A:ILE:HG21	1:74:B:LYS:HE2	9	0.42
(1,2557)	1:94:A:ILE:HG22	1:74:B:LYS:HE2	9	0.42
(1,2557)	1:94:A:ILE:HG23	1:74:B:LYS:HE2	9	0.42
(1,2480)	1:87:B:GLU:HA	1:86:B:LYS:HG3	16	0.42
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD11	16	0.42
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD12	16	0.42
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD13	16	0.42
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG11	14	0.42
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG12	14	0.42
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG13	14	0.42
(1,2227)	1:61:B:PRO:HD3	1:61:B:PRO:HA	7	0.42
(1,2226)	1:61:A:PRO:HD3	1:61:A:PRO:HA	2	0.42
(1,2226)	1:61:A:PRO:HD3	1:61:A:PRO:HA	7	0.42
(1,1999)	1:72:A:ILE:HD11	1:73:A:LYS:H	11	0.42
(1,1999)	1:72:A:ILE:HD12	1:73:A:LYS:H	11	0.42
(1,1999)	1:72:A:ILE:HD13	1:73:A:LYS:H	11	0.42
(1,1998)	1:72:B:ILE:HD11	1:73:B:LYS:H	6	0.42
(1,1998)	1:72:B:ILE:HD12	1:73:B:LYS:H	6	0.42
(1,1998)	1:72:B:ILE:HD13	1:73:B:LYS:H	6	0.42
(1,1998)	1:72:B:ILE:HD11	1:73:B:LYS:H	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1998)	1:72:B:ILE:HD12	1:73:B:LYS:H	11	0.42
(1,1998)	1:72:B:ILE:HD13	1:73:B:LYS:H	11	0.42
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD11	17	0.42
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD12	17	0.42
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD13	17	0.42
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD11	20	0.42
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD12	20	0.42
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD13	20	0.42
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD11	17	0.42
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD12	17	0.42
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD13	17	0.42
(1,1799)	1:84:B:PHE:HD1	1:85:A:ARG:HA	14	0.42
(1,1799)	1:84:B:PHE:HD2	1:85:A:ARG:HA	14	0.42
(1,1698)	1:81:A:LEU:H	1:84:A:PHE:HB3	12	0.42
(1,1604)	1:93:A:ASN:HD21	1:89:A:GLY:HA3	14	0.42
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD21	4	0.42
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD22	4	0.42
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD23	4	0.42
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD21	4	0.42
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD22	4	0.42
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD23	4	0.42
(1,1432)	1:57:B:LEU:HD21	1:57:B:LEU:H	13	0.42
(1,1432)	1:57:B:LEU:HD22	1:57:B:LEU:H	13	0.42
(1,1432)	1:57:B:LEU:HD23	1:57:B:LEU:H	13	0.42
(1,1432)	1:57:B:LEU:HD21	1:57:B:LEU:H	16	0.42
(1,1432)	1:57:B:LEU:HD22	1:57:B:LEU:H	16	0.42
(1,1432)	1:57:B:LEU:HD23	1:57:B:LEU:H	16	0.42
(1,1337)	1:95:A:LEU:HD11	1:94:A:ILE:H	8	0.42
(1,1337)	1:95:A:LEU:HD12	1:94:A:ILE:H	8	0.42
(1,1337)	1:95:A:LEU:HD13	1:94:A:ILE:H	8	0.42
(1,1337)	1:95:A:LEU:HD11	1:94:A:ILE:H	18	0.42
(1,1337)	1:95:A:LEU:HD12	1:94:A:ILE:H	18	0.42
(1,1337)	1:95:A:LEU:HD13	1:94:A:ILE:H	18	0.42
(1,1336)	1:95:B:LEU:HD11	1:94:B:ILE:H	8	0.42
(1,1336)	1:95:B:LEU:HD12	1:94:B:ILE:H	8	0.42
(1,1336)	1:95:B:LEU:HD13	1:94:B:ILE:H	8	0.42
(1,1336)	1:95:B:LEU:HD11	1:94:B:ILE:H	18	0.42
(1,1336)	1:95:B:LEU:HD12	1:94:B:ILE:H	18	0.42
(1,1336)	1:95:B:LEU:HD13	1:94:B:ILE:H	18	0.42
(1,1311)	1:95:A:LEU:HD11	1:69:B:TRP:HH2	16	0.42
(1,1311)	1:95:A:LEU:HD12	1:69:B:TRP:HH2	16	0.42
(1,1311)	1:95:A:LEU:HD13	1:69:B:TRP:HH2	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1183)	1:61:A:PRO:HA	1:65:A:ILE:HG21	6	0.42
(1,1183)	1:61:A:PRO:HA	1:65:A:ILE:HG22	6	0.42
(1,1183)	1:61:A:PRO:HA	1:65:A:ILE:HG23	6	0.42
(1,1182)	1:61:B:PRO:HA	1:65:B:ILE:HG21	6	0.42
(1,1182)	1:61:B:PRO:HA	1:65:B:ILE:HG22	6	0.42
(1,1182)	1:61:B:PRO:HA	1:65:B:ILE:HG23	6	0.42
(1,1070)	1:22:A:ARG:HG2	1:30:A:THR:HB	11	0.42
(1,1062)	1:27:B:GLN:H	1:29:B:LEU:H	8	0.42
(1,980)	1:25:A:THR:HG21	1:27:A:GLN:H	3	0.42
(1,980)	1:25:A:THR:HG22	1:27:A:GLN:H	3	0.42
(1,980)	1:25:A:THR:HG23	1:27:A:GLN:H	3	0.42
(1,979)	1:25:B:THR:HG21	1:27:B:GLN:H	3	0.42
(1,979)	1:25:B:THR:HG22	1:27:B:GLN:H	3	0.42
(1,979)	1:25:B:THR:HG23	1:27:B:GLN:H	3	0.42
(1,948)	1:31:A:LYS:HA	1:31:A:LYS:HG3	10	0.42
(1,916)	1:69:B:TRP:HZ2	1:95:A:LEU:HG	11	0.42
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD21	15	0.42
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD22	15	0.42
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD23	15	0.42
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG21	9	0.42
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG22	9	0.42
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG23	9	0.42
(1,805)	1:65:A:ILE:HG21	1:51:A:VAL:H	3	0.42
(1,805)	1:65:A:ILE:HG22	1:51:A:VAL:H	3	0.42
(1,805)	1:65:A:ILE:HG23	1:51:A:VAL:H	3	0.42
(1,804)	1:65:B:ILE:HG21	1:51:B:VAL:H	3	0.42
(1,804)	1:65:B:ILE:HG22	1:51:B:VAL:H	3	0.42
(1,804)	1:65:B:ILE:HG23	1:51:B:VAL:H	3	0.42
(1,788)	1:57:B:LEU:HD21	1:49:A:ALA:H	20	0.42
(1,788)	1:57:B:LEU:HD22	1:49:A:ALA:H	20	0.42
(1,788)	1:57:B:LEU:HD23	1:49:A:ALA:H	20	0.42
(1,738)	1:41:B:ARG:HB3	1:41:B:ARG:HA	19	0.42
(1,711)	1:66:B:LEU:H	1:64:B:GLY:H	4	0.42
(1,710)	1:66:A:LEU:H	1:64:A:GLY:H	9	0.42
(1,558)	1:65:B:ILE:HD11	1:51:B:VAL:HA	10	0.42
(1,558)	1:65:B:ILE:HD12	1:51:B:VAL:HA	10	0.42
(1,558)	1:65:B:ILE:HD13	1:51:B:VAL:HA	10	0.42
(1,333)	1:62:A:THR:HG21	1:64:A:GLY:HA2	1	0.42
(1,333)	1:62:A:THR:HG22	1:64:A:GLY:HA2	1	0.42
(1,333)	1:62:A:THR:HG23	1:64:A:GLY:HA2	1	0.42
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG3	2	0.42
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG3	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG3	2	0.42
(1,165)	1:69:A:TRP:HH2	1:95:B:LEU:HG	16	0.42
(1,164)	1:69:B:TRP:HH2	1:95:A:LEU:HG	13	0.42
(1,145)	1:69:B:TRP:HH2	1:95:A:LEU:H	3	0.42
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG21	11	0.42
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG22	11	0.42
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG23	11	0.42
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG21	11	0.42
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG22	11	0.42
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG23	11	0.42
(2,266)	1:22:B:ARG:HB2	1:22:B:ARG:HD2	4	0.41
(2,266)	1:22:B:ARG:HB2	1:22:B:ARG:HD2	8	0.41
(2,164)	1:81:B:LEU:H	1:84:B:PHE:HB2	8	0.41
(2,135)	1:67:B:LYS:HA	1:67:B:LYS:HD3	15	0.41
(2,66)	1:72:A:ILE:HG12	1:69:A:TRP:HE3	8	0.41
(2,65)	1:67:A:LYS:HE3	1:66:A:LEU:HB2	9	0.41
(1,3455)	1:90:B:ARG:HA	1:92:B:LEU:H	4	0.41
(1,3454)	1:90:A:ARG:HA	1:92:A:LEU:H	4	0.41
(1,3439)	1:81:B:LEU:HA	1:82:B:ARG:HA	8	0.41
(1,3438)	1:81:A:LEU:HA	1:82:A:ARG:HA	8	0.41
(1,3409)	1:94:B:ILE:HA	1:97:B:ARG:HB2	19	0.41
(1,3406)	1:77:A:ALA:HB1	1:76:A:LYS:H	17	0.41
(1,3406)	1:77:A:ALA:HB2	1:76:A:LYS:H	17	0.41
(1,3406)	1:77:A:ALA:HB3	1:76:A:LYS:H	17	0.41
(1,3405)	1:77:B:ALA:HB1	1:76:B:LYS:H	15	0.41
(1,3405)	1:77:B:ALA:HB2	1:76:B:LYS:H	15	0.41
(1,3405)	1:77:B:ALA:HB3	1:76:B:LYS:H	15	0.41
(1,3405)	1:77:B:ALA:HB1	1:76:B:LYS:H	17	0.41
(1,3405)	1:77:B:ALA:HB2	1:76:B:LYS:H	17	0.41
(1,3405)	1:77:B:ALA:HB3	1:76:B:LYS:H	17	0.41
(1,3383)	1:87:A:GLU:HB3	1:55:B:ARG:HG3	13	0.41
(1,3374)	1:94:B:ILE:HD11	1:66:A:LEU:HA	5	0.41
(1,3374)	1:94:B:ILE:HD12	1:66:A:LEU:HA	5	0.41
(1,3374)	1:94:B:ILE:HD13	1:66:A:LEU:HA	5	0.41
(1,3373)	1:77:A:ALA:HB1	1:72:A:ILE:HD11	12	0.41
(1,3373)	1:77:A:ALA:HB1	1:72:A:ILE:HD12	12	0.41
(1,3373)	1:77:A:ALA:HB1	1:72:A:ILE:HD13	12	0.41
(1,3373)	1:77:A:ALA:HB2	1:72:A:ILE:HD11	12	0.41
(1,3373)	1:77:A:ALA:HB2	1:72:A:ILE:HD12	12	0.41
(1,3373)	1:77:A:ALA:HB2	1:72:A:ILE:HD13	12	0.41
(1,3373)	1:77:A:ALA:HB3	1:72:A:ILE:HD11	12	0.41
(1,3373)	1:77:A:ALA:HB3	1:72:A:ILE:HD12	12	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3373)	1:77:A:ALA:HB3	1:72:A:ILE:HD13	12	0.41
(1,3372)	1:77:B:ALA:HB1	1:72:B:ILE:HD11	12	0.41
(1,3372)	1:77:B:ALA:HB1	1:72:B:ILE:HD12	12	0.41
(1,3372)	1:77:B:ALA:HB1	1:72:B:ILE:HD13	12	0.41
(1,3372)	1:77:B:ALA:HB2	1:72:B:ILE:HD11	12	0.41
(1,3372)	1:77:B:ALA:HB2	1:72:B:ILE:HD12	12	0.41
(1,3372)	1:77:B:ALA:HB2	1:72:B:ILE:HD13	12	0.41
(1,3372)	1:77:B:ALA:HB3	1:72:B:ILE:HD11	12	0.41
(1,3372)	1:77:B:ALA:HB3	1:72:B:ILE:HD12	12	0.41
(1,3372)	1:77:B:ALA:HB3	1:72:B:ILE:HD13	12	0.41
(1,3334)	1:97:A:ARG:HA	1:94:A:ILE:HA	6	0.41
(1,3331)	1:26:A:VAL:HG21	1:22:A:ARG:HB3	1	0.41
(1,3331)	1:26:A:VAL:HG22	1:22:A:ARG:HB3	1	0.41
(1,3331)	1:26:A:VAL:HG23	1:22:A:ARG:HB3	1	0.41
(1,3269)	1:44:B:LEU:H	1:47:B:PHE:HB2	5	0.41
(1,3253)	1:49:B:ALA:HB1	1:53:B:PHE:H	6	0.41
(1,3253)	1:49:B:ALA:HB2	1:53:B:PHE:H	6	0.41
(1,3253)	1:49:B:ALA:HB3	1:53:B:PHE:H	6	0.41
(1,3252)	1:49:A:ALA:HB1	1:53:A:PHE:H	6	0.41
(1,3252)	1:49:A:ALA:HB2	1:53:A:PHE:H	6	0.41
(1,3252)	1:49:A:ALA:HB3	1:53:A:PHE:H	6	0.41
(1,3186)	1:76:B:LYS:HB3	1:76:B:LYS:HE2	2	0.41
(1,3186)	1:76:B:LYS:HB3	1:76:B:LYS:HE2	18	0.41
(1,3098)	1:65:A:ILE:HD11	1:25:A:THR:HB	18	0.41
(1,3098)	1:65:A:ILE:HD12	1:25:A:THR:HB	18	0.41
(1,3098)	1:65:A:ILE:HD13	1:25:A:THR:HB	18	0.41
(1,3097)	1:65:B:ILE:HD11	1:25:B:THR:HB	18	0.41
(1,3097)	1:65:B:ILE:HD12	1:25:B:THR:HB	18	0.41
(1,3097)	1:65:B:ILE:HD13	1:25:B:THR:HB	18	0.41
(1,3038)	1:44:A:LEU:HD11	1:44:A:LEU:H	3	0.41
(1,3038)	1:44:A:LEU:HD12	1:44:A:LEU:H	3	0.41
(1,3038)	1:44:A:LEU:HD13	1:44:A:LEU:H	3	0.41
(1,3037)	1:44:B:LEU:HD11	1:44:B:LEU:H	3	0.41
(1,3037)	1:44:B:LEU:HD12	1:44:B:LEU:H	3	0.41
(1,3037)	1:44:B:LEU:HD13	1:44:B:LEU:H	3	0.41
(1,2955)	1:38:A:LEU:HD11	1:36:A:GLY:HA3	13	0.41
(1,2955)	1:38:A:LEU:HD12	1:36:A:GLY:HA3	13	0.41
(1,2955)	1:38:A:LEU:HD13	1:36:A:GLY:HA3	13	0.41
(1,2955)	1:38:A:LEU:HD11	1:36:A:GLY:HA3	17	0.41
(1,2955)	1:38:A:LEU:HD12	1:36:A:GLY:HA3	17	0.41
(1,2955)	1:38:A:LEU:HD13	1:36:A:GLY:HA3	17	0.41
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD11	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD12	6	0.41
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD13	6	0.41
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD11	6	0.41
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD12	6	0.41
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD13	6	0.41
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD11	6	0.41
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD12	6	0.41
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD13	6	0.41
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD11	20	0.41
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD12	20	0.41
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD13	20	0.41
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD11	20	0.41
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD12	20	0.41
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD13	20	0.41
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD11	20	0.41
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD12	20	0.41
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD13	20	0.41
(1,2822)	1:59:B:ILE:HD11	1:54:B:LEU:HA	4	0.41
(1,2822)	1:59:B:ILE:HD12	1:54:B:LEU:HA	4	0.41
(1,2822)	1:59:B:ILE:HD13	1:54:B:LEU:HA	4	0.41
(1,2809)	1:23:A:VAL:HG21	1:24:A:SER:HA	10	0.41
(1,2809)	1:23:A:VAL:HG22	1:24:A:SER:HA	10	0.41
(1,2809)	1:23:A:VAL:HG23	1:24:A:SER:HA	10	0.41
(1,2807)	1:23:A:VAL:HG21	1:24:A:SER:HA	10	0.41
(1,2807)	1:23:A:VAL:HG22	1:24:A:SER:HA	10	0.41
(1,2807)	1:23:A:VAL:HG23	1:24:A:SER:HA	10	0.41
(1,2793)	1:42:A:GLY:HA2	1:41:A:ARG:HB3	7	0.41
(1,2792)	1:42:B:GLY:HA2	1:41:B:ARG:HB3	7	0.41
(1,2703)	1:55:A:ARG:HB3	1:52:A:ALA:HA	1	0.41
(1,2702)	1:55:B:ARG:HB3	1:52:B:ALA:HA	1	0.41
(1,2644)	1:78:B:ILE:HD11	1:96:A:ASN:HD21	20	0.41
(1,2644)	1:78:B:ILE:HD12	1:96:A:ASN:HD21	20	0.41
(1,2644)	1:78:B:ILE:HD13	1:96:A:ASN:HD21	20	0.41
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD11	16	0.41
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD12	16	0.41
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD13	16	0.41
(1,2558)	1:94:A:ILE:HA	1:98:A:ARG:HG2	17	0.41
(1,2552)	1:58:B:THR:HA	1:59:B:ILE:HA	8	0.41
(1,2552)	1:58:B:THR:HA	1:59:B:ILE:HA	16	0.41
(1,2551)	1:58:A:THR:HA	1:59:A:ILE:HA	8	0.41
(1,2538)	1:98:B:ARG:HD2	1:98:B:ARG:HG2	8	0.41
(1,2538)	1:98:B:ARG:HD2	1:98:B:ARG:HG2	14	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2538)	1:98:B:ARG:HD2	1:98:B:ARG:HG2	19	0.41
(1,2537)	1:98:A:ARG:HD2	1:98:A:ARG:HG2	7	0.41
(1,2537)	1:98:A:ARG:HD2	1:98:A:ARG:HG2	8	0.41
(1,2537)	1:98:A:ARG:HD2	1:98:A:ARG:HG2	14	0.41
(1,2537)	1:98:A:ARG:HD2	1:98:A:ARG:HG2	19	0.41
(1,2511)	1:99:A:ARG:HA	1:99:A:ARG:HB2	3	0.41
(1,2510)	1:99:B:ARG:HA	1:99:B:ARG:HB2	3	0.41
(1,2479)	1:87:A:GLU:HA	1:86:A:LYS:HG3	16	0.41
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD11	9	0.41
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD12	9	0.41
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD13	9	0.41
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD11	9	0.41
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD12	9	0.41
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD13	9	0.41
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD11	16	0.41
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD12	16	0.41
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD13	16	0.41
(1,2255)	1:57:B:LEU:HD11	1:45:A:LYS:HE3	16	0.41
(1,2255)	1:57:B:LEU:HD12	1:45:A:LYS:HE3	16	0.41
(1,2255)	1:57:B:LEU:HD13	1:45:A:LYS:HE3	16	0.41
(1,2227)	1:61:B:PRO:HD3	1:61:B:PRO:HA	3	0.41
(1,2227)	1:61:B:PRO:HD3	1:61:B:PRO:HA	19	0.41
(1,2226)	1:61:A:PRO:HD3	1:61:A:PRO:HA	3	0.41
(1,2226)	1:61:A:PRO:HD3	1:61:A:PRO:HA	19	0.41
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD1	6	0.41
(1,2147)	1:57:B:LEU:HD21	1:56:B:PHE:HD2	6	0.41
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD1	6	0.41
(1,2147)	1:57:B:LEU:HD22	1:56:B:PHE:HD2	6	0.41
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD1	6	0.41
(1,2147)	1:57:B:LEU:HD23	1:56:B:PHE:HD2	6	0.41
(1,2001)	1:23:B:VAL:HB	1:24:B:SER:H	1	0.41
(1,2000)	1:23:A:VAL:HB	1:24:A:SER:H	1	0.41
(1,1911)	1:94:B:ILE:HG21	1:97:B:ARG:H	14	0.41
(1,1911)	1:94:B:ILE:HG22	1:97:B:ARG:H	14	0.41
(1,1911)	1:94:B:ILE:HG23	1:97:B:ARG:H	14	0.41
(1,1859)	1:62:A:THR:HB	1:63:A:ALA:H	11	0.41
(1,1858)	1:62:B:THR:HB	1:63:B:ALA:H	11	0.41
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD11	20	0.41
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD12	20	0.41
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD13	20	0.41
(1,1799)	1:84:B:PHE:HD1	1:85:A:ARG:HA	7	0.41
(1,1799)	1:84:B:PHE:HD2	1:85:A:ARG:HA	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1799)	1:84:B:PHE:HD1	1:85:A:ARG:HA	17	0.41
(1,1799)	1:84:B:PHE:HD2	1:85:A:ARG:HA	17	0.41
(1,1798)	1:84:A:PHE:HD1	1:85:B:ARG:HA	7	0.41
(1,1798)	1:84:A:PHE:HD2	1:85:B:ARG:HA	7	0.41
(1,1704)	1:100:A:ARG:HA	1:100:A:ARG:HD3	2	0.41
(1,1703)	1:100:B:ARG:HA	1:100:B:ARG:HD3	2	0.41
(1,1698)	1:81:A:LEU:H	1:84:A:PHE:HB2	8	0.41
(1,1626)	1:78:A:ILE:HG21	1:82:A:ARG:HD2	1	0.41
(1,1626)	1:78:A:ILE:HG22	1:82:A:ARG:HD2	1	0.41
(1,1626)	1:78:A:ILE:HG23	1:82:A:ARG:HD2	1	0.41
(1,1483)	1:69:B:TRP:HD1	1:68:B:ARG:HA	10	0.41
(1,1432)	1:57:B:LEU:HD21	1:57:B:LEU:H	3	0.41
(1,1432)	1:57:B:LEU:HD22	1:57:B:LEU:H	3	0.41
(1,1432)	1:57:B:LEU:HD23	1:57:B:LEU:H	3	0.41
(1,1388)	1:62:B:THR:HA	1:23:B:VAL:HG21	7	0.41
(1,1388)	1:62:B:THR:HA	1:23:B:VAL:HG22	7	0.41
(1,1388)	1:62:B:THR:HA	1:23:B:VAL:HG23	7	0.41
(1,1374)	1:80:A:VAL:HG21	1:48:A:MET:H	13	0.41
(1,1374)	1:80:A:VAL:HG22	1:48:A:MET:H	13	0.41
(1,1374)	1:80:A:VAL:HG23	1:48:A:MET:H	13	0.41
(1,1358)	1:29:B:LEU:HG	1:28:B:GLN:HE21	7	0.41
(1,1336)	1:95:B:LEU:HD11	1:94:B:ILE:H	14	0.41
(1,1336)	1:95:B:LEU:HD12	1:94:B:ILE:H	14	0.41
(1,1336)	1:95:B:LEU:HD13	1:94:B:ILE:H	14	0.41
(1,1304)	1:59:B:ILE:HG21	1:54:B:LEU:HA	2	0.41
(1,1304)	1:59:B:ILE:HG22	1:54:B:LEU:HA	2	0.41
(1,1304)	1:59:B:ILE:HG23	1:54:B:LEU:HA	2	0.41
(1,1263)	1:42:B:GLY:HA2	1:43:B:PRO:HD3	5	0.41
(1,1262)	1:42:A:GLY:HA2	1:43:A:PRO:HD3	5	0.41
(1,1175)	1:94:A:ILE:HA	1:97:A:ARG:H	1	0.41
(1,1124)	1:57:B:LEU:HD21	1:46:A:LEU:HA	3	0.41
(1,1124)	1:57:B:LEU:HD22	1:46:A:LEU:HA	3	0.41
(1,1124)	1:57:B:LEU:HD23	1:46:A:LEU:HA	3	0.41
(1,1063)	1:27:A:GLN:H	1:29:A:LEU:H	11	0.41
(1,1062)	1:27:B:GLN:H	1:29:B:LEU:H	11	0.41
(1,1051)	1:70:B:GLY:H	1:69:B:TRP:HE3	12	0.41
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD11	20	0.41
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD12	20	0.41
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD13	20	0.41
(1,974)	1:53:B:PHE:HD1	1:54:B:LEU:HA	2	0.41
(1,974)	1:53:B:PHE:HD2	1:54:B:LEU:HA	2	0.41
(1,974)	1:53:B:PHE:HD1	1:54:B:LEU:HA	20	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:53:B:PHE:HD2	1:54:B:LEU:HA	20	0.41
(1,973)	1:53:A:PHE:HD1	1:54:A:LEU:HA	2	0.41
(1,973)	1:53:A:PHE:HD2	1:54:A:LEU:HA	2	0.41
(1,973)	1:53:A:PHE:HD1	1:54:A:LEU:HA	20	0.41
(1,973)	1:53:A:PHE:HD2	1:54:A:LEU:HA	20	0.41
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD21	7	0.41
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD22	7	0.41
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD23	7	0.41
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD21	11	0.41
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD22	11	0.41
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD23	11	0.41
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD21	14	0.41
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD22	14	0.41
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD23	14	0.41
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG21	9	0.41
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG22	9	0.41
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG23	9	0.41
(1,833)	1:69:A:TRP:HZ3	1:65:A:ILE:HG21	5	0.41
(1,833)	1:69:A:TRP:HZ3	1:65:A:ILE:HG22	5	0.41
(1,833)	1:69:A:TRP:HZ3	1:65:A:ILE:HG23	5	0.41
(1,832)	1:69:B:TRP:HZ3	1:65:B:ILE:HG21	5	0.41
(1,832)	1:69:B:TRP:HZ3	1:65:B:ILE:HG22	5	0.41
(1,832)	1:69:B:TRP:HZ3	1:65:B:ILE:HG23	5	0.41
(1,788)	1:57:B:LEU:HD21	1:49:A:ALA:H	1	0.41
(1,788)	1:57:B:LEU:HD22	1:49:A:ALA:H	1	0.41
(1,788)	1:57:B:LEU:HD23	1:49:A:ALA:H	1	0.41
(1,787)	1:57:A:LEU:HD21	1:49:B:ALA:H	1	0.41
(1,787)	1:57:A:LEU:HD22	1:49:B:ALA:H	1	0.41
(1,787)	1:57:A:LEU:HD23	1:49:B:ALA:H	1	0.41
(1,754)	1:96:A:ASN:HD22	1:97:A:ARG:HA	10	0.41
(1,719)	1:44:A:LEU:HD11	1:73:A:LYS:H	19	0.41
(1,719)	1:44:A:LEU:HD12	1:73:A:LYS:H	19	0.41
(1,719)	1:44:A:LEU:HD13	1:73:A:LYS:H	19	0.41
(1,711)	1:66:B:LEU:H	1:64:B:GLY:H	2	0.41
(1,711)	1:66:B:LEU:H	1:64:B:GLY:H	13	0.41
(1,710)	1:66:A:LEU:H	1:64:A:GLY:H	2	0.41
(1,710)	1:66:A:LEU:H	1:64:A:GLY:H	4	0.41
(1,559)	1:65:A:ILE:HD11	1:51:A:VAL:HA	5	0.41
(1,559)	1:65:A:ILE:HD12	1:51:A:VAL:HA	5	0.41
(1,559)	1:65:A:ILE:HD13	1:51:A:VAL:HA	5	0.41
(1,558)	1:65:B:ILE:HD11	1:51:B:VAL:HA	5	0.41
(1,558)	1:65:B:ILE:HD12	1:51:B:VAL:HA	5	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:65:B:ILE:HD13	1:51:B:VAL:HA	5	0.41
(1,536)	1:32:B:ARG:H	1:30:B:THR:HB	10	0.41
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB1	3	0.41
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB2	3	0.41
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB3	3	0.41
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB1	3	0.41
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB2	3	0.41
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB3	3	0.41
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB1	3	0.41
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB2	3	0.41
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB3	3	0.41
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB1	3	0.41
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB2	3	0.41
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB3	3	0.41
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB1	3	0.41
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB2	3	0.41
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB3	3	0.41
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB1	3	0.41
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB2	3	0.41
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB3	3	0.41
(1,313)	1:44:B:LEU:HD11	1:47:B:PHE:HD1	13	0.41
(1,313)	1:44:B:LEU:HD11	1:47:B:PHE:HD2	13	0.41
(1,313)	1:44:B:LEU:HD12	1:47:B:PHE:HD1	13	0.41
(1,313)	1:44:B:LEU:HD12	1:47:B:PHE:HD2	13	0.41
(1,313)	1:44:B:LEU:HD13	1:47:B:PHE:HD1	13	0.41
(1,313)	1:44:B:LEU:HD13	1:47:B:PHE:HD2	13	0.41
(1,175)	1:72:B:ILE:HG12	1:69:B:TRP:HE3	8	0.41
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD21	2	0.41
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD22	2	0.41
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD23	2	0.41
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD21	2	0.41
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD22	2	0.41
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD23	2	0.41
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD21	2	0.41
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD22	2	0.41
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD23	2	0.41
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD21	1	0.41
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD22	1	0.41
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD23	1	0.41
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD21	1	0.41
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD22	1	0.41
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD23	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,32)	1:57:B:LEU:HD11	1:45:A:LYS:HE2	17	0.41
(1,32)	1:57:B:LEU:HD12	1:45:A:LYS:HE2	17	0.41
(1,32)	1:57:B:LEU:HD13	1:45:A:LYS:HE2	17	0.41
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG21	2	0.41
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG22	2	0.41
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG23	2	0.41
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG21	2	0.41
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG22	2	0.41
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG23	2	0.41
(2,348)	1:47:B:PHE:HD1	1:41:B:ARG:HD3	17	0.4
(2,348)	1:47:B:PHE:HD2	1:41:B:ARG:HD3	17	0.4
(2,279)	1:47:A:PHE:HD1	1:41:A:ARG:HD3	17	0.4
(2,279)	1:47:A:PHE:HD2	1:41:A:ARG:HD3	17	0.4
(2,266)	1:22:B:ARG:HB2	1:22:B:ARG:HD2	7	0.4
(2,266)	1:22:B:ARG:HB2	1:22:B:ARG:HD2	14	0.4
(2,266)	1:22:B:ARG:HB2	1:22:B:ARG:HD2	19	0.4
(2,257)	1:67:B:LYS:HE3	1:66:B:LEU:HB2	9	0.4
(2,220)	1:27:A:GLN:HB2	1:22:A:ARG:HB2	9	0.4
(2,120)	1:59:B:ILE:HD11	1:60:B:PRO:HD2	13	0.4
(2,120)	1:59:B:ILE:HD12	1:60:B:PRO:HD2	13	0.4
(2,120)	1:59:B:ILE:HD13	1:60:B:PRO:HD2	13	0.4
(2,116)	1:59:B:ILE:HD11	1:60:B:PRO:HD2	3	0.4
(2,116)	1:59:B:ILE:HD12	1:60:B:PRO:HD2	3	0.4
(2,116)	1:59:B:ILE:HD13	1:60:B:PRO:HD2	3	0.4
(2,26)	1:47:A:PHE:HD1	1:48:A:MET:HG2	1	0.4
(2,26)	1:47:A:PHE:HD2	1:48:A:MET:HG2	1	0.4
(2,25)	1:47:B:PHE:HD1	1:48:B:MET:HG2	1	0.4
(2,25)	1:47:B:PHE:HD2	1:48:B:MET:HG2	1	0.4
(2,12)	1:47:B:PHE:HD1	1:41:B:ARG:HG2	2	0.4
(2,12)	1:47:B:PHE:HD2	1:41:B:ARG:HG2	2	0.4
(1,3442)	1:82:B:ARG:HA	1:79:B:ASN:HA	20	0.4
(1,3441)	1:82:A:ARG:HA	1:79:A:ASN:HA	20	0.4
(1,3406)	1:77:A:ALA:HB1	1:76:A:LYS:H	12	0.4
(1,3406)	1:77:A:ALA:HB2	1:76:A:LYS:H	12	0.4
(1,3406)	1:77:A:ALA:HB3	1:76:A:LYS:H	12	0.4
(1,3406)	1:77:A:ALA:HB1	1:76:A:LYS:H	15	0.4
(1,3406)	1:77:A:ALA:HB2	1:76:A:LYS:H	15	0.4
(1,3406)	1:77:A:ALA:HB3	1:76:A:LYS:H	15	0.4
(1,3405)	1:77:B:ALA:HB1	1:76:B:LYS:H	10	0.4
(1,3405)	1:77:B:ALA:HB2	1:76:B:LYS:H	10	0.4
(1,3405)	1:77:B:ALA:HB3	1:76:B:LYS:H	10	0.4
(1,3405)	1:77:B:ALA:HB1	1:76:B:LYS:H	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3405)	1:77:B:ALA:HB2	1:76:B:LYS:H	12	0.4
(1,3405)	1:77:B:ALA:HB3	1:76:B:LYS:H	12	0.4
(1,3280)	1:88:B:ILE:HG12	1:52:A:ALA:HA	1	0.4
(1,3225)	1:95:A:LEU:HD21	1:96:A:ASN:HB2	1	0.4
(1,3225)	1:95:A:LEU:HD22	1:96:A:ASN:HB2	1	0.4
(1,3225)	1:95:A:LEU:HD23	1:96:A:ASN:HB2	1	0.4
(1,3224)	1:95:B:LEU:HD21	1:96:B:ASN:HB2	1	0.4
(1,3224)	1:95:B:LEU:HD22	1:96:B:ASN:HB2	1	0.4
(1,3224)	1:95:B:LEU:HD23	1:96:B:ASN:HB2	1	0.4
(1,3198)	1:48:B:MET:HB2	1:47:B:PHE:HB2	13	0.4
(1,3197)	1:48:A:MET:HB2	1:47:A:PHE:HB2	13	0.4
(1,3186)	1:76:B:LYS:HB3	1:76:B:LYS:HE2	17	0.4
(1,3186)	1:76:B:LYS:HB3	1:76:B:LYS:HE2	20	0.4
(1,3171)	1:57:B:LEU:HD11	1:53:B:PHE:HB3	13	0.4
(1,3171)	1:57:B:LEU:HD12	1:53:B:PHE:HB3	13	0.4
(1,3171)	1:57:B:LEU:HD13	1:53:B:PHE:HB3	13	0.4
(1,3146)	1:51:B:VAL:HG21	1:69:B:TRP:HZ3	17	0.4
(1,3146)	1:51:B:VAL:HG22	1:69:B:TRP:HZ3	17	0.4
(1,3146)	1:51:B:VAL:HG23	1:69:B:TRP:HZ3	17	0.4
(1,3145)	1:51:A:VAL:HG21	1:69:A:TRP:HZ3	17	0.4
(1,3145)	1:51:A:VAL:HG22	1:69:A:TRP:HZ3	17	0.4
(1,3145)	1:51:A:VAL:HG23	1:69:A:TRP:HZ3	17	0.4
(1,3038)	1:44:A:LEU:HD11	1:44:A:LEU:H	9	0.4
(1,3038)	1:44:A:LEU:HD12	1:44:A:LEU:H	9	0.4
(1,3038)	1:44:A:LEU:HD13	1:44:A:LEU:H	9	0.4
(1,3037)	1:44:B:LEU:HD11	1:44:B:LEU:H	9	0.4
(1,3037)	1:44:B:LEU:HD12	1:44:B:LEU:H	9	0.4
(1,3037)	1:44:B:LEU:HD13	1:44:B:LEU:H	9	0.4
(1,2954)	1:38:B:LEU:HD11	1:36:B:GLY:HA3	13	0.4
(1,2954)	1:38:B:LEU:HD12	1:36:B:GLY:HA3	13	0.4
(1,2954)	1:38:B:LEU:HD13	1:36:B:GLY:HA3	13	0.4
(1,2889)	1:59:A:ILE:HD11	1:60:A:PRO:HD2	13	0.4
(1,2889)	1:59:A:ILE:HD12	1:60:A:PRO:HD2	13	0.4
(1,2889)	1:59:A:ILE:HD13	1:60:A:PRO:HD2	13	0.4
(1,2872)	1:67:A:LYS:HA	1:67:A:LYS:HD3	15	0.4
(1,2821)	1:59:A:ILE:HD11	1:54:A:LEU:HA	4	0.4
(1,2821)	1:59:A:ILE:HD12	1:54:A:LEU:HA	4	0.4
(1,2821)	1:59:A:ILE:HD13	1:54:A:LEU:HA	4	0.4
(1,2808)	1:23:B:VAL:HG11	1:24:B:SER:HA	2	0.4
(1,2808)	1:23:B:VAL:HG12	1:24:B:SER:HA	2	0.4
(1,2808)	1:23:B:VAL:HG13	1:24:B:SER:HA	2	0.4
(1,2806)	1:23:B:VAL:HG21	1:24:B:SER:HA	10	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2806)	1:23:B:VAL:HG22	1:24:B:SER:HA	10	0.4
(1,2806)	1:23:B:VAL:HG23	1:24:B:SER:HA	10	0.4
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD1	8	0.4
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD2	8	0.4
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD1	8	0.4
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD2	8	0.4
(1,2685)	1:46:B:LEU:H	1:47:B:PHE:HB2	12	0.4
(1,2681)	1:95:B:LEU:HB2	1:74:A:LYS:HD2	14	0.4
(1,2680)	1:95:A:LEU:HB2	1:74:B:LYS:HD2	14	0.4
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG21	9	0.4
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG22	9	0.4
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG23	9	0.4
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG21	9	0.4
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG22	9	0.4
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG23	9	0.4
(1,2559)	1:94:B:ILE:HA	1:98:B:ARG:HG2	17	0.4
(1,2551)	1:58:A:THR:HA	1:59:A:ILE:HA	16	0.4
(1,2538)	1:98:B:ARG:HD2	1:98:B:ARG:HG2	7	0.4
(1,2443)	1:22:B:ARG:HB3	1:23:B:VAL:HA	10	0.4
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD11	1	0.4
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD12	1	0.4
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD13	1	0.4
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD11	1	0.4
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD12	1	0.4
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD13	1	0.4
(1,2426)	1:100:A:ARG:HA	1:99:A:ARG:HD2	13	0.4
(1,2386)	1:59:A:ILE:HD11	1:60:A:PRO:HD2	3	0.4
(1,2386)	1:59:A:ILE:HD12	1:60:A:PRO:HD2	3	0.4
(1,2386)	1:59:A:ILE:HD13	1:60:A:PRO:HD2	3	0.4
(1,2321)	1:51:A:VAL:HG11	1:65:A:ILE:HD11	2	0.4
(1,2321)	1:51:A:VAL:HG11	1:65:A:ILE:HD12	2	0.4
(1,2321)	1:51:A:VAL:HG11	1:65:A:ILE:HD13	2	0.4
(1,2321)	1:51:A:VAL:HG12	1:65:A:ILE:HD11	2	0.4
(1,2321)	1:51:A:VAL:HG12	1:65:A:ILE:HD12	2	0.4
(1,2321)	1:51:A:VAL:HG12	1:65:A:ILE:HD13	2	0.4
(1,2321)	1:51:A:VAL:HG13	1:65:A:ILE:HD11	2	0.4
(1,2321)	1:51:A:VAL:HG13	1:65:A:ILE:HD12	2	0.4
(1,2321)	1:51:A:VAL:HG13	1:65:A:ILE:HD13	2	0.4
(1,2320)	1:51:B:VAL:HG11	1:65:B:ILE:HD11	2	0.4
(1,2320)	1:51:B:VAL:HG11	1:65:B:ILE:HD12	2	0.4
(1,2320)	1:51:B:VAL:HG11	1:65:B:ILE:HD13	2	0.4
(1,2320)	1:51:B:VAL:HG12	1:65:B:ILE:HD11	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2320)	1:51:B:VAL:HG12	1:65:B:ILE:HD12	2	0.4
(1,2320)	1:51:B:VAL:HG12	1:65:B:ILE:HD13	2	0.4
(1,2320)	1:51:B:VAL:HG13	1:65:B:ILE:HD11	2	0.4
(1,2320)	1:51:B:VAL:HG13	1:65:B:ILE:HD12	2	0.4
(1,2320)	1:51:B:VAL:HG13	1:65:B:ILE:HD13	2	0.4
(1,2227)	1:61:B:PRO:HD3	1:61:B:PRO:HA	16	0.4
(1,2226)	1:61:A:PRO:HD3	1:61:A:PRO:HA	16	0.4
(1,2211)	1:24:A:SER:HB2	1:23:A:VAL:HB	1	0.4
(1,1912)	1:94:A:ILE:HG21	1:97:A:ARG:H	9	0.4
(1,1912)	1:94:A:ILE:HG22	1:97:A:ARG:H	9	0.4
(1,1912)	1:94:A:ILE:HG23	1:97:A:ARG:H	9	0.4
(1,1912)	1:94:A:ILE:HG21	1:97:A:ARG:H	14	0.4
(1,1912)	1:94:A:ILE:HG22	1:97:A:ARG:H	14	0.4
(1,1912)	1:94:A:ILE:HG23	1:97:A:ARG:H	14	0.4
(1,1911)	1:94:B:ILE:HG21	1:97:B:ARG:H	2	0.4
(1,1911)	1:94:B:ILE:HG22	1:97:B:ARG:H	2	0.4
(1,1911)	1:94:B:ILE:HG23	1:97:B:ARG:H	2	0.4
(1,1801)	1:84:A:PHE:HD1	1:85:A:ARG:HA	12	0.4
(1,1801)	1:84:A:PHE:HD2	1:85:A:ARG:HA	12	0.4
(1,1800)	1:84:B:PHE:HD1	1:85:B:ARG:HA	12	0.4
(1,1800)	1:84:B:PHE:HD2	1:85:B:ARG:HA	12	0.4
(1,1798)	1:84:A:PHE:HD1	1:85:B:ARG:HA	9	0.4
(1,1798)	1:84:A:PHE:HD2	1:85:B:ARG:HA	9	0.4
(1,1748)	1:88:A:ILE:HG21	1:86:A:LYS:H	12	0.4
(1,1748)	1:88:A:ILE:HG22	1:86:A:LYS:H	12	0.4
(1,1748)	1:88:A:ILE:HG23	1:86:A:LYS:H	12	0.4
(1,1747)	1:88:B:ILE:HG21	1:86:B:LYS:H	12	0.4
(1,1747)	1:88:B:ILE:HG22	1:86:B:LYS:H	12	0.4
(1,1747)	1:88:B:ILE:HG23	1:86:B:LYS:H	12	0.4
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD11	6	0.4
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD12	6	0.4
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD13	6	0.4
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD11	6	0.4
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD12	6	0.4
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD13	6	0.4
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD11	6	0.4
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD12	6	0.4
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD13	6	0.4
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD11	6	0.4
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD12	6	0.4
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD13	6	0.4
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD11	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD12	6	0.4
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD13	6	0.4
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD11	6	0.4
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD12	6	0.4
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD13	6	0.4
(1,1625)	1:78:B:ILE:HG21	1:82:B:ARG:HD2	1	0.4
(1,1625)	1:78:B:ILE:HG22	1:82:B:ARG:HD2	1	0.4
(1,1625)	1:78:B:ILE:HG23	1:82:B:ARG:HD2	1	0.4
(1,1590)	1:41:A:ARG:H	1:38:A:LEU:HB3	6	0.4
(1,1484)	1:69:A:TRP:HD1	1:68:A:ARG:HA	10	0.4
(1,1350)	1:28:A:GLN:HA	1:31:A:LYS:H	10	0.4
(1,1349)	1:28:B:GLN:HA	1:31:B:LYS:H	10	0.4
(1,1337)	1:95:A:LEU:HD11	1:94:A:ILE:H	14	0.4
(1,1337)	1:95:A:LEU:HD12	1:94:A:ILE:H	14	0.4
(1,1337)	1:95:A:LEU:HD13	1:94:A:ILE:H	14	0.4
(1,1303)	1:59:A:ILE:HG21	1:54:A:LEU:HA	2	0.4
(1,1303)	1:59:A:ILE:HG22	1:54:A:LEU:HA	2	0.4
(1,1303)	1:59:A:ILE:HG23	1:54:A:LEU:HA	2	0.4
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD11	3	0.4
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD12	3	0.4
(1,1298)	1:69:B:TRP:HH2	1:66:B:LEU:HD13	3	0.4
(1,1263)	1:42:B:GLY:HA2	1:43:B:PRO:HD3	20	0.4
(1,1262)	1:42:A:GLY:HA2	1:43:A:PRO:HD3	20	0.4
(1,1236)	1:25:B:THR:HG21	1:28:B:GLN:HE22	15	0.4
(1,1236)	1:25:B:THR:HG22	1:28:B:GLN:HE22	15	0.4
(1,1236)	1:25:B:THR:HG23	1:28:B:GLN:HE22	15	0.4
(1,1235)	1:25:A:THR:HG21	1:28:A:GLN:HE22	15	0.4
(1,1235)	1:25:A:THR:HG22	1:28:A:GLN:HE22	15	0.4
(1,1235)	1:25:A:THR:HG23	1:28:A:GLN:HE22	15	0.4
(1,1195)	1:42:A:GLY:HA2	1:43:A:PRO:HG3	1	0.4
(1,1194)	1:42:B:GLY:HA2	1:43:B:PRO:HG3	17	0.4
(1,1174)	1:94:B:ILE:HA	1:97:B:ARG:H	1	0.4
(1,1135)	1:49:A:ALA:HA	1:84:A:PHE:HD1	20	0.4
(1,1135)	1:49:A:ALA:HA	1:84:A:PHE:HD2	20	0.4
(1,1134)	1:49:B:ALA:HA	1:84:B:PHE:HD1	20	0.4
(1,1134)	1:49:B:ALA:HA	1:84:B:PHE:HD2	20	0.4
(1,1115)	1:92:B:LEU:HD21	1:82:A:ARG:H	16	0.4
(1,1115)	1:92:B:LEU:HD22	1:82:A:ARG:H	16	0.4
(1,1115)	1:92:B:LEU:HD23	1:82:A:ARG:H	16	0.4
(1,1050)	1:70:A:GLY:H	1:69:A:TRP:HE3	12	0.4
(1,1009)	1:91:A:MET:HG2	1:92:A:LEU:H	14	0.4
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG21	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG22	6	0.4
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG23	6	0.4
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG21	6	0.4
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG22	6	0.4
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG23	6	0.4
(1,797)	1:59:A:ILE:HB	1:60:A:PRO:HD2	11	0.4
(1,796)	1:59:B:ILE:HB	1:60:B:PRO:HD2	11	0.4
(1,787)	1:57:A:LEU:HD21	1:49:B:ALA:H	20	0.4
(1,787)	1:57:A:LEU:HD22	1:49:B:ALA:H	20	0.4
(1,787)	1:57:A:LEU:HD23	1:49:B:ALA:H	20	0.4
(1,753)	1:96:B:ASN:HD22	1:97:B:ARG:HA	10	0.4
(1,718)	1:44:B:LEU:HD11	1:73:B:LYS:H	19	0.4
(1,718)	1:44:B:LEU:HD12	1:73:B:LYS:H	19	0.4
(1,718)	1:44:B:LEU:HD13	1:73:B:LYS:H	19	0.4
(1,710)	1:66:A:LEU:H	1:64:A:GLY:H	13	0.4
(1,681)	1:38:B:LEU:HA	1:38:B:LEU:HG	3	0.4
(1,680)	1:38:A:LEU:HA	1:38:A:LEU:HG	3	0.4
(1,481)	1:93:B:ASN:HD21	1:92:B:LEU:H	17	0.4
(1,436)	1:57:B:LEU:HD11	1:49:A:ALA:HB1	11	0.4
(1,436)	1:57:B:LEU:HD11	1:49:A:ALA:HB2	11	0.4
(1,436)	1:57:B:LEU:HD11	1:49:A:ALA:HB3	11	0.4
(1,436)	1:57:B:LEU:HD12	1:49:A:ALA:HB1	11	0.4
(1,436)	1:57:B:LEU:HD12	1:49:A:ALA:HB2	11	0.4
(1,436)	1:57:B:LEU:HD12	1:49:A:ALA:HB3	11	0.4
(1,436)	1:57:B:LEU:HD13	1:49:A:ALA:HB1	11	0.4
(1,436)	1:57:B:LEU:HD13	1:49:A:ALA:HB2	11	0.4
(1,436)	1:57:B:LEU:HD13	1:49:A:ALA:HB3	11	0.4
(1,407)	1:80:A:VAL:HG21	1:45:A:LYS:HA	20	0.4
(1,407)	1:80:A:VAL:HG22	1:45:A:LYS:HA	20	0.4
(1,407)	1:80:A:VAL:HG23	1:45:A:LYS:HA	20	0.4
(1,312)	1:44:A:LEU:HD11	1:47:A:PHE:HD1	13	0.4
(1,312)	1:44:A:LEU:HD11	1:47:A:PHE:HD2	13	0.4
(1,312)	1:44:A:LEU:HD12	1:47:A:PHE:HD1	13	0.4
(1,312)	1:44:A:LEU:HD12	1:47:A:PHE:HD2	13	0.4
(1,312)	1:44:A:LEU:HD13	1:47:A:PHE:HD1	13	0.4
(1,312)	1:44:A:LEU:HD13	1:47:A:PHE:HD2	13	0.4
(1,252)	1:24:A:SER:HB2	1:23:A:VAL:HB	1	0.4
(1,228)	1:74:A:LYS:HE3	1:98:B:ARG:HD2	13	0.4
(1,165)	1:69:A:TRP:HH2	1:95:B:LEU:HG	11	0.4
(1,165)	1:69:A:TRP:HH2	1:95:B:LEU:HG	14	0.4
(1,153)	1:95:A:LEU:HD21	1:72:B:ILE:HG12	16	0.4
(1,153)	1:95:A:LEU:HD22	1:72:B:ILE:HG12	16	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,153)	1:95:A:LEU:HD23	1:72:B:ILE:HG12	16	0.4
(1,146)	1:69:A:TRP:HH2	1:95:B:LEU:H	15	0.4
(1,132)	1:90:B:ARG:HA	1:93:B:ASN:HD21	20	0.4
(1,131)	1:90:A:ARG:HA	1:93:A:ASN:HD21	20	0.4
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD1	17	0.4
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD2	17	0.4
(2,338)	1:63:B:ALA:HA	1:67:B:LYS:HD3	7	0.39
(2,266)	1:22:B:ARG:HB2	1:22:B:ARG:HD3	9	0.39
(2,266)	1:22:B:ARG:HB2	1:22:B:ARG:HD2	11	0.39
(2,266)	1:22:B:ARG:HB2	1:22:B:ARG:HD3	18	0.39
(2,266)	1:22:B:ARG:HB2	1:22:B:ARG:HD2	20	0.39
(2,259)	1:31:B:LYS:HA	1:31:B:LYS:HG2	17	0.39
(2,217)	1:80:B:VAL:H	1:79:B:ASN:HD21	5	0.39
(2,113)	1:47:A:PHE:HD1	1:41:A:ARG:HG2	2	0.39
(2,113)	1:47:A:PHE:HD2	1:41:A:ARG:HG2	2	0.39
(2,94)	1:61:B:PRO:HB2	1:66:B:LEU:HD11	5	0.39
(2,94)	1:61:B:PRO:HB2	1:66:B:LEU:HD12	5	0.39
(2,94)	1:61:B:PRO:HB2	1:66:B:LEU:HD13	5	0.39
(2,80)	1:57:A:LEU:HB2	1:59:A:ILE:H	11	0.39
(1,3406)	1:77:A:ALA:HB1	1:76:A:LYS:H	4	0.39
(1,3406)	1:77:A:ALA:HB2	1:76:A:LYS:H	4	0.39
(1,3406)	1:77:A:ALA:HB3	1:76:A:LYS:H	4	0.39
(1,3406)	1:77:A:ALA:HB1	1:76:A:LYS:H	10	0.39
(1,3406)	1:77:A:ALA:HB2	1:76:A:LYS:H	10	0.39
(1,3406)	1:77:A:ALA:HB3	1:76:A:LYS:H	10	0.39
(1,3253)	1:49:B:ALA:HB1	1:53:B:PHE:H	9	0.39
(1,3253)	1:49:B:ALA:HB2	1:53:B:PHE:H	9	0.39
(1,3253)	1:49:B:ALA:HB3	1:53:B:PHE:H	9	0.39
(1,3252)	1:49:A:ALA:HB1	1:53:A:PHE:H	9	0.39
(1,3252)	1:49:A:ALA:HB2	1:53:A:PHE:H	9	0.39
(1,3252)	1:49:A:ALA:HB3	1:53:A:PHE:H	9	0.39
(1,3198)	1:48:B:MET:HB2	1:47:B:PHE:HB2	18	0.39
(1,3197)	1:48:A:MET:HB2	1:47:A:PHE:HB2	18	0.39
(1,3097)	1:65:B:ILE:HD11	1:25:B:THR:HB	3	0.39
(1,3097)	1:65:B:ILE:HD12	1:25:B:THR:HB	3	0.39
(1,3097)	1:65:B:ILE:HD13	1:25:B:THR:HB	3	0.39
(1,3049)	1:55:A:ARG:HA	1:55:A:ARG:HD3	8	0.39
(1,3048)	1:55:B:ARG:HA	1:55:B:ARG:HD3	8	0.39
(1,2882)	1:38:B:LEU:HD11	1:39:B:GLN:H	4	0.39
(1,2882)	1:38:B:LEU:HD12	1:39:B:GLN:H	4	0.39
(1,2882)	1:38:B:LEU:HD13	1:39:B:GLN:H	4	0.39
(1,2881)	1:38:A:LEU:HD11	1:39:A:GLN:H	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2881)	1:38:A:LEU:HD12	1:39:A:GLN:H	4	0.39
(1,2881)	1:38:A:LEU:HD13	1:39:A:GLN:H	4	0.39
(1,2808)	1:23:B:VAL:HG11	1:24:B:SER:HA	4	0.39
(1,2808)	1:23:B:VAL:HG12	1:24:B:SER:HA	4	0.39
(1,2808)	1:23:B:VAL:HG13	1:24:B:SER:HA	4	0.39
(1,2789)	1:61:B:PRO:HG2	1:55:B:ARG:HA	12	0.39
(1,2788)	1:61:A:PRO:HG2	1:55:A:ARG:HA	12	0.39
(1,2717)	1:63:B:ALA:HB1	1:66:B:LEU:H	13	0.39
(1,2717)	1:63:B:ALA:HB2	1:66:B:LEU:H	13	0.39
(1,2717)	1:63:B:ALA:HB3	1:66:B:LEU:H	13	0.39
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD11	20	0.39
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD12	20	0.39
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD13	20	0.39
(1,2552)	1:58:B:THR:HA	1:59:B:ILE:HA	18	0.39
(1,2551)	1:58:A:THR:HA	1:59:A:ILE:HA	18	0.39
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD11	4	0.39
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD12	4	0.39
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD13	4	0.39
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD11	4	0.39
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD12	4	0.39
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD13	4	0.39
(1,2427)	1:100:B:ARG:HA	1:99:B:ARG:HD2	13	0.39
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD11	15	0.39
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD12	15	0.39
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD13	15	0.39
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD11	15	0.39
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD12	15	0.39
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD13	15	0.39
(1,2210)	1:24:B:SER:HB2	1:23:B:VAL:HB	1	0.39
(1,2129)	1:27:B:GLN:HB2	1:22:B:ARG:HB2	9	0.39
(1,1918)	1:49:A:ALA:HB1	1:57:B:LEU:HA	5	0.39
(1,1918)	1:49:A:ALA:HB2	1:57:B:LEU:HA	5	0.39
(1,1918)	1:49:A:ALA:HB3	1:57:B:LEU:HA	5	0.39
(1,1912)	1:94:A:ILE:HG21	1:97:A:ARG:H	2	0.39
(1,1912)	1:94:A:ILE:HG22	1:97:A:ARG:H	2	0.39
(1,1912)	1:94:A:ILE:HG23	1:97:A:ARG:H	2	0.39
(1,1911)	1:94:B:ILE:HG21	1:97:B:ARG:H	9	0.39
(1,1911)	1:94:B:ILE:HG22	1:97:B:ARG:H	9	0.39
(1,1911)	1:94:B:ILE:HG23	1:97:B:ARG:H	9	0.39
(1,1911)	1:94:B:ILE:HG21	1:97:B:ARG:H	17	0.39
(1,1911)	1:94:B:ILE:HG22	1:97:B:ARG:H	17	0.39
(1,1911)	1:94:B:ILE:HG23	1:97:B:ARG:H	17	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1762)	1:86:B:LYS:HA	1:86:B:LYS:HG2	1	0.39
(1,1762)	1:86:B:LYS:HA	1:86:B:LYS:HG2	9	0.39
(1,1762)	1:86:B:LYS:HA	1:86:B:LYS:HG2	10	0.39
(1,1761)	1:86:A:LYS:HA	1:86:A:LYS:HG2	1	0.39
(1,1761)	1:86:A:LYS:HA	1:86:A:LYS:HG2	9	0.39
(1,1761)	1:86:A:LYS:HA	1:86:A:LYS:HG2	10	0.39
(1,1711)	1:82:B:ARG:HA	1:85:B:ARG:HD3	14	0.39
(1,1710)	1:82:A:ARG:HA	1:85:A:ARG:HD3	14	0.39
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD11	3	0.39
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD12	3	0.39
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD13	3	0.39
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD11	3	0.39
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD12	3	0.39
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD13	3	0.39
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD11	3	0.39
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD12	3	0.39
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD13	3	0.39
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD11	3	0.39
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD12	3	0.39
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD13	3	0.39
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD11	3	0.39
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD12	3	0.39
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD13	3	0.39
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD11	3	0.39
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD12	3	0.39
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD13	3	0.39
(1,1682)	1:80:A:VAL:H	1:79:A:ASN:HD21	5	0.39
(1,1637)	1:28:B:GLN:H	1:24:B:SER:H	15	0.39
(1,1615)	1:96:A:ASN:HD22	1:97:A:ARG:HG3	7	0.39
(1,1614)	1:96:B:ASN:HD22	1:97:B:ARG:HG3	7	0.39
(1,1357)	1:29:A:LEU:HG	1:28:A:GLN:HE21	7	0.39
(1,1311)	1:95:A:LEU:HD11	1:69:B:TRP:HH2	13	0.39
(1,1311)	1:95:A:LEU:HD12	1:69:B:TRP:HH2	13	0.39
(1,1311)	1:95:A:LEU:HD13	1:69:B:TRP:HH2	13	0.39
(1,1245)	1:62:A:THR:HB	1:64:A:GLY:H	11	0.39
(1,1244)	1:62:B:THR:HB	1:64:B:GLY:H	11	0.39
(1,1195)	1:42:A:GLY:HA2	1:43:A:PRO:HG3	17	0.39
(1,1194)	1:42:B:GLY:HA2	1:43:B:PRO:HG3	1	0.39
(1,1189)	1:75:B:SER:HB3	1:73:B:LYS:HE2	7	0.39
(1,1063)	1:27:A:GLN:H	1:29:A:LEU:H	2	0.39
(1,1062)	1:27:B:GLN:H	1:29:B:LEU:H	2	0.39
(1,1053)	1:100:B:ARG:H	1:98:B:ARG:HG2	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1052)	1:100:A:ARG:H	1:98:A:ARG:HG2	11	0.39
(1,948)	1:31:A:LYS:HA	1:31:A:LYS:HG2	17	0.39
(1,854)	1:81:A:LEU:H	1:79:A:ASN:H	2	0.39
(1,853)	1:81:B:LEU:H	1:79:B:ASN:H	2	0.39
(1,797)	1:59:A:ILE:HB	1:60:A:PRO:HD3	8	0.39
(1,797)	1:59:A:ILE:HB	1:60:A:PRO:HD2	20	0.39
(1,796)	1:59:B:ILE:HB	1:60:B:PRO:HD3	8	0.39
(1,796)	1:59:B:ILE:HB	1:60:B:PRO:HD2	20	0.39
(1,783)	1:22:A:ARG:HG3	1:23:A:VAL:H	3	0.39
(1,768)	1:23:A:VAL:HB	1:22:A:ARG:H	3	0.39
(1,759)	1:22:A:ARG:HG3	1:22:A:ARG:H	6	0.39
(1,736)	1:57:B:LEU:HB2	1:59:B:ILE:H	11	0.39
(1,721)	1:58:B:THR:HG21	1:59:B:ILE:HD11	6	0.39
(1,721)	1:58:B:THR:HG21	1:59:B:ILE:HD12	6	0.39
(1,721)	1:58:B:THR:HG21	1:59:B:ILE:HD13	6	0.39
(1,721)	1:58:B:THR:HG22	1:59:B:ILE:HD11	6	0.39
(1,721)	1:58:B:THR:HG22	1:59:B:ILE:HD12	6	0.39
(1,721)	1:58:B:THR:HG22	1:59:B:ILE:HD13	6	0.39
(1,721)	1:58:B:THR:HG23	1:59:B:ILE:HD11	6	0.39
(1,721)	1:58:B:THR:HG23	1:59:B:ILE:HD12	6	0.39
(1,721)	1:58:B:THR:HG23	1:59:B:ILE:HD13	6	0.39
(1,720)	1:58:A:THR:HG21	1:59:A:ILE:HD11	6	0.39
(1,720)	1:58:A:THR:HG21	1:59:A:ILE:HD12	6	0.39
(1,720)	1:58:A:THR:HG21	1:59:A:ILE:HD13	6	0.39
(1,720)	1:58:A:THR:HG22	1:59:A:ILE:HD11	6	0.39
(1,720)	1:58:A:THR:HG22	1:59:A:ILE:HD12	6	0.39
(1,720)	1:58:A:THR:HG22	1:59:A:ILE:HD13	6	0.39
(1,720)	1:58:A:THR:HG23	1:59:A:ILE:HD11	6	0.39
(1,720)	1:58:A:THR:HG23	1:59:A:ILE:HD12	6	0.39
(1,720)	1:58:A:THR:HG23	1:59:A:ILE:HD13	6	0.39
(1,681)	1:38:B:LEU:HA	1:38:B:LEU:HG	13	0.39
(1,680)	1:38:A:LEU:HA	1:38:A:LEU:HG	13	0.39
(1,596)	1:72:B:ILE:HD11	1:69:B:TRP:HZ3	13	0.39
(1,596)	1:72:B:ILE:HD12	1:69:B:TRP:HZ3	13	0.39
(1,596)	1:72:B:ILE:HD13	1:69:B:TRP:HZ3	13	0.39
(1,595)	1:72:A:ILE:HD11	1:69:A:TRP:HZ3	13	0.39
(1,595)	1:72:A:ILE:HD12	1:69:A:TRP:HZ3	13	0.39
(1,595)	1:72:A:ILE:HD13	1:69:A:TRP:HZ3	13	0.39
(1,559)	1:65:A:ILE:HD11	1:51:A:VAL:HA	2	0.39
(1,559)	1:65:A:ILE:HD12	1:51:A:VAL:HA	2	0.39
(1,559)	1:65:A:ILE:HD13	1:51:A:VAL:HA	2	0.39
(1,558)	1:65:B:ILE:HD11	1:51:B:VAL:HA	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:65:B:ILE:HD12	1:51:B:VAL:HA	2	0.39
(1,558)	1:65:B:ILE:HD13	1:51:B:VAL:HA	2	0.39
(1,535)	1:32:A:ARG:H	1:30:A:THR:HB	10	0.39
(1,497)	1:26:B:VAL:HG11	1:28:B:GLN:H	5	0.39
(1,497)	1:26:B:VAL:HG12	1:28:B:GLN:H	5	0.39
(1,497)	1:26:B:VAL:HG13	1:28:B:GLN:H	5	0.39
(1,436)	1:57:B:LEU:HD11	1:49:A:ALA:HB1	5	0.39
(1,436)	1:57:B:LEU:HD11	1:49:A:ALA:HB2	5	0.39
(1,436)	1:57:B:LEU:HD11	1:49:A:ALA:HB3	5	0.39
(1,436)	1:57:B:LEU:HD12	1:49:A:ALA:HB1	5	0.39
(1,436)	1:57:B:LEU:HD12	1:49:A:ALA:HB2	5	0.39
(1,436)	1:57:B:LEU:HD12	1:49:A:ALA:HB3	5	0.39
(1,436)	1:57:B:LEU:HD13	1:49:A:ALA:HB1	5	0.39
(1,436)	1:57:B:LEU:HD13	1:49:A:ALA:HB2	5	0.39
(1,436)	1:57:B:LEU:HD13	1:49:A:ALA:HB3	5	0.39
(1,436)	1:57:B:LEU:HD11	1:49:A:ALA:HB1	15	0.39
(1,436)	1:57:B:LEU:HD11	1:49:A:ALA:HB2	15	0.39
(1,436)	1:57:B:LEU:HD11	1:49:A:ALA:HB3	15	0.39
(1,436)	1:57:B:LEU:HD12	1:49:A:ALA:HB1	15	0.39
(1,436)	1:57:B:LEU:HD12	1:49:A:ALA:HB2	15	0.39
(1,436)	1:57:B:LEU:HD12	1:49:A:ALA:HB3	15	0.39
(1,436)	1:57:B:LEU:HD13	1:49:A:ALA:HB1	15	0.39
(1,436)	1:57:B:LEU:HD13	1:49:A:ALA:HB2	15	0.39
(1,436)	1:57:B:LEU:HD13	1:49:A:ALA:HB3	15	0.39
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB1	2	0.39
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB2	2	0.39
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB3	2	0.39
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB1	2	0.39
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB2	2	0.39
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB3	2	0.39
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB1	2	0.39
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB2	2	0.39
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB3	2	0.39
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB1	6	0.39
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB2	6	0.39
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB3	6	0.39
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB1	6	0.39
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB2	6	0.39
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB3	6	0.39
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB1	6	0.39
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB2	6	0.39
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB3	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB1	2	0.39
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB2	2	0.39
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB3	2	0.39
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB1	2	0.39
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB2	2	0.39
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB3	2	0.39
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB1	2	0.39
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB2	2	0.39
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB3	2	0.39
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB1	6	0.39
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB2	6	0.39
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB3	6	0.39
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB1	6	0.39
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB2	6	0.39
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB3	6	0.39
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB1	6	0.39
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB2	6	0.39
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB3	6	0.39
(1,251)	1:24:B:SER:HB2	1:23:B:VAL:HB	1	0.39
(1,228)	1:74:A:LYS:HE3	1:98:B:ARG:HD2	3	0.39
(1,150)	1:49:B:ALA:HB1	1:57:A:LEU:H	19	0.39
(1,150)	1:49:B:ALA:HB2	1:57:A:LEU:H	19	0.39
(1,150)	1:49:B:ALA:HB3	1:57:A:LEU:H	19	0.39
(1,94)	1:57:B:LEU:HD21	1:49:A:ALA:HA	8	0.39
(1,94)	1:57:B:LEU:HD22	1:49:A:ALA:HA	8	0.39
(1,94)	1:57:B:LEU:HD23	1:49:A:ALA:HA	8	0.39
(1,70)	1:92:A:LEU:HD21	1:82:B:ARG:HA	6	0.39
(1,70)	1:92:A:LEU:HD22	1:82:B:ARG:HA	6	0.39
(1,70)	1:92:A:LEU:HD23	1:82:B:ARG:HA	6	0.39
(1,51)	1:45:A:LYS:HE2	1:57:B:LEU:HA	8	0.39
(1,45)	1:95:B:LEU:HA	1:74:A:LYS:HE3	5	0.39
(1,45)	1:95:B:LEU:HA	1:74:A:LYS:HE2	12	0.39
(1,16)	1:55:B:ARG:HB2	1:91:A:MET:HG2	13	0.39
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG21	6	0.39
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG22	6	0.39
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG23	6	0.39
(2,266)	1:22:B:ARG:HB2	1:22:B:ARG:HD2	6	0.38
(2,266)	1:22:B:ARG:HB2	1:22:B:ARG:HD2	10	0.38
(2,152)	1:48:A:MET:H	1:48:A:MET:HG3	4	0.38
(1,3455)	1:90:B:ARG:HA	1:92:B:LEU:H	5	0.38
(1,3455)	1:90:B:ARG:HA	1:92:B:LEU:H	17	0.38
(1,3455)	1:90:B:ARG:HA	1:92:B:LEU:H	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3454)	1:90:A:ARG:HA	1:92:A:LEU:H	5	0.38
(1,3454)	1:90:A:ARG:HA	1:92:A:LEU:H	17	0.38
(1,3454)	1:90:A:ARG:HA	1:92:A:LEU:H	18	0.38
(1,3439)	1:81:B:LEU:HA	1:82:B:ARG:HA	20	0.38
(1,3438)	1:81:A:LEU:HA	1:82:A:ARG:HA	20	0.38
(1,3409)	1:94:B:ILE:HA	1:97:B:ARG:HB2	9	0.38
(1,3406)	1:77:A:ALA:HB1	1:76:A:LYS:H	6	0.38
(1,3406)	1:77:A:ALA:HB2	1:76:A:LYS:H	6	0.38
(1,3406)	1:77:A:ALA:HB3	1:76:A:LYS:H	6	0.38
(1,3405)	1:77:B:ALA:HB1	1:76:B:LYS:H	4	0.38
(1,3405)	1:77:B:ALA:HB2	1:76:B:LYS:H	4	0.38
(1,3405)	1:77:B:ALA:HB3	1:76:B:LYS:H	4	0.38
(1,3340)	1:62:B:THR:HA	1:25:B:THR:HB	19	0.38
(1,3253)	1:49:B:ALA:HB1	1:53:B:PHE:H	1	0.38
(1,3253)	1:49:B:ALA:HB2	1:53:B:PHE:H	1	0.38
(1,3253)	1:49:B:ALA:HB3	1:53:B:PHE:H	1	0.38
(1,3253)	1:49:B:ALA:HB1	1:53:B:PHE:H	18	0.38
(1,3253)	1:49:B:ALA:HB2	1:53:B:PHE:H	18	0.38
(1,3253)	1:49:B:ALA:HB3	1:53:B:PHE:H	18	0.38
(1,3252)	1:49:A:ALA:HB1	1:53:A:PHE:H	1	0.38
(1,3252)	1:49:A:ALA:HB2	1:53:A:PHE:H	1	0.38
(1,3252)	1:49:A:ALA:HB3	1:53:A:PHE:H	1	0.38
(1,3145)	1:51:A:VAL:HG21	1:69:A:TRP:HZ3	8	0.38
(1,3145)	1:51:A:VAL:HG22	1:69:A:TRP:HZ3	8	0.38
(1,3145)	1:51:A:VAL:HG23	1:69:A:TRP:HZ3	8	0.38
(1,3098)	1:65:A:ILE:HD11	1:25:A:THR:HB	3	0.38
(1,3098)	1:65:A:ILE:HD12	1:25:A:THR:HB	3	0.38
(1,3098)	1:65:A:ILE:HD13	1:25:A:THR:HB	3	0.38
(1,3038)	1:44:A:LEU:HD11	1:44:A:LEU:H	8	0.38
(1,3038)	1:44:A:LEU:HD12	1:44:A:LEU:H	8	0.38
(1,3038)	1:44:A:LEU:HD13	1:44:A:LEU:H	8	0.38
(1,3037)	1:44:B:LEU:HD11	1:44:B:LEU:H	8	0.38
(1,3037)	1:44:B:LEU:HD12	1:44:B:LEU:H	8	0.38
(1,3037)	1:44:B:LEU:HD13	1:44:B:LEU:H	8	0.38
(1,2966)	1:80:A:VAL:HG21	1:84:A:PHE:HB2	8	0.38
(1,2966)	1:80:A:VAL:HG22	1:84:A:PHE:HB2	8	0.38
(1,2966)	1:80:A:VAL:HG23	1:84:A:PHE:HB2	8	0.38
(1,2950)	1:80:B:VAL:HA	1:79:B:ASN:HB3	5	0.38
(1,2826)	1:51:A:VAL:HG21	1:55:A:ARG:HD3	2	0.38
(1,2826)	1:51:A:VAL:HG22	1:55:A:ARG:HD3	2	0.38
(1,2826)	1:51:A:VAL:HG23	1:55:A:ARG:HD3	2	0.38
(1,2822)	1:59:B:ILE:HD11	1:54:B:LEU:HA	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2822)	1:59:B:ILE:HD12	1:54:B:LEU:HA	12	0.38
(1,2822)	1:59:B:ILE:HD13	1:54:B:LEU:HA	12	0.38
(1,2821)	1:59:A:ILE:HD11	1:54:A:LEU:HA	12	0.38
(1,2821)	1:59:A:ILE:HD12	1:54:A:LEU:HA	12	0.38
(1,2821)	1:59:A:ILE:HD13	1:54:A:LEU:HA	12	0.38
(1,2809)	1:23:A:VAL:HG21	1:24:A:SER:HA	4	0.38
(1,2809)	1:23:A:VAL:HG22	1:24:A:SER:HA	4	0.38
(1,2809)	1:23:A:VAL:HG23	1:24:A:SER:HA	4	0.38
(1,2809)	1:23:A:VAL:HG11	1:24:A:SER:HA	7	0.38
(1,2809)	1:23:A:VAL:HG12	1:24:A:SER:HA	7	0.38
(1,2809)	1:23:A:VAL:HG13	1:24:A:SER:HA	7	0.38
(1,2809)	1:23:A:VAL:HG21	1:24:A:SER:HA	8	0.38
(1,2809)	1:23:A:VAL:HG22	1:24:A:SER:HA	8	0.38
(1,2809)	1:23:A:VAL:HG23	1:24:A:SER:HA	8	0.38
(1,2807)	1:23:A:VAL:HG21	1:24:A:SER:HA	4	0.38
(1,2807)	1:23:A:VAL:HG22	1:24:A:SER:HA	4	0.38
(1,2807)	1:23:A:VAL:HG23	1:24:A:SER:HA	4	0.38
(1,2807)	1:23:A:VAL:HG11	1:24:A:SER:HA	7	0.38
(1,2807)	1:23:A:VAL:HG12	1:24:A:SER:HA	7	0.38
(1,2807)	1:23:A:VAL:HG13	1:24:A:SER:HA	7	0.38
(1,2807)	1:23:A:VAL:HG21	1:24:A:SER:HA	8	0.38
(1,2807)	1:23:A:VAL:HG22	1:24:A:SER:HA	8	0.38
(1,2807)	1:23:A:VAL:HG23	1:24:A:SER:HA	8	0.38
(1,2806)	1:23:B:VAL:HG21	1:24:B:SER:HA	8	0.38
(1,2806)	1:23:B:VAL:HG22	1:24:B:SER:HA	8	0.38
(1,2806)	1:23:B:VAL:HG23	1:24:B:SER:HA	8	0.38
(1,2718)	1:63:A:ALA:HB1	1:66:A:LEU:H	13	0.38
(1,2718)	1:63:A:ALA:HB2	1:66:A:LEU:H	13	0.38
(1,2718)	1:63:A:ALA:HB3	1:66:A:LEU:H	13	0.38
(1,2717)	1:63:B:ALA:HB1	1:66:B:LEU:H	2	0.38
(1,2717)	1:63:B:ALA:HB2	1:66:B:LEU:H	2	0.38
(1,2717)	1:63:B:ALA:HB3	1:66:B:LEU:H	2	0.38
(1,2683)	1:26:B:VAL:HG11	1:22:B:ARG:HG2	1	0.38
(1,2683)	1:26:B:VAL:HG12	1:22:B:ARG:HG2	1	0.38
(1,2683)	1:26:B:VAL:HG13	1:22:B:ARG:HG2	1	0.38
(1,2635)	1:27:B:GLN:HA	1:24:B:SER:H	12	0.38
(1,2629)	1:87:A:GLU:HG3	1:86:A:LYS:HB2	19	0.38
(1,2617)	1:96:B:ASN:H	1:98:B:ARG:HD3	11	0.38
(1,2616)	1:96:A:ASN:H	1:98:A:ARG:HD3	11	0.38
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG21	8	0.38
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG22	8	0.38
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG23	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG21	8	0.38
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG22	8	0.38
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG23	8	0.38
(1,2552)	1:58:B:THR:HA	1:59:B:ILE:HA	19	0.38
(1,2551)	1:58:A:THR:HA	1:59:A:ILE:HA	19	0.38
(1,2421)	1:45:B:LYS:HE2	1:56:A:PHE:HA	17	0.38
(1,2420)	1:45:A:LYS:HE2	1:56:B:PHE:HA	17	0.38
(1,2227)	1:61:B:PRO:HD3	1:61:B:PRO:HA	4	0.38
(1,2226)	1:61:A:PRO:HD3	1:61:A:PRO:HA	4	0.38
(1,2059)	1:57:B:LEU:HD21	1:46:A:LEU:H	9	0.38
(1,2059)	1:57:B:LEU:HD22	1:46:A:LEU:H	9	0.38
(1,2059)	1:57:B:LEU:HD23	1:46:A:LEU:H	9	0.38
(1,2059)	1:57:B:LEU:HD21	1:46:A:LEU:H	18	0.38
(1,2059)	1:57:B:LEU:HD22	1:46:A:LEU:H	18	0.38
(1,2059)	1:57:B:LEU:HD23	1:46:A:LEU:H	18	0.38
(1,2034)	1:26:B:VAL:HA	1:25:B:THR:HA	17	0.38
(1,2033)	1:26:A:VAL:HA	1:25:A:THR:HA	17	0.38
(1,1930)	1:61:B:PRO:HG2	1:54:B:LEU:HD11	2	0.38
(1,1930)	1:61:B:PRO:HG2	1:54:B:LEU:HD12	2	0.38
(1,1930)	1:61:B:PRO:HG2	1:54:B:LEU:HD13	2	0.38
(1,1929)	1:61:A:PRO:HG2	1:54:A:LEU:HD11	2	0.38
(1,1929)	1:61:A:PRO:HG2	1:54:A:LEU:HD12	2	0.38
(1,1929)	1:61:A:PRO:HG2	1:54:A:LEU:HD13	2	0.38
(1,1912)	1:94:A:ILE:HG21	1:97:A:ARG:H	17	0.38
(1,1912)	1:94:A:ILE:HG22	1:97:A:ARG:H	17	0.38
(1,1912)	1:94:A:ILE:HG23	1:97:A:ARG:H	17	0.38
(1,1887)	1:48:B:MET:H	1:48:B:MET:HG3	4	0.38
(1,1762)	1:86:B:LYS:HA	1:86:B:LYS:HG2	6	0.38
(1,1762)	1:86:B:LYS:HA	1:86:B:LYS:HG2	7	0.38
(1,1761)	1:86:A:LYS:HA	1:86:A:LYS:HG2	6	0.38
(1,1761)	1:86:A:LYS:HA	1:86:A:LYS:HG2	7	0.38
(1,1761)	1:86:A:LYS:HA	1:86:A:LYS:HG2	12	0.38
(1,1674)	1:58:A:THR:HG21	1:58:A:THR:H	6	0.38
(1,1674)	1:58:A:THR:HG22	1:58:A:THR:H	6	0.38
(1,1674)	1:58:A:THR:HG23	1:58:A:THR:H	6	0.38
(1,1673)	1:58:B:THR:HG21	1:58:B:THR:H	6	0.38
(1,1673)	1:58:B:THR:HG22	1:58:B:THR:H	6	0.38
(1,1673)	1:58:B:THR:HG23	1:58:B:THR:H	6	0.38
(1,1652)	1:69:A:TRP:HA	1:67:A:LYS:H	17	0.38
(1,1636)	1:28:A:GLN:H	1:24:A:SER:H	15	0.38
(1,1591)	1:41:B:ARG:H	1:38:B:LEU:HB3	6	0.38
(1,1421)	1:95:B:LEU:HD11	1:74:A:LYS:HA	19	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1421)	1:95:B:LEU:HD12	1:74:A:LYS:HA	19	0.38
(1,1421)	1:95:B:LEU:HD13	1:74:A:LYS:HA	19	0.38
(1,1420)	1:95:A:LEU:HD11	1:74:B:LYS:HA	19	0.38
(1,1420)	1:95:A:LEU:HD12	1:74:B:LYS:HA	19	0.38
(1,1420)	1:95:A:LEU:HD13	1:74:B:LYS:HA	19	0.38
(1,1195)	1:42:A:GLY:HA2	1:43:A:PRO:HG3	8	0.38
(1,1195)	1:42:A:GLY:HA2	1:43:A:PRO:HG3	12	0.38
(1,1194)	1:42:B:GLY:HA2	1:43:B:PRO:HG3	8	0.38
(1,1194)	1:42:B:GLY:HA2	1:43:B:PRO:HG3	12	0.38
(1,1188)	1:75:A:SER:HB3	1:73:A:LYS:HE2	7	0.38
(1,1137)	1:77:B:ALA:HB1	1:74:B:LYS:HA	17	0.38
(1,1137)	1:77:B:ALA:HB2	1:74:B:LYS:HA	17	0.38
(1,1137)	1:77:B:ALA:HB3	1:74:B:LYS:HA	17	0.38
(1,1136)	1:77:A:ALA:HB1	1:74:A:LYS:HA	17	0.38
(1,1136)	1:77:A:ALA:HB2	1:74:A:LYS:HA	17	0.38
(1,1136)	1:77:A:ALA:HB3	1:74:A:LYS:HA	17	0.38
(1,1114)	1:92:A:LEU:HD21	1:82:B:ARG:H	14	0.38
(1,1114)	1:92:A:LEU:HD22	1:82:B:ARG:H	14	0.38
(1,1114)	1:92:A:LEU:HD23	1:82:B:ARG:H	14	0.38
(1,1063)	1:27:A:GLN:H	1:29:A:LEU:H	16	0.38
(1,1062)	1:27:B:GLN:H	1:29:B:LEU:H	16	0.38
(1,1009)	1:91:A:MET:HG2	1:92:A:LEU:H	17	0.38
(1,1009)	1:91:A:MET:HG2	1:92:A:LEU:H	19	0.38
(1,985)	1:23:B:VAL:HG11	1:24:B:SER:H	8	0.38
(1,985)	1:23:B:VAL:HG12	1:24:B:SER:H	8	0.38
(1,985)	1:23:B:VAL:HG13	1:24:B:SER:H	8	0.38
(1,961)	1:86:A:LYS:HD2	1:86:A:LYS:HB3	9	0.38
(1,961)	1:86:A:LYS:HD2	1:86:A:LYS:HB3	12	0.38
(1,961)	1:86:A:LYS:HD3	1:86:A:LYS:HB3	15	0.38
(1,961)	1:86:A:LYS:HD3	1:86:A:LYS:HB3	20	0.38
(1,823)	1:63:A:ALA:HA	1:67:A:LYS:HD3	7	0.38
(1,787)	1:57:A:LEU:HD21	1:49:B:ALA:H	16	0.38
(1,787)	1:57:A:LEU:HD22	1:49:B:ALA:H	16	0.38
(1,787)	1:57:A:LEU:HD23	1:49:B:ALA:H	16	0.38
(1,769)	1:23:B:VAL:HB	1:22:B:ARG:H	3	0.38
(1,754)	1:96:A:ASN:HD22	1:97:A:ARG:HA	2	0.38
(1,681)	1:38:B:LEU:HA	1:38:B:LEU:HG	8	0.38
(1,681)	1:38:B:LEU:HA	1:38:B:LEU:HG	10	0.38
(1,681)	1:38:B:LEU:HA	1:38:B:LEU:HG	16	0.38
(1,680)	1:38:A:LEU:HA	1:38:A:LEU:HG	8	0.38
(1,680)	1:38:A:LEU:HA	1:38:A:LEU:HG	10	0.38
(1,680)	1:38:A:LEU:HA	1:38:A:LEU:HG	16	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:38:A:LEU:HA	1:38:A:LEU:HG	19	0.38
(1,281)	1:27:A:GLN:H	1:24:A:SER:HB3	10	0.38
(1,229)	1:74:B:LYS:HE3	1:98:A:ARG:HD2	17	0.38
(1,218)	1:65:A:ILE:HD11	1:54:A:LEU:HG	16	0.38
(1,218)	1:65:A:ILE:HD12	1:54:A:LEU:HG	16	0.38
(1,218)	1:65:A:ILE:HD13	1:54:A:LEU:HG	16	0.38
(1,217)	1:65:B:ILE:HD11	1:54:B:LEU:HG	16	0.38
(1,217)	1:65:B:ILE:HD12	1:54:B:LEU:HG	16	0.38
(1,217)	1:65:B:ILE:HD13	1:54:B:LEU:HG	16	0.38
(1,178)	1:57:B:LEU:HD21	1:46:A:LEU:H	16	0.38
(1,178)	1:57:B:LEU:HD22	1:46:A:LEU:H	16	0.38
(1,178)	1:57:B:LEU:HD23	1:46:A:LEU:H	16	0.38
(1,164)	1:69:B:TRP:HH2	1:95:A:LEU:HG	16	0.38
(1,149)	1:49:A:ALA:HB1	1:57:B:LEU:H	19	0.38
(1,149)	1:49:A:ALA:HB2	1:57:B:LEU:H	19	0.38
(1,149)	1:49:A:ALA:HB3	1:57:B:LEU:H	19	0.38
(1,146)	1:69:A:TRP:HH2	1:95:B:LEU:H	18	0.38
(1,57)	1:49:B:ALA:HB1	1:56:A:PHE:HE1	2	0.38
(1,57)	1:49:B:ALA:HB1	1:56:A:PHE:HE2	2	0.38
(1,57)	1:49:B:ALA:HB2	1:56:A:PHE:HE1	2	0.38
(1,57)	1:49:B:ALA:HB2	1:56:A:PHE:HE2	2	0.38
(1,57)	1:49:B:ALA:HB3	1:56:A:PHE:HE1	2	0.38
(1,57)	1:49:B:ALA:HB3	1:56:A:PHE:HE2	2	0.38
(1,33)	1:57:A:LEU:HD11	1:45:B:LYS:HE2	12	0.38
(1,33)	1:57:A:LEU:HD12	1:45:B:LYS:HE2	12	0.38
(1,33)	1:57:A:LEU:HD13	1:45:B:LYS:HE2	12	0.38
(1,31)	1:95:A:LEU:HD11	1:74:B:LYS:HA	19	0.38
(1,31)	1:95:A:LEU:HD12	1:74:B:LYS:HA	19	0.38
(1,31)	1:95:A:LEU:HD13	1:74:B:LYS:HA	19	0.38
(1,30)	1:95:B:LEU:HD11	1:74:A:LYS:HA	19	0.38
(1,30)	1:95:B:LEU:HD12	1:74:A:LYS:HA	19	0.38
(1,30)	1:95:B:LEU:HD13	1:74:A:LYS:HA	19	0.38
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG21	6	0.38
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG22	6	0.38
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG23	6	0.38
(2,353)	1:24:A:SER:HB3	1:25:A:THR:H	4	0.37
(2,266)	1:22:B:ARG:HB2	1:22:B:ARG:HD2	15	0.37
(2,229)	1:93:A:ASN:HD21	1:91:A:MET:H	6	0.37
(2,152)	1:48:A:MET:H	1:48:A:MET:HG3	13	0.37
(2,152)	1:48:A:MET:H	1:48:A:MET:HG3	18	0.37
(2,135)	1:67:B:LYS:HA	1:67:B:LYS:HD3	8	0.37
(2,80)	1:57:A:LEU:HB2	1:59:A:ILE:H	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,40)	1:27:B:GLN:H	1:24:B:SER:HB3	10	0.37
(2,9)	1:24:B:SER:HB3	1:25:B:THR:H	4	0.37
(1,3455)	1:90:B:ARG:HA	1:92:B:LEU:H	3	0.37
(1,3454)	1:90:A:ARG:HA	1:92:A:LEU:H	19	0.37
(1,3410)	1:94:A:ILE:HA	1:97:A:ARG:HB2	9	0.37
(1,3405)	1:77:B:ALA:HB1	1:76:B:LYS:H	6	0.37
(1,3405)	1:77:B:ALA:HB2	1:76:B:LYS:H	6	0.37
(1,3405)	1:77:B:ALA:HB3	1:76:B:LYS:H	6	0.37
(1,3375)	1:94:A:ILE:HD11	1:66:B:LEU:HA	19	0.37
(1,3375)	1:94:A:ILE:HD12	1:66:B:LEU:HA	19	0.37
(1,3375)	1:94:A:ILE:HD13	1:66:B:LEU:HA	19	0.37
(1,3373)	1:77:A:ALA:HB1	1:72:A:ILE:HD11	6	0.37
(1,3373)	1:77:A:ALA:HB1	1:72:A:ILE:HD12	6	0.37
(1,3373)	1:77:A:ALA:HB1	1:72:A:ILE:HD13	6	0.37
(1,3373)	1:77:A:ALA:HB2	1:72:A:ILE:HD11	6	0.37
(1,3373)	1:77:A:ALA:HB2	1:72:A:ILE:HD12	6	0.37
(1,3373)	1:77:A:ALA:HB2	1:72:A:ILE:HD13	6	0.37
(1,3373)	1:77:A:ALA:HB3	1:72:A:ILE:HD11	6	0.37
(1,3373)	1:77:A:ALA:HB3	1:72:A:ILE:HD12	6	0.37
(1,3373)	1:77:A:ALA:HB3	1:72:A:ILE:HD13	6	0.37
(1,3372)	1:77:B:ALA:HB1	1:72:B:ILE:HD11	6	0.37
(1,3372)	1:77:B:ALA:HB1	1:72:B:ILE:HD12	6	0.37
(1,3372)	1:77:B:ALA:HB1	1:72:B:ILE:HD13	6	0.37
(1,3372)	1:77:B:ALA:HB2	1:72:B:ILE:HD11	6	0.37
(1,3372)	1:77:B:ALA:HB2	1:72:B:ILE:HD12	6	0.37
(1,3372)	1:77:B:ALA:HB2	1:72:B:ILE:HD13	6	0.37
(1,3372)	1:77:B:ALA:HB3	1:72:B:ILE:HD11	6	0.37
(1,3372)	1:77:B:ALA:HB3	1:72:B:ILE:HD12	6	0.37
(1,3372)	1:77:B:ALA:HB3	1:72:B:ILE:HD13	6	0.37
(1,3339)	1:62:A:THR:HA	1:25:A:THR:HB	19	0.37
(1,3319)	1:71:A:THR:HG21	1:44:A:LEU:HA	15	0.37
(1,3319)	1:71:A:THR:HG22	1:44:A:LEU:HA	15	0.37
(1,3319)	1:71:A:THR:HG23	1:44:A:LEU:HA	15	0.37
(1,3270)	1:44:A:LEU:H	1:47:A:PHE:HB2	11	0.37
(1,3269)	1:44:B:LEU:H	1:47:B:PHE:HB2	11	0.37
(1,3252)	1:49:A:ALA:HB1	1:53:A:PHE:H	18	0.37
(1,3252)	1:49:A:ALA:HB2	1:53:A:PHE:H	18	0.37
(1,3252)	1:49:A:ALA:HB3	1:53:A:PHE:H	18	0.37
(1,3202)	1:41:B:ARG:HB3	1:47:B:PHE:HB3	15	0.37
(1,3201)	1:41:A:ARG:HB3	1:47:A:PHE:HB3	15	0.37
(1,3198)	1:48:B:MET:HB2	1:47:B:PHE:HB2	4	0.37
(1,3197)	1:48:A:MET:HB2	1:47:A:PHE:HB2	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3186)	1:76:B:LYS:HB3	1:76:B:LYS:HE2	13	0.37
(1,3146)	1:51:B:VAL:HG21	1:69:B:TRP:HZ3	8	0.37
(1,3146)	1:51:B:VAL:HG22	1:69:B:TRP:HZ3	8	0.37
(1,3146)	1:51:B:VAL:HG23	1:69:B:TRP:HZ3	8	0.37
(1,3098)	1:65:A:ILE:HD11	1:25:A:THR:HB	15	0.37
(1,3098)	1:65:A:ILE:HD12	1:25:A:THR:HB	15	0.37
(1,3098)	1:65:A:ILE:HD13	1:25:A:THR:HB	15	0.37
(1,3097)	1:65:B:ILE:HD11	1:25:B:THR:HB	15	0.37
(1,3097)	1:65:B:ILE:HD12	1:25:B:THR:HB	15	0.37
(1,3097)	1:65:B:ILE:HD13	1:25:B:THR:HB	15	0.37
(1,3076)	1:99:B:ARG:H	1:97:B:ARG:HG3	6	0.37
(1,3041)	1:27:A:GLN:HA	1:30:A:THR:HB	13	0.37
(1,3040)	1:27:B:GLN:HA	1:30:B:THR:HB	13	0.37
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD11	10	0.37
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD12	10	0.37
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD13	10	0.37
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD11	10	0.37
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD12	10	0.37
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD13	10	0.37
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD11	10	0.37
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD12	10	0.37
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD13	10	0.37
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD11	10	0.37
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD12	10	0.37
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD13	10	0.37
(1,3001)	1:28:B:GLN:HE22	1:28:B:GLN:HG3	2	0.37
(1,3001)	1:28:B:GLN:HE22	1:28:B:GLN:HG3	3	0.37
(1,3001)	1:28:B:GLN:HE22	1:28:B:GLN:HG2	11	0.37
(1,3001)	1:28:B:GLN:HE22	1:28:B:GLN:HG3	17	0.37
(1,3001)	1:28:B:GLN:HE22	1:28:B:GLN:HG3	20	0.37
(1,3000)	1:28:A:GLN:HE22	1:28:A:GLN:HG3	2	0.37
(1,3000)	1:28:A:GLN:HE22	1:28:A:GLN:HG3	3	0.37
(1,3000)	1:28:A:GLN:HE22	1:28:A:GLN:HG3	17	0.37
(1,2983)	1:49:B:ALA:H	1:46:B:LEU:HA	4	0.37
(1,2982)	1:49:A:ALA:H	1:46:A:LEU:HA	4	0.37
(1,2872)	1:67:A:LYS:HA	1:67:A:LYS:HD3	8	0.37
(1,2825)	1:51:B:VAL:HG21	1:55:B:ARG:HD3	2	0.37
(1,2825)	1:51:B:VAL:HG22	1:55:B:ARG:HD3	2	0.37
(1,2825)	1:51:B:VAL:HG23	1:55:B:ARG:HD3	2	0.37
(1,2809)	1:23:A:VAL:HG11	1:24:A:SER:HA	3	0.37
(1,2809)	1:23:A:VAL:HG12	1:24:A:SER:HA	3	0.37
(1,2809)	1:23:A:VAL:HG13	1:24:A:SER:HA	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2808)	1:23:B:VAL:HG11	1:24:B:SER:HA	7	0.37
(1,2808)	1:23:B:VAL:HG12	1:24:B:SER:HA	7	0.37
(1,2808)	1:23:B:VAL:HG13	1:24:B:SER:HA	7	0.37
(1,2808)	1:23:B:VAL:HG11	1:24:B:SER:HA	16	0.37
(1,2808)	1:23:B:VAL:HG12	1:24:B:SER:HA	16	0.37
(1,2808)	1:23:B:VAL:HG13	1:24:B:SER:HA	16	0.37
(1,2807)	1:23:A:VAL:HG11	1:24:A:SER:HA	3	0.37
(1,2807)	1:23:A:VAL:HG12	1:24:A:SER:HA	3	0.37
(1,2807)	1:23:A:VAL:HG13	1:24:A:SER:HA	3	0.37
(1,2806)	1:23:B:VAL:HG21	1:24:B:SER:HA	4	0.37
(1,2806)	1:23:B:VAL:HG22	1:24:B:SER:HA	4	0.37
(1,2806)	1:23:B:VAL:HG23	1:24:B:SER:HA	4	0.37
(1,2804)	1:26:A:VAL:HG11	1:22:A:ARG:HG2	12	0.37
(1,2804)	1:26:A:VAL:HG12	1:22:A:ARG:HG2	12	0.37
(1,2804)	1:26:A:VAL:HG13	1:22:A:ARG:HG2	12	0.37
(1,2770)	1:57:A:LEU:HD11	1:46:B:LEU:HD11	16	0.37
(1,2770)	1:57:A:LEU:HD11	1:46:B:LEU:HD12	16	0.37
(1,2770)	1:57:A:LEU:HD11	1:46:B:LEU:HD13	16	0.37
(1,2770)	1:57:A:LEU:HD12	1:46:B:LEU:HD11	16	0.37
(1,2770)	1:57:A:LEU:HD12	1:46:B:LEU:HD12	16	0.37
(1,2770)	1:57:A:LEU:HD12	1:46:B:LEU:HD13	16	0.37
(1,2770)	1:57:A:LEU:HD13	1:46:B:LEU:HD11	16	0.37
(1,2770)	1:57:A:LEU:HD13	1:46:B:LEU:HD12	16	0.37
(1,2770)	1:57:A:LEU:HD13	1:46:B:LEU:HD13	16	0.37
(1,2718)	1:63:A:ALA:HB1	1:66:A:LEU:H	2	0.37
(1,2718)	1:63:A:ALA:HB2	1:66:A:LEU:H	2	0.37
(1,2718)	1:63:A:ALA:HB3	1:66:A:LEU:H	2	0.37
(1,2718)	1:63:A:ALA:HB1	1:66:A:LEU:H	10	0.37
(1,2718)	1:63:A:ALA:HB2	1:66:A:LEU:H	10	0.37
(1,2718)	1:63:A:ALA:HB3	1:66:A:LEU:H	10	0.37
(1,2718)	1:63:A:ALA:HB1	1:66:A:LEU:H	19	0.37
(1,2718)	1:63:A:ALA:HB2	1:66:A:LEU:H	19	0.37
(1,2718)	1:63:A:ALA:HB3	1:66:A:LEU:H	19	0.37
(1,2717)	1:63:B:ALA:HB1	1:66:B:LEU:H	3	0.37
(1,2717)	1:63:B:ALA:HB2	1:66:B:LEU:H	3	0.37
(1,2717)	1:63:B:ALA:HB3	1:66:B:LEU:H	3	0.37
(1,2717)	1:63:B:ALA:HB1	1:66:B:LEU:H	10	0.37
(1,2717)	1:63:B:ALA:HB2	1:66:B:LEU:H	10	0.37
(1,2717)	1:63:B:ALA:HB3	1:66:B:LEU:H	10	0.37
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD1	15	0.37
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD2	15	0.37
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD1	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD2	15	0.37
(1,2684)	1:46:A:LEU:H	1:47:A:PHE:HB2	7	0.37
(1,2682)	1:26:A:VAL:HG11	1:22:A:ARG:HG3	9	0.37
(1,2682)	1:26:A:VAL:HG12	1:22:A:ARG:HG3	9	0.37
(1,2682)	1:26:A:VAL:HG13	1:22:A:ARG:HG3	9	0.37
(1,2645)	1:78:A:ILE:HD11	1:96:B:ASN:HD21	20	0.37
(1,2645)	1:78:A:ILE:HD12	1:96:B:ASN:HD21	20	0.37
(1,2645)	1:78:A:ILE:HD13	1:96:B:ASN:HD21	20	0.37
(1,2640)	1:28:B:GLN:HE21	1:50:B:LEU:HG	1	0.37
(1,2639)	1:28:A:GLN:HE21	1:50:A:LEU:HG	1	0.37
(1,2636)	1:27:A:GLN:HA	1:24:A:SER:H	12	0.37
(1,2603)	1:82:B:ARG:HA	1:85:B:ARG:HD3	4	0.37
(1,2552)	1:58:B:THR:HA	1:59:B:ILE:HA	14	0.37
(1,2551)	1:58:A:THR:HA	1:59:A:ILE:HA	14	0.37
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD11	19	0.37
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD12	19	0.37
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD13	19	0.37
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD11	19	0.37
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD12	19	0.37
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD13	19	0.37
(1,2059)	1:57:B:LEU:HD21	1:46:A:LEU:H	17	0.37
(1,2059)	1:57:B:LEU:HD22	1:46:A:LEU:H	17	0.37
(1,2059)	1:57:B:LEU:HD23	1:46:A:LEU:H	17	0.37
(1,2041)	1:71:B:THR:HG21	1:43:B:PRO:HD2	10	0.37
(1,2041)	1:71:B:THR:HG22	1:43:B:PRO:HD2	10	0.37
(1,2041)	1:71:B:THR:HG23	1:43:B:PRO:HD2	10	0.37
(1,2040)	1:71:A:THR:HG21	1:43:A:PRO:HD2	10	0.37
(1,2040)	1:71:A:THR:HG22	1:43:A:PRO:HD2	10	0.37
(1,2040)	1:71:A:THR:HG23	1:43:A:PRO:HD2	10	0.37
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE1	16	0.37
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE2	16	0.37
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE1	16	0.37
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE2	16	0.37
(1,1917)	1:49:B:ALA:HB1	1:57:A:LEU:HA	5	0.37
(1,1917)	1:49:B:ALA:HB2	1:57:A:LEU:HA	5	0.37
(1,1917)	1:49:B:ALA:HB3	1:57:A:LEU:HA	5	0.37
(1,1912)	1:94:A:ILE:HG21	1:97:A:ARG:H	8	0.37
(1,1912)	1:94:A:ILE:HG22	1:97:A:ARG:H	8	0.37
(1,1912)	1:94:A:ILE:HG23	1:97:A:ARG:H	8	0.37
(1,1911)	1:94:B:ILE:HG21	1:97:B:ARG:H	8	0.37
(1,1911)	1:94:B:ILE:HG22	1:97:B:ARG:H	8	0.37
(1,1911)	1:94:B:ILE:HG23	1:97:B:ARG:H	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1887)	1:48:B:MET:H	1:48:B:MET:HG3	13	0.37
(1,1887)	1:48:B:MET:H	1:48:B:MET:HG3	18	0.37
(1,1799)	1:84:B:PHE:HD1	1:85:A:ARG:HA	10	0.37
(1,1799)	1:84:B:PHE:HD2	1:85:A:ARG:HA	10	0.37
(1,1762)	1:86:B:LYS:HA	1:86:B:LYS:HG2	12	0.37
(1,1748)	1:88:A:ILE:HG21	1:86:A:LYS:H	5	0.37
(1,1748)	1:88:A:ILE:HG22	1:86:A:LYS:H	5	0.37
(1,1748)	1:88:A:ILE:HG23	1:86:A:LYS:H	5	0.37
(1,1747)	1:88:B:ILE:HG21	1:86:B:LYS:H	5	0.37
(1,1747)	1:88:B:ILE:HG22	1:86:B:LYS:H	5	0.37
(1,1747)	1:88:B:ILE:HG23	1:86:B:LYS:H	5	0.37
(1,1653)	1:69:B:TRP:HA	1:67:B:LYS:H	17	0.37
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG11	15	0.37
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG12	15	0.37
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG13	15	0.37
(1,1388)	1:62:B:THR:HA	1:23:B:VAL:HG21	2	0.37
(1,1388)	1:62:B:THR:HA	1:23:B:VAL:HG22	2	0.37
(1,1388)	1:62:B:THR:HA	1:23:B:VAL:HG23	2	0.37
(1,1268)	1:69:B:TRP:HE3	1:47:B:PHE:HE1	12	0.37
(1,1268)	1:69:B:TRP:HE3	1:47:B:PHE:HE2	12	0.37
(1,1115)	1:92:B:LEU:HD21	1:82:A:ARG:H	2	0.37
(1,1115)	1:92:B:LEU:HD22	1:82:A:ARG:H	2	0.37
(1,1115)	1:92:B:LEU:HD23	1:82:A:ARG:H	2	0.37
(1,1115)	1:92:B:LEU:HD21	1:82:A:ARG:H	18	0.37
(1,1115)	1:92:B:LEU:HD22	1:82:A:ARG:H	18	0.37
(1,1115)	1:92:B:LEU:HD23	1:82:A:ARG:H	18	0.37
(1,1114)	1:92:A:LEU:HD21	1:82:B:ARG:H	16	0.37
(1,1114)	1:92:A:LEU:HD22	1:82:B:ARG:H	16	0.37
(1,1114)	1:92:A:LEU:HD23	1:82:B:ARG:H	16	0.37
(1,1105)	1:74:B:LYS:HA	1:75:B:SER:H	5	0.37
(1,1104)	1:74:A:LYS:HA	1:75:A:SER:H	5	0.37
(1,1082)	1:93:B:ASN:HD21	1:91:B:MET:H	6	0.37
(1,1063)	1:27:A:GLN:H	1:29:A:LEU:H	6	0.37
(1,1062)	1:27:B:GLN:H	1:29:B:LEU:H	6	0.37
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD11	2	0.37
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD12	2	0.37
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD13	2	0.37
(1,961)	1:86:A:LYS:HD3	1:86:A:LYS:HB3	1	0.37
(1,961)	1:86:A:LYS:HD3	1:86:A:LYS:HB3	6	0.37
(1,961)	1:86:A:LYS:HD3	1:86:A:LYS:HB3	18	0.37
(1,916)	1:69:B:TRP:HZ2	1:95:A:LEU:HG	2	0.37
(1,805)	1:65:A:ILE:HG21	1:51:A:VAL:H	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:65:A:ILE:HG22	1:51:A:VAL:H	12	0.37
(1,805)	1:65:A:ILE:HG23	1:51:A:VAL:H	12	0.37
(1,797)	1:59:A:ILE:HB	1:60:A:PRO:HD3	15	0.37
(1,796)	1:59:B:ILE:HB	1:60:B:PRO:HD3	15	0.37
(1,783)	1:22:A:ARG:HG3	1:23:A:VAL:H	20	0.37
(1,763)	1:51:A:VAL:HG21	1:52:A:ALA:H	2	0.37
(1,763)	1:51:A:VAL:HG22	1:52:A:ALA:H	2	0.37
(1,763)	1:51:A:VAL:HG23	1:52:A:ALA:H	2	0.37
(1,762)	1:51:B:VAL:HG21	1:52:B:ALA:H	2	0.37
(1,762)	1:51:B:VAL:HG22	1:52:B:ALA:H	2	0.37
(1,762)	1:51:B:VAL:HG23	1:52:B:ALA:H	2	0.37
(1,754)	1:96:A:ASN:HD22	1:97:A:ARG:HA	7	0.37
(1,753)	1:96:B:ASN:HD22	1:97:B:ARG:HA	2	0.37
(1,736)	1:57:B:LEU:HB2	1:59:B:ILE:H	19	0.37
(1,711)	1:66:B:LEU:H	1:64:B:GLY:H	7	0.37
(1,681)	1:38:B:LEU:HA	1:38:B:LEU:HG	12	0.37
(1,681)	1:38:B:LEU:HA	1:38:B:LEU:HG	14	0.37
(1,681)	1:38:B:LEU:HA	1:38:B:LEU:HG	19	0.37
(1,680)	1:38:A:LEU:HA	1:38:A:LEU:HG	12	0.37
(1,680)	1:38:A:LEU:HA	1:38:A:LEU:HG	14	0.37
(1,662)	1:62:B:THR:H	1:66:B:LEU:H	8	0.37
(1,662)	1:62:B:THR:H	1:66:B:LEU:H	14	0.37
(1,228)	1:74:A:LYS:HE3	1:98:B:ARG:HD2	15	0.37
(1,165)	1:69:A:TRP:HH2	1:95:B:LEU:HG	13	0.37
(1,66)	1:77:A:ALA:HB1	1:72:A:ILE:HG12	12	0.37
(1,66)	1:77:A:ALA:HB2	1:72:A:ILE:HG12	12	0.37
(1,66)	1:77:A:ALA:HB3	1:72:A:ILE:HG12	12	0.37
(1,56)	1:49:A:ALA:HB1	1:56:B:PHE:HE1	2	0.37
(1,56)	1:49:A:ALA:HB1	1:56:B:PHE:HE2	2	0.37
(1,56)	1:49:A:ALA:HB2	1:56:B:PHE:HE1	2	0.37
(1,56)	1:49:A:ALA:HB2	1:56:B:PHE:HE2	2	0.37
(1,56)	1:49:A:ALA:HB3	1:56:B:PHE:HE1	2	0.37
(1,56)	1:49:A:ALA:HB3	1:56:B:PHE:HE2	2	0.37
(1,44)	1:95:A:LEU:HA	1:74:B:LYS:HE2	12	0.37
(1,32)	1:57:B:LEU:HD11	1:45:A:LYS:HE2	12	0.37
(1,32)	1:57:B:LEU:HD12	1:45:A:LYS:HE2	12	0.37
(1,32)	1:57:B:LEU:HD13	1:45:A:LYS:HE2	12	0.37
(2,120)	1:59:B:ILE:HD11	1:60:B:PRO:HD2	2	0.36
(2,120)	1:59:B:ILE:HD12	1:60:B:PRO:HD2	2	0.36
(2,120)	1:59:B:ILE:HD13	1:60:B:PRO:HD2	2	0.36
(2,80)	1:57:A:LEU:HB3	1:59:A:ILE:H	7	0.36
(1,3455)	1:90:B:ARG:HA	1:92:B:LEU:H	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3455)	1:90:B:ARG:HA	1:92:B:LEU:H	10	0.36
(1,3455)	1:90:B:ARG:HA	1:92:B:LEU:H	19	0.36
(1,3454)	1:90:A:ARG:HA	1:92:A:LEU:H	1	0.36
(1,3454)	1:90:A:ARG:HA	1:92:A:LEU:H	3	0.36
(1,3406)	1:77:A:ALA:HB1	1:76:A:LYS:H	1	0.36
(1,3406)	1:77:A:ALA:HB2	1:76:A:LYS:H	1	0.36
(1,3406)	1:77:A:ALA:HB3	1:76:A:LYS:H	1	0.36
(1,3405)	1:77:B:ALA:HB1	1:76:B:LYS:H	1	0.36
(1,3405)	1:77:B:ALA:HB2	1:76:B:LYS:H	1	0.36
(1,3405)	1:77:B:ALA:HB3	1:76:B:LYS:H	1	0.36
(1,3405)	1:77:B:ALA:HB1	1:76:B:LYS:H	16	0.36
(1,3405)	1:77:B:ALA:HB2	1:76:B:LYS:H	16	0.36
(1,3405)	1:77:B:ALA:HB3	1:76:B:LYS:H	16	0.36
(1,3374)	1:94:B:ILE:HD11	1:66:A:LEU:HA	19	0.36
(1,3374)	1:94:B:ILE:HD12	1:66:A:LEU:HA	19	0.36
(1,3374)	1:94:B:ILE:HD13	1:66:A:LEU:HA	19	0.36
(1,3318)	1:71:B:THR:HG21	1:44:B:LEU:HA	15	0.36
(1,3318)	1:71:B:THR:HG22	1:44:B:LEU:HA	15	0.36
(1,3318)	1:71:B:THR:HG23	1:44:B:LEU:HA	15	0.36
(1,3299)	1:22:A:ARG:HB3	1:63:A:ALA:H	15	0.36
(1,3270)	1:44:A:LEU:H	1:47:A:PHE:HB2	4	0.36
(1,3269)	1:44:B:LEU:H	1:47:B:PHE:HB2	4	0.36
(1,3253)	1:49:B:ALA:HB1	1:53:B:PHE:H	7	0.36
(1,3253)	1:49:B:ALA:HB2	1:53:B:PHE:H	7	0.36
(1,3253)	1:49:B:ALA:HB3	1:53:B:PHE:H	7	0.36
(1,3253)	1:49:B:ALA:HB1	1:53:B:PHE:H	10	0.36
(1,3253)	1:49:B:ALA:HB2	1:53:B:PHE:H	10	0.36
(1,3253)	1:49:B:ALA:HB3	1:53:B:PHE:H	10	0.36
(1,3252)	1:49:A:ALA:HB1	1:53:A:PHE:H	7	0.36
(1,3252)	1:49:A:ALA:HB2	1:53:A:PHE:H	7	0.36
(1,3252)	1:49:A:ALA:HB3	1:53:A:PHE:H	7	0.36
(1,3252)	1:49:A:ALA:HB1	1:53:A:PHE:H	12	0.36
(1,3252)	1:49:A:ALA:HB2	1:53:A:PHE:H	12	0.36
(1,3252)	1:49:A:ALA:HB3	1:53:A:PHE:H	12	0.36
(1,3242)	1:23:B:VAL:HG21	1:63:B:ALA:H	6	0.36
(1,3242)	1:23:B:VAL:HG22	1:63:B:ALA:H	6	0.36
(1,3242)	1:23:B:VAL:HG23	1:63:B:ALA:H	6	0.36
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD11	13	0.36
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD12	13	0.36
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD13	13	0.36
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD11	13	0.36
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD12	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD13	13	0.36
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD11	13	0.36
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD12	13	0.36
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD13	13	0.36
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD11	13	0.36
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD12	13	0.36
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD13	13	0.36
(1,3001)	1:28:B:GLN:HE22	1:28:B:GLN:HG2	1	0.36
(1,3001)	1:28:B:GLN:HE22	1:28:B:GLN:HG3	8	0.36
(1,3001)	1:28:B:GLN:HE22	1:28:B:GLN:HG2	12	0.36
(1,3001)	1:28:B:GLN:HE22	1:28:B:GLN:HG3	16	0.36
(1,3001)	1:28:B:GLN:HE22	1:28:B:GLN:HG3	18	0.36
(1,3001)	1:28:B:GLN:HE22	1:28:B:GLN:HG3	19	0.36
(1,3000)	1:28:A:GLN:HE22	1:28:A:GLN:HG2	1	0.36
(1,3000)	1:28:A:GLN:HE22	1:28:A:GLN:HG3	8	0.36
(1,3000)	1:28:A:GLN:HE22	1:28:A:GLN:HG2	11	0.36
(1,3000)	1:28:A:GLN:HE22	1:28:A:GLN:HG2	12	0.36
(1,3000)	1:28:A:GLN:HE22	1:28:A:GLN:HG3	16	0.36
(1,3000)	1:28:A:GLN:HE22	1:28:A:GLN:HG3	18	0.36
(1,3000)	1:28:A:GLN:HE22	1:28:A:GLN:HG3	20	0.36
(1,2940)	1:71:B:THR:H	1:44:B:LEU:HD21	10	0.36
(1,2940)	1:71:B:THR:H	1:44:B:LEU:HD22	10	0.36
(1,2940)	1:71:B:THR:H	1:44:B:LEU:HD23	10	0.36
(1,2889)	1:59:A:ILE:HD11	1:60:A:PRO:HD2	2	0.36
(1,2889)	1:59:A:ILE:HD12	1:60:A:PRO:HD2	2	0.36
(1,2889)	1:59:A:ILE:HD13	1:60:A:PRO:HD2	2	0.36
(1,2882)	1:38:B:LEU:HD11	1:39:B:GLN:H	5	0.36
(1,2882)	1:38:B:LEU:HD12	1:39:B:GLN:H	5	0.36
(1,2882)	1:38:B:LEU:HD13	1:39:B:GLN:H	5	0.36
(1,2881)	1:38:A:LEU:HD11	1:39:A:GLN:H	5	0.36
(1,2881)	1:38:A:LEU:HD12	1:39:A:GLN:H	5	0.36
(1,2881)	1:38:A:LEU:HD13	1:39:A:GLN:H	5	0.36
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD11	11	0.36
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD12	11	0.36
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD13	11	0.36
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD11	11	0.36
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD12	11	0.36
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD13	11	0.36
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD11	11	0.36
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD12	11	0.36
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD13	11	0.36
(1,2809)	1:23:A:VAL:HG11	1:24:A:SER:HA	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2809)	1:23:A:VAL:HG12	1:24:A:SER:HA	14	0.36
(1,2809)	1:23:A:VAL:HG13	1:24:A:SER:HA	14	0.36
(1,2809)	1:23:A:VAL:HG21	1:24:A:SER:HA	20	0.36
(1,2809)	1:23:A:VAL:HG22	1:24:A:SER:HA	20	0.36
(1,2809)	1:23:A:VAL:HG23	1:24:A:SER:HA	20	0.36
(1,2807)	1:23:A:VAL:HG11	1:24:A:SER:HA	14	0.36
(1,2807)	1:23:A:VAL:HG12	1:24:A:SER:HA	14	0.36
(1,2807)	1:23:A:VAL:HG13	1:24:A:SER:HA	14	0.36
(1,2807)	1:23:A:VAL:HG21	1:24:A:SER:HA	20	0.36
(1,2807)	1:23:A:VAL:HG22	1:24:A:SER:HA	20	0.36
(1,2807)	1:23:A:VAL:HG23	1:24:A:SER:HA	20	0.36
(1,2726)	1:80:A:VAL:HG21	1:45:A:LYS:HB3	16	0.36
(1,2726)	1:80:A:VAL:HG22	1:45:A:LYS:HB3	16	0.36
(1,2726)	1:80:A:VAL:HG23	1:45:A:LYS:HB3	16	0.36
(1,2724)	1:47:B:PHE:HD1	1:65:B:ILE:HG13	3	0.36
(1,2724)	1:47:B:PHE:HD2	1:65:B:ILE:HG13	3	0.36
(1,2723)	1:47:A:PHE:HD1	1:65:A:ILE:HG13	3	0.36
(1,2723)	1:47:A:PHE:HD2	1:65:A:ILE:HG13	3	0.36
(1,2718)	1:63:A:ALA:HB1	1:66:A:LEU:H	3	0.36
(1,2718)	1:63:A:ALA:HB2	1:66:A:LEU:H	3	0.36
(1,2718)	1:63:A:ALA:HB3	1:66:A:LEU:H	3	0.36
(1,2717)	1:63:B:ALA:HB1	1:66:B:LEU:H	19	0.36
(1,2717)	1:63:B:ALA:HB2	1:66:B:LEU:H	19	0.36
(1,2717)	1:63:B:ALA:HB3	1:66:B:LEU:H	19	0.36
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD1	13	0.36
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD2	13	0.36
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD1	16	0.36
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD2	16	0.36
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD1	16	0.36
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD2	16	0.36
(1,2685)	1:46:B:LEU:H	1:47:B:PHE:HB2	7	0.36
(1,2619)	1:87:B:GLU:H	1:90:B:ARG:HD2	3	0.36
(1,2618)	1:87:A:GLU:H	1:90:A:ARG:HD2	3	0.36
(1,2604)	1:82:A:ARG:HA	1:85:A:ARG:HD3	4	0.36
(1,2552)	1:58:B:THR:HA	1:59:B:ILE:HA	4	0.36
(1,2517)	1:80:A:VAL:HG21	1:84:A:PHE:H	8	0.36
(1,2517)	1:80:A:VAL:HG22	1:84:A:PHE:H	8	0.36
(1,2517)	1:80:A:VAL:HG23	1:84:A:PHE:H	8	0.36
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG11	5	0.36
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG12	5	0.36
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG13	5	0.36
(1,2227)	1:61:B:PRO:HD3	1:61:B:PRO:HA	17	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2226)	1:61:A:PRO:HD3	1:61:A:PRO:HA	17	0.36
(1,2196)	1:72:A:ILE:HG12	1:47:A:PHE:HD1	3	0.36
(1,2196)	1:72:A:ILE:HG12	1:47:A:PHE:HD2	3	0.36
(1,2195)	1:72:B:ILE:HG12	1:47:B:PHE:HD1	3	0.36
(1,2195)	1:72:B:ILE:HG12	1:47:B:PHE:HD2	3	0.36
(1,2046)	1:67:A:LYS:H	1:67:A:LYS:HD2	19	0.36
(1,2034)	1:26:B:VAL:HA	1:25:B:THR:HA	18	0.36
(1,2033)	1:26:A:VAL:HA	1:25:A:THR:HA	18	0.36
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE1	7	0.36
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE2	7	0.36
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE1	7	0.36
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE2	7	0.36
(1,1999)	1:72:A:ILE:HD11	1:73:A:LYS:H	5	0.36
(1,1999)	1:72:A:ILE:HD12	1:73:A:LYS:H	5	0.36
(1,1999)	1:72:A:ILE:HD13	1:73:A:LYS:H	5	0.36
(1,1998)	1:72:B:ILE:HD11	1:73:B:LYS:H	5	0.36
(1,1998)	1:72:B:ILE:HD12	1:73:B:LYS:H	5	0.36
(1,1998)	1:72:B:ILE:HD13	1:73:B:LYS:H	5	0.36
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD21	2	0.36
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD22	2	0.36
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD23	2	0.36
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD21	2	0.36
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD22	2	0.36
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD23	2	0.36
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD21	2	0.36
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD22	2	0.36
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD23	2	0.36
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD21	2	0.36
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD22	2	0.36
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD23	2	0.36
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD21	2	0.36
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD22	2	0.36
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD23	2	0.36
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD21	2	0.36
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD22	2	0.36
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD23	2	0.36
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD11	14	0.36
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD12	14	0.36
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD13	14	0.36
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD11	14	0.36
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD12	14	0.36
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD13	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD11	14	0.36
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD12	14	0.36
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD13	14	0.36
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD11	14	0.36
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD12	14	0.36
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD13	14	0.36
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD11	14	0.36
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD12	14	0.36
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD13	14	0.36
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD11	14	0.36
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD12	14	0.36
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD13	14	0.36
(1,1932)	1:61:B:PRO:HG2	1:54:B:LEU:HD21	13	0.36
(1,1932)	1:61:B:PRO:HG2	1:54:B:LEU:HD22	13	0.36
(1,1932)	1:61:B:PRO:HG2	1:54:B:LEU:HD23	13	0.36
(1,1931)	1:61:A:PRO:HG2	1:54:A:LEU:HD21	13	0.36
(1,1931)	1:61:A:PRO:HG2	1:54:A:LEU:HD22	13	0.36
(1,1931)	1:61:A:PRO:HG2	1:54:A:LEU:HD23	13	0.36
(1,1912)	1:94:A:ILE:HG21	1:97:A:ARG:H	4	0.36
(1,1912)	1:94:A:ILE:HG22	1:97:A:ARG:H	4	0.36
(1,1912)	1:94:A:ILE:HG23	1:97:A:ARG:H	4	0.36
(1,1912)	1:94:A:ILE:HG21	1:97:A:ARG:H	10	0.36
(1,1912)	1:94:A:ILE:HG22	1:97:A:ARG:H	10	0.36
(1,1912)	1:94:A:ILE:HG23	1:97:A:ARG:H	10	0.36
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD11	19	0.36
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD12	19	0.36
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD13	19	0.36
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD11	19	0.36
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD12	19	0.36
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD13	19	0.36
(1,1798)	1:84:A:PHE:HD1	1:85:B:ARG:HA	10	0.36
(1,1798)	1:84:A:PHE:HD2	1:85:B:ARG:HA	10	0.36
(1,1762)	1:86:B:LYS:HA	1:86:B:LYS:HG2	17	0.36
(1,1762)	1:86:B:LYS:HA	1:86:B:LYS:HG2	18	0.36
(1,1762)	1:86:B:LYS:HA	1:86:B:LYS:HG2	20	0.36
(1,1761)	1:86:A:LYS:HA	1:86:A:LYS:HG2	17	0.36
(1,1761)	1:86:A:LYS:HA	1:86:A:LYS:HG2	18	0.36
(1,1761)	1:86:A:LYS:HA	1:86:A:LYS:HG2	20	0.36
(1,1748)	1:88:A:ILE:HG21	1:86:A:LYS:H	18	0.36
(1,1748)	1:88:A:ILE:HG22	1:86:A:LYS:H	18	0.36
(1,1748)	1:88:A:ILE:HG23	1:86:A:LYS:H	18	0.36
(1,1747)	1:88:B:ILE:HG21	1:86:B:LYS:H	18	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1747)	1:88:B:ILE:HG22	1:86:B:LYS:H	18	0.36
(1,1747)	1:88:B:ILE:HG23	1:86:B:LYS:H	18	0.36
(1,1520)	1:28:A:GLN:H	1:28:A:GLN:HE22	14	0.36
(1,1519)	1:28:B:GLN:H	1:28:B:GLN:HE22	14	0.36
(1,1500)	1:65:A:ILE:HD11	1:66:A:LEU:H	6	0.36
(1,1500)	1:65:A:ILE:HD12	1:66:A:LEU:H	6	0.36
(1,1500)	1:65:A:ILE:HD13	1:66:A:LEU:H	6	0.36
(1,1499)	1:65:B:ILE:HD11	1:66:B:LEU:H	6	0.36
(1,1499)	1:65:B:ILE:HD12	1:66:B:LEU:H	6	0.36
(1,1499)	1:65:B:ILE:HD13	1:66:B:LEU:H	6	0.36
(1,1473)	1:57:B:LEU:HD21	1:58:B:THR:H	6	0.36
(1,1473)	1:57:B:LEU:HD22	1:58:B:THR:H	6	0.36
(1,1473)	1:57:B:LEU:HD23	1:58:B:THR:H	6	0.36
(1,1435)	1:57:B:LEU:HD11	1:57:B:LEU:H	8	0.36
(1,1435)	1:57:B:LEU:HD12	1:57:B:LEU:H	8	0.36
(1,1435)	1:57:B:LEU:HD13	1:57:B:LEU:H	8	0.36
(1,1434)	1:57:A:LEU:HD11	1:57:A:LEU:H	8	0.36
(1,1434)	1:57:A:LEU:HD12	1:57:A:LEU:H	8	0.36
(1,1434)	1:57:A:LEU:HD13	1:57:A:LEU:H	8	0.36
(1,1433)	1:57:A:LEU:HD11	1:57:A:LEU:H	8	0.36
(1,1433)	1:57:A:LEU:HD12	1:57:A:LEU:H	8	0.36
(1,1433)	1:57:A:LEU:HD13	1:57:A:LEU:H	8	0.36
(1,1357)	1:29:A:LEU:HG	1:28:A:GLN:HE21	11	0.36
(1,1350)	1:28:A:GLN:HA	1:31:A:LYS:H	8	0.36
(1,1349)	1:28:B:GLN:HA	1:31:B:LYS:H	8	0.36
(1,1267)	1:69:A:TRP:HE3	1:47:A:PHE:HE1	12	0.36
(1,1267)	1:69:A:TRP:HE3	1:47:A:PHE:HE2	12	0.36
(1,1136)	1:77:A:ALA:HB1	1:74:A:LYS:HA	2	0.36
(1,1136)	1:77:A:ALA:HB2	1:74:A:LYS:HA	2	0.36
(1,1136)	1:77:A:ALA:HB3	1:74:A:LYS:HA	2	0.36
(1,1063)	1:27:A:GLN:H	1:29:A:LEU:H	10	0.36
(1,1062)	1:27:B:GLN:H	1:29:B:LEU:H	10	0.36
(1,1009)	1:91:A:MET:HG2	1:92:A:LEU:H	18	0.36
(1,974)	1:53:B:PHE:HD1	1:54:B:LEU:HA	6	0.36
(1,974)	1:53:B:PHE:HD2	1:54:B:LEU:HA	6	0.36
(1,973)	1:53:A:PHE:HD1	1:54:A:LEU:HA	6	0.36
(1,973)	1:53:A:PHE:HD2	1:54:A:LEU:HA	6	0.36
(1,961)	1:86:A:LYS:HD3	1:86:A:LYS:HB3	17	0.36
(1,948)	1:31:A:LYS:HA	1:31:A:LYS:HG3	14	0.36
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD21	3	0.36
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD22	3	0.36
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD23	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,854)	1:81:A:LEU:H	1:79:A:ASN:H	4	0.36
(1,850)	1:95:B:LEU:H	1:93:B:ASN:HA	19	0.36
(1,804)	1:65:B:ILE:HG21	1:51:B:VAL:H	12	0.36
(1,804)	1:65:B:ILE:HG22	1:51:B:VAL:H	12	0.36
(1,804)	1:65:B:ILE:HG23	1:51:B:VAL:H	12	0.36
(1,797)	1:59:A:ILE:HB	1:60:A:PRO:HD3	14	0.36
(1,796)	1:59:B:ILE:HB	1:60:B:PRO:HD3	14	0.36
(1,783)	1:22:A:ARG:HG3	1:23:A:VAL:H	4	0.36
(1,763)	1:51:A:VAL:HG21	1:52:A:ALA:H	3	0.36
(1,763)	1:51:A:VAL:HG22	1:52:A:ALA:H	3	0.36
(1,763)	1:51:A:VAL:HG23	1:52:A:ALA:H	3	0.36
(1,763)	1:51:A:VAL:HG21	1:52:A:ALA:H	14	0.36
(1,763)	1:51:A:VAL:HG22	1:52:A:ALA:H	14	0.36
(1,763)	1:51:A:VAL:HG23	1:52:A:ALA:H	14	0.36
(1,762)	1:51:B:VAL:HG21	1:52:B:ALA:H	3	0.36
(1,762)	1:51:B:VAL:HG22	1:52:B:ALA:H	3	0.36
(1,762)	1:51:B:VAL:HG23	1:52:B:ALA:H	3	0.36
(1,762)	1:51:B:VAL:HG21	1:52:B:ALA:H	14	0.36
(1,762)	1:51:B:VAL:HG22	1:52:B:ALA:H	14	0.36
(1,762)	1:51:B:VAL:HG23	1:52:B:ALA:H	14	0.36
(1,753)	1:96:B:ASN:HD22	1:97:B:ARG:HA	7	0.36
(1,736)	1:57:B:LEU:HB3	1:59:B:ILE:H	7	0.36
(1,711)	1:66:B:LEU:H	1:64:B:GLY:H	16	0.36
(1,710)	1:66:A:LEU:H	1:64:A:GLY:H	7	0.36
(1,710)	1:66:A:LEU:H	1:64:A:GLY:H	16	0.36
(1,710)	1:66:A:LEU:H	1:64:A:GLY:H	17	0.36
(1,700)	1:67:A:LYS:H	1:67:A:LYS:HA	10	0.36
(1,700)	1:67:A:LYS:H	1:67:A:LYS:HA	11	0.36
(1,700)	1:67:A:LYS:H	1:67:A:LYS:HA	13	0.36
(1,700)	1:67:A:LYS:H	1:67:A:LYS:HA	18	0.36
(1,700)	1:67:A:LYS:H	1:67:A:LYS:HA	20	0.36
(1,699)	1:67:B:LYS:H	1:67:B:LYS:HA	10	0.36
(1,699)	1:67:B:LYS:H	1:67:B:LYS:HA	11	0.36
(1,699)	1:67:B:LYS:H	1:67:B:LYS:HA	13	0.36
(1,699)	1:67:B:LYS:H	1:67:B:LYS:HA	18	0.36
(1,699)	1:67:B:LYS:H	1:67:B:LYS:HA	20	0.36
(1,663)	1:62:A:THR:H	1:66:A:LEU:H	8	0.36
(1,663)	1:62:A:THR:H	1:66:A:LEU:H	14	0.36
(1,433)	1:49:A:ALA:HB1	1:57:B:LEU:HB2	5	0.36
(1,433)	1:49:A:ALA:HB2	1:57:B:LEU:HB2	5	0.36
(1,433)	1:49:A:ALA:HB3	1:57:B:LEU:HB2	5	0.36
(1,333)	1:62:A:THR:HG21	1:64:A:GLY:HA2	18	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,333)	1:62:A:THR:HG22	1:64:A:GLY:HA2	18	0.36
(1,333)	1:62:A:THR:HG23	1:64:A:GLY:HA2	18	0.36
(1,332)	1:62:B:THR:HG21	1:64:B:GLY:HA2	18	0.36
(1,332)	1:62:B:THR:HG22	1:64:B:GLY:HA2	18	0.36
(1,332)	1:62:B:THR:HG23	1:64:B:GLY:HA2	18	0.36
(1,218)	1:65:A:ILE:HD11	1:54:A:LEU:HG	15	0.36
(1,218)	1:65:A:ILE:HD12	1:54:A:LEU:HG	15	0.36
(1,218)	1:65:A:ILE:HD13	1:54:A:LEU:HG	15	0.36
(1,216)	1:77:B:ALA:HB1	1:48:B:MET:HG2	7	0.36
(1,216)	1:77:B:ALA:HB2	1:48:B:MET:HG2	7	0.36
(1,216)	1:77:B:ALA:HB3	1:48:B:MET:HG2	7	0.36
(1,215)	1:77:A:ALA:HB1	1:48:A:MET:HG2	7	0.36
(1,215)	1:77:A:ALA:HB2	1:48:A:MET:HG2	7	0.36
(1,215)	1:77:A:ALA:HB3	1:48:A:MET:HG2	7	0.36
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG3	16	0.36
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG3	16	0.36
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG3	16	0.36
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG3	18	0.36
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG3	18	0.36
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG3	18	0.36
(1,145)	1:69:B:TRP:HH2	1:95:A:LEU:H	18	0.36
(1,94)	1:57:B:LEU:HD21	1:49:A:ALA:HA	16	0.36
(1,94)	1:57:B:LEU:HD22	1:49:A:ALA:HA	16	0.36
(1,94)	1:57:B:LEU:HD23	1:49:A:ALA:HA	16	0.36
(1,67)	1:77:B:ALA:HB1	1:72:B:ILE:HG12	12	0.36
(1,67)	1:77:B:ALA:HB2	1:72:B:ILE:HG12	12	0.36
(1,67)	1:77:B:ALA:HB3	1:72:B:ILE:HG12	12	0.36
(1,50)	1:45:B:LYS:HE2	1:57:A:LEU:HA	8	0.36
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG21	1	0.36
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG22	1	0.36
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG23	1	0.36
(2,348)	1:47:B:PHE:HD1	1:41:B:ARG:HD2	1	0.35
(2,348)	1:47:B:PHE:HD2	1:41:B:ARG:HD2	1	0.35
(2,279)	1:47:A:PHE:HD1	1:41:A:ARG:HD2	1	0.35
(2,279)	1:47:A:PHE:HD2	1:41:A:ARG:HD2	1	0.35
(2,259)	1:31:B:LYS:HA	1:31:B:LYS:HG3	14	0.35
(2,201)	1:67:B:LYS:H	1:67:B:LYS:HD2	19	0.35
(2,152)	1:48:A:MET:H	1:48:A:MET:HG3	11	0.35
(2,152)	1:48:A:MET:H	1:48:A:MET:HG3	14	0.35
(2,135)	1:67:B:LYS:HA	1:67:B:LYS:HD3	5	0.35
(2,93)	1:57:A:LEU:HD11	1:45:B:LYS:HD3	4	0.35
(2,93)	1:57:A:LEU:HD12	1:45:B:LYS:HD3	4	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,93)	1:57:A:LEU:HD13	1:45:B:LYS:HD3	4	0.35
(1,3455)	1:90:B:ARG:HA	1:92:B:LEU:H	9	0.35
(1,3454)	1:90:A:ARG:HA	1:92:A:LEU:H	10	0.35
(1,3406)	1:77:A:ALA:HB1	1:76:A:LYS:H	2	0.35
(1,3406)	1:77:A:ALA:HB2	1:76:A:LYS:H	2	0.35
(1,3406)	1:77:A:ALA:HB3	1:76:A:LYS:H	2	0.35
(1,3406)	1:77:A:ALA:HB1	1:76:A:LYS:H	7	0.35
(1,3406)	1:77:A:ALA:HB2	1:76:A:LYS:H	7	0.35
(1,3406)	1:77:A:ALA:HB3	1:76:A:LYS:H	7	0.35
(1,3406)	1:77:A:ALA:HB1	1:76:A:LYS:H	16	0.35
(1,3406)	1:77:A:ALA:HB2	1:76:A:LYS:H	16	0.35
(1,3406)	1:77:A:ALA:HB3	1:76:A:LYS:H	16	0.35
(1,3406)	1:77:A:ALA:HB1	1:76:A:LYS:H	19	0.35
(1,3406)	1:77:A:ALA:HB2	1:76:A:LYS:H	19	0.35
(1,3406)	1:77:A:ALA:HB3	1:76:A:LYS:H	19	0.35
(1,3405)	1:77:B:ALA:HB1	1:76:B:LYS:H	2	0.35
(1,3405)	1:77:B:ALA:HB2	1:76:B:LYS:H	2	0.35
(1,3405)	1:77:B:ALA:HB3	1:76:B:LYS:H	2	0.35
(1,3405)	1:77:B:ALA:HB1	1:76:B:LYS:H	7	0.35
(1,3405)	1:77:B:ALA:HB2	1:76:B:LYS:H	7	0.35
(1,3405)	1:77:B:ALA:HB3	1:76:B:LYS:H	7	0.35
(1,3405)	1:77:B:ALA:HB1	1:76:B:LYS:H	19	0.35
(1,3405)	1:77:B:ALA:HB2	1:76:B:LYS:H	19	0.35
(1,3405)	1:77:B:ALA:HB3	1:76:B:LYS:H	19	0.35
(1,3405)	1:77:B:ALA:HB1	1:76:B:LYS:H	20	0.35
(1,3405)	1:77:B:ALA:HB2	1:76:B:LYS:H	20	0.35
(1,3405)	1:77:B:ALA:HB3	1:76:B:LYS:H	20	0.35
(1,3382)	1:87:B:GLU:HB3	1:55:A:ARG:HG3	6	0.35
(1,3299)	1:22:A:ARG:HB2	1:63:A:ALA:H	3	0.35
(1,3298)	1:22:B:ARG:HB3	1:63:B:ALA:H	15	0.35
(1,3253)	1:49:B:ALA:HB1	1:53:B:PHE:H	12	0.35
(1,3253)	1:49:B:ALA:HB2	1:53:B:PHE:H	12	0.35
(1,3253)	1:49:B:ALA:HB3	1:53:B:PHE:H	12	0.35
(1,3253)	1:49:B:ALA:HB1	1:53:B:PHE:H	14	0.35
(1,3253)	1:49:B:ALA:HB2	1:53:B:PHE:H	14	0.35
(1,3253)	1:49:B:ALA:HB3	1:53:B:PHE:H	14	0.35
(1,3252)	1:49:A:ALA:HB1	1:53:A:PHE:H	10	0.35
(1,3252)	1:49:A:ALA:HB2	1:53:A:PHE:H	10	0.35
(1,3252)	1:49:A:ALA:HB3	1:53:A:PHE:H	10	0.35
(1,3252)	1:49:A:ALA:HB1	1:53:A:PHE:H	14	0.35
(1,3252)	1:49:A:ALA:HB2	1:53:A:PHE:H	14	0.35
(1,3252)	1:49:A:ALA:HB3	1:53:A:PHE:H	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3110)	1:47:A:PHE:HD1	1:44:A:LEU:HA	6	0.35
(1,3110)	1:47:A:PHE:HD2	1:44:A:LEU:HA	6	0.35
(1,3109)	1:47:B:PHE:HD1	1:44:B:LEU:HA	6	0.35
(1,3109)	1:47:B:PHE:HD2	1:44:B:LEU:HA	6	0.35
(1,3065)	1:69:B:TRP:HE3	1:51:B:VAL:HB	20	0.35
(1,3064)	1:69:A:TRP:HE3	1:51:A:VAL:HB	20	0.35
(1,3000)	1:28:A:GLN:HE22	1:28:A:GLN:HG3	19	0.35
(1,2941)	1:71:A:THR:H	1:44:A:LEU:HD21	10	0.35
(1,2941)	1:71:A:THR:H	1:44:A:LEU:HD22	10	0.35
(1,2941)	1:71:A:THR:H	1:44:A:LEU:HD23	10	0.35
(1,2844)	1:92:A:LEU:HA	1:93:A:ASN:H	3	0.35
(1,2844)	1:92:A:LEU:HA	1:93:A:ASN:H	13	0.35
(1,2844)	1:92:A:LEU:HA	1:93:A:ASN:H	16	0.35
(1,2844)	1:92:A:LEU:HA	1:93:A:ASN:H	17	0.35
(1,2843)	1:92:B:LEU:HA	1:93:B:ASN:H	3	0.35
(1,2843)	1:92:B:LEU:HA	1:93:B:ASN:H	13	0.35
(1,2843)	1:92:B:LEU:HA	1:93:B:ASN:H	16	0.35
(1,2843)	1:92:B:LEU:HA	1:93:B:ASN:H	17	0.35
(1,2809)	1:23:A:VAL:HG21	1:24:A:SER:HA	12	0.35
(1,2809)	1:23:A:VAL:HG22	1:24:A:SER:HA	12	0.35
(1,2809)	1:23:A:VAL:HG23	1:24:A:SER:HA	12	0.35
(1,2808)	1:23:B:VAL:HG11	1:24:B:SER:HA	3	0.35
(1,2808)	1:23:B:VAL:HG12	1:24:B:SER:HA	3	0.35
(1,2808)	1:23:B:VAL:HG13	1:24:B:SER:HA	3	0.35
(1,2808)	1:23:B:VAL:HG11	1:24:B:SER:HA	14	0.35
(1,2808)	1:23:B:VAL:HG12	1:24:B:SER:HA	14	0.35
(1,2808)	1:23:B:VAL:HG13	1:24:B:SER:HA	14	0.35
(1,2807)	1:23:A:VAL:HG21	1:24:A:SER:HA	12	0.35
(1,2807)	1:23:A:VAL:HG22	1:24:A:SER:HA	12	0.35
(1,2807)	1:23:A:VAL:HG23	1:24:A:SER:HA	12	0.35
(1,2806)	1:23:B:VAL:HG21	1:24:B:SER:HA	20	0.35
(1,2806)	1:23:B:VAL:HG22	1:24:B:SER:HA	20	0.35
(1,2806)	1:23:B:VAL:HG23	1:24:B:SER:HA	20	0.35
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB1	17	0.35
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB2	17	0.35
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB3	17	0.35
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB1	17	0.35
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB2	17	0.35
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB3	17	0.35
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB1	17	0.35
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB2	17	0.35
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB3	17	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD1	13	0.35
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD2	13	0.35
(1,2616)	1:96:A:ASN:H	1:98:A:ARG:HD3	8	0.35
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD11	3	0.35
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD12	3	0.35
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD13	3	0.35
(1,2578)	1:69:B:TRP:HE3	1:65:B:ILE:HG21	5	0.35
(1,2578)	1:69:B:TRP:HE3	1:65:B:ILE:HG22	5	0.35
(1,2578)	1:69:B:TRP:HE3	1:65:B:ILE:HG23	5	0.35
(1,2577)	1:69:A:TRP:HE3	1:65:A:ILE:HG21	5	0.35
(1,2577)	1:69:A:TRP:HE3	1:65:A:ILE:HG22	5	0.35
(1,2577)	1:69:A:TRP:HE3	1:65:A:ILE:HG23	5	0.35
(1,2552)	1:58:B:THR:HA	1:59:B:ILE:HA	13	0.35
(1,2551)	1:58:A:THR:HA	1:59:A:ILE:HA	4	0.35
(1,2551)	1:58:A:THR:HA	1:59:A:ILE:HA	13	0.35
(1,2517)	1:80:A:VAL:HG21	1:84:A:PHE:H	2	0.35
(1,2517)	1:80:A:VAL:HG22	1:84:A:PHE:H	2	0.35
(1,2517)	1:80:A:VAL:HG23	1:84:A:PHE:H	2	0.35
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD11	14	0.35
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD12	14	0.35
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD13	14	0.35
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD11	15	0.35
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD12	15	0.35
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD13	15	0.35
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD11	14	0.35
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD12	14	0.35
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD13	14	0.35
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD11	15	0.35
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD12	15	0.35
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD13	15	0.35
(1,2420)	1:45:A:LYS:HE2	1:56:B:PHE:HA	5	0.35
(1,2227)	1:61:B:PRO:HD3	1:61:B:PRO:HA	14	0.35
(1,2226)	1:61:A:PRO:HD3	1:61:A:PRO:HA	13	0.35
(1,2226)	1:61:A:PRO:HD3	1:61:A:PRO:HA	14	0.35
(1,2084)	1:41:B:ARG:HB3	1:42:B:GLY:H	2	0.35
(1,2083)	1:41:A:ARG:HB3	1:42:A:GLY:H	2	0.35
(1,2034)	1:26:B:VAL:HA	1:25:B:THR:HA	7	0.35
(1,2034)	1:26:B:VAL:HA	1:25:B:THR:HA	19	0.35
(1,2033)	1:26:A:VAL:HA	1:25:A:THR:HA	7	0.35
(1,2033)	1:26:A:VAL:HA	1:25:A:THR:HA	19	0.35
(1,2011)	1:95:A:LEU:HD11	1:94:A:ILE:HD11	2	0.35
(1,2011)	1:95:A:LEU:HD11	1:94:A:ILE:HD12	2	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2011)	1:95:A:LEU:HD11	1:94:A:ILE:HD13	2	0.35
(1,2011)	1:95:A:LEU:HD12	1:94:A:ILE:HD11	2	0.35
(1,2011)	1:95:A:LEU:HD12	1:94:A:ILE:HD12	2	0.35
(1,2011)	1:95:A:LEU:HD12	1:94:A:ILE:HD13	2	0.35
(1,2011)	1:95:A:LEU:HD13	1:94:A:ILE:HD11	2	0.35
(1,2011)	1:95:A:LEU:HD13	1:94:A:ILE:HD12	2	0.35
(1,2011)	1:95:A:LEU:HD13	1:94:A:ILE:HD13	2	0.35
(1,2010)	1:95:B:LEU:HD11	1:94:B:ILE:HD11	2	0.35
(1,2010)	1:95:B:LEU:HD11	1:94:B:ILE:HD12	2	0.35
(1,2010)	1:95:B:LEU:HD11	1:94:B:ILE:HD13	2	0.35
(1,2010)	1:95:B:LEU:HD12	1:94:B:ILE:HD11	2	0.35
(1,2010)	1:95:B:LEU:HD12	1:94:B:ILE:HD12	2	0.35
(1,2010)	1:95:B:LEU:HD12	1:94:B:ILE:HD13	2	0.35
(1,2010)	1:95:B:LEU:HD13	1:94:B:ILE:HD11	2	0.35
(1,2010)	1:95:B:LEU:HD13	1:94:B:ILE:HD12	2	0.35
(1,2010)	1:95:B:LEU:HD13	1:94:B:ILE:HD13	2	0.35
(1,1911)	1:94:B:ILE:HG21	1:97:B:ARG:H	4	0.35
(1,1911)	1:94:B:ILE:HG22	1:97:B:ARG:H	4	0.35
(1,1911)	1:94:B:ILE:HG23	1:97:B:ARG:H	4	0.35
(1,1911)	1:94:B:ILE:HG21	1:97:B:ARG:H	10	0.35
(1,1911)	1:94:B:ILE:HG22	1:97:B:ARG:H	10	0.35
(1,1911)	1:94:B:ILE:HG23	1:97:B:ARG:H	10	0.35
(1,1887)	1:48:B:MET:H	1:48:B:MET:HG3	11	0.35
(1,1887)	1:48:B:MET:H	1:48:B:MET:HG3	14	0.35
(1,1799)	1:84:B:PHE:HD1	1:85:A:ARG:HA	9	0.35
(1,1799)	1:84:B:PHE:HD2	1:85:A:ARG:HA	9	0.35
(1,1653)	1:69:B:TRP:HA	1:67:B:LYS:H	8	0.35
(1,1652)	1:69:A:TRP:HA	1:67:A:LYS:H	8	0.35
(1,1500)	1:65:A:ILE:HD11	1:66:A:LEU:H	10	0.35
(1,1500)	1:65:A:ILE:HD12	1:66:A:LEU:H	10	0.35
(1,1500)	1:65:A:ILE:HD13	1:66:A:LEU:H	10	0.35
(1,1499)	1:65:B:ILE:HD11	1:66:B:LEU:H	10	0.35
(1,1499)	1:65:B:ILE:HD12	1:66:B:LEU:H	10	0.35
(1,1499)	1:65:B:ILE:HD13	1:66:B:LEU:H	10	0.35
(1,1358)	1:29:B:LEU:HG	1:28:B:GLN:HE21	11	0.35
(1,1337)	1:95:A:LEU:HD11	1:94:A:ILE:H	12	0.35
(1,1337)	1:95:A:LEU:HD12	1:94:A:ILE:H	12	0.35
(1,1337)	1:95:A:LEU:HD13	1:94:A:ILE:H	12	0.35
(1,1336)	1:95:B:LEU:HD11	1:94:B:ILE:H	12	0.35
(1,1336)	1:95:B:LEU:HD12	1:94:B:ILE:H	12	0.35
(1,1336)	1:95:B:LEU:HD13	1:94:B:ILE:H	12	0.35
(1,1137)	1:77:B:ALA:HB1	1:74:B:LYS:HA	2	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1137)	1:77:B:ALA:HB2	1:74:B:LYS:HA	2	0.35
(1,1137)	1:77:B:ALA:HB3	1:74:B:LYS:HA	2	0.35
(1,1124)	1:57:B:LEU:HD21	1:46:A:LEU:HA	16	0.35
(1,1124)	1:57:B:LEU:HD22	1:46:A:LEU:HA	16	0.35
(1,1124)	1:57:B:LEU:HD23	1:46:A:LEU:HA	16	0.35
(1,1115)	1:92:B:LEU:HD21	1:82:A:ARG:H	1	0.35
(1,1115)	1:92:B:LEU:HD22	1:82:A:ARG:H	1	0.35
(1,1115)	1:92:B:LEU:HD23	1:82:A:ARG:H	1	0.35
(1,1114)	1:92:A:LEU:HD21	1:82:B:ARG:H	1	0.35
(1,1114)	1:92:A:LEU:HD22	1:82:B:ARG:H	1	0.35
(1,1114)	1:92:A:LEU:HD23	1:82:B:ARG:H	1	0.35
(1,1051)	1:70:B:GLY:H	1:69:B:TRP:HE3	2	0.35
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD11	16	0.35
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD12	16	0.35
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD13	16	0.35
(1,961)	1:86:A:LYS:HD3	1:86:A:LYS:HB3	14	0.35
(1,927)	1:80:A:VAL:HG21	1:45:A:LYS:HG3	12	0.35
(1,927)	1:80:A:VAL:HG22	1:45:A:LYS:HG3	12	0.35
(1,927)	1:80:A:VAL:HG23	1:45:A:LYS:HG3	12	0.35
(1,925)	1:82:B:ARG:HA	1:86:B:LYS:H	5	0.35
(1,924)	1:82:A:ARG:HA	1:86:A:LYS:H	5	0.35
(1,854)	1:81:A:LEU:H	1:79:A:ASN:H	14	0.35
(1,853)	1:81:B:LEU:H	1:79:B:ASN:H	4	0.35
(1,853)	1:81:B:LEU:H	1:79:B:ASN:H	14	0.35
(1,849)	1:95:A:LEU:H	1:93:A:ASN:HA	19	0.35
(1,797)	1:59:A:ILE:HB	1:60:A:PRO:HD2	4	0.35
(1,796)	1:59:B:ILE:HB	1:60:B:PRO:HD2	4	0.35
(1,783)	1:22:A:ARG:HG3	1:23:A:VAL:H	5	0.35
(1,763)	1:51:A:VAL:HG21	1:52:A:ALA:H	6	0.35
(1,763)	1:51:A:VAL:HG22	1:52:A:ALA:H	6	0.35
(1,763)	1:51:A:VAL:HG23	1:52:A:ALA:H	6	0.35
(1,763)	1:51:A:VAL:HG21	1:52:A:ALA:H	20	0.35
(1,763)	1:51:A:VAL:HG22	1:52:A:ALA:H	20	0.35
(1,763)	1:51:A:VAL:HG23	1:52:A:ALA:H	20	0.35
(1,762)	1:51:B:VAL:HG21	1:52:B:ALA:H	6	0.35
(1,762)	1:51:B:VAL:HG22	1:52:B:ALA:H	6	0.35
(1,762)	1:51:B:VAL:HG23	1:52:B:ALA:H	6	0.35
(1,762)	1:51:B:VAL:HG21	1:52:B:ALA:H	20	0.35
(1,762)	1:51:B:VAL:HG22	1:52:B:ALA:H	20	0.35
(1,762)	1:51:B:VAL:HG23	1:52:B:ALA:H	20	0.35
(1,721)	1:58:B:THR:HG21	1:59:B:ILE:HD11	3	0.35
(1,721)	1:58:B:THR:HG21	1:59:B:ILE:HD12	3	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,721)	1:58:B:THR:HG21	1:59:B:ILE:HD13	3	0.35
(1,721)	1:58:B:THR:HG22	1:59:B:ILE:HD11	3	0.35
(1,721)	1:58:B:THR:HG22	1:59:B:ILE:HD12	3	0.35
(1,721)	1:58:B:THR:HG22	1:59:B:ILE:HD13	3	0.35
(1,721)	1:58:B:THR:HG23	1:59:B:ILE:HD11	3	0.35
(1,721)	1:58:B:THR:HG23	1:59:B:ILE:HD12	3	0.35
(1,721)	1:58:B:THR:HG23	1:59:B:ILE:HD13	3	0.35
(1,720)	1:58:A:THR:HG21	1:59:A:ILE:HD11	3	0.35
(1,720)	1:58:A:THR:HG21	1:59:A:ILE:HD12	3	0.35
(1,720)	1:58:A:THR:HG21	1:59:A:ILE:HD13	3	0.35
(1,720)	1:58:A:THR:HG22	1:59:A:ILE:HD11	3	0.35
(1,720)	1:58:A:THR:HG22	1:59:A:ILE:HD12	3	0.35
(1,720)	1:58:A:THR:HG22	1:59:A:ILE:HD13	3	0.35
(1,720)	1:58:A:THR:HG23	1:59:A:ILE:HD11	3	0.35
(1,720)	1:58:A:THR:HG23	1:59:A:ILE:HD12	3	0.35
(1,720)	1:58:A:THR:HG23	1:59:A:ILE:HD13	3	0.35
(1,711)	1:66:B:LEU:H	1:64:B:GLY:H	3	0.35
(1,710)	1:66:A:LEU:H	1:64:A:GLY:H	19	0.35
(1,700)	1:67:A:LYS:H	1:67:A:LYS:HA	8	0.35
(1,699)	1:67:B:LYS:H	1:67:B:LYS:HA	8	0.35
(1,699)	1:67:B:LYS:H	1:67:B:LYS:HA	17	0.35
(1,675)	1:62:A:THR:HG21	1:26:A:VAL:HA	5	0.35
(1,675)	1:62:A:THR:HG22	1:26:A:VAL:HA	5	0.35
(1,675)	1:62:A:THR:HG23	1:26:A:VAL:HA	5	0.35
(1,674)	1:62:B:THR:HG21	1:26:B:VAL:HA	5	0.35
(1,674)	1:62:B:THR:HG22	1:26:B:VAL:HA	5	0.35
(1,674)	1:62:B:THR:HG23	1:26:B:VAL:HA	5	0.35
(1,433)	1:49:A:ALA:HB1	1:57:B:LEU:HB2	19	0.35
(1,433)	1:49:A:ALA:HB2	1:57:B:LEU:HB2	19	0.35
(1,433)	1:49:A:ALA:HB3	1:57:B:LEU:HB2	19	0.35
(1,407)	1:80:A:VAL:HG21	1:45:A:LYS:HA	18	0.35
(1,407)	1:80:A:VAL:HG22	1:45:A:LYS:HA	18	0.35
(1,407)	1:80:A:VAL:HG23	1:45:A:LYS:HA	18	0.35
(1,217)	1:65:B:ILE:HD11	1:54:B:LEU:HG	15	0.35
(1,217)	1:65:B:ILE:HD12	1:54:B:LEU:HG	15	0.35
(1,217)	1:65:B:ILE:HD13	1:54:B:LEU:HG	15	0.35
(1,165)	1:69:A:TRP:HH2	1:95:B:LEU:HG	20	0.35
(1,164)	1:69:B:TRP:HH2	1:95:A:LEU:HG	11	0.35
(1,155)	1:71:B:THR:HG21	1:42:B:GLY:HA2	13	0.35
(1,155)	1:71:B:THR:HG22	1:42:B:GLY:HA2	13	0.35
(1,155)	1:71:B:THR:HG23	1:42:B:GLY:HA2	13	0.35
(1,154)	1:71:A:THR:HG21	1:42:A:GLY:HA2	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,154)	1:71:A:THR:HG22	1:42:A:GLY:HA2	13	0.35
(1,154)	1:71:A:THR:HG23	1:42:A:GLY:HA2	13	0.35
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG21	1	0.35
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG22	1	0.35
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG23	1	0.35
(2,346)	1:90:B:ARG:H	1:90:B:ARG:HG3	6	0.34
(2,340)	1:77:A:ALA:H	1:76:A:LYS:HE2	6	0.34
(2,338)	1:63:B:ALA:HA	1:67:B:LYS:HD3	4	0.34
(2,308)	1:76:A:LYS:HB3	1:76:A:LYS:HA	5	0.34
(2,266)	1:22:B:ARG:HB2	1:22:B:ARG:HD3	16	0.34
(2,152)	1:48:A:MET:H	1:48:A:MET:HG3	8	0.34
(2,152)	1:48:A:MET:H	1:48:A:MET:HG3	15	0.34
(2,152)	1:48:A:MET:H	1:48:A:MET:HG3	19	0.34
(2,120)	1:59:B:ILE:HD11	1:60:B:PRO:HD2	7	0.34
(2,120)	1:59:B:ILE:HD12	1:60:B:PRO:HD2	7	0.34
(2,120)	1:59:B:ILE:HD13	1:60:B:PRO:HD2	7	0.34
(1,3485)	1:57:B:LEU:HD11	1:45:A:LYS:HD3	4	0.34
(1,3485)	1:57:B:LEU:HD12	1:45:A:LYS:HD3	4	0.34
(1,3485)	1:57:B:LEU:HD13	1:45:A:LYS:HD3	4	0.34
(1,3470)	1:28:B:GLN:HE21	1:25:B:THR:HA	14	0.34
(1,3454)	1:90:A:ARG:HA	1:92:A:LEU:H	9	0.34
(1,3406)	1:77:A:ALA:HB1	1:76:A:LYS:H	18	0.34
(1,3406)	1:77:A:ALA:HB2	1:76:A:LYS:H	18	0.34
(1,3406)	1:77:A:ALA:HB3	1:76:A:LYS:H	18	0.34
(1,3406)	1:77:A:ALA:HB1	1:76:A:LYS:H	20	0.34
(1,3406)	1:77:A:ALA:HB2	1:76:A:LYS:H	20	0.34
(1,3406)	1:77:A:ALA:HB3	1:76:A:LYS:H	20	0.34
(1,3385)	1:77:B:ALA:HB1	1:48:B:MET:HG2	17	0.34
(1,3385)	1:77:B:ALA:HB2	1:48:B:MET:HG2	17	0.34
(1,3385)	1:77:B:ALA:HB3	1:48:B:MET:HG2	17	0.34
(1,3384)	1:77:A:ALA:HB1	1:48:A:MET:HG2	17	0.34
(1,3384)	1:77:A:ALA:HB2	1:48:A:MET:HG2	17	0.34
(1,3384)	1:77:A:ALA:HB3	1:48:A:MET:HG2	17	0.34
(1,3374)	1:94:B:ILE:HD11	1:66:A:LEU:HA	6	0.34
(1,3374)	1:94:B:ILE:HD12	1:66:A:LEU:HA	6	0.34
(1,3374)	1:94:B:ILE:HD13	1:66:A:LEU:HA	6	0.34
(1,3342)	1:86:A:LYS:HA	1:89:A:GLY:HA2	4	0.34
(1,3340)	1:62:B:THR:HA	1:25:B:THR:HB	9	0.34
(1,3339)	1:62:A:THR:HA	1:25:A:THR:HB	3	0.34
(1,3339)	1:62:A:THR:HA	1:25:A:THR:HB	9	0.34
(1,3331)	1:26:A:VAL:HG21	1:22:A:ARG:HB2	13	0.34
(1,3331)	1:26:A:VAL:HG22	1:22:A:ARG:HB2	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3331)	1:26:A:VAL:HG23	1:22:A:ARG:HB2	13	0.34
(1,3319)	1:71:A:THR:HG21	1:44:A:LEU:HA	1	0.34
(1,3319)	1:71:A:THR:HG22	1:44:A:LEU:HA	1	0.34
(1,3319)	1:71:A:THR:HG23	1:44:A:LEU:HA	1	0.34
(1,3319)	1:71:A:THR:HG21	1:44:A:LEU:HA	10	0.34
(1,3319)	1:71:A:THR:HG22	1:44:A:LEU:HA	10	0.34
(1,3319)	1:71:A:THR:HG23	1:44:A:LEU:HA	10	0.34
(1,3318)	1:71:B:THR:HG21	1:44:B:LEU:HA	10	0.34
(1,3318)	1:71:B:THR:HG22	1:44:B:LEU:HA	10	0.34
(1,3318)	1:71:B:THR:HG23	1:44:B:LEU:HA	10	0.34
(1,3253)	1:49:B:ALA:HB1	1:53:B:PHE:H	16	0.34
(1,3253)	1:49:B:ALA:HB2	1:53:B:PHE:H	16	0.34
(1,3253)	1:49:B:ALA:HB3	1:53:B:PHE:H	16	0.34
(1,3252)	1:49:A:ALA:HB1	1:53:A:PHE:H	4	0.34
(1,3252)	1:49:A:ALA:HB2	1:53:A:PHE:H	4	0.34
(1,3252)	1:49:A:ALA:HB3	1:53:A:PHE:H	4	0.34
(1,3252)	1:49:A:ALA:HB1	1:53:A:PHE:H	16	0.34
(1,3252)	1:49:A:ALA:HB2	1:53:A:PHE:H	16	0.34
(1,3252)	1:49:A:ALA:HB3	1:53:A:PHE:H	16	0.34
(1,3249)	1:76:B:LYS:HB3	1:76:B:LYS:HA	5	0.34
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG21	14	0.34
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG22	14	0.34
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG23	14	0.34
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG21	14	0.34
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG22	14	0.34
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG23	14	0.34
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG21	14	0.34
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG22	14	0.34
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG23	14	0.34
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG21	14	0.34
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG22	14	0.34
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG23	14	0.34
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG21	14	0.34
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG22	14	0.34
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG23	14	0.34
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG21	14	0.34
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG22	14	0.34
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG23	14	0.34
(1,3146)	1:51:B:VAL:HG21	1:69:B:TRP:HZ3	4	0.34
(1,3146)	1:51:B:VAL:HG22	1:69:B:TRP:HZ3	4	0.34
(1,3146)	1:51:B:VAL:HG23	1:69:B:TRP:HZ3	4	0.34
(1,3145)	1:51:A:VAL:HG21	1:69:A:TRP:HZ3	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3145)	1:51:A:VAL:HG22	1:69:A:TRP:HZ3	4	0.34
(1,3145)	1:51:A:VAL:HG23	1:69:A:TRP:HZ3	4	0.34
(1,3001)	1:28:B:GLN:HE22	1:28:B:GLN:HG2	13	0.34
(1,3000)	1:28:A:GLN:HE22	1:28:A:GLN:HG2	13	0.34
(1,2966)	1:80:A:VAL:HG21	1:84:A:PHE:HB2	1	0.34
(1,2966)	1:80:A:VAL:HG22	1:84:A:PHE:HB2	1	0.34
(1,2966)	1:80:A:VAL:HG23	1:84:A:PHE:HB2	1	0.34
(1,2889)	1:59:A:ILE:HD11	1:60:A:PRO:HD2	7	0.34
(1,2889)	1:59:A:ILE:HD12	1:60:A:PRO:HD2	7	0.34
(1,2889)	1:59:A:ILE:HD13	1:60:A:PRO:HD2	7	0.34
(1,2881)	1:38:A:LEU:HD11	1:39:A:GLN:H	17	0.34
(1,2881)	1:38:A:LEU:HD12	1:39:A:GLN:H	17	0.34
(1,2881)	1:38:A:LEU:HD13	1:39:A:GLN:H	17	0.34
(1,2872)	1:67:A:LYS:HA	1:67:A:LYS:HD3	5	0.34
(1,2844)	1:92:A:LEU:HA	1:93:A:ASN:H	1	0.34
(1,2844)	1:92:A:LEU:HA	1:93:A:ASN:H	2	0.34
(1,2844)	1:92:A:LEU:HA	1:93:A:ASN:H	4	0.34
(1,2844)	1:92:A:LEU:HA	1:93:A:ASN:H	6	0.34
(1,2844)	1:92:A:LEU:HA	1:93:A:ASN:H	7	0.34
(1,2844)	1:92:A:LEU:HA	1:93:A:ASN:H	9	0.34
(1,2844)	1:92:A:LEU:HA	1:93:A:ASN:H	11	0.34
(1,2844)	1:92:A:LEU:HA	1:93:A:ASN:H	12	0.34
(1,2844)	1:92:A:LEU:HA	1:93:A:ASN:H	15	0.34
(1,2844)	1:92:A:LEU:HA	1:93:A:ASN:H	18	0.34
(1,2844)	1:92:A:LEU:HA	1:93:A:ASN:H	19	0.34
(1,2844)	1:92:A:LEU:HA	1:93:A:ASN:H	20	0.34
(1,2843)	1:92:B:LEU:HA	1:93:B:ASN:H	1	0.34
(1,2843)	1:92:B:LEU:HA	1:93:B:ASN:H	2	0.34
(1,2843)	1:92:B:LEU:HA	1:93:B:ASN:H	4	0.34
(1,2843)	1:92:B:LEU:HA	1:93:B:ASN:H	6	0.34
(1,2843)	1:92:B:LEU:HA	1:93:B:ASN:H	7	0.34
(1,2843)	1:92:B:LEU:HA	1:93:B:ASN:H	9	0.34
(1,2843)	1:92:B:LEU:HA	1:93:B:ASN:H	11	0.34
(1,2843)	1:92:B:LEU:HA	1:93:B:ASN:H	12	0.34
(1,2843)	1:92:B:LEU:HA	1:93:B:ASN:H	15	0.34
(1,2843)	1:92:B:LEU:HA	1:93:B:ASN:H	18	0.34
(1,2843)	1:92:B:LEU:HA	1:93:B:ASN:H	20	0.34
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD11	18	0.34
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD12	18	0.34
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD13	18	0.34
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD11	18	0.34
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD12	18	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD13	18	0.34
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD11	18	0.34
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD12	18	0.34
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD13	18	0.34
(1,2826)	1:51:A:VAL:HG21	1:55:A:ARG:HD3	7	0.34
(1,2826)	1:51:A:VAL:HG22	1:55:A:ARG:HD3	7	0.34
(1,2826)	1:51:A:VAL:HG23	1:55:A:ARG:HD3	7	0.34
(1,2825)	1:51:B:VAL:HG21	1:55:B:ARG:HD3	7	0.34
(1,2825)	1:51:B:VAL:HG22	1:55:B:ARG:HD3	7	0.34
(1,2825)	1:51:B:VAL:HG23	1:55:B:ARG:HD3	7	0.34
(1,2809)	1:23:A:VAL:HG21	1:24:A:SER:HA	11	0.34
(1,2809)	1:23:A:VAL:HG22	1:24:A:SER:HA	11	0.34
(1,2809)	1:23:A:VAL:HG23	1:24:A:SER:HA	11	0.34
(1,2807)	1:23:A:VAL:HG21	1:24:A:SER:HA	11	0.34
(1,2807)	1:23:A:VAL:HG22	1:24:A:SER:HA	11	0.34
(1,2807)	1:23:A:VAL:HG23	1:24:A:SER:HA	11	0.34
(1,2806)	1:23:B:VAL:HG21	1:24:B:SER:HA	12	0.34
(1,2806)	1:23:B:VAL:HG22	1:24:B:SER:HA	12	0.34
(1,2806)	1:23:B:VAL:HG23	1:24:B:SER:HA	12	0.34
(1,2769)	1:57:B:LEU:HD21	1:46:A:LEU:HD11	11	0.34
(1,2769)	1:57:B:LEU:HD21	1:46:A:LEU:HD12	11	0.34
(1,2769)	1:57:B:LEU:HD21	1:46:A:LEU:HD13	11	0.34
(1,2769)	1:57:B:LEU:HD22	1:46:A:LEU:HD11	11	0.34
(1,2769)	1:57:B:LEU:HD22	1:46:A:LEU:HD12	11	0.34
(1,2769)	1:57:B:LEU:HD22	1:46:A:LEU:HD13	11	0.34
(1,2769)	1:57:B:LEU:HD23	1:46:A:LEU:HD11	11	0.34
(1,2769)	1:57:B:LEU:HD23	1:46:A:LEU:HD12	11	0.34
(1,2769)	1:57:B:LEU:HD23	1:46:A:LEU:HD13	11	0.34
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB1	20	0.34
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB2	20	0.34
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB3	20	0.34
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB1	20	0.34
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB2	20	0.34
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB3	20	0.34
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB1	20	0.34
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB2	20	0.34
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB3	20	0.34
(1,2726)	1:80:A:VAL:HG21	1:45:A:LYS:HB3	20	0.34
(1,2726)	1:80:A:VAL:HG22	1:45:A:LYS:HB3	20	0.34
(1,2726)	1:80:A:VAL:HG23	1:45:A:LYS:HB3	20	0.34
(1,2718)	1:63:A:ALA:HB1	1:66:A:LEU:H	11	0.34
(1,2718)	1:63:A:ALA:HB2	1:66:A:LEU:H	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2718)	1:63:A:ALA:HB3	1:66:A:LEU:H	11	0.34
(1,2718)	1:63:A:ALA:HB1	1:66:A:LEU:H	20	0.34
(1,2718)	1:63:A:ALA:HB2	1:66:A:LEU:H	20	0.34
(1,2718)	1:63:A:ALA:HB3	1:66:A:LEU:H	20	0.34
(1,2717)	1:63:B:ALA:HB1	1:66:B:LEU:H	11	0.34
(1,2717)	1:63:B:ALA:HB2	1:66:B:LEU:H	11	0.34
(1,2717)	1:63:B:ALA:HB3	1:66:B:LEU:H	11	0.34
(1,2717)	1:63:B:ALA:HB1	1:66:B:LEU:H	20	0.34
(1,2717)	1:63:B:ALA:HB2	1:66:B:LEU:H	20	0.34
(1,2717)	1:63:B:ALA:HB3	1:66:B:LEU:H	20	0.34
(1,2688)	1:77:B:ALA:H	1:76:B:LYS:HE2	6	0.34
(1,2619)	1:87:B:GLU:H	1:90:B:ARG:HD2	18	0.34
(1,2618)	1:87:A:GLU:H	1:90:A:ARG:HD2	18	0.34
(1,2617)	1:96:B:ASN:H	1:98:B:ARG:HD3	8	0.34
(1,2604)	1:82:A:ARG:HA	1:85:A:ARG:HD3	2	0.34
(1,2603)	1:82:B:ARG:HA	1:85:B:ARG:HD3	2	0.34
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG21	10	0.34
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG22	10	0.34
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG23	10	0.34
(1,2532)	1:74:A:LYS:HA	1:95:B:LEU:HG	19	0.34
(1,2531)	1:74:B:LYS:HA	1:95:A:LEU:HG	19	0.34
(1,2517)	1:80:A:VAL:HG21	1:84:A:PHE:H	6	0.34
(1,2517)	1:80:A:VAL:HG22	1:84:A:PHE:H	6	0.34
(1,2517)	1:80:A:VAL:HG23	1:84:A:PHE:H	6	0.34
(1,2517)	1:80:A:VAL:HG21	1:84:A:PHE:H	16	0.34
(1,2517)	1:80:A:VAL:HG22	1:84:A:PHE:H	16	0.34
(1,2517)	1:80:A:VAL:HG23	1:84:A:PHE:H	16	0.34
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD11	20	0.34
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD12	20	0.34
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD13	20	0.34
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD11	20	0.34
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD12	20	0.34
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD13	20	0.34
(1,2227)	1:61:B:PRO:HD3	1:61:B:PRO:HA	13	0.34
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE1	1	0.34
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE2	1	0.34
(1,1912)	1:94:A:ILE:HG21	1:97:A:ARG:H	11	0.34
(1,1912)	1:94:A:ILE:HG22	1:97:A:ARG:H	11	0.34
(1,1912)	1:94:A:ILE:HG23	1:97:A:ARG:H	11	0.34
(1,1912)	1:94:A:ILE:HG21	1:97:A:ARG:H	20	0.34
(1,1912)	1:94:A:ILE:HG22	1:97:A:ARG:H	20	0.34
(1,1912)	1:94:A:ILE:HG23	1:97:A:ARG:H	20	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1887)	1:48:B:MET:H	1:48:B:MET:HG3	8	0.34
(1,1887)	1:48:B:MET:H	1:48:B:MET:HG3	15	0.34
(1,1887)	1:48:B:MET:H	1:48:B:MET:HG3	19	0.34
(1,1836)	1:65:B:ILE:HG21	1:51:B:VAL:HA	19	0.34
(1,1836)	1:65:B:ILE:HG22	1:51:B:VAL:HA	19	0.34
(1,1836)	1:65:B:ILE:HG23	1:51:B:VAL:HA	19	0.34
(1,1835)	1:65:A:ILE:HG21	1:51:A:VAL:HA	19	0.34
(1,1835)	1:65:A:ILE:HG22	1:51:A:VAL:HA	19	0.34
(1,1835)	1:65:A:ILE:HG23	1:51:A:VAL:HA	19	0.34
(1,1799)	1:84:B:PHE:HD1	1:85:A:ARG:HA	3	0.34
(1,1799)	1:84:B:PHE:HD2	1:85:A:ARG:HA	3	0.34
(1,1798)	1:84:A:PHE:HD1	1:85:B:ARG:HA	6	0.34
(1,1798)	1:84:A:PHE:HD2	1:85:B:ARG:HA	6	0.34
(1,1762)	1:86:B:LYS:HA	1:86:B:LYS:HG2	3	0.34
(1,1762)	1:86:B:LYS:HA	1:86:B:LYS:HG2	15	0.34
(1,1762)	1:86:B:LYS:HA	1:86:B:LYS:HG2	16	0.34
(1,1761)	1:86:A:LYS:HA	1:86:A:LYS:HG2	3	0.34
(1,1761)	1:86:A:LYS:HA	1:86:A:LYS:HG2	15	0.34
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD11	11	0.34
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD12	11	0.34
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD13	11	0.34
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD11	11	0.34
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD12	11	0.34
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD13	11	0.34
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD11	11	0.34
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD12	11	0.34
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD13	11	0.34
(1,1631)	1:52:B:ALA:H	1:48:B:MET:HA	5	0.34
(1,1374)	1:80:A:VAL:HG21	1:48:A:MET:H	9	0.34
(1,1374)	1:80:A:VAL:HG22	1:48:A:MET:H	9	0.34
(1,1374)	1:80:A:VAL:HG23	1:48:A:MET:H	9	0.34
(1,1374)	1:80:A:VAL:HG21	1:48:A:MET:H	18	0.34
(1,1374)	1:80:A:VAL:HG22	1:48:A:MET:H	18	0.34
(1,1374)	1:80:A:VAL:HG23	1:48:A:MET:H	18	0.34
(1,1350)	1:28:A:GLN:HA	1:31:A:LYS:H	3	0.34
(1,1349)	1:28:B:GLN:HA	1:31:B:LYS:H	3	0.34
(1,1195)	1:42:A:GLY:HA2	1:43:A:PRO:HG3	13	0.34
(1,1194)	1:42:B:GLY:HA2	1:43:B:PRO:HG3	13	0.34
(1,1115)	1:92:B:LEU:HD21	1:82:A:ARG:H	11	0.34
(1,1115)	1:92:B:LEU:HD22	1:82:A:ARG:H	11	0.34
(1,1115)	1:92:B:LEU:HD23	1:82:A:ARG:H	11	0.34
(1,1114)	1:92:A:LEU:HD21	1:82:B:ARG:H	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1114)	1:92:A:LEU:HD22	1:82:B:ARG:H	11	0.34
(1,1114)	1:92:A:LEU:HD23	1:82:B:ARG:H	11	0.34
(1,1062)	1:27:B:GLN:H	1:29:B:LEU:H	3	0.34
(1,1050)	1:70:A:GLY:H	1:69:A:TRP:HE3	2	0.34
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG21	9	0.34
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG22	9	0.34
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG23	9	0.34
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG21	9	0.34
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG22	9	0.34
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG23	9	0.34
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD11	9	0.34
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD12	9	0.34
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD13	9	0.34
(1,974)	1:53:B:PHE:HD1	1:54:B:LEU:HA	7	0.34
(1,974)	1:53:B:PHE:HD2	1:54:B:LEU:HA	7	0.34
(1,973)	1:53:A:PHE:HD1	1:54:A:LEU:HA	7	0.34
(1,973)	1:53:A:PHE:HD2	1:54:A:LEU:HA	7	0.34
(1,961)	1:86:A:LYS:HD3	1:86:A:LYS:HB3	3	0.34
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD21	18	0.34
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD22	18	0.34
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD23	18	0.34
(1,854)	1:81:A:LEU:H	1:79:A:ASN:H	3	0.34
(1,854)	1:81:A:LEU:H	1:79:A:ASN:H	8	0.34
(1,853)	1:81:B:LEU:H	1:79:B:ASN:H	3	0.34
(1,853)	1:81:B:LEU:H	1:79:B:ASN:H	8	0.34
(1,787)	1:57:A:LEU:HD21	1:49:B:ALA:H	8	0.34
(1,787)	1:57:A:LEU:HD22	1:49:B:ALA:H	8	0.34
(1,787)	1:57:A:LEU:HD23	1:49:B:ALA:H	8	0.34
(1,719)	1:44:A:LEU:HD11	1:73:A:LYS:H	9	0.34
(1,719)	1:44:A:LEU:HD12	1:73:A:LYS:H	9	0.34
(1,719)	1:44:A:LEU:HD13	1:73:A:LYS:H	9	0.34
(1,711)	1:66:B:LEU:H	1:64:B:GLY:H	17	0.34
(1,711)	1:66:B:LEU:H	1:64:B:GLY:H	19	0.34
(1,710)	1:66:A:LEU:H	1:64:A:GLY:H	3	0.34
(1,710)	1:66:A:LEU:H	1:64:A:GLY:H	20	0.34
(1,700)	1:67:A:LYS:H	1:67:A:LYS:HA	1	0.34
(1,700)	1:67:A:LYS:H	1:67:A:LYS:HA	3	0.34
(1,700)	1:67:A:LYS:H	1:67:A:LYS:HA	6	0.34
(1,700)	1:67:A:LYS:H	1:67:A:LYS:HA	7	0.34
(1,700)	1:67:A:LYS:H	1:67:A:LYS:HA	9	0.34
(1,700)	1:67:A:LYS:H	1:67:A:LYS:HA	15	0.34
(1,700)	1:67:A:LYS:H	1:67:A:LYS:HA	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:67:B:LYS:H	1:67:B:LYS:HA	1	0.34
(1,699)	1:67:B:LYS:H	1:67:B:LYS:HA	2	0.34
(1,699)	1:67:B:LYS:H	1:67:B:LYS:HA	3	0.34
(1,699)	1:67:B:LYS:H	1:67:B:LYS:HA	6	0.34
(1,699)	1:67:B:LYS:H	1:67:B:LYS:HA	7	0.34
(1,699)	1:67:B:LYS:H	1:67:B:LYS:HA	9	0.34
(1,699)	1:67:B:LYS:H	1:67:B:LYS:HA	16	0.34
(1,681)	1:38:B:LEU:HA	1:38:B:LEU:HG	1	0.34
(1,680)	1:38:A:LEU:HA	1:38:A:LEU:HG	1	0.34
(1,550)	1:25:B:THR:H	1:29:B:LEU:H	18	0.34
(1,516)	1:79:A:ASN:H	1:77:A:ALA:H	12	0.34
(1,515)	1:79:B:ASN:H	1:77:B:ALA:H	12	0.34
(1,442)	1:74:B:LYS:HB2	1:75:B:SER:HB3	3	0.34
(1,434)	1:49:B:ALA:HB1	1:57:A:LEU:HB2	5	0.34
(1,434)	1:49:B:ALA:HB2	1:57:A:LEU:HB2	5	0.34
(1,434)	1:49:B:ALA:HB3	1:57:A:LEU:HB2	5	0.34
(1,434)	1:49:B:ALA:HB1	1:57:A:LEU:HB2	19	0.34
(1,434)	1:49:B:ALA:HB2	1:57:A:LEU:HB2	19	0.34
(1,434)	1:49:B:ALA:HB3	1:57:A:LEU:HB2	19	0.34
(1,347)	1:90:A:ARG:H	1:90:A:ARG:HG3	6	0.34
(1,315)	1:44:B:LEU:HD21	1:47:B:PHE:HD1	13	0.34
(1,315)	1:44:B:LEU:HD21	1:47:B:PHE:HD2	13	0.34
(1,315)	1:44:B:LEU:HD22	1:47:B:PHE:HD1	13	0.34
(1,315)	1:44:B:LEU:HD22	1:47:B:PHE:HD2	13	0.34
(1,315)	1:44:B:LEU:HD23	1:47:B:PHE:HD1	13	0.34
(1,315)	1:44:B:LEU:HD23	1:47:B:PHE:HD2	13	0.34
(1,314)	1:44:A:LEU:HD21	1:47:A:PHE:HD1	13	0.34
(1,314)	1:44:A:LEU:HD21	1:47:A:PHE:HD2	13	0.34
(1,314)	1:44:A:LEU:HD22	1:47:A:PHE:HD1	13	0.34
(1,314)	1:44:A:LEU:HD22	1:47:A:PHE:HD2	13	0.34
(1,314)	1:44:A:LEU:HD23	1:47:A:PHE:HD1	13	0.34
(1,314)	1:44:A:LEU:HD23	1:47:A:PHE:HD2	13	0.34
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG3	3	0.34
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG3	3	0.34
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG3	3	0.34
(1,145)	1:69:B:TRP:HH2	1:95:A:LEU:H	14	0.34
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD1	17	0.34
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD2	17	0.34
(1,94)	1:57:B:LEU:HD21	1:49:A:ALA:HA	1	0.34
(1,94)	1:57:B:LEU:HD22	1:49:A:ALA:HA	1	0.34
(1,94)	1:57:B:LEU:HD23	1:49:A:ALA:HA	1	0.34
(1,40)	1:69:B:TRP:HZ2	1:94:A:ILE:HD11	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,40)	1:69:B:TRP:HZ2	1:94:A:ILE:HD12	11	0.34
(1,40)	1:69:B:TRP:HZ2	1:94:A:ILE:HD13	11	0.34
(2,340)	1:77:A:ALA:H	1:76:A:LYS:HE3	9	0.33
(2,340)	1:77:A:ALA:H	1:76:A:LYS:HE2	15	0.33
(2,300)	1:27:A:GLN:HB2	1:25:A:THR:H	20	0.33
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG3	11	0.33
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG3	11	0.33
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG3	11	0.33
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG3	16	0.33
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG3	16	0.33
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG3	16	0.33
(2,177)	1:69:B:TRP:H	1:68:B:ARG:HB2	12	0.33
(2,177)	1:69:B:TRP:H	1:68:B:ARG:HB2	19	0.33
(2,158)	1:95:B:LEU:HD21	1:72:A:ILE:HG12	7	0.33
(2,158)	1:95:B:LEU:HD22	1:72:A:ILE:HG12	7	0.33
(2,158)	1:95:B:LEU:HD23	1:72:A:ILE:HG12	7	0.33
(2,152)	1:48:A:MET:H	1:48:A:MET:HG3	12	0.33
(2,135)	1:67:B:LYS:HA	1:67:B:LYS:HD3	11	0.33
(2,26)	1:47:A:PHE:HD1	1:48:A:MET:HG2	3	0.33
(2,26)	1:47:A:PHE:HD2	1:48:A:MET:HG2	3	0.33
(2,25)	1:47:B:PHE:HD1	1:48:B:MET:HG2	3	0.33
(2,25)	1:47:B:PHE:HD2	1:48:B:MET:HG2	3	0.33
(2,9)	1:24:B:SER:HB3	1:25:B:THR:H	12	0.33
(1,3471)	1:28:A:GLN:HE21	1:25:A:THR:HA	14	0.33
(1,3455)	1:90:B:ARG:HA	1:92:B:LEU:H	15	0.33
(1,3454)	1:90:A:ARG:HA	1:92:A:LEU:H	15	0.33
(1,3405)	1:77:B:ALA:HB1	1:76:B:LYS:H	18	0.33
(1,3405)	1:77:B:ALA:HB2	1:76:B:LYS:H	18	0.33
(1,3405)	1:77:B:ALA:HB3	1:76:B:LYS:H	18	0.33
(1,3386)	1:77:A:ALA:HB1	1:95:B:LEU:HB2	16	0.33
(1,3386)	1:77:A:ALA:HB2	1:95:B:LEU:HB2	16	0.33
(1,3386)	1:77:A:ALA:HB3	1:95:B:LEU:HB2	16	0.33
(1,3340)	1:62:B:THR:HA	1:25:B:THR:HB	3	0.33
(1,3333)	1:97:B:ARG:HA	1:94:B:ILE:HA	3	0.33
(1,3318)	1:71:B:THR:HG21	1:44:B:LEU:HA	1	0.33
(1,3318)	1:71:B:THR:HG22	1:44:B:LEU:HA	1	0.33
(1,3318)	1:71:B:THR:HG23	1:44:B:LEU:HA	1	0.33
(1,3270)	1:44:A:LEU:H	1:47:A:PHE:HB2	3	0.33
(1,3269)	1:44:B:LEU:H	1:47:B:PHE:HB2	3	0.33
(1,3253)	1:49:B:ALA:HB1	1:53:B:PHE:H	4	0.33
(1,3253)	1:49:B:ALA:HB2	1:53:B:PHE:H	4	0.33
(1,3253)	1:49:B:ALA:HB3	1:53:B:PHE:H	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3253)	1:49:B:ALA:HB1	1:53:B:PHE:H	17	0.33
(1,3253)	1:49:B:ALA:HB2	1:53:B:PHE:H	17	0.33
(1,3253)	1:49:B:ALA:HB3	1:53:B:PHE:H	17	0.33
(1,3252)	1:49:A:ALA:HB1	1:53:A:PHE:H	17	0.33
(1,3252)	1:49:A:ALA:HB2	1:53:A:PHE:H	17	0.33
(1,3252)	1:49:A:ALA:HB3	1:53:A:PHE:H	17	0.33
(1,3152)	1:81:A:LEU:HD11	1:69:A:TRP:HZ3	16	0.33
(1,3152)	1:81:A:LEU:HD12	1:69:A:TRP:HZ3	16	0.33
(1,3152)	1:81:A:LEU:HD13	1:69:A:TRP:HZ3	16	0.33
(1,2995)	1:44:A:LEU:HD11	1:71:A:THR:HA	2	0.33
(1,2995)	1:44:A:LEU:HD12	1:71:A:THR:HA	2	0.33
(1,2995)	1:44:A:LEU:HD13	1:71:A:THR:HA	2	0.33
(1,2994)	1:44:B:LEU:HD11	1:71:B:THR:HA	2	0.33
(1,2994)	1:44:B:LEU:HD12	1:71:B:THR:HA	2	0.33
(1,2994)	1:44:B:LEU:HD13	1:71:B:THR:HA	2	0.33
(1,2966)	1:80:A:VAL:HG21	1:84:A:PHE:HB2	2	0.33
(1,2966)	1:80:A:VAL:HG22	1:84:A:PHE:HB2	2	0.33
(1,2966)	1:80:A:VAL:HG23	1:84:A:PHE:HB2	2	0.33
(1,2882)	1:38:B:LEU:HD11	1:39:B:GLN:H	17	0.33
(1,2882)	1:38:B:LEU:HD12	1:39:B:GLN:H	17	0.33
(1,2882)	1:38:B:LEU:HD13	1:39:B:GLN:H	17	0.33
(1,2872)	1:67:A:LYS:HA	1:67:A:LYS:HD3	11	0.33
(1,2844)	1:92:A:LEU:HA	1:93:A:ASN:H	5	0.33
(1,2844)	1:92:A:LEU:HA	1:93:A:ASN:H	10	0.33
(1,2844)	1:92:A:LEU:HA	1:93:A:ASN:H	14	0.33
(1,2843)	1:92:B:LEU:HA	1:93:B:ASN:H	5	0.33
(1,2843)	1:92:B:LEU:HA	1:93:B:ASN:H	8	0.33
(1,2843)	1:92:B:LEU:HA	1:93:B:ASN:H	10	0.33
(1,2843)	1:92:B:LEU:HA	1:93:B:ASN:H	14	0.33
(1,2843)	1:92:B:LEU:HA	1:93:B:ASN:H	19	0.33
(1,2806)	1:23:B:VAL:HG21	1:24:B:SER:HA	11	0.33
(1,2806)	1:23:B:VAL:HG22	1:24:B:SER:HA	11	0.33
(1,2806)	1:23:B:VAL:HG23	1:24:B:SER:HA	11	0.33
(1,2792)	1:42:B:GLY:HA2	1:41:B:ARG:HB3	3	0.33
(1,2769)	1:57:B:LEU:HD21	1:46:A:LEU:HD11	10	0.33
(1,2769)	1:57:B:LEU:HD21	1:46:A:LEU:HD12	10	0.33
(1,2769)	1:57:B:LEU:HD21	1:46:A:LEU:HD13	10	0.33
(1,2769)	1:57:B:LEU:HD22	1:46:A:LEU:HD11	10	0.33
(1,2769)	1:57:B:LEU:HD22	1:46:A:LEU:HD12	10	0.33
(1,2769)	1:57:B:LEU:HD22	1:46:A:LEU:HD13	10	0.33
(1,2769)	1:57:B:LEU:HD23	1:46:A:LEU:HD11	10	0.33
(1,2769)	1:57:B:LEU:HD23	1:46:A:LEU:HD12	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2769)	1:57:B:LEU:HD23	1:46:A:LEU:HD13	10	0.33
(1,2758)	1:88:B:ILE:HD11	1:85:A:ARG:HA	16	0.33
(1,2758)	1:88:B:ILE:HD12	1:85:A:ARG:HA	16	0.33
(1,2758)	1:88:B:ILE:HD13	1:85:A:ARG:HA	16	0.33
(1,2724)	1:47:B:PHE:HD1	1:65:B:ILE:HG13	15	0.33
(1,2724)	1:47:B:PHE:HD2	1:65:B:ILE:HG13	15	0.33
(1,2723)	1:47:A:PHE:HD1	1:65:A:ILE:HG13	15	0.33
(1,2723)	1:47:A:PHE:HD2	1:65:A:ILE:HG13	15	0.33
(1,2718)	1:63:A:ALA:HB1	1:66:A:LEU:H	1	0.33
(1,2718)	1:63:A:ALA:HB2	1:66:A:LEU:H	1	0.33
(1,2718)	1:63:A:ALA:HB3	1:66:A:LEU:H	1	0.33
(1,2718)	1:63:A:ALA:HB1	1:66:A:LEU:H	12	0.33
(1,2718)	1:63:A:ALA:HB2	1:66:A:LEU:H	12	0.33
(1,2718)	1:63:A:ALA:HB3	1:66:A:LEU:H	12	0.33
(1,2718)	1:63:A:ALA:HB1	1:66:A:LEU:H	16	0.33
(1,2718)	1:63:A:ALA:HB2	1:66:A:LEU:H	16	0.33
(1,2718)	1:63:A:ALA:HB3	1:66:A:LEU:H	16	0.33
(1,2717)	1:63:B:ALA:HB1	1:66:B:LEU:H	12	0.33
(1,2717)	1:63:B:ALA:HB2	1:66:B:LEU:H	12	0.33
(1,2717)	1:63:B:ALA:HB3	1:66:B:LEU:H	12	0.33
(1,2717)	1:63:B:ALA:HB1	1:66:B:LEU:H	16	0.33
(1,2717)	1:63:B:ALA:HB2	1:66:B:LEU:H	16	0.33
(1,2717)	1:63:B:ALA:HB3	1:66:B:LEU:H	16	0.33
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD1	9	0.33
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD2	9	0.33
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD1	9	0.33
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD2	9	0.33
(1,2688)	1:77:B:ALA:H	1:76:B:LYS:HE3	9	0.33
(1,2688)	1:77:B:ALA:H	1:76:B:LYS:HE2	15	0.33
(1,2669)	1:88:B:ILE:HA	1:52:A:ALA:HA	12	0.33
(1,2635)	1:27:B:GLN:HA	1:24:B:SER:H	1	0.33
(1,2629)	1:87:A:GLU:HG3	1:86:A:LYS:HB2	1	0.33
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG21	10	0.33
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG22	10	0.33
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG23	10	0.33
(1,2554)	1:94:A:ILE:HG13	1:93:A:ASN:HB3	15	0.33
(1,2552)	1:58:B:THR:HA	1:59:B:ILE:HA	17	0.33
(1,2532)	1:74:A:LYS:HA	1:95:B:LEU:HG	15	0.33
(1,2517)	1:80:A:VAL:HG21	1:84:A:PHE:H	13	0.33
(1,2517)	1:80:A:VAL:HG22	1:84:A:PHE:H	13	0.33
(1,2517)	1:80:A:VAL:HG23	1:84:A:PHE:H	13	0.33
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG11	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG12	9	0.33
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG13	9	0.33
(1,2227)	1:61:B:PRO:HD3	1:61:B:PRO:HA	20	0.33
(1,2226)	1:61:A:PRO:HD3	1:61:A:PRO:HA	20	0.33
(1,2058)	1:49:B:ALA:H	1:52:B:ALA:H	7	0.33
(1,2057)	1:49:A:ALA:H	1:52:A:ALA:H	7	0.33
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE1	1	0.33
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE2	1	0.33
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE1	20	0.33
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE2	20	0.33
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE1	20	0.33
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE2	20	0.33
(1,1999)	1:72:A:ILE:HD11	1:73:A:LYS:H	16	0.33
(1,1999)	1:72:A:ILE:HD12	1:73:A:LYS:H	16	0.33
(1,1999)	1:72:A:ILE:HD13	1:73:A:LYS:H	16	0.33
(1,1998)	1:72:B:ILE:HD11	1:73:B:LYS:H	16	0.33
(1,1998)	1:72:B:ILE:HD12	1:73:B:LYS:H	16	0.33
(1,1998)	1:72:B:ILE:HD13	1:73:B:LYS:H	16	0.33
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD21	1	0.33
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD22	1	0.33
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD23	1	0.33
(1,1911)	1:94:B:ILE:HG21	1:97:B:ARG:H	11	0.33
(1,1911)	1:94:B:ILE:HG22	1:97:B:ARG:H	11	0.33
(1,1911)	1:94:B:ILE:HG23	1:97:B:ARG:H	11	0.33
(1,1911)	1:94:B:ILE:HG21	1:97:B:ARG:H	20	0.33
(1,1911)	1:94:B:ILE:HG22	1:97:B:ARG:H	20	0.33
(1,1911)	1:94:B:ILE:HG23	1:97:B:ARG:H	20	0.33
(1,1887)	1:48:B:MET:H	1:48:B:MET:HG3	12	0.33
(1,1876)	1:93:A:ASN:HA	1:98:A:ARG:H	6	0.33
(1,1875)	1:93:B:ASN:HA	1:98:B:ARG:H	6	0.33
(1,1762)	1:86:B:LYS:HA	1:86:B:LYS:HG2	4	0.33
(1,1762)	1:86:B:LYS:HA	1:86:B:LYS:HG2	5	0.33
(1,1761)	1:86:A:LYS:HA	1:86:A:LYS:HG2	4	0.33
(1,1761)	1:86:A:LYS:HA	1:86:A:LYS:HG2	5	0.33
(1,1761)	1:86:A:LYS:HA	1:86:A:LYS:HG2	16	0.33
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD11	11	0.33
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD12	11	0.33
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD13	11	0.33
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD11	11	0.33
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD12	11	0.33
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD13	11	0.33
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD11	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD12	11	0.33
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD13	11	0.33
(1,1702)	1:84:A:PHE:HA	1:87:A:GLU:H	6	0.33
(1,1701)	1:84:B:PHE:HA	1:87:B:GLU:H	6	0.33
(1,1653)	1:69:B:TRP:HA	1:67:B:LYS:H	10	0.33
(1,1652)	1:69:A:TRP:HA	1:67:A:LYS:H	10	0.33
(1,1632)	1:52:A:ALA:H	1:48:A:MET:HA	5	0.33
(1,1592)	1:41:A:ARG:HD3	1:41:A:ARG:HA	15	0.33
(1,1506)	1:57:B:LEU:H	1:54:B:LEU:HB3	19	0.33
(1,1500)	1:65:A:ILE:HD11	1:66:A:LEU:H	15	0.33
(1,1500)	1:65:A:ILE:HD12	1:66:A:LEU:H	15	0.33
(1,1500)	1:65:A:ILE:HD13	1:66:A:LEU:H	15	0.33
(1,1484)	1:69:A:TRP:HD1	1:68:A:ARG:HA	11	0.33
(1,1483)	1:69:B:TRP:HD1	1:68:B:ARG:HA	11	0.33
(1,1380)	1:62:B:THR:HB	1:63:B:ALA:HB1	17	0.33
(1,1380)	1:62:B:THR:HB	1:63:B:ALA:HB2	17	0.33
(1,1380)	1:62:B:THR:HB	1:63:B:ALA:HB3	17	0.33
(1,1379)	1:62:A:THR:HB	1:63:A:ALA:HB1	17	0.33
(1,1379)	1:62:A:THR:HB	1:63:A:ALA:HB2	17	0.33
(1,1379)	1:62:A:THR:HB	1:63:A:ALA:HB3	17	0.33
(1,1312)	1:95:B:LEU:HD11	1:69:A:TRP:HH2	13	0.33
(1,1312)	1:95:B:LEU:HD12	1:69:A:TRP:HH2	13	0.33
(1,1312)	1:95:B:LEU:HD13	1:69:A:TRP:HH2	13	0.33
(1,1063)	1:27:A:GLN:H	1:29:A:LEU:H	3	0.33
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG21	7	0.33
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG22	7	0.33
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG23	7	0.33
(1,1001)	1:27:B:GLN:HB2	1:25:B:THR:H	20	0.33
(1,961)	1:86:A:LYS:HD3	1:86:A:LYS:HB3	4	0.33
(1,961)	1:86:A:LYS:HD3	1:86:A:LYS:HB3	7	0.33
(1,927)	1:80:A:VAL:HG21	1:45:A:LYS:HG3	3	0.33
(1,927)	1:80:A:VAL:HG22	1:45:A:LYS:HG3	3	0.33
(1,927)	1:80:A:VAL:HG23	1:45:A:LYS:HG3	3	0.33
(1,917)	1:69:A:TRP:HZ2	1:95:B:LEU:HG	5	0.33
(1,854)	1:81:A:LEU:H	1:79:A:ASN:H	6	0.33
(1,854)	1:81:A:LEU:H	1:79:A:ASN:H	16	0.33
(1,853)	1:81:B:LEU:H	1:79:B:ASN:H	11	0.33
(1,853)	1:81:B:LEU:H	1:79:B:ASN:H	16	0.33
(1,850)	1:95:B:LEU:H	1:93:B:ASN:HA	1	0.33
(1,849)	1:95:A:LEU:H	1:93:A:ASN:HA	1	0.33
(1,823)	1:63:A:ALA:HA	1:67:A:LYS:HD3	4	0.33
(1,805)	1:65:A:ILE:HG21	1:51:A:VAL:H	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:65:A:ILE:HG22	1:51:A:VAL:H	1	0.33
(1,805)	1:65:A:ILE:HG23	1:51:A:VAL:H	1	0.33
(1,804)	1:65:B:ILE:HG21	1:51:B:VAL:H	1	0.33
(1,804)	1:65:B:ILE:HG22	1:51:B:VAL:H	1	0.33
(1,804)	1:65:B:ILE:HG23	1:51:B:VAL:H	1	0.33
(1,788)	1:57:B:LEU:HD21	1:49:A:ALA:H	16	0.33
(1,788)	1:57:B:LEU:HD22	1:49:A:ALA:H	16	0.33
(1,788)	1:57:B:LEU:HD23	1:49:A:ALA:H	16	0.33
(1,763)	1:51:A:VAL:HG21	1:52:A:ALA:H	1	0.33
(1,763)	1:51:A:VAL:HG22	1:52:A:ALA:H	1	0.33
(1,763)	1:51:A:VAL:HG23	1:52:A:ALA:H	1	0.33
(1,763)	1:51:A:VAL:HG21	1:52:A:ALA:H	13	0.33
(1,763)	1:51:A:VAL:HG22	1:52:A:ALA:H	13	0.33
(1,763)	1:51:A:VAL:HG23	1:52:A:ALA:H	13	0.33
(1,763)	1:51:A:VAL:HG21	1:52:A:ALA:H	15	0.33
(1,763)	1:51:A:VAL:HG22	1:52:A:ALA:H	15	0.33
(1,763)	1:51:A:VAL:HG23	1:52:A:ALA:H	15	0.33
(1,762)	1:51:B:VAL:HG21	1:52:B:ALA:H	1	0.33
(1,762)	1:51:B:VAL:HG22	1:52:B:ALA:H	1	0.33
(1,762)	1:51:B:VAL:HG23	1:52:B:ALA:H	1	0.33
(1,762)	1:51:B:VAL:HG21	1:52:B:ALA:H	13	0.33
(1,762)	1:51:B:VAL:HG22	1:52:B:ALA:H	13	0.33
(1,762)	1:51:B:VAL:HG23	1:52:B:ALA:H	13	0.33
(1,762)	1:51:B:VAL:HG21	1:52:B:ALA:H	15	0.33
(1,762)	1:51:B:VAL:HG22	1:52:B:ALA:H	15	0.33
(1,762)	1:51:B:VAL:HG23	1:52:B:ALA:H	15	0.33
(1,718)	1:44:B:LEU:HD11	1:73:B:LYS:H	9	0.33
(1,718)	1:44:B:LEU:HD12	1:73:B:LYS:H	9	0.33
(1,718)	1:44:B:LEU:HD13	1:73:B:LYS:H	9	0.33
(1,700)	1:67:A:LYS:H	1:67:A:LYS:HA	2	0.33
(1,700)	1:67:A:LYS:H	1:67:A:LYS:HA	5	0.33
(1,700)	1:67:A:LYS:H	1:67:A:LYS:HA	12	0.33
(1,700)	1:67:A:LYS:H	1:67:A:LYS:HA	14	0.33
(1,700)	1:67:A:LYS:H	1:67:A:LYS:HA	16	0.33
(1,700)	1:67:A:LYS:H	1:67:A:LYS:HA	19	0.33
(1,699)	1:67:B:LYS:H	1:67:B:LYS:HA	5	0.33
(1,699)	1:67:B:LYS:H	1:67:B:LYS:HA	12	0.33
(1,699)	1:67:B:LYS:H	1:67:B:LYS:HA	14	0.33
(1,699)	1:67:B:LYS:H	1:67:B:LYS:HA	15	0.33
(1,699)	1:67:B:LYS:H	1:67:B:LYS:HA	19	0.33
(1,629)	1:31:B:LYS:H	1:30:B:THR:HB	10	0.33
(1,559)	1:65:A:ILE:HD11	1:51:A:VAL:HA	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:65:A:ILE:HD12	1:51:A:VAL:HA	13	0.33
(1,559)	1:65:A:ILE:HD13	1:51:A:VAL:HA	13	0.33
(1,558)	1:65:B:ILE:HD11	1:51:B:VAL:HA	13	0.33
(1,558)	1:65:B:ILE:HD12	1:51:B:VAL:HA	13	0.33
(1,558)	1:65:B:ILE:HD13	1:51:B:VAL:HA	13	0.33
(1,551)	1:25:A:THR:H	1:29:A:LEU:H	18	0.33
(1,441)	1:74:A:LYS:HB2	1:75:A:SER:HB3	3	0.33
(1,417)	1:57:B:LEU:HD21	1:59:B:ILE:H	19	0.33
(1,417)	1:57:B:LEU:HD22	1:59:B:ILE:H	19	0.33
(1,417)	1:57:B:LEU:HD23	1:59:B:ILE:H	19	0.33
(1,178)	1:57:B:LEU:HD21	1:46:A:LEU:H	8	0.33
(1,178)	1:57:B:LEU:HD22	1:46:A:LEU:H	8	0.33
(1,178)	1:57:B:LEU:HD23	1:46:A:LEU:H	8	0.33
(1,164)	1:69:B:TRP:HH2	1:95:A:LEU:HG	20	0.33
(1,146)	1:69:A:TRP:HH2	1:95:B:LEU:H	3	0.33
(1,98)	1:57:B:LEU:HD11	1:49:A:ALA:HA	19	0.33
(1,98)	1:57:B:LEU:HD12	1:49:A:ALA:HA	19	0.33
(1,98)	1:57:B:LEU:HD13	1:49:A:ALA:HA	19	0.33
(1,56)	1:49:A:ALA:HB1	1:56:B:PHE:HE1	4	0.33
(1,56)	1:49:A:ALA:HB1	1:56:B:PHE:HE2	4	0.33
(1,56)	1:49:A:ALA:HB2	1:56:B:PHE:HE1	4	0.33
(1,56)	1:49:A:ALA:HB2	1:56:B:PHE:HE2	4	0.33
(1,56)	1:49:A:ALA:HB3	1:56:B:PHE:HE1	4	0.33
(1,56)	1:49:A:ALA:HB3	1:56:B:PHE:HE2	4	0.33
(2,353)	1:24:A:SER:HB3	1:25:A:THR:H	12	0.32
(2,322)	1:67:B:LYS:HA	1:67:B:LYS:HD3	3	0.32
(2,99)	1:41:B:ARG:HD3	1:41:B:ARG:HA	15	0.32
(1,3455)	1:90:B:ARG:HA	1:92:B:LEU:H	14	0.32
(1,3454)	1:90:A:ARG:HA	1:92:A:LEU:H	14	0.32
(1,3406)	1:77:A:ALA:HB1	1:76:A:LYS:H	11	0.32
(1,3406)	1:77:A:ALA:HB2	1:76:A:LYS:H	11	0.32
(1,3406)	1:77:A:ALA:HB3	1:76:A:LYS:H	11	0.32
(1,3405)	1:77:B:ALA:HB1	1:76:B:LYS:H	11	0.32
(1,3405)	1:77:B:ALA:HB2	1:76:B:LYS:H	11	0.32
(1,3405)	1:77:B:ALA:HB3	1:76:B:LYS:H	11	0.32
(1,3386)	1:77:A:ALA:HB1	1:95:B:LEU:HB2	12	0.32
(1,3386)	1:77:A:ALA:HB2	1:95:B:LEU:HB2	12	0.32
(1,3386)	1:77:A:ALA:HB3	1:95:B:LEU:HB2	12	0.32
(1,3340)	1:62:B:THR:HA	1:25:B:THR:HB	18	0.32
(1,3339)	1:62:A:THR:HA	1:25:A:THR:HB	18	0.32
(1,3334)	1:97:A:ARG:HA	1:94:A:ILE:HA	3	0.32
(1,3253)	1:49:B:ALA:HB1	1:53:B:PHE:H	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3253)	1:49:B:ALA:HB2	1:53:B:PHE:H	20	0.32
(1,3253)	1:49:B:ALA:HB3	1:53:B:PHE:H	20	0.32
(1,3252)	1:49:A:ALA:HB1	1:53:A:PHE:H	20	0.32
(1,3252)	1:49:A:ALA:HB2	1:53:A:PHE:H	20	0.32
(1,3252)	1:49:A:ALA:HB3	1:53:A:PHE:H	20	0.32
(1,3228)	1:29:B:LEU:HD11	1:50:B:LEU:HG	13	0.32
(1,3228)	1:29:B:LEU:HD12	1:50:B:LEU:HG	13	0.32
(1,3228)	1:29:B:LEU:HD13	1:50:B:LEU:HG	13	0.32
(1,3227)	1:29:A:LEU:HD11	1:50:A:LEU:HG	13	0.32
(1,3227)	1:29:A:LEU:HD12	1:50:A:LEU:HG	13	0.32
(1,3227)	1:29:A:LEU:HD13	1:50:A:LEU:HG	13	0.32
(1,3198)	1:48:B:MET:HB2	1:47:B:PHE:HB2	19	0.32
(1,3197)	1:48:A:MET:HB2	1:47:A:PHE:HB2	19	0.32
(1,3189)	1:66:A:LEU:HD11	1:60:A:PRO:HA	4	0.32
(1,3189)	1:66:A:LEU:HD12	1:60:A:PRO:HA	4	0.32
(1,3189)	1:66:A:LEU:HD13	1:60:A:PRO:HA	4	0.32
(1,3153)	1:81:B:LEU:HD11	1:69:B:TRP:HZ3	4	0.32
(1,3153)	1:81:B:LEU:HD12	1:69:B:TRP:HZ3	4	0.32
(1,3153)	1:81:B:LEU:HD13	1:69:B:TRP:HZ3	4	0.32
(1,3086)	1:67:A:LYS:HA	1:67:A:LYS:HD3	3	0.32
(1,3049)	1:55:A:ARG:HA	1:55:A:ARG:HD3	5	0.32
(1,3048)	1:55:B:ARG:HA	1:55:B:ARG:HD3	5	0.32
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD11	10	0.32
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD12	10	0.32
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD13	10	0.32
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD11	10	0.32
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD12	10	0.32
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD13	10	0.32
(1,2966)	1:80:A:VAL:HG21	1:84:A:PHE:HB2	3	0.32
(1,2966)	1:80:A:VAL:HG22	1:84:A:PHE:HB2	3	0.32
(1,2966)	1:80:A:VAL:HG23	1:84:A:PHE:HB2	3	0.32
(1,2943)	1:71:A:THR:H	1:44:A:LEU:HD11	2	0.32
(1,2943)	1:71:A:THR:H	1:44:A:LEU:HD12	2	0.32
(1,2943)	1:71:A:THR:H	1:44:A:LEU:HD13	2	0.32
(1,2942)	1:71:B:THR:H	1:44:B:LEU:HD11	2	0.32
(1,2942)	1:71:B:THR:H	1:44:B:LEU:HD12	2	0.32
(1,2942)	1:71:B:THR:H	1:44:B:LEU:HD13	2	0.32
(1,2844)	1:92:A:LEU:HA	1:93:A:ASN:H	8	0.32
(1,2809)	1:23:A:VAL:HG11	1:24:A:SER:HA	6	0.32
(1,2809)	1:23:A:VAL:HG12	1:24:A:SER:HA	6	0.32
(1,2809)	1:23:A:VAL:HG13	1:24:A:SER:HA	6	0.32
(1,2807)	1:23:A:VAL:HG11	1:24:A:SER:HA	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2807)	1:23:A:VAL:HG12	1:24:A:SER:HA	6	0.32
(1,2807)	1:23:A:VAL:HG13	1:24:A:SER:HA	6	0.32
(1,2793)	1:42:A:GLY:HA2	1:41:A:ARG:HB3	3	0.32
(1,2769)	1:57:B:LEU:HD21	1:46:A:LEU:HD11	15	0.32
(1,2769)	1:57:B:LEU:HD21	1:46:A:LEU:HD12	15	0.32
(1,2769)	1:57:B:LEU:HD21	1:46:A:LEU:HD13	15	0.32
(1,2769)	1:57:B:LEU:HD22	1:46:A:LEU:HD11	15	0.32
(1,2769)	1:57:B:LEU:HD22	1:46:A:LEU:HD12	15	0.32
(1,2769)	1:57:B:LEU:HD22	1:46:A:LEU:HD13	15	0.32
(1,2769)	1:57:B:LEU:HD23	1:46:A:LEU:HD11	15	0.32
(1,2769)	1:57:B:LEU:HD23	1:46:A:LEU:HD12	15	0.32
(1,2769)	1:57:B:LEU:HD23	1:46:A:LEU:HD13	15	0.32
(1,2751)	1:45:B:LYS:HE2	1:58:A:THR:HG21	7	0.32
(1,2751)	1:45:B:LYS:HE2	1:58:A:THR:HG22	7	0.32
(1,2751)	1:45:B:LYS:HE2	1:58:A:THR:HG23	7	0.32
(1,2726)	1:80:A:VAL:HG21	1:45:A:LYS:HB3	12	0.32
(1,2726)	1:80:A:VAL:HG22	1:45:A:LYS:HB3	12	0.32
(1,2726)	1:80:A:VAL:HG23	1:45:A:LYS:HB3	12	0.32
(1,2724)	1:47:B:PHE:HD1	1:65:B:ILE:HG13	13	0.32
(1,2724)	1:47:B:PHE:HD2	1:65:B:ILE:HG13	13	0.32
(1,2723)	1:47:A:PHE:HD1	1:65:A:ILE:HG13	13	0.32
(1,2723)	1:47:A:PHE:HD2	1:65:A:ILE:HG13	13	0.32
(1,2717)	1:63:B:ALA:HB1	1:66:B:LEU:H	1	0.32
(1,2717)	1:63:B:ALA:HB2	1:66:B:LEU:H	1	0.32
(1,2717)	1:63:B:ALA:HB3	1:66:B:LEU:H	1	0.32
(1,2669)	1:88:B:ILE:HA	1:52:A:ALA:HA	2	0.32
(1,2668)	1:88:A:ILE:HA	1:52:B:ALA:HA	12	0.32
(1,2636)	1:27:A:GLN:HA	1:24:A:SER:H	1	0.32
(1,2629)	1:87:A:GLU:HG3	1:86:A:LYS:HB2	16	0.32
(1,2626)	1:45:A:LYS:HE3	1:56:B:PHE:HA	17	0.32
(1,2604)	1:82:A:ARG:HA	1:85:A:ARG:HD3	17	0.32
(1,2600)	1:90:B:ARG:HA	1:93:B:ASN:HB3	16	0.32
(1,2553)	1:94:B:ILE:HG13	1:93:B:ASN:HB3	15	0.32
(1,2551)	1:58:A:THR:HA	1:59:A:ILE:HA	17	0.32
(1,2532)	1:74:A:LYS:HA	1:95:B:LEU:HG	2	0.32
(1,2519)	1:38:A:LEU:HA	1:38:A:LEU:HD21	1	0.32
(1,2519)	1:38:A:LEU:HA	1:38:A:LEU:HD22	1	0.32
(1,2519)	1:38:A:LEU:HA	1:38:A:LEU:HD23	1	0.32
(1,2519)	1:38:A:LEU:HA	1:38:A:LEU:HD21	16	0.32
(1,2519)	1:38:A:LEU:HA	1:38:A:LEU:HD22	16	0.32
(1,2519)	1:38:A:LEU:HA	1:38:A:LEU:HD23	16	0.32
(1,2518)	1:38:B:LEU:HA	1:38:B:LEU:HD21	1	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2518)	1:38:B:LEU:HA	1:38:B:LEU:HD22	1	0.32
(1,2518)	1:38:B:LEU:HA	1:38:B:LEU:HD23	1	0.32
(1,2518)	1:38:B:LEU:HA	1:38:B:LEU:HD21	16	0.32
(1,2518)	1:38:B:LEU:HA	1:38:B:LEU:HD22	16	0.32
(1,2518)	1:38:B:LEU:HA	1:38:B:LEU:HD23	16	0.32
(1,2517)	1:80:A:VAL:HG21	1:84:A:PHE:H	7	0.32
(1,2517)	1:80:A:VAL:HG22	1:84:A:PHE:H	7	0.32
(1,2517)	1:80:A:VAL:HG23	1:84:A:PHE:H	7	0.32
(1,2509)	1:99:A:ARG:HA	1:99:A:ARG:HD2	5	0.32
(1,2508)	1:99:B:ARG:HA	1:99:B:ARG:HD2	5	0.32
(1,2508)	1:99:B:ARG:HA	1:99:B:ARG:HD3	20	0.32
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD11	11	0.32
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD12	11	0.32
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD13	11	0.32
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD11	18	0.32
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD12	18	0.32
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD13	18	0.32
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD11	11	0.32
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD12	11	0.32
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD13	11	0.32
(1,2421)	1:45:B:LYS:HE2	1:56:A:PHE:HA	5	0.32
(1,2302)	1:47:A:PHE:HE1	1:69:A:TRP:HZ3	12	0.32
(1,2302)	1:47:A:PHE:HE2	1:69:A:TRP:HZ3	12	0.32
(1,2301)	1:47:B:PHE:HE1	1:69:B:TRP:HZ3	12	0.32
(1,2301)	1:47:B:PHE:HE2	1:69:B:TRP:HZ3	12	0.32
(1,2227)	1:61:B:PRO:HD3	1:61:B:PRO:HA	1	0.32
(1,2227)	1:61:B:PRO:HD3	1:61:B:PRO:HA	18	0.32
(1,2149)	1:79:B:ASN:H	1:76:B:LYS:HA	9	0.32
(1,2034)	1:26:B:VAL:HA	1:25:B:THR:HA	8	0.32
(1,2033)	1:26:A:VAL:HA	1:25:A:THR:HA	8	0.32
(1,1762)	1:86:B:LYS:HA	1:86:B:LYS:HG2	8	0.32
(1,1761)	1:86:A:LYS:HA	1:86:A:LYS:HG2	8	0.32
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD11	18	0.32
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD12	18	0.32
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD13	18	0.32
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD11	18	0.32
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD12	18	0.32
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD13	18	0.32
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD11	18	0.32
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD12	18	0.32
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD13	18	0.32
(1,1682)	1:80:A:VAL:H	1:79:A:ASN:HD21	18	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1653)	1:69:B:TRP:HA	1:67:B:LYS:H	5	0.32
(1,1652)	1:69:A:TRP:HA	1:67:A:LYS:H	5	0.32
(1,1561)	1:43:A:PRO:HD3	1:42:A:GLY:H	12	0.32
(1,1519)	1:28:B:GLN:H	1:28:B:GLN:HE22	15	0.32
(1,1505)	1:57:A:LEU:H	1:54:A:LEU:HB3	19	0.32
(1,1500)	1:65:A:ILE:HD11	1:66:A:LEU:H	16	0.32
(1,1500)	1:65:A:ILE:HD12	1:66:A:LEU:H	16	0.32
(1,1500)	1:65:A:ILE:HD13	1:66:A:LEU:H	16	0.32
(1,1499)	1:65:B:ILE:HD11	1:66:B:LEU:H	14	0.32
(1,1499)	1:65:B:ILE:HD12	1:66:B:LEU:H	14	0.32
(1,1499)	1:65:B:ILE:HD13	1:66:B:LEU:H	14	0.32
(1,1499)	1:65:B:ILE:HD11	1:66:B:LEU:H	15	0.32
(1,1499)	1:65:B:ILE:HD12	1:66:B:LEU:H	15	0.32
(1,1499)	1:65:B:ILE:HD13	1:66:B:LEU:H	15	0.32
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG11	8	0.32
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG12	8	0.32
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG13	8	0.32
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG11	17	0.32
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG12	17	0.32
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG13	17	0.32
(1,1420)	1:95:A:LEU:HD11	1:74:B:LYS:HA	11	0.32
(1,1420)	1:95:A:LEU:HD12	1:74:B:LYS:HA	11	0.32
(1,1420)	1:95:A:LEU:HD13	1:74:B:LYS:HA	11	0.32
(1,1274)	1:23:A:VAL:H	1:24:A:SER:HA	1	0.32
(1,1195)	1:42:A:GLY:HA2	1:43:A:PRO:HG3	14	0.32
(1,1194)	1:42:B:GLY:HA2	1:43:B:PRO:HG3	19	0.32
(1,1181)	1:69:B:TRP:HZ2	1:94:A:ILE:HB	10	0.32
(1,1115)	1:92:B:LEU:HD21	1:82:A:ARG:H	13	0.32
(1,1115)	1:92:B:LEU:HD22	1:82:A:ARG:H	13	0.32
(1,1115)	1:92:B:LEU:HD23	1:82:A:ARG:H	13	0.32
(1,1114)	1:92:A:LEU:HD21	1:82:B:ARG:H	19	0.32
(1,1114)	1:92:A:LEU:HD22	1:82:B:ARG:H	19	0.32
(1,1114)	1:92:A:LEU:HD23	1:82:B:ARG:H	19	0.32
(1,1071)	1:22:B:ARG:HG2	1:30:B:THR:HB	19	0.32
(1,1070)	1:22:A:ARG:HG2	1:30:A:THR:HB	19	0.32
(1,1061)	1:81:A:LEU:H	1:81:A:LEU:HD21	1	0.32
(1,1061)	1:81:A:LEU:H	1:81:A:LEU:HD22	1	0.32
(1,1061)	1:81:A:LEU:H	1:81:A:LEU:HD23	1	0.32
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG21	7	0.32
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG22	7	0.32
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG23	7	0.32
(1,974)	1:53:B:PHE:HD1	1:54:B:LEU:HA	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:53:B:PHE:HD2	1:54:B:LEU:HA	17	0.32
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD21	12	0.32
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD22	12	0.32
(1,871)	1:63:B:ALA:HA	1:66:B:LEU:HD23	12	0.32
(1,854)	1:81:A:LEU:H	1:79:A:ASN:H	11	0.32
(1,854)	1:81:A:LEU:H	1:79:A:ASN:H	12	0.32
(1,854)	1:81:A:LEU:H	1:79:A:ASN:H	13	0.32
(1,854)	1:81:A:LEU:H	1:79:A:ASN:H	20	0.32
(1,853)	1:81:B:LEU:H	1:79:B:ASN:H	6	0.32
(1,853)	1:81:B:LEU:H	1:79:B:ASN:H	20	0.32
(1,849)	1:95:A:LEU:H	1:93:A:ASN:HA	20	0.32
(1,805)	1:65:A:ILE:HG21	1:51:A:VAL:H	19	0.32
(1,805)	1:65:A:ILE:HG22	1:51:A:VAL:H	19	0.32
(1,805)	1:65:A:ILE:HG23	1:51:A:VAL:H	19	0.32
(1,797)	1:59:A:ILE:HB	1:60:A:PRO:HD3	16	0.32
(1,796)	1:59:B:ILE:HB	1:60:B:PRO:HD3	16	0.32
(1,763)	1:51:A:VAL:HG21	1:52:A:ALA:H	4	0.32
(1,763)	1:51:A:VAL:HG22	1:52:A:ALA:H	4	0.32
(1,763)	1:51:A:VAL:HG23	1:52:A:ALA:H	4	0.32
(1,763)	1:51:A:VAL:HG21	1:52:A:ALA:H	11	0.32
(1,763)	1:51:A:VAL:HG22	1:52:A:ALA:H	11	0.32
(1,763)	1:51:A:VAL:HG23	1:52:A:ALA:H	11	0.32
(1,762)	1:51:B:VAL:HG21	1:52:B:ALA:H	4	0.32
(1,762)	1:51:B:VAL:HG22	1:52:B:ALA:H	4	0.32
(1,762)	1:51:B:VAL:HG23	1:52:B:ALA:H	4	0.32
(1,762)	1:51:B:VAL:HG21	1:52:B:ALA:H	11	0.32
(1,762)	1:51:B:VAL:HG22	1:52:B:ALA:H	11	0.32
(1,762)	1:51:B:VAL:HG23	1:52:B:ALA:H	11	0.32
(1,742)	1:77:B:ALA:H	1:80:B:VAL:H	5	0.32
(1,741)	1:77:A:ALA:H	1:80:A:VAL:H	5	0.32
(1,711)	1:66:B:LEU:H	1:64:B:GLY:H	20	0.32
(1,710)	1:66:A:LEU:H	1:64:A:GLY:H	15	0.32
(1,700)	1:67:A:LYS:H	1:67:A:LYS:HA	4	0.32
(1,699)	1:67:B:LYS:H	1:67:B:LYS:HA	4	0.32
(1,687)	1:38:B:LEU:HA	1:38:B:LEU:HD21	1	0.32
(1,687)	1:38:B:LEU:HA	1:38:B:LEU:HD22	1	0.32
(1,687)	1:38:B:LEU:HA	1:38:B:LEU:HD23	1	0.32
(1,559)	1:65:A:ILE:HD11	1:51:A:VAL:HA	11	0.32
(1,559)	1:65:A:ILE:HD12	1:51:A:VAL:HA	11	0.32
(1,559)	1:65:A:ILE:HD13	1:51:A:VAL:HA	11	0.32
(1,558)	1:65:B:ILE:HD11	1:51:B:VAL:HA	11	0.32
(1,558)	1:65:B:ILE:HD12	1:51:B:VAL:HA	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:65:B:ILE:HD13	1:51:B:VAL:HA	11	0.32
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB1	9	0.32
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB2	9	0.32
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB3	9	0.32
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB1	9	0.32
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB2	9	0.32
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB3	9	0.32
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB1	9	0.32
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB2	9	0.32
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB3	9	0.32
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB1	9	0.32
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB2	9	0.32
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB3	9	0.32
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB1	9	0.32
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB2	9	0.32
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB3	9	0.32
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB1	9	0.32
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB2	9	0.32
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB3	9	0.32
(1,347)	1:90:A:ARG:H	1:90:A:ARG:HG3	15	0.32
(1,337)	1:64:B:GLY:HA3	1:63:B:ALA:HB1	17	0.32
(1,337)	1:64:B:GLY:HA3	1:63:B:ALA:HB2	17	0.32
(1,337)	1:64:B:GLY:HA3	1:63:B:ALA:HB3	17	0.32
(1,336)	1:64:A:GLY:HA3	1:63:A:ALA:HB1	17	0.32
(1,336)	1:64:A:GLY:HA3	1:63:A:ALA:HB2	17	0.32
(1,336)	1:64:A:GLY:HA3	1:63:A:ALA:HB3	17	0.32
(1,319)	1:49:A:ALA:HB1	1:84:A:PHE:HD1	12	0.32
(1,319)	1:49:A:ALA:HB1	1:84:A:PHE:HD2	12	0.32
(1,319)	1:49:A:ALA:HB2	1:84:A:PHE:HD1	12	0.32
(1,319)	1:49:A:ALA:HB2	1:84:A:PHE:HD2	12	0.32
(1,319)	1:49:A:ALA:HB3	1:84:A:PHE:HD1	12	0.32
(1,319)	1:49:A:ALA:HB3	1:84:A:PHE:HD2	12	0.32
(1,318)	1:49:B:ALA:HB1	1:84:B:PHE:HD1	8	0.32
(1,318)	1:49:B:ALA:HB1	1:84:B:PHE:HD2	8	0.32
(1,318)	1:49:B:ALA:HB2	1:84:B:PHE:HD1	8	0.32
(1,318)	1:49:B:ALA:HB2	1:84:B:PHE:HD2	8	0.32
(1,318)	1:49:B:ALA:HB3	1:84:B:PHE:HD1	8	0.32
(1,318)	1:49:B:ALA:HB3	1:84:B:PHE:HD2	8	0.32
(1,318)	1:49:B:ALA:HB1	1:84:B:PHE:HD1	12	0.32
(1,318)	1:49:B:ALA:HB1	1:84:B:PHE:HD2	12	0.32
(1,318)	1:49:B:ALA:HB2	1:84:B:PHE:HD1	12	0.32
(1,318)	1:49:B:ALA:HB2	1:84:B:PHE:HD2	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:49:B:ALA:HB3	1:84:B:PHE:HD1	12	0.32
(1,318)	1:49:B:ALA:HB3	1:84:B:PHE:HD2	12	0.32
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG3	11	0.32
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG3	11	0.32
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG3	11	0.32
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD21	10	0.32
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD22	10	0.32
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD23	10	0.32
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD21	10	0.32
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD22	10	0.32
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD23	10	0.32
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD21	10	0.32
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD22	10	0.32
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD23	10	0.32
(1,57)	1:49:B:ALA:HB1	1:56:A:PHE:HE1	4	0.32
(1,57)	1:49:B:ALA:HB1	1:56:A:PHE:HE2	4	0.32
(1,57)	1:49:B:ALA:HB2	1:56:A:PHE:HE1	4	0.32
(1,57)	1:49:B:ALA:HB2	1:56:A:PHE:HE2	4	0.32
(1,57)	1:49:B:ALA:HB3	1:56:A:PHE:HE1	4	0.32
(1,57)	1:49:B:ALA:HB3	1:56:A:PHE:HE2	4	0.32
(1,42)	1:69:B:TRP:HZ2	1:94:A:ILE:HB	10	0.32
(1,41)	1:69:A:TRP:HZ2	1:94:B:ILE:HD11	11	0.32
(1,41)	1:69:A:TRP:HZ2	1:94:B:ILE:HD12	11	0.32
(1,41)	1:69:A:TRP:HZ2	1:94:B:ILE:HD13	11	0.32
(1,31)	1:95:A:LEU:HD11	1:74:B:LYS:HA	11	0.32
(1,31)	1:95:A:LEU:HD12	1:74:B:LYS:HA	11	0.32
(1,31)	1:95:A:LEU:HD13	1:74:B:LYS:HA	11	0.32
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG21	5	0.32
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG22	5	0.32
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG23	5	0.32
(2,346)	1:90:B:ARG:H	1:90:B:ARG:HG3	15	0.31
(2,338)	1:63:B:ALA:HA	1:67:B:LYS:HD3	6	0.31
(2,326)	1:77:A:ALA:H	1:76:A:LYS:HB2	13	0.31
(2,322)	1:67:B:LYS:HA	1:67:B:LYS:HD3	15	0.31
(2,217)	1:80:B:VAL:H	1:79:B:ASN:HD21	18	0.31
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG3	3	0.31
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG3	3	0.31
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG3	3	0.31
(1,3455)	1:90:B:ARG:HA	1:92:B:LEU:H	2	0.31
(1,3454)	1:90:A:ARG:HA	1:92:A:LEU:H	2	0.31
(1,3358)	1:69:A:TRP:HZ2	1:91:B:MET:HA	6	0.31
(1,3270)	1:44:A:LEU:H	1:47:A:PHE:HB2	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3248)	1:26:A:VAL:HG21	1:27:A:GLN:HG3	9	0.31
(1,3248)	1:26:A:VAL:HG22	1:27:A:GLN:HG3	9	0.31
(1,3248)	1:26:A:VAL:HG23	1:27:A:GLN:HG3	9	0.31
(1,3171)	1:57:B:LEU:HD11	1:53:B:PHE:HB3	18	0.31
(1,3171)	1:57:B:LEU:HD12	1:53:B:PHE:HB3	18	0.31
(1,3171)	1:57:B:LEU:HD13	1:53:B:PHE:HB3	18	0.31
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG21	10	0.31
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG22	10	0.31
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG23	10	0.31
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG21	10	0.31
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG22	10	0.31
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG23	10	0.31
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG21	10	0.31
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG22	10	0.31
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG23	10	0.31
(1,3152)	1:81:A:LEU:HD11	1:69:A:TRP:HZ3	4	0.31
(1,3152)	1:81:A:LEU:HD12	1:69:A:TRP:HZ3	4	0.31
(1,3152)	1:81:A:LEU:HD13	1:69:A:TRP:HZ3	4	0.31
(1,3086)	1:67:A:LYS:HA	1:67:A:LYS:HD3	15	0.31
(1,2995)	1:44:A:LEU:HD11	1:71:A:THR:HA	1	0.31
(1,2995)	1:44:A:LEU:HD12	1:71:A:THR:HA	1	0.31
(1,2995)	1:44:A:LEU:HD13	1:71:A:THR:HA	1	0.31
(1,2994)	1:44:B:LEU:HD11	1:71:B:THR:HA	1	0.31
(1,2994)	1:44:B:LEU:HD12	1:71:B:THR:HA	1	0.31
(1,2994)	1:44:B:LEU:HD13	1:71:B:THR:HA	1	0.31
(1,2976)	1:22:A:ARG:HG3	1:30:A:THR:HB	2	0.31
(1,2973)	1:62:B:THR:HG21	1:23:B:VAL:HG21	2	0.31
(1,2973)	1:62:B:THR:HG21	1:23:B:VAL:HG22	2	0.31
(1,2973)	1:62:B:THR:HG21	1:23:B:VAL:HG23	2	0.31
(1,2973)	1:62:B:THR:HG22	1:23:B:VAL:HG21	2	0.31
(1,2973)	1:62:B:THR:HG22	1:23:B:VAL:HG22	2	0.31
(1,2973)	1:62:B:THR:HG22	1:23:B:VAL:HG23	2	0.31
(1,2973)	1:62:B:THR:HG23	1:23:B:VAL:HG21	2	0.31
(1,2973)	1:62:B:THR:HG23	1:23:B:VAL:HG22	2	0.31
(1,2973)	1:62:B:THR:HG23	1:23:B:VAL:HG23	2	0.31
(1,2966)	1:80:A:VAL:HG21	1:84:A:PHE:HB2	9	0.31
(1,2966)	1:80:A:VAL:HG22	1:84:A:PHE:HB2	9	0.31
(1,2966)	1:80:A:VAL:HG23	1:84:A:PHE:HB2	9	0.31
(1,2808)	1:23:B:VAL:HG11	1:24:B:SER:HA	6	0.31
(1,2808)	1:23:B:VAL:HG12	1:24:B:SER:HA	6	0.31
(1,2808)	1:23:B:VAL:HG13	1:24:B:SER:HA	6	0.31
(1,2780)	1:49:A:ALA:H	1:44:A:LEU:HD11	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2780)	1:49:A:ALA:H	1:44:A:LEU:HD12	1	0.31
(1,2780)	1:49:A:ALA:H	1:44:A:LEU:HD13	1	0.31
(1,2779)	1:49:B:ALA:H	1:44:B:LEU:HD11	1	0.31
(1,2779)	1:49:B:ALA:H	1:44:B:LEU:HD12	1	0.31
(1,2779)	1:49:B:ALA:H	1:44:B:LEU:HD13	1	0.31
(1,2757)	1:88:A:ILE:HD11	1:85:B:ARG:HA	16	0.31
(1,2757)	1:88:A:ILE:HD12	1:85:B:ARG:HA	16	0.31
(1,2757)	1:88:A:ILE:HD13	1:85:B:ARG:HA	16	0.31
(1,2750)	1:45:A:LYS:HE2	1:58:B:THR:HG21	7	0.31
(1,2750)	1:45:A:LYS:HE2	1:58:B:THR:HG22	7	0.31
(1,2750)	1:45:A:LYS:HE2	1:58:B:THR:HG23	7	0.31
(1,2718)	1:63:A:ALA:HB1	1:66:A:LEU:H	14	0.31
(1,2718)	1:63:A:ALA:HB2	1:66:A:LEU:H	14	0.31
(1,2718)	1:63:A:ALA:HB3	1:66:A:LEU:H	14	0.31
(1,2717)	1:63:B:ALA:HB1	1:66:B:LEU:H	14	0.31
(1,2717)	1:63:B:ALA:HB2	1:66:B:LEU:H	14	0.31
(1,2717)	1:63:B:ALA:HB3	1:66:B:LEU:H	14	0.31
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD1	11	0.31
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD2	11	0.31
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD1	11	0.31
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD2	11	0.31
(1,2683)	1:26:B:VAL:HG11	1:22:B:ARG:HG3	11	0.31
(1,2683)	1:26:B:VAL:HG12	1:22:B:ARG:HG3	11	0.31
(1,2683)	1:26:B:VAL:HG13	1:22:B:ARG:HG3	11	0.31
(1,2682)	1:26:A:VAL:HG11	1:22:A:ARG:HG3	11	0.31
(1,2682)	1:26:A:VAL:HG12	1:22:A:ARG:HG3	11	0.31
(1,2682)	1:26:A:VAL:HG13	1:22:A:ARG:HG3	11	0.31
(1,2627)	1:45:B:LYS:HE3	1:56:A:PHE:HA	17	0.31
(1,2603)	1:82:B:ARG:HA	1:85:B:ARG:HD3	17	0.31
(1,2599)	1:90:A:ARG:HA	1:93:A:ASN:HB3	16	0.31
(1,2517)	1:80:A:VAL:HG21	1:84:A:PHE:H	3	0.31
(1,2517)	1:80:A:VAL:HG22	1:84:A:PHE:H	3	0.31
(1,2517)	1:80:A:VAL:HG23	1:84:A:PHE:H	3	0.31
(1,2509)	1:99:A:ARG:HA	1:99:A:ARG:HD2	20	0.31
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD11	10	0.31
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD12	10	0.31
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD13	10	0.31
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD11	10	0.31
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD12	10	0.31
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD13	10	0.31
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD11	18	0.31
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD12	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD13	18	0.31
(1,2431)	1:48:B:MET:HB3	1:45:B:LYS:HA	18	0.31
(1,2430)	1:48:A:MET:HB3	1:45:A:LYS:HA	18	0.31
(1,2325)	1:78:B:ILE:HA	1:92:A:LEU:HA	2	0.31
(1,2255)	1:57:B:LEU:HD11	1:45:A:LYS:HE3	19	0.31
(1,2255)	1:57:B:LEU:HD12	1:45:A:LYS:HE3	19	0.31
(1,2255)	1:57:B:LEU:HD13	1:45:A:LYS:HE3	19	0.31
(1,2229)	1:43:B:PRO:HB2	1:44:B:LEU:H	19	0.31
(1,2228)	1:43:A:PRO:HB2	1:44:A:LEU:H	19	0.31
(1,2226)	1:61:A:PRO:HD3	1:61:A:PRO:HA	1	0.31
(1,2226)	1:61:A:PRO:HD3	1:61:A:PRO:HA	18	0.31
(1,2148)	1:79:A:ASN:H	1:76:A:LYS:HA	9	0.31
(1,2058)	1:49:B:ALA:H	1:52:B:ALA:H	16	0.31
(1,2057)	1:49:A:ALA:H	1:52:A:ALA:H	16	0.31
(1,2041)	1:71:B:THR:HG21	1:43:B:PRO:HD2	6	0.31
(1,2041)	1:71:B:THR:HG22	1:43:B:PRO:HD2	6	0.31
(1,2041)	1:71:B:THR:HG23	1:43:B:PRO:HD2	6	0.31
(1,2041)	1:71:B:THR:HG21	1:43:B:PRO:HD2	7	0.31
(1,2041)	1:71:B:THR:HG22	1:43:B:PRO:HD2	7	0.31
(1,2041)	1:71:B:THR:HG23	1:43:B:PRO:HD2	7	0.31
(1,2040)	1:71:A:THR:HG21	1:43:A:PRO:HD2	7	0.31
(1,2040)	1:71:A:THR:HG22	1:43:A:PRO:HD2	7	0.31
(1,2040)	1:71:A:THR:HG23	1:43:A:PRO:HD2	7	0.31
(1,2034)	1:26:B:VAL:HA	1:25:B:THR:HA	5	0.31
(1,2034)	1:26:B:VAL:HA	1:25:B:THR:HA	10	0.31
(1,2034)	1:26:B:VAL:HA	1:25:B:THR:HA	20	0.31
(1,2033)	1:26:A:VAL:HA	1:25:A:THR:HA	5	0.31
(1,2033)	1:26:A:VAL:HA	1:25:A:THR:HA	10	0.31
(1,2033)	1:26:A:VAL:HA	1:25:A:THR:HA	20	0.31
(1,2001)	1:23:B:VAL:HB	1:24:B:SER:H	17	0.31
(1,2000)	1:23:A:VAL:HB	1:24:A:SER:H	17	0.31
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD21	10	0.31
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD22	10	0.31
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD23	10	0.31
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD11	14	0.31
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD12	14	0.31
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD13	14	0.31
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD11	14	0.31
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD12	14	0.31
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD13	14	0.31
(1,1802)	1:77:B:ALA:H	1:76:B:LYS:HB2	13	0.31
(1,1801)	1:84:A:PHE:HD1	1:85:A:ARG:HA	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1801)	1:84:A:PHE:HD2	1:85:A:ARG:HA	19	0.31
(1,1800)	1:84:B:PHE:HD1	1:85:B:ARG:HA	19	0.31
(1,1800)	1:84:B:PHE:HD2	1:85:B:ARG:HA	19	0.31
(1,1799)	1:84:B:PHE:HD1	1:85:A:ARG:HA	6	0.31
(1,1799)	1:84:B:PHE:HD2	1:85:A:ARG:HA	6	0.31
(1,1748)	1:88:A:ILE:HG21	1:86:A:LYS:H	19	0.31
(1,1748)	1:88:A:ILE:HG22	1:86:A:LYS:H	19	0.31
(1,1748)	1:88:A:ILE:HG23	1:86:A:LYS:H	19	0.31
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD11	12	0.31
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD12	12	0.31
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD13	12	0.31
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD11	12	0.31
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD12	12	0.31
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD13	12	0.31
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD11	12	0.31
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD12	12	0.31
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD13	12	0.31
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD11	18	0.31
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD12	18	0.31
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD13	18	0.31
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD11	18	0.31
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD12	18	0.31
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD13	18	0.31
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD11	18	0.31
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD12	18	0.31
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD13	18	0.31
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD11	12	0.31
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD12	12	0.31
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD13	12	0.31
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD11	12	0.31
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD12	12	0.31
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD13	12	0.31
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD11	12	0.31
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD12	12	0.31
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD13	12	0.31
(1,1652)	1:69:A:TRP:HA	1:67:A:LYS:H	14	0.31
(1,1649)	1:95:A:LEU:HD11	1:92:A:LEU:HA	5	0.31
(1,1649)	1:95:A:LEU:HD12	1:92:A:LEU:HA	5	0.31
(1,1649)	1:95:A:LEU:HD13	1:92:A:LEU:HA	5	0.31
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD21	7	0.31
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD22	7	0.31
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD23	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD21	7	0.31
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD22	7	0.31
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD23	7	0.31
(1,1562)	1:43:B:PRO:HD3	1:42:B:GLY:H	12	0.31
(1,1520)	1:28:A:GLN:H	1:28:A:GLN:HE22	15	0.31
(1,1500)	1:65:A:ILE:HD11	1:66:A:LEU:H	2	0.31
(1,1500)	1:65:A:ILE:HD12	1:66:A:LEU:H	2	0.31
(1,1500)	1:65:A:ILE:HD13	1:66:A:LEU:H	2	0.31
(1,1500)	1:65:A:ILE:HD11	1:66:A:LEU:H	7	0.31
(1,1500)	1:65:A:ILE:HD12	1:66:A:LEU:H	7	0.31
(1,1500)	1:65:A:ILE:HD13	1:66:A:LEU:H	7	0.31
(1,1500)	1:65:A:ILE:HD11	1:66:A:LEU:H	14	0.31
(1,1500)	1:65:A:ILE:HD12	1:66:A:LEU:H	14	0.31
(1,1500)	1:65:A:ILE:HD13	1:66:A:LEU:H	14	0.31
(1,1500)	1:65:A:ILE:HD11	1:66:A:LEU:H	18	0.31
(1,1500)	1:65:A:ILE:HD12	1:66:A:LEU:H	18	0.31
(1,1500)	1:65:A:ILE:HD13	1:66:A:LEU:H	18	0.31
(1,1499)	1:65:B:ILE:HD11	1:66:B:LEU:H	2	0.31
(1,1499)	1:65:B:ILE:HD12	1:66:B:LEU:H	2	0.31
(1,1499)	1:65:B:ILE:HD13	1:66:B:LEU:H	2	0.31
(1,1499)	1:65:B:ILE:HD11	1:66:B:LEU:H	7	0.31
(1,1499)	1:65:B:ILE:HD12	1:66:B:LEU:H	7	0.31
(1,1499)	1:65:B:ILE:HD13	1:66:B:LEU:H	7	0.31
(1,1499)	1:65:B:ILE:HD11	1:66:B:LEU:H	16	0.31
(1,1499)	1:65:B:ILE:HD12	1:66:B:LEU:H	16	0.31
(1,1499)	1:65:B:ILE:HD13	1:66:B:LEU:H	16	0.31
(1,1499)	1:65:B:ILE:HD11	1:66:B:LEU:H	18	0.31
(1,1499)	1:65:B:ILE:HD12	1:66:B:LEU:H	18	0.31
(1,1499)	1:65:B:ILE:HD13	1:66:B:LEU:H	18	0.31
(1,1435)	1:57:B:LEU:HD11	1:57:B:LEU:H	1	0.31
(1,1435)	1:57:B:LEU:HD12	1:57:B:LEU:H	1	0.31
(1,1435)	1:57:B:LEU:HD13	1:57:B:LEU:H	1	0.31
(1,1434)	1:57:A:LEU:HD11	1:57:A:LEU:H	1	0.31
(1,1434)	1:57:A:LEU:HD12	1:57:A:LEU:H	1	0.31
(1,1434)	1:57:A:LEU:HD13	1:57:A:LEU:H	1	0.31
(1,1433)	1:57:A:LEU:HD11	1:57:A:LEU:H	1	0.31
(1,1433)	1:57:A:LEU:HD12	1:57:A:LEU:H	1	0.31
(1,1433)	1:57:A:LEU:HD13	1:57:A:LEU:H	1	0.31
(1,1421)	1:95:B:LEU:HD11	1:74:A:LYS:HA	15	0.31
(1,1421)	1:95:B:LEU:HD12	1:74:A:LYS:HA	15	0.31
(1,1421)	1:95:B:LEU:HD13	1:74:A:LYS:HA	15	0.31
(1,1275)	1:23:B:VAL:H	1:24:B:SER:HA	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:80:B:VAL:HG21	1:79:B:ASN:HB2	4	0.31
(1,1208)	1:80:B:VAL:HG22	1:79:B:ASN:HB2	4	0.31
(1,1208)	1:80:B:VAL:HG23	1:79:B:ASN:HB2	4	0.31
(1,1195)	1:42:A:GLY:HA2	1:43:A:PRO:HG3	15	0.31
(1,1195)	1:42:A:GLY:HA2	1:43:A:PRO:HG3	19	0.31
(1,1194)	1:42:B:GLY:HA2	1:43:B:PRO:HG3	14	0.31
(1,1194)	1:42:B:GLY:HA2	1:43:B:PRO:HG3	15	0.31
(1,1149)	1:41:A:ARG:HB2	1:42:A:GLY:H	19	0.31
(1,1148)	1:41:B:ARG:HB2	1:42:B:GLY:H	19	0.31
(1,1115)	1:92:B:LEU:HD21	1:82:A:ARG:H	3	0.31
(1,1115)	1:92:B:LEU:HD22	1:82:A:ARG:H	3	0.31
(1,1115)	1:92:B:LEU:HD23	1:82:A:ARG:H	3	0.31
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD11	9	0.31
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD12	9	0.31
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD13	9	0.31
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD11	16	0.31
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD12	16	0.31
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD13	16	0.31
(1,973)	1:53:A:PHE:HD1	1:54:A:LEU:HA	17	0.31
(1,973)	1:53:A:PHE:HD2	1:54:A:LEU:HA	17	0.31
(1,927)	1:80:A:VAL:HG21	1:45:A:LYS:HG3	13	0.31
(1,927)	1:80:A:VAL:HG22	1:45:A:LYS:HG3	13	0.31
(1,927)	1:80:A:VAL:HG23	1:45:A:LYS:HG3	13	0.31
(1,854)	1:81:A:LEU:H	1:79:A:ASN:H	7	0.31
(1,853)	1:81:B:LEU:H	1:79:B:ASN:H	7	0.31
(1,853)	1:81:B:LEU:H	1:79:B:ASN:H	12	0.31
(1,853)	1:81:B:LEU:H	1:79:B:ASN:H	13	0.31
(1,850)	1:95:B:LEU:H	1:93:B:ASN:HA	20	0.31
(1,804)	1:65:B:ILE:HG21	1:51:B:VAL:H	19	0.31
(1,804)	1:65:B:ILE:HG22	1:51:B:VAL:H	19	0.31
(1,804)	1:65:B:ILE:HG23	1:51:B:VAL:H	19	0.31
(1,797)	1:59:A:ILE:HB	1:60:A:PRO:HD2	12	0.31
(1,797)	1:59:A:ILE:HB	1:60:A:PRO:HD2	18	0.31
(1,796)	1:59:B:ILE:HB	1:60:B:PRO:HD2	12	0.31
(1,796)	1:59:B:ILE:HB	1:60:B:PRO:HD2	18	0.31
(1,763)	1:51:A:VAL:HG21	1:52:A:ALA:H	9	0.31
(1,763)	1:51:A:VAL:HG22	1:52:A:ALA:H	9	0.31
(1,763)	1:51:A:VAL:HG23	1:52:A:ALA:H	9	0.31
(1,762)	1:51:B:VAL:HG21	1:52:B:ALA:H	9	0.31
(1,762)	1:51:B:VAL:HG22	1:52:B:ALA:H	9	0.31
(1,762)	1:51:B:VAL:HG23	1:52:B:ALA:H	9	0.31
(1,711)	1:66:B:LEU:H	1:64:B:GLY:H	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,711)	1:66:B:LEU:H	1:64:B:GLY:H	15	0.31
(1,710)	1:66:A:LEU:H	1:64:A:GLY:H	12	0.31
(1,687)	1:38:B:LEU:HA	1:38:B:LEU:HD21	16	0.31
(1,687)	1:38:B:LEU:HA	1:38:B:LEU:HD22	16	0.31
(1,687)	1:38:B:LEU:HA	1:38:B:LEU:HD23	16	0.31
(1,686)	1:38:A:LEU:HA	1:38:A:LEU:HD21	1	0.31
(1,686)	1:38:A:LEU:HA	1:38:A:LEU:HD22	1	0.31
(1,686)	1:38:A:LEU:HA	1:38:A:LEU:HD23	1	0.31
(1,686)	1:38:A:LEU:HA	1:38:A:LEU:HD21	16	0.31
(1,686)	1:38:A:LEU:HA	1:38:A:LEU:HD22	16	0.31
(1,686)	1:38:A:LEU:HA	1:38:A:LEU:HD23	16	0.31
(1,680)	1:38:A:LEU:HA	1:38:A:LEU:HG	20	0.31
(1,630)	1:31:A:LYS:H	1:30:A:THR:HB	10	0.31
(1,551)	1:25:A:THR:H	1:29:A:LEU:H	10	0.31
(1,550)	1:25:B:THR:H	1:29:B:LEU:H	10	0.31
(1,513)	1:26:A:VAL:HA	1:28:A:GLN:H	3	0.31
(1,458)	1:26:B:VAL:HA	1:22:B:ARG:HG2	1	0.31
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB1	10	0.31
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB2	10	0.31
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB3	10	0.31
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB1	10	0.31
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB2	10	0.31
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB3	10	0.31
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB1	10	0.31
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB2	10	0.31
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB3	10	0.31
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB1	10	0.31
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB2	10	0.31
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB3	10	0.31
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB1	10	0.31
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB2	10	0.31
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB3	10	0.31
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB1	10	0.31
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB2	10	0.31
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB3	10	0.31
(1,347)	1:90:A:ARG:H	1:90:A:ARG:HG3	14	0.31
(1,319)	1:49:A:ALA:HB1	1:84:A:PHE:HD1	8	0.31
(1,319)	1:49:A:ALA:HB1	1:84:A:PHE:HD2	8	0.31
(1,319)	1:49:A:ALA:HB2	1:84:A:PHE:HD1	8	0.31
(1,319)	1:49:A:ALA:HB2	1:84:A:PHE:HD2	8	0.31
(1,319)	1:49:A:ALA:HB3	1:84:A:PHE:HD1	8	0.31
(1,319)	1:49:A:ALA:HB3	1:84:A:PHE:HD2	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:57:B:LEU:HD21	1:46:A:LEU:H	12	0.31
(1,178)	1:57:B:LEU:HD22	1:46:A:LEU:H	12	0.31
(1,178)	1:57:B:LEU:HD23	1:46:A:LEU:H	12	0.31
(1,146)	1:69:A:TRP:HH2	1:95:B:LEU:H	11	0.31
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD21	3	0.31
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD22	3	0.31
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD23	3	0.31
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD21	3	0.31
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD22	3	0.31
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD23	3	0.31
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD21	3	0.31
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD22	3	0.31
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD23	3	0.31
(1,67)	1:77:B:ALA:HB1	1:72:B:ILE:HG13	3	0.31
(1,67)	1:77:B:ALA:HB2	1:72:B:ILE:HG13	3	0.31
(1,67)	1:77:B:ALA:HB3	1:72:B:ILE:HG13	3	0.31
(1,66)	1:77:A:ALA:HB1	1:72:A:ILE:HG13	3	0.31
(1,66)	1:77:A:ALA:HB2	1:72:A:ILE:HG13	3	0.31
(1,66)	1:77:A:ALA:HB3	1:72:A:ILE:HG13	3	0.31
(1,57)	1:49:B:ALA:HB1	1:56:A:PHE:HE1	1	0.31
(1,57)	1:49:B:ALA:HB1	1:56:A:PHE:HE2	1	0.31
(1,57)	1:49:B:ALA:HB2	1:56:A:PHE:HE1	1	0.31
(1,57)	1:49:B:ALA:HB2	1:56:A:PHE:HE2	1	0.31
(1,57)	1:49:B:ALA:HB3	1:56:A:PHE:HE1	1	0.31
(1,57)	1:49:B:ALA:HB3	1:56:A:PHE:HE2	1	0.31
(1,56)	1:49:A:ALA:HB1	1:56:B:PHE:HE1	16	0.31
(1,56)	1:49:A:ALA:HB1	1:56:B:PHE:HE2	16	0.31
(1,56)	1:49:A:ALA:HB2	1:56:B:PHE:HE1	16	0.31
(1,56)	1:49:A:ALA:HB2	1:56:B:PHE:HE2	16	0.31
(1,56)	1:49:A:ALA:HB3	1:56:B:PHE:HE1	16	0.31
(1,56)	1:49:A:ALA:HB3	1:56:B:PHE:HE2	16	0.31
(1,30)	1:95:B:LEU:HD11	1:74:A:LYS:HA	15	0.31
(1,30)	1:95:B:LEU:HD12	1:74:A:LYS:HA	15	0.31
(1,30)	1:95:B:LEU:HD13	1:74:A:LYS:HA	15	0.31
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG21	17	0.31
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG22	17	0.31
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG23	17	0.31
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG21	5	0.31
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG22	5	0.31
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG23	5	0.31
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG21	17	0.31
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG22	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG23	17	0.31
(2,346)	1:90:B:ARG:H	1:90:B:ARG:HG3	14	0.3
(2,240)	1:30:B:THR:HG21	1:27:B:GLN:HG3	5	0.3
(2,240)	1:30:B:THR:HG22	1:27:B:GLN:HG3	5	0.3
(2,240)	1:30:B:THR:HG23	1:27:B:GLN:HG3	5	0.3
(2,164)	1:81:B:LEU:H	1:84:B:PHE:HB2	9	0.3
(1,3487)	1:57:A:LEU:HD11	1:45:B:LYS:H	19	0.3
(1,3487)	1:57:A:LEU:HD12	1:45:B:LYS:H	19	0.3
(1,3487)	1:57:A:LEU:HD13	1:45:B:LYS:H	19	0.3
(1,3486)	1:57:B:LEU:HD11	1:45:A:LYS:H	19	0.3
(1,3486)	1:57:B:LEU:HD12	1:45:A:LYS:H	19	0.3
(1,3486)	1:57:B:LEU:HD13	1:45:A:LYS:H	19	0.3
(1,3455)	1:90:B:ARG:HA	1:92:B:LEU:H	16	0.3
(1,3454)	1:90:A:ARG:HA	1:92:A:LEU:H	16	0.3
(1,3414)	1:69:B:TRP:HE1	1:66:B:LEU:HA	17	0.3
(1,3413)	1:69:A:TRP:HE1	1:66:A:LEU:HA	17	0.3
(1,3383)	1:87:A:GLU:HB3	1:55:B:ARG:HG3	19	0.3
(1,3359)	1:69:B:TRP:HZ2	1:91:A:MET:HA	2	0.3
(1,3358)	1:69:A:TRP:HZ2	1:91:B:MET:HA	15	0.3
(1,3342)	1:86:A:LYS:HA	1:89:A:GLY:HA2	14	0.3
(1,3269)	1:44:B:LEU:H	1:47:B:PHE:HB2	18	0.3
(1,3228)	1:29:B:LEU:HD11	1:50:B:LEU:HG	15	0.3
(1,3228)	1:29:B:LEU:HD12	1:50:B:LEU:HG	15	0.3
(1,3228)	1:29:B:LEU:HD13	1:50:B:LEU:HG	15	0.3
(1,3227)	1:29:A:LEU:HD11	1:50:A:LEU:HG	15	0.3
(1,3227)	1:29:A:LEU:HD12	1:50:A:LEU:HG	15	0.3
(1,3227)	1:29:A:LEU:HD13	1:50:A:LEU:HG	15	0.3
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG21	10	0.3
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG22	10	0.3
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG23	10	0.3
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG21	10	0.3
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG22	10	0.3
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG23	10	0.3
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG21	10	0.3
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG22	10	0.3
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG23	10	0.3
(1,3146)	1:51:B:VAL:HG21	1:69:B:TRP:HZ3	14	0.3
(1,3146)	1:51:B:VAL:HG22	1:69:B:TRP:HZ3	14	0.3
(1,3146)	1:51:B:VAL:HG23	1:69:B:TRP:HZ3	14	0.3
(1,3145)	1:51:A:VAL:HG21	1:69:A:TRP:HZ3	14	0.3
(1,3145)	1:51:A:VAL:HG22	1:69:A:TRP:HZ3	14	0.3
(1,3145)	1:51:A:VAL:HG23	1:69:A:TRP:HZ3	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3049)	1:55:A:ARG:HA	1:55:A:ARG:HD3	14	0.3
(1,3049)	1:55:A:ARG:HA	1:55:A:ARG:HD3	19	0.3
(1,3048)	1:55:B:ARG:HA	1:55:B:ARG:HD3	14	0.3
(1,3048)	1:55:B:ARG:HA	1:55:B:ARG:HD3	19	0.3
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD11	10	0.3
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD12	10	0.3
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD13	10	0.3
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD11	10	0.3
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD12	10	0.3
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD13	10	0.3
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD11	2	0.3
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD12	2	0.3
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD13	2	0.3
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD11	2	0.3
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD12	2	0.3
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD13	2	0.3
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD11	2	0.3
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD12	2	0.3
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD13	2	0.3
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD11	2	0.3
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD12	2	0.3
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD13	2	0.3
(1,3009)	1:23:A:VAL:HB	1:22:A:ARG:HB3	16	0.3
(1,2950)	1:80:B:VAL:HA	1:79:B:ASN:HB3	11	0.3
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD11	14	0.3
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD12	14	0.3
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD13	14	0.3
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD11	14	0.3
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD12	14	0.3
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD13	14	0.3
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD11	14	0.3
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD12	14	0.3
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD13	14	0.3
(1,2809)	1:23:A:VAL:HG21	1:24:A:SER:HA	16	0.3
(1,2809)	1:23:A:VAL:HG22	1:24:A:SER:HA	16	0.3
(1,2809)	1:23:A:VAL:HG23	1:24:A:SER:HA	16	0.3
(1,2807)	1:23:A:VAL:HG21	1:24:A:SER:HA	16	0.3
(1,2807)	1:23:A:VAL:HG22	1:24:A:SER:HA	16	0.3
(1,2807)	1:23:A:VAL:HG23	1:24:A:SER:HA	16	0.3
(1,2718)	1:63:A:ALA:HB1	1:66:A:LEU:H	7	0.3
(1,2718)	1:63:A:ALA:HB2	1:66:A:LEU:H	7	0.3
(1,2718)	1:63:A:ALA:HB3	1:66:A:LEU:H	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2717)	1:63:B:ALA:HB1	1:66:B:LEU:H	7	0.3
(1,2717)	1:63:B:ALA:HB2	1:66:B:LEU:H	7	0.3
(1,2717)	1:63:B:ALA:HB3	1:66:B:LEU:H	7	0.3
(1,2668)	1:88:A:ILE:HA	1:52:B:ALA:HA	2	0.3
(1,2619)	1:87:B:GLU:H	1:90:B:ARG:HD2	15	0.3
(1,2618)	1:87:A:GLU:H	1:90:A:ARG:HD2	15	0.3
(1,2552)	1:58:B:THR:HA	1:59:B:ILE:HA	2	0.3
(1,2551)	1:58:A:THR:HA	1:59:A:ILE:HA	2	0.3
(1,2517)	1:80:A:VAL:HG21	1:84:A:PHE:H	11	0.3
(1,2517)	1:80:A:VAL:HG22	1:84:A:PHE:H	11	0.3
(1,2517)	1:80:A:VAL:HG23	1:84:A:PHE:H	11	0.3
(1,2443)	1:22:B:ARG:HB3	1:23:B:VAL:HA	9	0.3
(1,2256)	1:57:A:LEU:HD11	1:45:B:LYS:HE3	15	0.3
(1,2256)	1:57:A:LEU:HD12	1:45:B:LYS:HE3	15	0.3
(1,2256)	1:57:A:LEU:HD13	1:45:B:LYS:HE3	15	0.3
(1,2256)	1:57:A:LEU:HD11	1:45:B:LYS:HE3	19	0.3
(1,2256)	1:57:A:LEU:HD12	1:45:B:LYS:HE3	19	0.3
(1,2256)	1:57:A:LEU:HD13	1:45:B:LYS:HE3	19	0.3
(1,2242)	1:91:B:MET:HB2	1:93:B:ASN:H	3	0.3
(1,2241)	1:91:A:MET:HB2	1:93:A:ASN:H	3	0.3
(1,2235)	1:67:B:LYS:HB3	1:67:B:LYS:HA	18	0.3
(1,2234)	1:67:A:LYS:HB3	1:67:A:LYS:HA	18	0.3
(1,2227)	1:61:B:PRO:HD3	1:61:B:PRO:HA	8	0.3
(1,2227)	1:61:B:PRO:HD3	1:61:B:PRO:HA	15	0.3
(1,2226)	1:61:A:PRO:HD3	1:61:A:PRO:HA	8	0.3
(1,2226)	1:61:A:PRO:HD3	1:61:A:PRO:HA	15	0.3
(1,2058)	1:49:B:ALA:H	1:52:B:ALA:H	17	0.3
(1,2057)	1:49:A:ALA:H	1:52:A:ALA:H	17	0.3
(1,2040)	1:71:A:THR:HG21	1:43:A:PRO:HD2	6	0.3
(1,2040)	1:71:A:THR:HG22	1:43:A:PRO:HD2	6	0.3
(1,2040)	1:71:A:THR:HG23	1:43:A:PRO:HD2	6	0.3
(1,2034)	1:26:B:VAL:HA	1:25:B:THR:HA	2	0.3
(1,2033)	1:26:A:VAL:HA	1:25:A:THR:HA	2	0.3
(1,1999)	1:72:A:ILE:HD11	1:73:A:LYS:H	12	0.3
(1,1999)	1:72:A:ILE:HD12	1:73:A:LYS:H	12	0.3
(1,1999)	1:72:A:ILE:HD13	1:73:A:LYS:H	12	0.3
(1,1998)	1:72:B:ILE:HD11	1:73:B:LYS:H	12	0.3
(1,1998)	1:72:B:ILE:HD12	1:73:B:LYS:H	12	0.3
(1,1998)	1:72:B:ILE:HD13	1:73:B:LYS:H	12	0.3
(1,1965)	1:29:A:LEU:HD21	1:50:A:LEU:HD21	2	0.3
(1,1965)	1:29:A:LEU:HD21	1:50:A:LEU:HD22	2	0.3
(1,1965)	1:29:A:LEU:HD21	1:50:A:LEU:HD23	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1965)	1:29:A:LEU:HD22	1:50:A:LEU:HD21	2	0.3
(1,1965)	1:29:A:LEU:HD22	1:50:A:LEU:HD22	2	0.3
(1,1965)	1:29:A:LEU:HD22	1:50:A:LEU:HD23	2	0.3
(1,1965)	1:29:A:LEU:HD23	1:50:A:LEU:HD21	2	0.3
(1,1965)	1:29:A:LEU:HD23	1:50:A:LEU:HD22	2	0.3
(1,1965)	1:29:A:LEU:HD23	1:50:A:LEU:HD23	2	0.3
(1,1964)	1:29:B:LEU:HD21	1:50:B:LEU:HD21	2	0.3
(1,1964)	1:29:B:LEU:HD21	1:50:B:LEU:HD22	2	0.3
(1,1964)	1:29:B:LEU:HD21	1:50:B:LEU:HD23	2	0.3
(1,1964)	1:29:B:LEU:HD22	1:50:B:LEU:HD21	2	0.3
(1,1964)	1:29:B:LEU:HD22	1:50:B:LEU:HD22	2	0.3
(1,1964)	1:29:B:LEU:HD22	1:50:B:LEU:HD23	2	0.3
(1,1964)	1:29:B:LEU:HD23	1:50:B:LEU:HD21	2	0.3
(1,1964)	1:29:B:LEU:HD23	1:50:B:LEU:HD22	2	0.3
(1,1964)	1:29:B:LEU:HD23	1:50:B:LEU:HD23	2	0.3
(1,1932)	1:61:B:PRO:HG2	1:54:B:LEU:HD21	1	0.3
(1,1932)	1:61:B:PRO:HG2	1:54:B:LEU:HD22	1	0.3
(1,1932)	1:61:B:PRO:HG2	1:54:B:LEU:HD23	1	0.3
(1,1931)	1:61:A:PRO:HG2	1:54:A:LEU:HD21	1	0.3
(1,1931)	1:61:A:PRO:HG2	1:54:A:LEU:HD22	1	0.3
(1,1931)	1:61:A:PRO:HG2	1:54:A:LEU:HD23	1	0.3
(1,1887)	1:48:B:MET:H	1:48:B:MET:HG3	1	0.3
(1,1859)	1:62:A:THR:HB	1:63:A:ALA:H	6	0.3
(1,1858)	1:62:B:THR:HB	1:63:B:ALA:H	6	0.3
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD11	6	0.3
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD12	6	0.3
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD13	6	0.3
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD11	6	0.3
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD12	6	0.3
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD13	6	0.3
(1,1799)	1:84:B:PHE:HD1	1:85:A:ARG:HA	1	0.3
(1,1799)	1:84:B:PHE:HD2	1:85:A:ARG:HA	1	0.3
(1,1798)	1:84:A:PHE:HD1	1:85:B:ARG:HA	3	0.3
(1,1798)	1:84:A:PHE:HD2	1:85:B:ARG:HA	3	0.3
(1,1747)	1:88:B:ILE:HG21	1:86:B:LYS:H	19	0.3
(1,1747)	1:88:B:ILE:HG22	1:86:B:LYS:H	19	0.3
(1,1747)	1:88:B:ILE:HG23	1:86:B:LYS:H	19	0.3
(1,1711)	1:82:B:ARG:HA	1:85:B:ARG:HD3	4	0.3
(1,1710)	1:82:A:ARG:HA	1:85:A:ARG:HD3	4	0.3
(1,1681)	1:95:B:LEU:HA	1:98:B:ARG:HB2	15	0.3
(1,1680)	1:95:A:LEU:HA	1:98:A:ARG:HB2	15	0.3
(1,1653)	1:69:B:TRP:HA	1:67:B:LYS:H	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1653)	1:69:B:TRP:HA	1:67:B:LYS:H	14	0.3
(1,1647)	1:51:B:VAL:HG11	1:65:B:ILE:HG21	2	0.3
(1,1647)	1:51:B:VAL:HG11	1:65:B:ILE:HG22	2	0.3
(1,1647)	1:51:B:VAL:HG11	1:65:B:ILE:HG23	2	0.3
(1,1647)	1:51:B:VAL:HG12	1:65:B:ILE:HG21	2	0.3
(1,1647)	1:51:B:VAL:HG12	1:65:B:ILE:HG22	2	0.3
(1,1647)	1:51:B:VAL:HG12	1:65:B:ILE:HG23	2	0.3
(1,1647)	1:51:B:VAL:HG13	1:65:B:ILE:HG21	2	0.3
(1,1647)	1:51:B:VAL:HG13	1:65:B:ILE:HG22	2	0.3
(1,1647)	1:51:B:VAL:HG13	1:65:B:ILE:HG23	2	0.3
(1,1637)	1:28:B:GLN:H	1:24:B:SER:H	11	0.3
(1,1520)	1:28:A:GLN:H	1:28:A:GLN:HE22	10	0.3
(1,1519)	1:28:B:GLN:H	1:28:B:GLN:HE22	10	0.3
(1,1484)	1:69:A:TRP:HD1	1:68:A:ARG:HA	8	0.3
(1,1483)	1:69:B:TRP:HD1	1:68:B:ARG:HA	8	0.3
(1,1434)	1:57:A:LEU:HD11	1:57:A:LEU:H	9	0.3
(1,1434)	1:57:A:LEU:HD12	1:57:A:LEU:H	9	0.3
(1,1434)	1:57:A:LEU:HD13	1:57:A:LEU:H	9	0.3
(1,1433)	1:57:A:LEU:HD11	1:57:A:LEU:H	9	0.3
(1,1433)	1:57:A:LEU:HD12	1:57:A:LEU:H	9	0.3
(1,1433)	1:57:A:LEU:HD13	1:57:A:LEU:H	9	0.3
(1,1423)	1:44:B:LEU:HD11	1:72:B:ILE:HA	7	0.3
(1,1423)	1:44:B:LEU:HD12	1:72:B:ILE:HA	7	0.3
(1,1423)	1:44:B:LEU:HD13	1:72:B:ILE:HA	7	0.3
(1,1422)	1:44:A:LEU:HD11	1:72:A:ILE:HA	7	0.3
(1,1422)	1:44:A:LEU:HD12	1:72:A:ILE:HA	7	0.3
(1,1422)	1:44:A:LEU:HD13	1:72:A:ILE:HA	7	0.3
(1,1421)	1:95:B:LEU:HD11	1:74:A:LYS:HA	11	0.3
(1,1421)	1:95:B:LEU:HD12	1:74:A:LYS:HA	11	0.3
(1,1421)	1:95:B:LEU:HD13	1:74:A:LYS:HA	11	0.3
(1,1180)	1:69:A:TRP:HZ2	1:94:B:ILE:HB	10	0.3
(1,1149)	1:41:A:ARG:HB2	1:42:A:GLY:H	18	0.3
(1,1148)	1:41:B:ARG:HB2	1:42:B:GLY:H	18	0.3
(1,1135)	1:49:A:ALA:HA	1:84:A:PHE:HD1	8	0.3
(1,1135)	1:49:A:ALA:HA	1:84:A:PHE:HD2	8	0.3
(1,1134)	1:49:B:ALA:HA	1:84:B:PHE:HD1	8	0.3
(1,1134)	1:49:B:ALA:HA	1:84:B:PHE:HD2	8	0.3
(1,1115)	1:92:B:LEU:HD21	1:82:A:ARG:H	9	0.3
(1,1115)	1:92:B:LEU:HD22	1:82:A:ARG:H	9	0.3
(1,1115)	1:92:B:LEU:HD23	1:82:A:ARG:H	9	0.3
(1,1115)	1:92:B:LEU:HD21	1:82:A:ARG:H	19	0.3
(1,1115)	1:92:B:LEU:HD22	1:82:A:ARG:H	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1115)	1:92:B:LEU:HD23	1:82:A:ARG:H	19	0.3
(1,1114)	1:92:A:LEU:HD21	1:82:B:ARG:H	3	0.3
(1,1114)	1:92:A:LEU:HD22	1:82:B:ARG:H	3	0.3
(1,1114)	1:92:A:LEU:HD23	1:82:B:ARG:H	3	0.3
(1,1061)	1:81:A:LEU:H	1:81:A:LEU:HD21	10	0.3
(1,1061)	1:81:A:LEU:H	1:81:A:LEU:HD22	10	0.3
(1,1061)	1:81:A:LEU:H	1:81:A:LEU:HD23	10	0.3
(1,1056)	1:46:B:LEU:H	1:43:B:PRO:HD3	19	0.3
(1,1051)	1:70:B:GLY:H	1:69:B:TRP:HE3	6	0.3
(1,1050)	1:70:A:GLY:H	1:69:A:TRP:HE3	6	0.3
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG21	20	0.3
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG22	20	0.3
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG23	20	0.3
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG21	5	0.3
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG22	5	0.3
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG23	5	0.3
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG21	16	0.3
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG22	16	0.3
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG23	16	0.3
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG21	20	0.3
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG22	20	0.3
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG23	20	0.3
(1,1035)	1:57:A:LEU:HD11	1:45:B:LYS:H	19	0.3
(1,1035)	1:57:A:LEU:HD12	1:45:B:LYS:H	19	0.3
(1,1035)	1:57:A:LEU:HD13	1:45:B:LYS:H	19	0.3
(1,1034)	1:57:B:LEU:HD11	1:45:A:LYS:H	19	0.3
(1,1034)	1:57:B:LEU:HD12	1:45:A:LYS:H	19	0.3
(1,1034)	1:57:B:LEU:HD13	1:45:A:LYS:H	19	0.3
(1,980)	1:25:A:THR:HG21	1:27:A:GLN:H	10	0.3
(1,980)	1:25:A:THR:HG22	1:27:A:GLN:H	10	0.3
(1,980)	1:25:A:THR:HG23	1:27:A:GLN:H	10	0.3
(1,979)	1:25:B:THR:HG21	1:27:B:GLN:H	10	0.3
(1,979)	1:25:B:THR:HG22	1:27:B:GLN:H	10	0.3
(1,979)	1:25:B:THR:HG23	1:27:B:GLN:H	10	0.3
(1,961)	1:86:A:LYS:HD3	1:86:A:LYS:HB3	5	0.3
(1,961)	1:86:A:LYS:HD3	1:86:A:LYS:HB3	8	0.3
(1,961)	1:86:A:LYS:HD3	1:86:A:LYS:HB3	10	0.3
(1,961)	1:86:A:LYS:HD3	1:86:A:LYS:HB3	16	0.3
(1,908)	1:28:B:GLN:HA	1:31:B:LYS:HG3	1	0.3
(1,907)	1:28:A:GLN:HA	1:31:A:LYS:HG3	1	0.3
(1,854)	1:81:A:LEU:H	1:79:A:ASN:H	15	0.3
(1,854)	1:81:A:LEU:H	1:79:A:ASN:H	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,854)	1:81:A:LEU:H	1:79:A:ASN:H	18	0.3
(1,853)	1:81:B:LEU:H	1:79:B:ASN:H	15	0.3
(1,853)	1:81:B:LEU:H	1:79:B:ASN:H	17	0.3
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG21	14	0.3
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG22	14	0.3
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG23	14	0.3
(1,823)	1:63:A:ALA:HA	1:67:A:LYS:HD3	6	0.3
(1,797)	1:59:A:ILE:HB	1:60:A:PRO:HD3	5	0.3
(1,788)	1:57:B:LEU:HD21	1:49:A:ALA:H	8	0.3
(1,788)	1:57:B:LEU:HD22	1:49:A:ALA:H	8	0.3
(1,788)	1:57:B:LEU:HD23	1:49:A:ALA:H	8	0.3
(1,763)	1:51:A:VAL:HG21	1:52:A:ALA:H	5	0.3
(1,763)	1:51:A:VAL:HG22	1:52:A:ALA:H	5	0.3
(1,763)	1:51:A:VAL:HG23	1:52:A:ALA:H	5	0.3
(1,763)	1:51:A:VAL:HG21	1:52:A:ALA:H	10	0.3
(1,763)	1:51:A:VAL:HG22	1:52:A:ALA:H	10	0.3
(1,763)	1:51:A:VAL:HG23	1:52:A:ALA:H	10	0.3
(1,763)	1:51:A:VAL:HG21	1:52:A:ALA:H	18	0.3
(1,763)	1:51:A:VAL:HG22	1:52:A:ALA:H	18	0.3
(1,763)	1:51:A:VAL:HG23	1:52:A:ALA:H	18	0.3
(1,762)	1:51:B:VAL:HG21	1:52:B:ALA:H	5	0.3
(1,762)	1:51:B:VAL:HG22	1:52:B:ALA:H	5	0.3
(1,762)	1:51:B:VAL:HG23	1:52:B:ALA:H	5	0.3
(1,762)	1:51:B:VAL:HG21	1:52:B:ALA:H	10	0.3
(1,762)	1:51:B:VAL:HG22	1:52:B:ALA:H	10	0.3
(1,762)	1:51:B:VAL:HG23	1:52:B:ALA:H	10	0.3
(1,762)	1:51:B:VAL:HG21	1:52:B:ALA:H	18	0.3
(1,762)	1:51:B:VAL:HG22	1:52:B:ALA:H	18	0.3
(1,762)	1:51:B:VAL:HG23	1:52:B:ALA:H	18	0.3
(1,717)	1:44:B:LEU:HD21	1:73:B:LYS:H	10	0.3
(1,717)	1:44:B:LEU:HD22	1:73:B:LYS:H	10	0.3
(1,717)	1:44:B:LEU:HD23	1:73:B:LYS:H	10	0.3
(1,717)	1:44:B:LEU:HD21	1:73:B:LYS:H	16	0.3
(1,717)	1:44:B:LEU:HD22	1:73:B:LYS:H	16	0.3
(1,717)	1:44:B:LEU:HD23	1:73:B:LYS:H	16	0.3
(1,716)	1:44:A:LEU:HD21	1:73:A:LYS:H	10	0.3
(1,716)	1:44:A:LEU:HD22	1:73:A:LYS:H	10	0.3
(1,716)	1:44:A:LEU:HD23	1:73:A:LYS:H	10	0.3
(1,716)	1:44:A:LEU:HD21	1:73:A:LYS:H	16	0.3
(1,716)	1:44:A:LEU:HD22	1:73:A:LYS:H	16	0.3
(1,716)	1:44:A:LEU:HD23	1:73:A:LYS:H	16	0.3
(1,681)	1:38:B:LEU:HA	1:38:B:LEU:HG	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,663)	1:62:A:THR:H	1:66:A:LEU:H	13	0.3
(1,663)	1:62:A:THR:H	1:66:A:LEU:H	15	0.3
(1,662)	1:62:B:THR:H	1:66:B:LEU:H	13	0.3
(1,662)	1:62:B:THR:H	1:66:B:LEU:H	15	0.3
(1,551)	1:25:A:THR:H	1:29:A:LEU:H	7	0.3
(1,550)	1:25:B:THR:H	1:29:B:LEU:H	7	0.3
(1,516)	1:79:A:ASN:H	1:77:A:ALA:H	6	0.3
(1,515)	1:79:B:ASN:H	1:77:B:ALA:H	6	0.3
(1,514)	1:26:B:VAL:HA	1:28:B:GLN:H	3	0.3
(1,457)	1:26:A:VAL:HA	1:22:A:ARG:HG2	1	0.3
(1,457)	1:26:A:VAL:HA	1:22:A:ARG:HG2	15	0.3
(1,418)	1:57:A:LEU:HD11	1:59:A:ILE:H	3	0.3
(1,418)	1:57:A:LEU:HD12	1:59:A:ILE:H	3	0.3
(1,418)	1:57:A:LEU:HD13	1:59:A:ILE:H	3	0.3
(1,417)	1:57:B:LEU:HD21	1:59:B:ILE:H	20	0.3
(1,417)	1:57:B:LEU:HD22	1:59:B:ILE:H	20	0.3
(1,417)	1:57:B:LEU:HD23	1:59:B:ILE:H	20	0.3
(1,341)	1:75:A:SER:H	1:75:A:SER:HB2	14	0.3
(1,340)	1:75:B:SER:H	1:75:B:SER:HB2	14	0.3
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG2	7	0.3
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG2	7	0.3
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG2	7	0.3
(1,178)	1:57:B:LEU:HD21	1:46:A:LEU:H	2	0.3
(1,178)	1:57:B:LEU:HD22	1:46:A:LEU:H	2	0.3
(1,178)	1:57:B:LEU:HD23	1:46:A:LEU:H	2	0.3
(1,155)	1:71:B:THR:HG21	1:42:B:GLY:HA2	19	0.3
(1,155)	1:71:B:THR:HG22	1:42:B:GLY:HA2	19	0.3
(1,155)	1:71:B:THR:HG23	1:42:B:GLY:HA2	19	0.3
(1,154)	1:71:A:THR:HG21	1:42:A:GLY:HA2	19	0.3
(1,154)	1:71:A:THR:HG22	1:42:A:GLY:HA2	19	0.3
(1,154)	1:71:A:THR:HG23	1:42:A:GLY:HA2	19	0.3
(1,153)	1:95:A:LEU:HD21	1:72:B:ILE:HG12	7	0.3
(1,153)	1:95:A:LEU:HD22	1:72:B:ILE:HG12	7	0.3
(1,153)	1:95:A:LEU:HD23	1:72:B:ILE:HG12	7	0.3
(1,146)	1:69:A:TRP:HH2	1:95:B:LEU:H	14	0.3
(1,56)	1:49:A:ALA:HB1	1:56:B:PHE:HE1	1	0.3
(1,56)	1:49:A:ALA:HB1	1:56:B:PHE:HE2	1	0.3
(1,56)	1:49:A:ALA:HB2	1:56:B:PHE:HE1	1	0.3
(1,56)	1:49:A:ALA:HB2	1:56:B:PHE:HE2	1	0.3
(1,56)	1:49:A:ALA:HB3	1:56:B:PHE:HE1	1	0.3
(1,56)	1:49:A:ALA:HB3	1:56:B:PHE:HE2	1	0.3
(1,43)	1:69:A:TRP:HZ2	1:94:B:ILE:HB	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:95:B:LEU:HD11	1:74:A:LYS:HA	11	0.3
(1,30)	1:95:B:LEU:HD12	1:74:A:LYS:HA	11	0.3
(1,30)	1:95:B:LEU:HD13	1:74:A:LYS:HA	11	0.3
(1,2)	1:57:B:LEU:HD11	1:45:A:LYS:H	19	0.3
(1,2)	1:57:B:LEU:HD12	1:45:A:LYS:H	19	0.3
(1,2)	1:57:B:LEU:HD13	1:45:A:LYS:H	19	0.3
(1,1)	1:57:A:LEU:HD11	1:45:B:LYS:H	19	0.3
(1,1)	1:57:A:LEU:HD12	1:45:B:LYS:H	19	0.3
(1,1)	1:57:A:LEU:HD13	1:45:B:LYS:H	19	0.3
(2,346)	1:90:B:ARG:H	1:90:B:ARG:HG3	9	0.29
(2,346)	1:90:B:ARG:H	1:90:B:ARG:HG3	18	0.29
(2,346)	1:90:B:ARG:H	1:90:B:ARG:HG3	20	0.29
(2,313)	1:49:B:ALA:HB1	1:48:B:MET:HG2	2	0.29
(2,313)	1:49:B:ALA:HB2	1:48:B:MET:HG2	2	0.29
(2,313)	1:49:B:ALA:HB3	1:48:B:MET:HG2	2	0.29
(2,279)	1:47:A:PHE:HD1	1:41:A:ARG:HD2	19	0.29
(2,279)	1:47:A:PHE:HD2	1:41:A:ARG:HD2	19	0.29
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG2	7	0.29
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG2	7	0.29
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG2	7	0.29
(2,164)	1:81:B:LEU:H	1:84:B:PHE:HB2	19	0.29
(2,152)	1:48:A:MET:H	1:48:A:MET:HG3	1	0.29
(1,3479)	1:87:A:GLU:HA	1:89:A:GLY:HA2	16	0.29
(1,3471)	1:28:A:GLN:HE21	1:25:A:THR:HA	3	0.29
(1,3470)	1:28:B:GLN:HE21	1:25:B:THR:HA	3	0.29
(1,3455)	1:90:B:ARG:HA	1:92:B:LEU:H	7	0.29
(1,3455)	1:90:B:ARG:HA	1:92:B:LEU:H	11	0.29
(1,3454)	1:90:A:ARG:HA	1:92:A:LEU:H	11	0.29
(1,3387)	1:77:B:ALA:HB1	1:95:A:LEU:HB2	2	0.29
(1,3387)	1:77:B:ALA:HB2	1:95:A:LEU:HB2	2	0.29
(1,3387)	1:77:B:ALA:HB3	1:95:A:LEU:HB2	2	0.29
(1,3387)	1:77:B:ALA:HB1	1:95:A:LEU:HB2	16	0.29
(1,3387)	1:77:B:ALA:HB2	1:95:A:LEU:HB2	16	0.29
(1,3387)	1:77:B:ALA:HB3	1:95:A:LEU:HB2	16	0.29
(1,3382)	1:87:B:GLU:HB3	1:55:A:ARG:HG3	19	0.29
(1,3375)	1:94:A:ILE:HD11	1:66:B:LEU:HA	6	0.29
(1,3375)	1:94:A:ILE:HD12	1:66:B:LEU:HA	6	0.29
(1,3375)	1:94:A:ILE:HD13	1:66:B:LEU:HA	6	0.29
(1,3319)	1:71:A:THR:HG21	1:44:A:LEU:HA	4	0.29
(1,3319)	1:71:A:THR:HG22	1:44:A:LEU:HA	4	0.29
(1,3319)	1:71:A:THR:HG23	1:44:A:LEU:HA	4	0.29
(1,3318)	1:71:B:THR:HG21	1:44:B:LEU:HA	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3318)	1:71:B:THR:HG22	1:44:B:LEU:HA	4	0.29
(1,3318)	1:71:B:THR:HG23	1:44:B:LEU:HA	4	0.29
(1,3297)	1:30:B:THR:HG21	1:28:B:GLN:HA	17	0.29
(1,3297)	1:30:B:THR:HG22	1:28:B:GLN:HA	17	0.29
(1,3297)	1:30:B:THR:HG23	1:28:B:GLN:HA	17	0.29
(1,3296)	1:30:A:THR:HG21	1:28:A:GLN:HA	17	0.29
(1,3296)	1:30:A:THR:HG22	1:28:A:GLN:HA	17	0.29
(1,3296)	1:30:A:THR:HG23	1:28:A:GLN:HA	17	0.29
(1,3288)	1:97:A:ARG:H	1:98:A:ARG:HD3	7	0.29
(1,3287)	1:97:B:ARG:H	1:98:B:ARG:HD3	7	0.29
(1,3280)	1:88:B:ILE:HG12	1:52:A:ALA:HA	16	0.29
(1,3253)	1:49:B:ALA:HB1	1:53:B:PHE:H	15	0.29
(1,3253)	1:49:B:ALA:HB2	1:53:B:PHE:H	15	0.29
(1,3253)	1:49:B:ALA:HB3	1:53:B:PHE:H	15	0.29
(1,3253)	1:49:B:ALA:HB1	1:53:B:PHE:H	19	0.29
(1,3253)	1:49:B:ALA:HB2	1:53:B:PHE:H	19	0.29
(1,3253)	1:49:B:ALA:HB3	1:53:B:PHE:H	19	0.29
(1,3252)	1:49:A:ALA:HB1	1:53:A:PHE:H	11	0.29
(1,3252)	1:49:A:ALA:HB2	1:53:A:PHE:H	11	0.29
(1,3252)	1:49:A:ALA:HB3	1:53:A:PHE:H	11	0.29
(1,3252)	1:49:A:ALA:HB1	1:53:A:PHE:H	15	0.29
(1,3252)	1:49:A:ALA:HB2	1:53:A:PHE:H	15	0.29
(1,3252)	1:49:A:ALA:HB3	1:53:A:PHE:H	15	0.29
(1,3252)	1:49:A:ALA:HB1	1:53:A:PHE:H	19	0.29
(1,3252)	1:49:A:ALA:HB2	1:53:A:PHE:H	19	0.29
(1,3252)	1:49:A:ALA:HB3	1:53:A:PHE:H	19	0.29
(1,3190)	1:66:B:LEU:HD21	1:60:B:PRO:HA	19	0.29
(1,3190)	1:66:B:LEU:HD22	1:60:B:PRO:HA	19	0.29
(1,3190)	1:66:B:LEU:HD23	1:60:B:PRO:HA	19	0.29
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD11	6	0.29
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD12	6	0.29
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD13	6	0.29
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD11	6	0.29
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD12	6	0.29
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD13	6	0.29
(1,3009)	1:23:A:VAL:HB	1:22:A:ARG:HB3	14	0.29
(1,3008)	1:23:B:VAL:HB	1:22:B:ARG:HB3	16	0.29
(1,2966)	1:80:A:VAL:HG21	1:84:A:PHE:HB2	6	0.29
(1,2966)	1:80:A:VAL:HG22	1:84:A:PHE:HB2	6	0.29
(1,2966)	1:80:A:VAL:HG23	1:84:A:PHE:HB2	6	0.29
(1,2943)	1:71:A:THR:H	1:44:A:LEU:HD11	18	0.29
(1,2943)	1:71:A:THR:H	1:44:A:LEU:HD12	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2943)	1:71:A:THR:H	1:44:A:LEU:HD13	18	0.29
(1,2942)	1:71:B:THR:H	1:44:B:LEU:HD11	18	0.29
(1,2942)	1:71:B:THR:H	1:44:B:LEU:HD12	18	0.29
(1,2942)	1:71:B:THR:H	1:44:B:LEU:HD13	18	0.29
(1,2826)	1:51:A:VAL:HG21	1:55:A:ARG:HD3	15	0.29
(1,2826)	1:51:A:VAL:HG22	1:55:A:ARG:HD3	15	0.29
(1,2826)	1:51:A:VAL:HG23	1:55:A:ARG:HD3	15	0.29
(1,2825)	1:51:B:VAL:HG21	1:55:B:ARG:HD3	15	0.29
(1,2825)	1:51:B:VAL:HG22	1:55:B:ARG:HD3	15	0.29
(1,2825)	1:51:B:VAL:HG23	1:55:B:ARG:HD3	15	0.29
(1,2809)	1:23:A:VAL:HG21	1:24:A:SER:HA	5	0.29
(1,2809)	1:23:A:VAL:HG22	1:24:A:SER:HA	5	0.29
(1,2809)	1:23:A:VAL:HG23	1:24:A:SER:HA	5	0.29
(1,2807)	1:23:A:VAL:HG21	1:24:A:SER:HA	5	0.29
(1,2807)	1:23:A:VAL:HG22	1:24:A:SER:HA	5	0.29
(1,2807)	1:23:A:VAL:HG23	1:24:A:SER:HA	5	0.29
(1,2806)	1:23:B:VAL:HG21	1:24:B:SER:HA	16	0.29
(1,2806)	1:23:B:VAL:HG22	1:24:B:SER:HA	16	0.29
(1,2806)	1:23:B:VAL:HG23	1:24:B:SER:HA	16	0.29
(1,2793)	1:42:A:GLY:HA2	1:41:A:ARG:HB3	10	0.29
(1,2792)	1:42:B:GLY:HA2	1:41:B:ARG:HB3	10	0.29
(1,2783)	1:49:A:ALA:HB1	1:48:A:MET:HG2	2	0.29
(1,2783)	1:49:A:ALA:HB2	1:48:A:MET:HG2	2	0.29
(1,2783)	1:49:A:ALA:HB3	1:48:A:MET:HG2	2	0.29
(1,2726)	1:80:A:VAL:HG21	1:45:A:LYS:HB2	18	0.29
(1,2726)	1:80:A:VAL:HG22	1:45:A:LYS:HB2	18	0.29
(1,2726)	1:80:A:VAL:HG23	1:45:A:LYS:HB2	18	0.29
(1,2722)	1:65:B:ILE:HD11	1:25:B:THR:HA	12	0.29
(1,2722)	1:65:B:ILE:HD12	1:25:B:THR:HA	12	0.29
(1,2722)	1:65:B:ILE:HD13	1:25:B:THR:HA	12	0.29
(1,2721)	1:65:A:ILE:HD11	1:25:A:THR:HA	12	0.29
(1,2721)	1:65:A:ILE:HD12	1:25:A:THR:HA	12	0.29
(1,2721)	1:65:A:ILE:HD13	1:25:A:THR:HA	12	0.29
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD1	20	0.29
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD2	20	0.29
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD1	20	0.29
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD2	20	0.29
(1,2701)	1:30:A:THR:HG21	1:27:A:GLN:HG3	5	0.29
(1,2701)	1:30:A:THR:HG22	1:27:A:GLN:HG3	5	0.29
(1,2701)	1:30:A:THR:HG23	1:27:A:GLN:HG3	5	0.29
(1,2675)	1:69:B:TRP:HH2	1:47:B:PHE:HE1	14	0.29
(1,2675)	1:69:B:TRP:HH2	1:47:B:PHE:HE2	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2674)	1:69:A:TRP:HH2	1:47:A:PHE:HE1	14	0.29
(1,2674)	1:69:A:TRP:HH2	1:47:A:PHE:HE2	14	0.29
(1,2669)	1:88:B:ILE:HA	1:52:A:ALA:HA	16	0.29
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD11	2	0.29
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD12	2	0.29
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD13	2	0.29
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD11	15	0.29
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD12	15	0.29
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD13	15	0.29
(1,2604)	1:82:A:ARG:HA	1:85:A:ARG:HD3	12	0.29
(1,2603)	1:82:B:ARG:HA	1:85:B:ARG:HD3	12	0.29
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG21	2	0.29
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG22	2	0.29
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG23	2	0.29
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG21	2	0.29
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG22	2	0.29
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG23	2	0.29
(1,2517)	1:80:A:VAL:HG21	1:84:A:PHE:H	18	0.29
(1,2517)	1:80:A:VAL:HG22	1:84:A:PHE:H	18	0.29
(1,2517)	1:80:A:VAL:HG23	1:84:A:PHE:H	18	0.29
(1,2421)	1:45:B:LYS:HE2	1:56:A:PHE:HA	12	0.29
(1,2368)	1:54:B:LEU:HG	1:51:B:VAL:HA	5	0.29
(1,2324)	1:78:A:ILE:HA	1:92:B:LEU:HA	8	0.29
(1,2255)	1:57:B:LEU:HD11	1:45:A:LYS:HE3	15	0.29
(1,2255)	1:57:B:LEU:HD12	1:45:A:LYS:HE3	15	0.29
(1,2255)	1:57:B:LEU:HD13	1:45:A:LYS:HE3	15	0.29
(1,2149)	1:79:B:ASN:H	1:76:B:LYS:HA	12	0.29
(1,2148)	1:79:A:ASN:H	1:76:A:LYS:HA	12	0.29
(1,2058)	1:49:B:ALA:H	1:52:B:ALA:H	3	0.29
(1,2058)	1:49:B:ALA:H	1:52:B:ALA:H	9	0.29
(1,2057)	1:49:A:ALA:H	1:52:A:ALA:H	3	0.29
(1,2057)	1:49:A:ALA:H	1:52:A:ALA:H	9	0.29
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD21	6	0.29
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD22	6	0.29
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD23	6	0.29
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD21	6	0.29
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD22	6	0.29
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD23	6	0.29
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD21	6	0.29
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD22	6	0.29
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD23	6	0.29
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD21	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD22	6	0.29
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD23	6	0.29
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD21	6	0.29
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD22	6	0.29
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD23	6	0.29
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD21	6	0.29
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD22	6	0.29
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD23	6	0.29
(1,1904)	1:57:B:LEU:HD11	1:57:B:LEU:H	8	0.29
(1,1904)	1:57:B:LEU:HD12	1:57:B:LEU:H	8	0.29
(1,1904)	1:57:B:LEU:HD13	1:57:B:LEU:H	8	0.29
(1,1903)	1:57:A:LEU:HD11	1:57:A:LEU:H	8	0.29
(1,1903)	1:57:A:LEU:HD12	1:57:A:LEU:H	8	0.29
(1,1903)	1:57:A:LEU:HD13	1:57:A:LEU:H	8	0.29
(1,1858)	1:62:B:THR:HB	1:63:B:ALA:H	9	0.29
(1,1845)	1:51:B:VAL:HA	1:54:B:LEU:HB2	3	0.29
(1,1844)	1:51:A:VAL:HA	1:54:A:LEU:HB2	3	0.29
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD11	4	0.29
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD12	4	0.29
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD13	4	0.29
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD11	4	0.29
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD12	4	0.29
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD13	4	0.29
(1,1836)	1:65:B:ILE:HG21	1:51:B:VAL:HA	12	0.29
(1,1836)	1:65:B:ILE:HG22	1:51:B:VAL:HA	12	0.29
(1,1836)	1:65:B:ILE:HG23	1:51:B:VAL:HA	12	0.29
(1,1835)	1:65:A:ILE:HG21	1:51:A:VAL:HA	12	0.29
(1,1835)	1:65:A:ILE:HG22	1:51:A:VAL:HA	12	0.29
(1,1835)	1:65:A:ILE:HG23	1:51:A:VAL:HA	12	0.29
(1,1798)	1:84:A:PHE:HD1	1:85:B:ARG:HA	1	0.29
(1,1798)	1:84:A:PHE:HD2	1:85:B:ARG:HA	1	0.29
(1,1748)	1:88:A:ILE:HG21	1:86:A:LYS:H	2	0.29
(1,1748)	1:88:A:ILE:HG22	1:86:A:LYS:H	2	0.29
(1,1748)	1:88:A:ILE:HG23	1:86:A:LYS:H	2	0.29
(1,1748)	1:88:A:ILE:HG21	1:86:A:LYS:H	17	0.29
(1,1748)	1:88:A:ILE:HG22	1:86:A:LYS:H	17	0.29
(1,1748)	1:88:A:ILE:HG23	1:86:A:LYS:H	17	0.29
(1,1747)	1:88:B:ILE:HG21	1:86:B:LYS:H	2	0.29
(1,1747)	1:88:B:ILE:HG22	1:86:B:LYS:H	2	0.29
(1,1747)	1:88:B:ILE:HG23	1:86:B:LYS:H	2	0.29
(1,1747)	1:88:B:ILE:HG21	1:86:B:LYS:H	17	0.29
(1,1747)	1:88:B:ILE:HG22	1:86:B:LYS:H	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1747)	1:88:B:ILE:HG23	1:86:B:LYS:H	17	0.29
(1,1702)	1:84:A:PHE:HA	1:87:A:GLU:H	2	0.29
(1,1701)	1:84:B:PHE:HA	1:87:B:GLU:H	2	0.29
(1,1698)	1:81:A:LEU:H	1:84:A:PHE:HB2	9	0.29
(1,1698)	1:81:A:LEU:H	1:84:A:PHE:HB2	19	0.29
(1,1662)	1:78:B:ILE:HG21	1:79:B:ASN:HD21	7	0.29
(1,1662)	1:78:B:ILE:HG22	1:79:B:ASN:HD21	7	0.29
(1,1662)	1:78:B:ILE:HG23	1:79:B:ASN:HD21	7	0.29
(1,1652)	1:69:A:TRP:HA	1:67:A:LYS:H	9	0.29
(1,1646)	1:51:A:VAL:HG11	1:65:A:ILE:HG21	2	0.29
(1,1646)	1:51:A:VAL:HG11	1:65:A:ILE:HG22	2	0.29
(1,1646)	1:51:A:VAL:HG11	1:65:A:ILE:HG23	2	0.29
(1,1646)	1:51:A:VAL:HG12	1:65:A:ILE:HG21	2	0.29
(1,1646)	1:51:A:VAL:HG12	1:65:A:ILE:HG22	2	0.29
(1,1646)	1:51:A:VAL:HG12	1:65:A:ILE:HG23	2	0.29
(1,1646)	1:51:A:VAL:HG13	1:65:A:ILE:HG21	2	0.29
(1,1646)	1:51:A:VAL:HG13	1:65:A:ILE:HG22	2	0.29
(1,1646)	1:51:A:VAL:HG13	1:65:A:ILE:HG23	2	0.29
(1,1636)	1:28:A:GLN:H	1:24:A:SER:H	11	0.29
(1,1500)	1:65:A:ILE:HD11	1:66:A:LEU:H	1	0.29
(1,1500)	1:65:A:ILE:HD12	1:66:A:LEU:H	1	0.29
(1,1500)	1:65:A:ILE:HD13	1:66:A:LEU:H	1	0.29
(1,1500)	1:65:A:ILE:HD11	1:66:A:LEU:H	13	0.29
(1,1500)	1:65:A:ILE:HD12	1:66:A:LEU:H	13	0.29
(1,1500)	1:65:A:ILE:HD13	1:66:A:LEU:H	13	0.29
(1,1499)	1:65:B:ILE:HD11	1:66:B:LEU:H	1	0.29
(1,1499)	1:65:B:ILE:HD12	1:66:B:LEU:H	1	0.29
(1,1499)	1:65:B:ILE:HD13	1:66:B:LEU:H	1	0.29
(1,1499)	1:65:B:ILE:HD11	1:66:B:LEU:H	13	0.29
(1,1499)	1:65:B:ILE:HD12	1:66:B:LEU:H	13	0.29
(1,1499)	1:65:B:ILE:HD13	1:66:B:LEU:H	13	0.29
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG11	1	0.29
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG12	1	0.29
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG13	1	0.29
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG11	10	0.29
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG12	10	0.29
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG13	10	0.29
(1,1435)	1:57:B:LEU:HD11	1:57:B:LEU:H	9	0.29
(1,1435)	1:57:B:LEU:HD12	1:57:B:LEU:H	9	0.29
(1,1435)	1:57:B:LEU:HD13	1:57:B:LEU:H	9	0.29
(1,1434)	1:57:A:LEU:HD11	1:57:A:LEU:H	6	0.29
(1,1434)	1:57:A:LEU:HD12	1:57:A:LEU:H	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1434)	1:57:A:LEU:HD13	1:57:A:LEU:H	6	0.29
(1,1433)	1:57:A:LEU:HD11	1:57:A:LEU:H	6	0.29
(1,1433)	1:57:A:LEU:HD12	1:57:A:LEU:H	6	0.29
(1,1433)	1:57:A:LEU:HD13	1:57:A:LEU:H	6	0.29
(1,1422)	1:44:A:LEU:HD11	1:72:A:ILE:HA	4	0.29
(1,1422)	1:44:A:LEU:HD12	1:72:A:ILE:HA	4	0.29
(1,1422)	1:44:A:LEU:HD13	1:72:A:ILE:HA	4	0.29
(1,1195)	1:42:A:GLY:HA2	1:43:A:PRO:HG3	3	0.29
(1,1194)	1:42:B:GLY:HA2	1:43:B:PRO:HG3	3	0.29
(1,1115)	1:92:B:LEU:HD21	1:82:A:ARG:H	7	0.29
(1,1115)	1:92:B:LEU:HD22	1:82:A:ARG:H	7	0.29
(1,1115)	1:92:B:LEU:HD23	1:82:A:ARG:H	7	0.29
(1,1057)	1:46:A:LEU:H	1:43:A:PRO:HD3	19	0.29
(1,1051)	1:70:B:GLY:H	1:69:B:TRP:HE3	5	0.29
(1,1050)	1:70:A:GLY:H	1:69:A:TRP:HE3	5	0.29
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG21	5	0.29
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG22	5	0.29
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG23	5	0.29
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG21	16	0.29
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG22	16	0.29
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG23	16	0.29
(1,927)	1:80:A:VAL:HG21	1:45:A:LYS:HG3	16	0.29
(1,927)	1:80:A:VAL:HG22	1:45:A:LYS:HG3	16	0.29
(1,927)	1:80:A:VAL:HG23	1:45:A:LYS:HG3	16	0.29
(1,854)	1:81:A:LEU:H	1:79:A:ASN:H	10	0.29
(1,853)	1:81:B:LEU:H	1:79:B:ASN:H	10	0.29
(1,853)	1:81:B:LEU:H	1:79:B:ASN:H	18	0.29
(1,850)	1:95:B:LEU:H	1:93:B:ASN:HA	17	0.29
(1,849)	1:95:A:LEU:H	1:93:A:ASN:HA	15	0.29
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG21	14	0.29
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG22	14	0.29
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG23	14	0.29
(1,796)	1:59:B:ILE:HB	1:60:B:PRO:HD3	5	0.29
(1,787)	1:57:A:LEU:HD21	1:49:B:ALA:H	17	0.29
(1,787)	1:57:A:LEU:HD22	1:49:B:ALA:H	17	0.29
(1,787)	1:57:A:LEU:HD23	1:49:B:ALA:H	17	0.29
(1,767)	1:25:B:THR:HG21	1:54:B:LEU:HG	12	0.29
(1,767)	1:25:B:THR:HG22	1:54:B:LEU:HG	12	0.29
(1,767)	1:25:B:THR:HG23	1:54:B:LEU:HG	12	0.29
(1,766)	1:25:A:THR:HG21	1:54:A:LEU:HG	12	0.29
(1,766)	1:25:A:THR:HG22	1:54:A:LEU:HG	12	0.29
(1,766)	1:25:A:THR:HG23	1:54:A:LEU:HG	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:51:A:VAL:HG21	1:52:A:ALA:H	17	0.29
(1,763)	1:51:A:VAL:HG22	1:52:A:ALA:H	17	0.29
(1,763)	1:51:A:VAL:HG23	1:52:A:ALA:H	17	0.29
(1,762)	1:51:B:VAL:HG21	1:52:B:ALA:H	17	0.29
(1,762)	1:51:B:VAL:HG22	1:52:B:ALA:H	17	0.29
(1,762)	1:51:B:VAL:HG23	1:52:B:ALA:H	17	0.29
(1,742)	1:77:B:ALA:H	1:80:B:VAL:H	7	0.29
(1,742)	1:77:B:ALA:H	1:80:B:VAL:H	9	0.29
(1,741)	1:77:A:ALA:H	1:80:A:VAL:H	9	0.29
(1,721)	1:58:B:THR:HG21	1:59:B:ILE:HD11	19	0.29
(1,721)	1:58:B:THR:HG21	1:59:B:ILE:HD12	19	0.29
(1,721)	1:58:B:THR:HG21	1:59:B:ILE:HD13	19	0.29
(1,721)	1:58:B:THR:HG22	1:59:B:ILE:HD11	19	0.29
(1,721)	1:58:B:THR:HG22	1:59:B:ILE:HD12	19	0.29
(1,721)	1:58:B:THR:HG22	1:59:B:ILE:HD13	19	0.29
(1,721)	1:58:B:THR:HG23	1:59:B:ILE:HD11	19	0.29
(1,721)	1:58:B:THR:HG23	1:59:B:ILE:HD12	19	0.29
(1,721)	1:58:B:THR:HG23	1:59:B:ILE:HD13	19	0.29
(1,720)	1:58:A:THR:HG21	1:59:A:ILE:HD11	19	0.29
(1,720)	1:58:A:THR:HG21	1:59:A:ILE:HD12	19	0.29
(1,720)	1:58:A:THR:HG21	1:59:A:ILE:HD13	19	0.29
(1,720)	1:58:A:THR:HG22	1:59:A:ILE:HD11	19	0.29
(1,720)	1:58:A:THR:HG22	1:59:A:ILE:HD12	19	0.29
(1,720)	1:58:A:THR:HG22	1:59:A:ILE:HD13	19	0.29
(1,720)	1:58:A:THR:HG23	1:59:A:ILE:HD11	19	0.29
(1,720)	1:58:A:THR:HG23	1:59:A:ILE:HD12	19	0.29
(1,720)	1:58:A:THR:HG23	1:59:A:ILE:HD13	19	0.29
(1,711)	1:66:B:LEU:H	1:64:B:GLY:H	14	0.29
(1,710)	1:66:A:LEU:H	1:64:A:GLY:H	14	0.29
(1,675)	1:62:A:THR:HG21	1:26:A:VAL:HA	2	0.29
(1,675)	1:62:A:THR:HG22	1:26:A:VAL:HA	2	0.29
(1,675)	1:62:A:THR:HG23	1:26:A:VAL:HA	2	0.29
(1,674)	1:62:B:THR:HG21	1:26:B:VAL:HA	2	0.29
(1,674)	1:62:B:THR:HG22	1:26:B:VAL:HA	2	0.29
(1,674)	1:62:B:THR:HG23	1:26:B:VAL:HA	2	0.29
(1,534)	1:92:B:LEU:HD11	1:82:A:ARG:HA	10	0.29
(1,534)	1:92:B:LEU:HD12	1:82:A:ARG:HA	10	0.29
(1,534)	1:92:B:LEU:HD13	1:82:A:ARG:HA	10	0.29
(1,434)	1:49:B:ALA:HB1	1:57:A:LEU:HB2	10	0.29
(1,434)	1:49:B:ALA:HB2	1:57:A:LEU:HB2	10	0.29
(1,434)	1:49:B:ALA:HB3	1:57:A:LEU:HB2	10	0.29
(1,347)	1:90:A:ARG:H	1:90:A:ARG:HG3	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,347)	1:90:A:ARG:H	1:90:A:ARG:HG3	18	0.29
(1,340)	1:75:B:SER:H	1:75:B:SER:HB2	18	0.29
(1,304)	1:84:B:PHE:HD1	1:87:B:GLU:HB2	16	0.29
(1,304)	1:84:B:PHE:HD2	1:87:B:GLU:HB2	16	0.29
(1,303)	1:84:A:PHE:HD1	1:87:A:GLU:HB2	16	0.29
(1,303)	1:84:A:PHE:HD2	1:87:A:GLU:HB2	16	0.29
(1,291)	1:25:B:THR:HG21	1:26:B:VAL:H	4	0.29
(1,291)	1:25:B:THR:HG22	1:26:B:VAL:H	4	0.29
(1,291)	1:25:B:THR:HG23	1:26:B:VAL:H	4	0.29
(1,290)	1:25:A:THR:HG21	1:26:A:VAL:H	4	0.29
(1,290)	1:25:A:THR:HG22	1:26:A:VAL:H	4	0.29
(1,290)	1:25:A:THR:HG23	1:26:A:VAL:H	4	0.29
(1,229)	1:74:B:LYS:HE3	1:98:A:ARG:HD2	15	0.29
(1,228)	1:74:A:LYS:HE3	1:98:B:ARG:HD2	17	0.29
(1,164)	1:69:B:TRP:HH2	1:95:A:LEU:HG	3	0.29
(1,157)	1:78:A:ILE:HG21	1:96:B:ASN:HD21	3	0.29
(1,157)	1:78:A:ILE:HG22	1:96:B:ASN:HD21	3	0.29
(1,157)	1:78:A:ILE:HG23	1:96:B:ASN:HD21	3	0.29
(1,145)	1:69:B:TRP:HH2	1:95:A:LEU:H	1	0.29
(1,141)	1:69:B:TRP:HZ2	1:95:A:LEU:H	10	0.29
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD21	19	0.29
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD22	19	0.29
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD23	19	0.29
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD21	19	0.29
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD22	19	0.29
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD23	19	0.29
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD21	19	0.29
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD22	19	0.29
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD23	19	0.29
(1,86)	1:69:B:TRP:HH2	1:91:A:MET:HA	19	0.29
(2,348)	1:47:B:PHE:HD1	1:41:B:ARG:HD2	19	0.28
(2,348)	1:47:B:PHE:HD2	1:41:B:ARG:HD2	19	0.28
(2,346)	1:90:B:ARG:H	1:90:B:ARG:HG3	10	0.28
(2,283)	1:93:A:ASN:HD21	1:92:A:LEU:H	10	0.28
(2,152)	1:48:A:MET:H	1:48:A:MET:HG3	17	0.28
(2,98)	1:78:A:ILE:HG21	1:79:A:ASN:HD21	7	0.28
(2,98)	1:78:A:ILE:HG22	1:79:A:ASN:HD21	7	0.28
(2,98)	1:78:A:ILE:HG23	1:79:A:ASN:HD21	7	0.28
(2,97)	1:90:A:ARG:H	1:90:A:ARG:HD3	12	0.28
(2,20)	1:90:B:ARG:H	1:90:B:ARG:HD3	12	0.28
(1,3487)	1:57:A:LEU:HD11	1:45:B:LYS:H	10	0.28
(1,3487)	1:57:A:LEU:HD12	1:45:B:LYS:H	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3487)	1:57:A:LEU:HD13	1:45:B:LYS:H	10	0.28
(1,3455)	1:90:B:ARG:HA	1:92:B:LEU:H	6	0.28
(1,3454)	1:90:A:ARG:HA	1:92:A:LEU:H	7	0.28
(1,3405)	1:77:B:ALA:HB1	1:76:B:LYS:H	14	0.28
(1,3405)	1:77:B:ALA:HB2	1:76:B:LYS:H	14	0.28
(1,3405)	1:77:B:ALA:HB3	1:76:B:LYS:H	14	0.28
(1,3387)	1:77:B:ALA:HB1	1:95:A:LEU:HB2	12	0.28
(1,3387)	1:77:B:ALA:HB2	1:95:A:LEU:HB2	12	0.28
(1,3387)	1:77:B:ALA:HB3	1:95:A:LEU:HB2	12	0.28
(1,3387)	1:77:B:ALA:HB1	1:95:A:LEU:HB2	20	0.28
(1,3387)	1:77:B:ALA:HB2	1:95:A:LEU:HB2	20	0.28
(1,3387)	1:77:B:ALA:HB3	1:95:A:LEU:HB2	20	0.28
(1,3363)	1:51:A:VAL:HG21	1:65:A:ILE:HG13	2	0.28
(1,3363)	1:51:A:VAL:HG22	1:65:A:ILE:HG13	2	0.28
(1,3363)	1:51:A:VAL:HG23	1:65:A:ILE:HG13	2	0.28
(1,3362)	1:51:B:VAL:HG21	1:65:B:ILE:HG13	2	0.28
(1,3362)	1:51:B:VAL:HG22	1:65:B:ILE:HG13	2	0.28
(1,3362)	1:51:B:VAL:HG23	1:65:B:ILE:HG13	2	0.28
(1,3357)	1:84:B:PHE:HD1	1:87:B:GLU:HA	13	0.28
(1,3357)	1:84:B:PHE:HD2	1:87:B:GLU:HA	13	0.28
(1,3356)	1:84:A:PHE:HD1	1:87:A:GLU:HA	13	0.28
(1,3356)	1:84:A:PHE:HD2	1:87:A:GLU:HA	13	0.28
(1,3321)	1:88:B:ILE:HA	1:90:B:ARG:H	16	0.28
(1,3320)	1:88:A:ILE:HA	1:90:A:ARG:H	16	0.28
(1,3280)	1:88:B:ILE:HG12	1:52:A:ALA:HA	5	0.28
(1,3279)	1:88:A:ILE:HG12	1:52:B:ALA:HA	5	0.28
(1,3253)	1:49:B:ALA:HB1	1:53:B:PHE:H	11	0.28
(1,3253)	1:49:B:ALA:HB2	1:53:B:PHE:H	11	0.28
(1,3253)	1:49:B:ALA:HB3	1:53:B:PHE:H	11	0.28
(1,3248)	1:26:A:VAL:HG21	1:27:A:GLN:HG3	13	0.28
(1,3248)	1:26:A:VAL:HG22	1:27:A:GLN:HG3	13	0.28
(1,3248)	1:26:A:VAL:HG23	1:27:A:GLN:HG3	13	0.28
(1,3153)	1:81:B:LEU:HD11	1:69:B:TRP:HZ3	14	0.28
(1,3153)	1:81:B:LEU:HD12	1:69:B:TRP:HZ3	14	0.28
(1,3153)	1:81:B:LEU:HD13	1:69:B:TRP:HZ3	14	0.28
(1,3152)	1:81:A:LEU:HD11	1:69:A:TRP:HZ3	14	0.28
(1,3152)	1:81:A:LEU:HD12	1:69:A:TRP:HZ3	14	0.28
(1,3152)	1:81:A:LEU:HD13	1:69:A:TRP:HZ3	14	0.28
(1,3146)	1:51:B:VAL:HG21	1:69:B:TRP:HZ3	6	0.28
(1,3146)	1:51:B:VAL:HG22	1:69:B:TRP:HZ3	6	0.28
(1,3146)	1:51:B:VAL:HG23	1:69:B:TRP:HZ3	6	0.28
(1,3145)	1:51:A:VAL:HG21	1:69:A:TRP:HZ3	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3145)	1:51:A:VAL:HG22	1:69:A:TRP:HZ3	6	0.28
(1,3145)	1:51:A:VAL:HG23	1:69:A:TRP:HZ3	6	0.28
(1,3086)	1:67:A:LYS:HA	1:67:A:LYS:HD3	8	0.28
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD11	6	0.28
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD12	6	0.28
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD13	6	0.28
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD11	6	0.28
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD12	6	0.28
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD13	6	0.28
(1,3008)	1:23:B:VAL:HB	1:22:B:ARG:HB3	10	0.28
(1,3008)	1:23:B:VAL:HB	1:22:B:ARG:HB3	14	0.28
(1,2977)	1:22:B:ARG:HG2	1:30:B:THR:HB	3	0.28
(1,2966)	1:80:A:VAL:HG21	1:84:A:PHE:HB2	10	0.28
(1,2966)	1:80:A:VAL:HG22	1:84:A:PHE:HB2	10	0.28
(1,2966)	1:80:A:VAL:HG23	1:84:A:PHE:HB2	10	0.28
(1,2966)	1:80:A:VAL:HG21	1:84:A:PHE:HB2	13	0.28
(1,2966)	1:80:A:VAL:HG22	1:84:A:PHE:HB2	13	0.28
(1,2966)	1:80:A:VAL:HG23	1:84:A:PHE:HB2	13	0.28
(1,2806)	1:23:B:VAL:HG21	1:24:B:SER:HA	5	0.28
(1,2806)	1:23:B:VAL:HG22	1:24:B:SER:HA	5	0.28
(1,2806)	1:23:B:VAL:HG23	1:24:B:SER:HA	5	0.28
(1,2789)	1:61:B:PRO:HG2	1:55:B:ARG:HA	17	0.28
(1,2718)	1:63:A:ALA:HB1	1:66:A:LEU:H	15	0.28
(1,2718)	1:63:A:ALA:HB2	1:66:A:LEU:H	15	0.28
(1,2718)	1:63:A:ALA:HB3	1:66:A:LEU:H	15	0.28
(1,2717)	1:63:B:ALA:HB1	1:66:B:LEU:H	9	0.28
(1,2717)	1:63:B:ALA:HB2	1:66:B:LEU:H	9	0.28
(1,2717)	1:63:B:ALA:HB3	1:66:B:LEU:H	9	0.28
(1,2717)	1:63:B:ALA:HB1	1:66:B:LEU:H	15	0.28
(1,2717)	1:63:B:ALA:HB2	1:66:B:LEU:H	15	0.28
(1,2717)	1:63:B:ALA:HB3	1:66:B:LEU:H	15	0.28
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD1	2	0.28
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD2	2	0.28
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD11	7	0.28
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD12	7	0.28
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD13	7	0.28
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD11	19	0.28
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD12	19	0.28
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD13	19	0.28
(1,2517)	1:80:A:VAL:HG21	1:84:A:PHE:H	14	0.28
(1,2517)	1:80:A:VAL:HG22	1:84:A:PHE:H	14	0.28
(1,2517)	1:80:A:VAL:HG23	1:84:A:PHE:H	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2501)	1:100:B:ARG:H	1:99:B:ARG:HA	8	0.28
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD11	17	0.28
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD12	17	0.28
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD13	17	0.28
(1,2367)	1:54:A:LEU:HG	1:51:A:VAL:HA	5	0.28
(1,2242)	1:91:B:MET:HB2	1:93:B:ASN:H	16	0.28
(1,2241)	1:91:A:MET:HB2	1:93:A:ASN:H	16	0.28
(1,2206)	1:65:A:ILE:HD11	1:50:A:LEU:HD11	19	0.28
(1,2206)	1:65:A:ILE:HD11	1:50:A:LEU:HD12	19	0.28
(1,2206)	1:65:A:ILE:HD11	1:50:A:LEU:HD13	19	0.28
(1,2206)	1:65:A:ILE:HD12	1:50:A:LEU:HD11	19	0.28
(1,2206)	1:65:A:ILE:HD12	1:50:A:LEU:HD12	19	0.28
(1,2206)	1:65:A:ILE:HD12	1:50:A:LEU:HD13	19	0.28
(1,2206)	1:65:A:ILE:HD13	1:50:A:LEU:HD11	19	0.28
(1,2206)	1:65:A:ILE:HD13	1:50:A:LEU:HD12	19	0.28
(1,2206)	1:65:A:ILE:HD13	1:50:A:LEU:HD13	19	0.28
(1,2205)	1:65:B:ILE:HD11	1:50:B:LEU:HD11	19	0.28
(1,2205)	1:65:B:ILE:HD11	1:50:B:LEU:HD12	19	0.28
(1,2205)	1:65:B:ILE:HD11	1:50:B:LEU:HD13	19	0.28
(1,2205)	1:65:B:ILE:HD12	1:50:B:LEU:HD11	19	0.28
(1,2205)	1:65:B:ILE:HD12	1:50:B:LEU:HD12	19	0.28
(1,2205)	1:65:B:ILE:HD12	1:50:B:LEU:HD13	19	0.28
(1,2205)	1:65:B:ILE:HD13	1:50:B:LEU:HD11	19	0.28
(1,2205)	1:65:B:ILE:HD13	1:50:B:LEU:HD12	19	0.28
(1,2205)	1:65:B:ILE:HD13	1:50:B:LEU:HD13	19	0.28
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE1	4	0.28
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE2	4	0.28
(1,1965)	1:29:A:LEU:HD21	1:50:A:LEU:HD21	6	0.28
(1,1965)	1:29:A:LEU:HD21	1:50:A:LEU:HD22	6	0.28
(1,1965)	1:29:A:LEU:HD21	1:50:A:LEU:HD23	6	0.28
(1,1965)	1:29:A:LEU:HD22	1:50:A:LEU:HD21	6	0.28
(1,1965)	1:29:A:LEU:HD22	1:50:A:LEU:HD22	6	0.28
(1,1965)	1:29:A:LEU:HD22	1:50:A:LEU:HD23	6	0.28
(1,1965)	1:29:A:LEU:HD23	1:50:A:LEU:HD21	6	0.28
(1,1965)	1:29:A:LEU:HD23	1:50:A:LEU:HD22	6	0.28
(1,1965)	1:29:A:LEU:HD23	1:50:A:LEU:HD23	6	0.28
(1,1964)	1:29:B:LEU:HD21	1:50:B:LEU:HD21	6	0.28
(1,1964)	1:29:B:LEU:HD21	1:50:B:LEU:HD22	6	0.28
(1,1964)	1:29:B:LEU:HD21	1:50:B:LEU:HD23	6	0.28
(1,1964)	1:29:B:LEU:HD22	1:50:B:LEU:HD21	6	0.28
(1,1964)	1:29:B:LEU:HD22	1:50:B:LEU:HD22	6	0.28
(1,1964)	1:29:B:LEU:HD22	1:50:B:LEU:HD23	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1964)	1:29:B:LEU:HD23	1:50:B:LEU:HD21	6	0.28
(1,1964)	1:29:B:LEU:HD23	1:50:B:LEU:HD22	6	0.28
(1,1964)	1:29:B:LEU:HD23	1:50:B:LEU:HD23	6	0.28
(1,1917)	1:49:B:ALA:HB1	1:57:A:LEU:HA	15	0.28
(1,1917)	1:49:B:ALA:HB2	1:57:A:LEU:HA	15	0.28
(1,1917)	1:49:B:ALA:HB3	1:57:A:LEU:HA	15	0.28
(1,1916)	1:94:A:ILE:HG21	1:69:B:TRP:HH2	8	0.28
(1,1916)	1:94:A:ILE:HG22	1:69:B:TRP:HH2	8	0.28
(1,1916)	1:94:A:ILE:HG23	1:69:B:TRP:HH2	8	0.28
(1,1915)	1:94:B:ILE:HG21	1:69:A:TRP:HH2	8	0.28
(1,1915)	1:94:B:ILE:HG22	1:69:A:TRP:HH2	8	0.28
(1,1915)	1:94:B:ILE:HG23	1:69:A:TRP:HH2	8	0.28
(1,1887)	1:48:B:MET:H	1:48:B:MET:HG2	5	0.28
(1,1887)	1:48:B:MET:H	1:48:B:MET:HG3	17	0.28
(1,1859)	1:62:A:THR:HB	1:63:A:ALA:H	9	0.28
(1,1835)	1:65:A:ILE:HG21	1:51:A:VAL:HA	11	0.28
(1,1835)	1:65:A:ILE:HG22	1:51:A:VAL:HA	11	0.28
(1,1835)	1:65:A:ILE:HG23	1:51:A:VAL:HA	11	0.28
(1,1711)	1:82:B:ARG:HA	1:85:B:ARG:HD3	2	0.28
(1,1710)	1:82:A:ARG:HA	1:85:A:ARG:HD3	2	0.28
(1,1698)	1:81:A:LEU:H	1:84:A:PHE:HB2	10	0.28
(1,1668)	1:78:A:ILE:HG21	1:92:B:LEU:HA	12	0.28
(1,1668)	1:78:A:ILE:HG22	1:92:B:LEU:HA	12	0.28
(1,1668)	1:78:A:ILE:HG23	1:92:B:LEU:HA	12	0.28
(1,1631)	1:52:B:ALA:H	1:48:B:MET:HA	16	0.28
(1,1510)	1:94:B:ILE:HG21	1:95:B:LEU:HD11	12	0.28
(1,1510)	1:94:B:ILE:HG21	1:95:B:LEU:HD12	12	0.28
(1,1510)	1:94:B:ILE:HG21	1:95:B:LEU:HD13	12	0.28
(1,1510)	1:94:B:ILE:HG22	1:95:B:LEU:HD11	12	0.28
(1,1510)	1:94:B:ILE:HG22	1:95:B:LEU:HD12	12	0.28
(1,1510)	1:94:B:ILE:HG22	1:95:B:LEU:HD13	12	0.28
(1,1510)	1:94:B:ILE:HG23	1:95:B:LEU:HD11	12	0.28
(1,1510)	1:94:B:ILE:HG23	1:95:B:LEU:HD12	12	0.28
(1,1510)	1:94:B:ILE:HG23	1:95:B:LEU:HD13	12	0.28
(1,1509)	1:94:A:ILE:HG21	1:95:A:LEU:HD11	12	0.28
(1,1509)	1:94:A:ILE:HG21	1:95:A:LEU:HD12	12	0.28
(1,1509)	1:94:A:ILE:HG21	1:95:A:LEU:HD13	12	0.28
(1,1509)	1:94:A:ILE:HG22	1:95:A:LEU:HD11	12	0.28
(1,1509)	1:94:A:ILE:HG22	1:95:A:LEU:HD12	12	0.28
(1,1509)	1:94:A:ILE:HG22	1:95:A:LEU:HD13	12	0.28
(1,1509)	1:94:A:ILE:HG23	1:95:A:LEU:HD11	12	0.28
(1,1509)	1:94:A:ILE:HG23	1:95:A:LEU:HD12	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1509)	1:94:A:ILE:HG23	1:95:A:LEU:HD13	12	0.28
(1,1508)	1:94:A:ILE:HG21	1:95:A:LEU:HD21	12	0.28
(1,1508)	1:94:A:ILE:HG21	1:95:A:LEU:HD22	12	0.28
(1,1508)	1:94:A:ILE:HG21	1:95:A:LEU:HD23	12	0.28
(1,1508)	1:94:A:ILE:HG22	1:95:A:LEU:HD21	12	0.28
(1,1508)	1:94:A:ILE:HG22	1:95:A:LEU:HD22	12	0.28
(1,1508)	1:94:A:ILE:HG22	1:95:A:LEU:HD23	12	0.28
(1,1508)	1:94:A:ILE:HG23	1:95:A:LEU:HD21	12	0.28
(1,1508)	1:94:A:ILE:HG23	1:95:A:LEU:HD22	12	0.28
(1,1508)	1:94:A:ILE:HG23	1:95:A:LEU:HD23	12	0.28
(1,1507)	1:94:B:ILE:HG21	1:95:B:LEU:HD21	12	0.28
(1,1507)	1:94:B:ILE:HG21	1:95:B:LEU:HD22	12	0.28
(1,1507)	1:94:B:ILE:HG21	1:95:B:LEU:HD23	12	0.28
(1,1507)	1:94:B:ILE:HG22	1:95:B:LEU:HD21	12	0.28
(1,1507)	1:94:B:ILE:HG22	1:95:B:LEU:HD22	12	0.28
(1,1507)	1:94:B:ILE:HG22	1:95:B:LEU:HD23	12	0.28
(1,1507)	1:94:B:ILE:HG23	1:95:B:LEU:HD21	12	0.28
(1,1507)	1:94:B:ILE:HG23	1:95:B:LEU:HD22	12	0.28
(1,1507)	1:94:B:ILE:HG23	1:95:B:LEU:HD23	12	0.28
(1,1506)	1:57:B:LEU:H	1:54:B:LEU:HB3	4	0.28
(1,1506)	1:57:B:LEU:H	1:54:B:LEU:HB3	11	0.28
(1,1500)	1:65:A:ILE:HD11	1:66:A:LEU:H	4	0.28
(1,1500)	1:65:A:ILE:HD12	1:66:A:LEU:H	4	0.28
(1,1500)	1:65:A:ILE:HD13	1:66:A:LEU:H	4	0.28
(1,1499)	1:65:B:ILE:HD11	1:66:B:LEU:H	4	0.28
(1,1499)	1:65:B:ILE:HD12	1:66:B:LEU:H	4	0.28
(1,1499)	1:65:B:ILE:HD13	1:66:B:LEU:H	4	0.28
(1,1435)	1:57:B:LEU:HD11	1:57:B:LEU:H	6	0.28
(1,1435)	1:57:B:LEU:HD12	1:57:B:LEU:H	6	0.28
(1,1435)	1:57:B:LEU:HD13	1:57:B:LEU:H	6	0.28
(1,1423)	1:44:B:LEU:HD11	1:72:B:ILE:HA	4	0.28
(1,1423)	1:44:B:LEU:HD12	1:72:B:ILE:HA	4	0.28
(1,1423)	1:44:B:LEU:HD13	1:72:B:ILE:HA	4	0.28
(1,1420)	1:95:A:LEU:HD11	1:74:B:LYS:HA	15	0.28
(1,1420)	1:95:A:LEU:HD12	1:74:B:LYS:HA	15	0.28
(1,1420)	1:95:A:LEU:HD13	1:74:B:LYS:HA	15	0.28
(1,1312)	1:95:B:LEU:HD11	1:69:A:TRP:HH2	5	0.28
(1,1312)	1:95:B:LEU:HD12	1:69:A:TRP:HH2	5	0.28
(1,1312)	1:95:B:LEU:HD13	1:69:A:TRP:HH2	5	0.28
(1,1195)	1:42:A:GLY:HA2	1:43:A:PRO:HG3	6	0.28
(1,1194)	1:42:B:GLY:HA2	1:43:B:PRO:HG3	6	0.28
(1,1143)	1:83:A:GLY:HA2	1:86:A:LYS:HB2	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1115)	1:92:B:LEU:HD21	1:82:A:ARG:H	8	0.28
(1,1115)	1:92:B:LEU:HD22	1:82:A:ARG:H	8	0.28
(1,1115)	1:92:B:LEU:HD23	1:82:A:ARG:H	8	0.28
(1,1114)	1:92:A:LEU:HD21	1:82:B:ARG:H	7	0.28
(1,1114)	1:92:A:LEU:HD22	1:82:B:ARG:H	7	0.28
(1,1114)	1:92:A:LEU:HD23	1:82:B:ARG:H	7	0.28
(1,1114)	1:92:A:LEU:HD21	1:82:B:ARG:H	9	0.28
(1,1114)	1:92:A:LEU:HD22	1:82:B:ARG:H	9	0.28
(1,1114)	1:92:A:LEU:HD23	1:82:B:ARG:H	9	0.28
(1,1063)	1:27:A:GLN:H	1:29:A:LEU:H	20	0.28
(1,1062)	1:27:B:GLN:H	1:29:B:LEU:H	20	0.28
(1,1035)	1:57:A:LEU:HD11	1:45:B:LYS:H	10	0.28
(1,1035)	1:57:A:LEU:HD12	1:45:B:LYS:H	10	0.28
(1,1035)	1:57:A:LEU:HD13	1:45:B:LYS:H	10	0.28
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD11	2	0.28
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD12	2	0.28
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD13	2	0.28
(1,898)	1:65:A:ILE:HD11	1:26:A:VAL:HA	10	0.28
(1,898)	1:65:A:ILE:HD12	1:26:A:VAL:HA	10	0.28
(1,898)	1:65:A:ILE:HD13	1:26:A:VAL:HA	10	0.28
(1,897)	1:65:B:ILE:HD11	1:26:B:VAL:HA	10	0.28
(1,897)	1:65:B:ILE:HD12	1:26:B:VAL:HA	10	0.28
(1,897)	1:65:B:ILE:HD13	1:26:B:VAL:HA	10	0.28
(1,854)	1:81:A:LEU:H	1:79:A:ASN:H	1	0.28
(1,853)	1:81:B:LEU:H	1:79:B:ASN:H	19	0.28
(1,850)	1:95:B:LEU:H	1:93:B:ASN:HA	15	0.28
(1,849)	1:95:A:LEU:H	1:93:A:ASN:HA	17	0.28
(1,783)	1:22:A:ARG:HG3	1:23:A:VAL:H	18	0.28
(1,763)	1:51:A:VAL:HG21	1:52:A:ALA:H	19	0.28
(1,763)	1:51:A:VAL:HG22	1:52:A:ALA:H	19	0.28
(1,763)	1:51:A:VAL:HG23	1:52:A:ALA:H	19	0.28
(1,762)	1:51:B:VAL:HG21	1:52:B:ALA:H	19	0.28
(1,762)	1:51:B:VAL:HG22	1:52:B:ALA:H	19	0.28
(1,762)	1:51:B:VAL:HG23	1:52:B:ALA:H	19	0.28
(1,742)	1:77:B:ALA:H	1:80:B:VAL:H	4	0.28
(1,741)	1:77:A:ALA:H	1:80:A:VAL:H	7	0.28
(1,651)	1:51:B:VAL:HG11	1:48:B:MET:HA	5	0.28
(1,651)	1:51:B:VAL:HG12	1:48:B:MET:HA	5	0.28
(1,651)	1:51:B:VAL:HG13	1:48:B:MET:HA	5	0.28
(1,650)	1:51:A:VAL:HG11	1:48:A:MET:HA	5	0.28
(1,650)	1:51:A:VAL:HG12	1:48:A:MET:HA	5	0.28
(1,650)	1:51:A:VAL:HG13	1:48:A:MET:HA	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:87:B:GLU:HA	1:87:B:GLU:HG3	1	0.28
(1,433)	1:49:A:ALA:HB1	1:57:B:LEU:HB2	10	0.28
(1,433)	1:49:A:ALA:HB2	1:57:B:LEU:HB2	10	0.28
(1,433)	1:49:A:ALA:HB3	1:57:B:LEU:HB2	10	0.28
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB1	7	0.28
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB2	7	0.28
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB3	7	0.28
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB1	7	0.28
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB2	7	0.28
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB3	7	0.28
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB1	7	0.28
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB2	7	0.28
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB3	7	0.28
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB1	7	0.28
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB2	7	0.28
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB3	7	0.28
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB1	7	0.28
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB2	7	0.28
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB3	7	0.28
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB1	7	0.28
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB2	7	0.28
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB3	7	0.28
(1,407)	1:80:A:VAL:HG21	1:45:A:LYS:HA	9	0.28
(1,407)	1:80:A:VAL:HG22	1:45:A:LYS:HA	9	0.28
(1,407)	1:80:A:VAL:HG23	1:45:A:LYS:HA	9	0.28
(1,347)	1:90:A:ARG:H	1:90:A:ARG:HG3	10	0.28
(1,347)	1:90:A:ARG:H	1:90:A:ARG:HG3	20	0.28
(1,341)	1:75:A:SER:H	1:75:A:SER:HB2	18	0.28
(1,229)	1:74:B:LYS:HE3	1:98:A:ARG:HD2	20	0.28
(1,228)	1:74:A:LYS:HE3	1:98:B:ARG:HD2	2	0.28
(1,191)	1:77:A:ALA:HB1	1:75:A:SER:H	11	0.28
(1,191)	1:77:A:ALA:HB2	1:75:A:SER:H	11	0.28
(1,191)	1:77:A:ALA:HB3	1:75:A:SER:H	11	0.28
(1,178)	1:57:B:LEU:HD21	1:46:A:LEU:H	13	0.28
(1,178)	1:57:B:LEU:HD22	1:46:A:LEU:H	13	0.28
(1,178)	1:57:B:LEU:HD23	1:46:A:LEU:H	13	0.28
(1,165)	1:69:A:TRP:HH2	1:95:B:LEU:HG	2	0.28
(1,85)	1:69:A:TRP:HH2	1:91:B:MET:HA	19	0.28
(1,31)	1:95:A:LEU:HD11	1:74:B:LYS:HA	15	0.28
(1,31)	1:95:A:LEU:HD12	1:74:B:LYS:HA	15	0.28
(1,31)	1:95:A:LEU:HD13	1:74:B:LYS:HA	15	0.28
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG21	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG22	14	0.28
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG23	14	0.28
(1,1)	1:57:A:LEU:HD11	1:45:B:LYS:H	10	0.28
(1,1)	1:57:A:LEU:HD12	1:45:B:LYS:H	10	0.28
(1,1)	1:57:A:LEU:HD13	1:45:B:LYS:H	10	0.28
(2,337)	1:21:B:ASN:HB3	1:23:B:VAL:H	16	0.27
(2,326)	1:77:A:ALA:H	1:76:A:LYS:HB2	8	0.27
(2,322)	1:67:B:LYS:HA	1:67:B:LYS:HD3	8	0.27
(2,308)	1:76:A:LYS:HB3	1:76:A:LYS:HA	11	0.27
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG3	4	0.27
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG3	4	0.27
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG3	4	0.27
(2,164)	1:81:B:LEU:H	1:84:B:PHE:HB2	10	0.27
(2,152)	1:48:A:MET:H	1:48:A:MET:HG3	3	0.27
(2,152)	1:48:A:MET:H	1:48:A:MET:HG2	5	0.27
(2,152)	1:48:A:MET:H	1:48:A:MET:HG2	16	0.27
(2,135)	1:67:B:LYS:HA	1:67:B:LYS:HD2	1	0.27
(2,82)	1:68:B:ARG:H	1:68:B:ARG:HB3	4	0.27
(1,3454)	1:90:A:ARG:HA	1:92:A:LEU:H	6	0.27
(1,3406)	1:77:A:ALA:HB1	1:76:A:LYS:H	14	0.27
(1,3406)	1:77:A:ALA:HB2	1:76:A:LYS:H	14	0.27
(1,3406)	1:77:A:ALA:HB3	1:76:A:LYS:H	14	0.27
(1,3400)	1:25:A:THR:HG21	1:28:A:GLN:HE21	3	0.27
(1,3400)	1:25:A:THR:HG22	1:28:A:GLN:HE21	3	0.27
(1,3400)	1:25:A:THR:HG23	1:28:A:GLN:HE21	3	0.27
(1,3399)	1:25:B:THR:HG21	1:28:B:GLN:HE21	3	0.27
(1,3399)	1:25:B:THR:HG22	1:28:B:GLN:HE21	3	0.27
(1,3399)	1:25:B:THR:HG23	1:28:B:GLN:HE21	3	0.27
(1,3383)	1:87:A:GLU:HB3	1:55:B:ARG:HG3	6	0.27
(1,3359)	1:69:B:TRP:HZ2	1:91:A:MET:HA	15	0.27
(1,3358)	1:69:A:TRP:HZ2	1:91:B:MET:HA	2	0.27
(1,3358)	1:69:A:TRP:HZ2	1:91:B:MET:HA	9	0.27
(1,3280)	1:88:B:ILE:HG12	1:52:A:ALA:HA	7	0.27
(1,3279)	1:88:A:ILE:HG12	1:52:B:ALA:HA	7	0.27
(1,3249)	1:76:B:LYS:HB3	1:76:B:LYS:HA	11	0.27
(1,3228)	1:29:B:LEU:HD11	1:50:B:LEU:HG	16	0.27
(1,3228)	1:29:B:LEU:HD12	1:50:B:LEU:HG	16	0.27
(1,3228)	1:29:B:LEU:HD13	1:50:B:LEU:HG	16	0.27
(1,3227)	1:29:A:LEU:HD11	1:50:A:LEU:HG	16	0.27
(1,3227)	1:29:A:LEU:HD12	1:50:A:LEU:HG	16	0.27
(1,3227)	1:29:A:LEU:HD13	1:50:A:LEU:HG	16	0.27
(1,3219)	1:57:B:LEU:HB3	1:58:B:THR:H	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3218)	1:57:A:LEU:HB3	1:58:A:THR:H	6	0.27
(1,3098)	1:65:A:ILE:HD11	1:25:A:THR:HB	19	0.27
(1,3098)	1:65:A:ILE:HD12	1:25:A:THR:HB	19	0.27
(1,3098)	1:65:A:ILE:HD13	1:25:A:THR:HB	19	0.27
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD11	17	0.27
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD12	17	0.27
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD13	17	0.27
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD11	17	0.27
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD12	17	0.27
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD13	17	0.27
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD11	17	0.27
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD12	17	0.27
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD13	17	0.27
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD11	17	0.27
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD12	17	0.27
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD13	17	0.27
(1,3008)	1:23:B:VAL:HB	1:22:B:ARG:HB3	9	0.27
(1,2966)	1:80:A:VAL:HG21	1:84:A:PHE:HB2	11	0.27
(1,2966)	1:80:A:VAL:HG22	1:84:A:PHE:HB2	11	0.27
(1,2966)	1:80:A:VAL:HG23	1:84:A:PHE:HB2	11	0.27
(1,2966)	1:80:A:VAL:HG21	1:84:A:PHE:HB2	18	0.27
(1,2966)	1:80:A:VAL:HG22	1:84:A:PHE:HB2	18	0.27
(1,2966)	1:80:A:VAL:HG23	1:84:A:PHE:HB2	18	0.27
(1,2950)	1:80:B:VAL:HA	1:79:B:ASN:HB3	17	0.27
(1,2872)	1:67:A:LYS:HA	1:67:A:LYS:HD2	1	0.27
(1,2809)	1:23:A:VAL:HG21	1:24:A:SER:HA	18	0.27
(1,2809)	1:23:A:VAL:HG22	1:24:A:SER:HA	18	0.27
(1,2809)	1:23:A:VAL:HG23	1:24:A:SER:HA	18	0.27
(1,2807)	1:23:A:VAL:HG21	1:24:A:SER:HA	18	0.27
(1,2807)	1:23:A:VAL:HG22	1:24:A:SER:HA	18	0.27
(1,2807)	1:23:A:VAL:HG23	1:24:A:SER:HA	18	0.27
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD11	5	0.27
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD12	5	0.27
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD13	5	0.27
(1,2788)	1:61:A:PRO:HG2	1:55:A:ARG:HA	17	0.27
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB1	18	0.27
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB2	18	0.27
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB3	18	0.27
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB1	18	0.27
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB2	18	0.27
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB3	18	0.27
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB1	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB2	18	0.27
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB3	18	0.27
(1,2718)	1:63:A:ALA:HB1	1:66:A:LEU:H	9	0.27
(1,2718)	1:63:A:ALA:HB2	1:66:A:LEU:H	9	0.27
(1,2718)	1:63:A:ALA:HB3	1:66:A:LEU:H	9	0.27
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD1	10	0.27
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD2	10	0.27
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD1	14	0.27
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD2	14	0.27
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD1	18	0.27
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD2	18	0.27
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD1	2	0.27
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD2	2	0.27
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD1	10	0.27
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD2	10	0.27
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD1	14	0.27
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD2	14	0.27
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD1	18	0.27
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD2	18	0.27
(1,2670)	1:80:A:VAL:HG21	1:45:A:LYS:HG2	16	0.27
(1,2670)	1:80:A:VAL:HG22	1:45:A:LYS:HG2	16	0.27
(1,2670)	1:80:A:VAL:HG23	1:45:A:LYS:HG2	16	0.27
(1,2631)	1:52:A:ALA:HA	1:55:A:ARG:HD2	10	0.27
(1,2618)	1:87:A:GLU:H	1:90:A:ARG:HD2	6	0.27
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG21	20	0.27
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG22	20	0.27
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG23	20	0.27
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG21	20	0.27
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG22	20	0.27
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG23	20	0.27
(1,2531)	1:74:B:LYS:HA	1:95:A:LEU:HG	15	0.27
(1,2509)	1:99:A:ARG:HA	1:99:A:ARG:HD3	14	0.27
(1,2508)	1:99:B:ARG:HA	1:99:B:ARG:HD3	14	0.27
(1,2502)	1:100:A:ARG:H	1:99:A:ARG:HA	8	0.27
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD11	2	0.27
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD12	2	0.27
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD13	2	0.27
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD11	7	0.27
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD12	7	0.27
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD13	7	0.27
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD11	2	0.27
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD12	2	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD13	2	0.27
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD11	7	0.27
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD12	7	0.27
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD13	7	0.27
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD11	17	0.27
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD12	17	0.27
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD13	17	0.27
(1,2420)	1:45:A:LYS:HE2	1:56:B:PHE:HA	12	0.27
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG11	19	0.27
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG12	19	0.27
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG13	19	0.27
(1,2206)	1:65:A:ILE:HD11	1:50:A:LEU:HD11	11	0.27
(1,2206)	1:65:A:ILE:HD11	1:50:A:LEU:HD12	11	0.27
(1,2206)	1:65:A:ILE:HD11	1:50:A:LEU:HD13	11	0.27
(1,2206)	1:65:A:ILE:HD12	1:50:A:LEU:HD11	11	0.27
(1,2206)	1:65:A:ILE:HD12	1:50:A:LEU:HD12	11	0.27
(1,2206)	1:65:A:ILE:HD12	1:50:A:LEU:HD13	11	0.27
(1,2206)	1:65:A:ILE:HD13	1:50:A:LEU:HD11	11	0.27
(1,2206)	1:65:A:ILE:HD13	1:50:A:LEU:HD12	11	0.27
(1,2206)	1:65:A:ILE:HD13	1:50:A:LEU:HD13	11	0.27
(1,2205)	1:65:B:ILE:HD11	1:50:B:LEU:HD11	11	0.27
(1,2205)	1:65:B:ILE:HD11	1:50:B:LEU:HD12	11	0.27
(1,2205)	1:65:B:ILE:HD11	1:50:B:LEU:HD13	11	0.27
(1,2205)	1:65:B:ILE:HD12	1:50:B:LEU:HD11	11	0.27
(1,2205)	1:65:B:ILE:HD12	1:50:B:LEU:HD12	11	0.27
(1,2205)	1:65:B:ILE:HD12	1:50:B:LEU:HD13	11	0.27
(1,2205)	1:65:B:ILE:HD13	1:50:B:LEU:HD11	11	0.27
(1,2205)	1:65:B:ILE:HD13	1:50:B:LEU:HD12	11	0.27
(1,2205)	1:65:B:ILE:HD13	1:50:B:LEU:HD13	11	0.27
(1,2069)	1:68:A:ARG:H	1:68:A:ARG:HB3	4	0.27
(1,2058)	1:49:B:ALA:H	1:52:B:ALA:H	6	0.27
(1,2057)	1:49:A:ALA:H	1:52:A:ALA:H	6	0.27
(1,2034)	1:26:B:VAL:HA	1:25:B:THR:HA	16	0.27
(1,2033)	1:26:A:VAL:HA	1:25:A:THR:HA	6	0.27
(1,2033)	1:26:A:VAL:HA	1:25:A:THR:HA	16	0.27
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE1	4	0.27
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE2	4	0.27
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE1	14	0.27
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE2	14	0.27
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE1	14	0.27
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE2	14	0.27
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD21	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD22	6	0.27
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD23	6	0.27
(1,1918)	1:49:A:ALA:HB1	1:57:B:LEU:HA	15	0.27
(1,1918)	1:49:A:ALA:HB2	1:57:B:LEU:HA	15	0.27
(1,1918)	1:49:A:ALA:HB3	1:57:B:LEU:HA	15	0.27
(1,1887)	1:48:B:MET:H	1:48:B:MET:HG3	3	0.27
(1,1887)	1:48:B:MET:H	1:48:B:MET:HG2	16	0.27
(1,1887)	1:48:B:MET:H	1:48:B:MET:HG3	20	0.27
(1,1875)	1:93:B:ASN:HA	1:98:B:ARG:H	12	0.27
(1,1836)	1:65:B:ILE:HG21	1:51:B:VAL:HA	11	0.27
(1,1836)	1:65:B:ILE:HG22	1:51:B:VAL:HA	11	0.27
(1,1836)	1:65:B:ILE:HG23	1:51:B:VAL:HA	11	0.27
(1,1802)	1:77:B:ALA:H	1:76:B:LYS:HB2	8	0.27
(1,1801)	1:84:A:PHE:HD1	1:85:A:ARG:HA	15	0.27
(1,1801)	1:84:A:PHE:HD2	1:85:A:ARG:HA	15	0.27
(1,1800)	1:84:B:PHE:HD1	1:85:B:ARG:HA	11	0.27
(1,1800)	1:84:B:PHE:HD2	1:85:B:ARG:HA	11	0.27
(1,1800)	1:84:B:PHE:HD1	1:85:B:ARG:HA	15	0.27
(1,1800)	1:84:B:PHE:HD2	1:85:B:ARG:HA	15	0.27
(1,1799)	1:84:B:PHE:HD1	1:85:A:ARG:HA	2	0.27
(1,1799)	1:84:B:PHE:HD2	1:85:A:ARG:HA	2	0.27
(1,1798)	1:84:A:PHE:HD1	1:85:B:ARG:HA	2	0.27
(1,1798)	1:84:A:PHE:HD2	1:85:B:ARG:HA	2	0.27
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD11	17	0.27
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD12	17	0.27
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD13	17	0.27
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD11	17	0.27
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD12	17	0.27
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD13	17	0.27
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD11	17	0.27
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD12	17	0.27
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD13	17	0.27
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD11	17	0.27
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD12	17	0.27
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD13	17	0.27
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD11	17	0.27
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD12	17	0.27
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD13	17	0.27
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD11	17	0.27
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD12	17	0.27
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD13	17	0.27
(1,1702)	1:84:A:PHE:HA	1:87:A:GLU:H	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1701)	1:84:B:PHE:HA	1:87:B:GLU:H	17	0.27
(1,1653)	1:69:B:TRP:HA	1:67:B:LYS:H	18	0.27
(1,1652)	1:69:A:TRP:HA	1:67:A:LYS:H	16	0.27
(1,1632)	1:52:A:ALA:H	1:48:A:MET:HA	16	0.27
(1,1520)	1:28:A:GLN:H	1:28:A:GLN:HE22	7	0.27
(1,1519)	1:28:B:GLN:H	1:28:B:GLN:HE22	7	0.27
(1,1505)	1:57:A:LEU:H	1:54:A:LEU:HB3	4	0.27
(1,1505)	1:57:A:LEU:H	1:54:A:LEU:HB3	11	0.27
(1,1500)	1:65:A:ILE:HD11	1:66:A:LEU:H	3	0.27
(1,1500)	1:65:A:ILE:HD12	1:66:A:LEU:H	3	0.27
(1,1500)	1:65:A:ILE:HD13	1:66:A:LEU:H	3	0.27
(1,1500)	1:65:A:ILE:HD11	1:66:A:LEU:H	19	0.27
(1,1500)	1:65:A:ILE:HD12	1:66:A:LEU:H	19	0.27
(1,1500)	1:65:A:ILE:HD13	1:66:A:LEU:H	19	0.27
(1,1499)	1:65:B:ILE:HD11	1:66:B:LEU:H	3	0.27
(1,1499)	1:65:B:ILE:HD12	1:66:B:LEU:H	3	0.27
(1,1499)	1:65:B:ILE:HD13	1:66:B:LEU:H	3	0.27
(1,1499)	1:65:B:ILE:HD11	1:66:B:LEU:H	19	0.27
(1,1499)	1:65:B:ILE:HD12	1:66:B:LEU:H	19	0.27
(1,1499)	1:65:B:ILE:HD13	1:66:B:LEU:H	19	0.27
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG11	3	0.27
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG12	3	0.27
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG13	3	0.27
(1,1448)	1:91:B:MET:HA	1:94:B:ILE:H	17	0.27
(1,1447)	1:91:A:MET:HA	1:94:A:ILE:H	12	0.27
(1,1447)	1:91:A:MET:HA	1:94:A:ILE:H	17	0.27
(1,1435)	1:57:B:LEU:HD11	1:57:B:LEU:H	14	0.27
(1,1435)	1:57:B:LEU:HD12	1:57:B:LEU:H	14	0.27
(1,1435)	1:57:B:LEU:HD13	1:57:B:LEU:H	14	0.27
(1,1434)	1:57:A:LEU:HD11	1:57:A:LEU:H	14	0.27
(1,1434)	1:57:A:LEU:HD12	1:57:A:LEU:H	14	0.27
(1,1434)	1:57:A:LEU:HD13	1:57:A:LEU:H	14	0.27
(1,1434)	1:57:A:LEU:HD11	1:57:A:LEU:H	17	0.27
(1,1434)	1:57:A:LEU:HD12	1:57:A:LEU:H	17	0.27
(1,1434)	1:57:A:LEU:HD13	1:57:A:LEU:H	17	0.27
(1,1433)	1:57:A:LEU:HD11	1:57:A:LEU:H	14	0.27
(1,1433)	1:57:A:LEU:HD12	1:57:A:LEU:H	14	0.27
(1,1433)	1:57:A:LEU:HD13	1:57:A:LEU:H	14	0.27
(1,1433)	1:57:A:LEU:HD11	1:57:A:LEU:H	17	0.27
(1,1433)	1:57:A:LEU:HD12	1:57:A:LEU:H	17	0.27
(1,1433)	1:57:A:LEU:HD13	1:57:A:LEU:H	17	0.27
(1,1199)	1:58:B:THR:HA	1:58:B:THR:H	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1198)	1:58:A:THR:HA	1:58:A:THR:H	20	0.27
(1,1180)	1:69:A:TRP:HZ2	1:94:B:ILE:HB	11	0.27
(1,1174)	1:94:B:ILE:HA	1:97:B:ARG:H	7	0.27
(1,1137)	1:77:B:ALA:HB1	1:74:B:LYS:HA	1	0.27
(1,1137)	1:77:B:ALA:HB2	1:74:B:LYS:HA	1	0.27
(1,1137)	1:77:B:ALA:HB3	1:74:B:LYS:HA	1	0.27
(1,1115)	1:92:B:LEU:HD21	1:82:A:ARG:H	17	0.27
(1,1115)	1:92:B:LEU:HD22	1:82:A:ARG:H	17	0.27
(1,1115)	1:92:B:LEU:HD23	1:82:A:ARG:H	17	0.27
(1,1062)	1:27:B:GLN:H	1:29:B:LEU:H	4	0.27
(1,1051)	1:70:B:GLY:H	1:69:B:TRP:HE3	7	0.27
(1,1050)	1:70:A:GLY:H	1:69:A:TRP:HE3	7	0.27
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD11	4	0.27
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD12	4	0.27
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD13	4	0.27
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD11	19	0.27
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD12	19	0.27
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD13	19	0.27
(1,916)	1:69:B:TRP:HZ2	1:95:A:LEU:HG	15	0.27
(1,854)	1:81:A:LEU:H	1:79:A:ASN:H	19	0.27
(1,853)	1:81:B:LEU:H	1:79:B:ASN:H	1	0.27
(1,808)	1:90:B:ARG:HA	1:90:B:ARG:HD3	12	0.27
(1,807)	1:90:A:ARG:HA	1:90:A:ARG:HD3	12	0.27
(1,783)	1:22:A:ARG:HG3	1:23:A:VAL:H	19	0.27
(1,780)	1:22:A:ARG:H	1:23:A:VAL:HG11	3	0.27
(1,780)	1:22:A:ARG:H	1:23:A:VAL:HG12	3	0.27
(1,780)	1:22:A:ARG:H	1:23:A:VAL:HG13	3	0.27
(1,763)	1:51:A:VAL:HG21	1:52:A:ALA:H	12	0.27
(1,763)	1:51:A:VAL:HG22	1:52:A:ALA:H	12	0.27
(1,763)	1:51:A:VAL:HG23	1:52:A:ALA:H	12	0.27
(1,762)	1:51:B:VAL:HG21	1:52:B:ALA:H	12	0.27
(1,762)	1:51:B:VAL:HG22	1:52:B:ALA:H	12	0.27
(1,762)	1:51:B:VAL:HG23	1:52:B:ALA:H	12	0.27
(1,759)	1:22:A:ARG:HG3	1:22:A:ARG:H	13	0.27
(1,742)	1:77:B:ALA:H	1:80:B:VAL:H	6	0.27
(1,742)	1:77:B:ALA:H	1:80:B:VAL:H	12	0.27
(1,742)	1:77:B:ALA:H	1:80:B:VAL:H	17	0.27
(1,741)	1:77:A:ALA:H	1:80:A:VAL:H	4	0.27
(1,741)	1:77:A:ALA:H	1:80:A:VAL:H	6	0.27
(1,741)	1:77:A:ALA:H	1:80:A:VAL:H	12	0.27
(1,741)	1:77:A:ALA:H	1:80:A:VAL:H	17	0.27
(1,741)	1:77:A:ALA:H	1:80:A:VAL:H	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,533)	1:92:A:LEU:HD11	1:82:B:ARG:HA	10	0.27
(1,533)	1:92:A:LEU:HD12	1:82:B:ARG:HA	10	0.27
(1,533)	1:92:A:LEU:HD13	1:82:B:ARG:HA	10	0.27
(1,483)	1:84:B:PHE:HD1	1:87:B:GLU:H	13	0.27
(1,483)	1:84:B:PHE:HD2	1:87:B:GLU:H	13	0.27
(1,482)	1:84:A:PHE:HD1	1:87:A:GLU:H	13	0.27
(1,482)	1:84:A:PHE:HD2	1:87:A:GLU:H	13	0.27
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB1	17	0.27
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB2	17	0.27
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB3	17	0.27
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB1	17	0.27
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB2	17	0.27
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB3	17	0.27
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB1	17	0.27
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB2	17	0.27
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB3	17	0.27
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB1	17	0.27
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB2	17	0.27
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB3	17	0.27
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB1	17	0.27
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB2	17	0.27
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB3	17	0.27
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB1	17	0.27
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB2	17	0.27
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB3	17	0.27
(1,407)	1:80:A:VAL:HG21	1:45:A:LYS:HA	13	0.27
(1,407)	1:80:A:VAL:HG22	1:45:A:LYS:HA	13	0.27
(1,407)	1:80:A:VAL:HG23	1:45:A:LYS:HA	13	0.27
(1,340)	1:75:B:SER:H	1:75:B:SER:HB2	7	0.27
(1,337)	1:64:B:GLY:HA3	1:63:B:ALA:HB1	6	0.27
(1,337)	1:64:B:GLY:HA3	1:63:B:ALA:HB2	6	0.27
(1,337)	1:64:B:GLY:HA3	1:63:B:ALA:HB3	6	0.27
(1,279)	1:41:B:ARG:H	1:38:B:LEU:HA	9	0.27
(1,278)	1:41:A:ARG:H	1:38:A:LEU:HA	9	0.27
(1,259)	1:95:A:LEU:HD11	1:74:B:LYS:HB3	2	0.27
(1,259)	1:95:A:LEU:HD12	1:74:B:LYS:HB3	2	0.27
(1,259)	1:95:A:LEU:HD13	1:74:B:LYS:HB3	2	0.27
(1,216)	1:77:B:ALA:HB1	1:48:B:MET:HG2	10	0.27
(1,216)	1:77:B:ALA:HB2	1:48:B:MET:HG2	10	0.27
(1,216)	1:77:B:ALA:HB3	1:48:B:MET:HG2	10	0.27
(1,215)	1:77:A:ALA:HB1	1:48:A:MET:HG2	10	0.27
(1,215)	1:77:A:ALA:HB2	1:48:A:MET:HG2	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,215)	1:77:A:ALA:HB3	1:48:A:MET:HG2	10	0.27
(1,192)	1:77:B:ALA:HB1	1:75:B:SER:H	11	0.27
(1,192)	1:77:B:ALA:HB2	1:75:B:SER:H	11	0.27
(1,192)	1:77:B:ALA:HB3	1:75:B:SER:H	11	0.27
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG3	13	0.27
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG3	13	0.27
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG3	13	0.27
(1,156)	1:78:B:ILE:HG21	1:96:A:ASN:HD21	3	0.27
(1,156)	1:78:B:ILE:HG22	1:96:A:ASN:HD21	3	0.27
(1,156)	1:78:B:ILE:HG23	1:96:A:ASN:HD21	3	0.27
(1,145)	1:69:B:TRP:HH2	1:95:A:LEU:H	11	0.27
(1,111)	1:91:A:MET:HG3	1:69:B:TRP:HZ2	19	0.27
(1,94)	1:57:B:LEU:HD21	1:49:A:ALA:HA	17	0.27
(1,94)	1:57:B:LEU:HD22	1:49:A:ALA:HA	17	0.27
(1,94)	1:57:B:LEU:HD23	1:49:A:ALA:HA	17	0.27
(1,57)	1:49:B:ALA:HB1	1:56:A:PHE:HE1	3	0.27
(1,57)	1:49:B:ALA:HB1	1:56:A:PHE:HE2	3	0.27
(1,57)	1:49:B:ALA:HB2	1:56:A:PHE:HE1	3	0.27
(1,57)	1:49:B:ALA:HB2	1:56:A:PHE:HE2	3	0.27
(1,57)	1:49:B:ALA:HB3	1:56:A:PHE:HE1	3	0.27
(1,57)	1:49:B:ALA:HB3	1:56:A:PHE:HE2	3	0.27
(1,57)	1:49:B:ALA:HB1	1:56:A:PHE:HE1	16	0.27
(1,57)	1:49:B:ALA:HB1	1:56:A:PHE:HE2	16	0.27
(1,57)	1:49:B:ALA:HB2	1:56:A:PHE:HE1	16	0.27
(1,57)	1:49:B:ALA:HB2	1:56:A:PHE:HE2	16	0.27
(1,57)	1:49:B:ALA:HB3	1:56:A:PHE:HE1	16	0.27
(1,57)	1:49:B:ALA:HB3	1:56:A:PHE:HE2	16	0.27
(1,43)	1:69:A:TRP:HZ2	1:94:B:ILE:HB	11	0.27
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG21	14	0.27
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG22	14	0.27
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG23	14	0.27
(2,346)	1:90:B:ARG:H	1:90:B:ARG:HG2	12	0.26
(2,152)	1:48:A:MET:H	1:48:A:MET:HG3	10	0.26
(2,152)	1:48:A:MET:H	1:48:A:MET:HG3	20	0.26
(2,98)	1:78:A:ILE:HG21	1:79:A:ASN:HD21	20	0.26
(2,98)	1:78:A:ILE:HG22	1:79:A:ASN:HD21	20	0.26
(2,98)	1:78:A:ILE:HG23	1:79:A:ASN:HD21	20	0.26
(2,97)	1:90:A:ARG:H	1:90:A:ARG:HD3	7	0.26
(2,94)	1:61:B:PRO:HB2	1:66:B:LEU:HD11	7	0.26
(2,94)	1:61:B:PRO:HB2	1:66:B:LEU:HD12	7	0.26
(2,94)	1:61:B:PRO:HB2	1:66:B:LEU:HD13	7	0.26
(2,20)	1:90:B:ARG:H	1:90:B:ARG:HD3	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3486)	1:57:B:LEU:HD11	1:45:A:LYS:H	10	0.26
(1,3486)	1:57:B:LEU:HD12	1:45:A:LYS:H	10	0.26
(1,3486)	1:57:B:LEU:HD13	1:45:A:LYS:H	10	0.26
(1,3455)	1:90:B:ARG:HA	1:92:B:LEU:H	13	0.26
(1,3455)	1:90:B:ARG:HA	1:92:B:LEU:H	20	0.26
(1,3454)	1:90:A:ARG:HA	1:92:A:LEU:H	13	0.26
(1,3454)	1:90:A:ARG:HA	1:92:A:LEU:H	20	0.26
(1,3400)	1:25:A:THR:HG21	1:28:A:GLN:HE21	16	0.26
(1,3400)	1:25:A:THR:HG22	1:28:A:GLN:HE21	16	0.26
(1,3400)	1:25:A:THR:HG23	1:28:A:GLN:HE21	16	0.26
(1,3399)	1:25:B:THR:HG21	1:28:B:GLN:HE21	16	0.26
(1,3399)	1:25:B:THR:HG22	1:28:B:GLN:HE21	16	0.26
(1,3399)	1:25:B:THR:HG23	1:28:B:GLN:HE21	16	0.26
(1,3359)	1:69:B:TRP:HZ2	1:91:A:MET:HA	6	0.26
(1,3339)	1:62:A:THR:HA	1:25:A:THR:HB	17	0.26
(1,3297)	1:30:B:THR:HG21	1:28:B:GLN:HA	8	0.26
(1,3297)	1:30:B:THR:HG22	1:28:B:GLN:HA	8	0.26
(1,3297)	1:30:B:THR:HG23	1:28:B:GLN:HA	8	0.26
(1,3296)	1:30:A:THR:HG21	1:28:A:GLN:HA	8	0.26
(1,3296)	1:30:A:THR:HG22	1:28:A:GLN:HA	8	0.26
(1,3296)	1:30:A:THR:HG23	1:28:A:GLN:HA	8	0.26
(1,3097)	1:65:B:ILE:HD11	1:25:B:THR:HB	19	0.26
(1,3097)	1:65:B:ILE:HD12	1:25:B:THR:HB	19	0.26
(1,3097)	1:65:B:ILE:HD13	1:25:B:THR:HB	19	0.26
(1,3079)	1:22:A:ARG:HB2	1:24:A:SER:HA	12	0.26
(1,3078)	1:22:B:ARG:HB2	1:24:B:SER:HA	12	0.26
(1,3049)	1:55:A:ARG:HA	1:55:A:ARG:HD3	17	0.26
(1,3048)	1:55:B:ARG:HA	1:55:B:ARG:HD3	17	0.26
(1,3009)	1:23:A:VAL:HB	1:22:A:ARG:HB3	6	0.26
(1,3008)	1:23:B:VAL:HB	1:22:B:ARG:HB3	6	0.26
(1,2966)	1:80:A:VAL:HG21	1:84:A:PHE:HB2	12	0.26
(1,2966)	1:80:A:VAL:HG22	1:84:A:PHE:HB2	12	0.26
(1,2966)	1:80:A:VAL:HG23	1:84:A:PHE:HB2	12	0.26
(1,2892)	1:87:B:GLU:HG2	1:87:B:GLU:H	3	0.26
(1,2880)	1:62:A:THR:HB	1:22:A:ARG:HB2	10	0.26
(1,2826)	1:51:A:VAL:HG21	1:55:A:ARG:HD3	11	0.26
(1,2826)	1:51:A:VAL:HG22	1:55:A:ARG:HD3	11	0.26
(1,2826)	1:51:A:VAL:HG23	1:55:A:ARG:HD3	11	0.26
(1,2825)	1:51:B:VAL:HG21	1:55:B:ARG:HD3	11	0.26
(1,2825)	1:51:B:VAL:HG22	1:55:B:ARG:HD3	11	0.26
(1,2825)	1:51:B:VAL:HG23	1:55:B:ARG:HD3	11	0.26
(1,2809)	1:23:A:VAL:HG21	1:24:A:SER:HA	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2809)	1:23:A:VAL:HG22	1:24:A:SER:HA	9	0.26
(1,2809)	1:23:A:VAL:HG23	1:24:A:SER:HA	9	0.26
(1,2807)	1:23:A:VAL:HG21	1:24:A:SER:HA	9	0.26
(1,2807)	1:23:A:VAL:HG22	1:24:A:SER:HA	9	0.26
(1,2807)	1:23:A:VAL:HG23	1:24:A:SER:HA	9	0.26
(1,2806)	1:23:B:VAL:HG21	1:24:B:SER:HA	9	0.26
(1,2806)	1:23:B:VAL:HG22	1:24:B:SER:HA	9	0.26
(1,2806)	1:23:B:VAL:HG23	1:24:B:SER:HA	9	0.26
(1,2806)	1:23:B:VAL:HG21	1:24:B:SER:HA	18	0.26
(1,2806)	1:23:B:VAL:HG22	1:24:B:SER:HA	18	0.26
(1,2806)	1:23:B:VAL:HG23	1:24:B:SER:HA	18	0.26
(1,2737)	1:78:B:ILE:HA	1:77:B:ALA:H	5	0.26
(1,2736)	1:78:A:ILE:HA	1:77:A:ALA:H	5	0.26
(1,2718)	1:63:A:ALA:HB1	1:66:A:LEU:H	5	0.26
(1,2718)	1:63:A:ALA:HB2	1:66:A:LEU:H	5	0.26
(1,2718)	1:63:A:ALA:HB3	1:66:A:LEU:H	5	0.26
(1,2717)	1:63:B:ALA:HB1	1:66:B:LEU:H	5	0.26
(1,2717)	1:63:B:ALA:HB2	1:66:B:LEU:H	5	0.26
(1,2717)	1:63:B:ALA:HB3	1:66:B:LEU:H	5	0.26
(1,2670)	1:80:A:VAL:HG21	1:45:A:LYS:HG2	18	0.26
(1,2670)	1:80:A:VAL:HG22	1:45:A:LYS:HG2	18	0.26
(1,2670)	1:80:A:VAL:HG23	1:45:A:LYS:HG2	18	0.26
(1,2632)	1:52:B:ALA:HA	1:55:B:ARG:HD2	10	0.26
(1,2619)	1:87:B:GLU:H	1:90:B:ARG:HD2	6	0.26
(1,2600)	1:90:B:ARG:HA	1:93:B:ASN:HB3	3	0.26
(1,2599)	1:90:A:ARG:HA	1:93:A:ASN:HB3	3	0.26
(1,2599)	1:90:A:ARG:HA	1:93:A:ASN:HB3	4	0.26
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG21	11	0.26
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG22	11	0.26
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG23	11	0.26
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG21	11	0.26
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG22	11	0.26
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG23	11	0.26
(1,2554)	1:94:A:ILE:HG13	1:93:A:ASN:HB3	12	0.26
(1,2517)	1:80:A:VAL:HG21	1:84:A:PHE:H	1	0.26
(1,2517)	1:80:A:VAL:HG22	1:84:A:PHE:H	1	0.26
(1,2517)	1:80:A:VAL:HG23	1:84:A:PHE:H	1	0.26
(1,2517)	1:80:A:VAL:HG21	1:84:A:PHE:H	12	0.26
(1,2517)	1:80:A:VAL:HG22	1:84:A:PHE:H	12	0.26
(1,2517)	1:80:A:VAL:HG23	1:84:A:PHE:H	12	0.26
(1,2491)	1:23:B:VAL:HG11	1:24:B:SER:H	6	0.26
(1,2491)	1:23:B:VAL:HG12	1:24:B:SER:H	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2491)	1:23:B:VAL:HG13	1:24:B:SER:H	6	0.26
(1,2480)	1:87:B:GLU:HA	1:86:B:LYS:HG3	5	0.26
(1,2479)	1:87:A:GLU:HA	1:86:A:LYS:HG3	5	0.26
(1,2324)	1:78:A:ILE:HA	1:92:B:LEU:HA	1	0.26
(1,2241)	1:91:A:MET:HB2	1:93:A:ASN:H	6	0.26
(1,2241)	1:91:A:MET:HB2	1:93:A:ASN:H	13	0.26
(1,2228)	1:43:A:PRO:HB2	1:44:A:LEU:H	17	0.26
(1,2157)	1:48:B:MET:HB3	1:80:B:VAL:HB	8	0.26
(1,2096)	1:23:B:VAL:HG11	1:24:B:SER:H	6	0.26
(1,2096)	1:23:B:VAL:HG12	1:24:B:SER:H	6	0.26
(1,2096)	1:23:B:VAL:HG13	1:24:B:SER:H	6	0.26
(1,2058)	1:49:B:ALA:H	1:52:B:ALA:H	20	0.26
(1,2034)	1:26:B:VAL:HA	1:25:B:THR:HA	6	0.26
(1,2034)	1:26:B:VAL:HA	1:25:B:THR:HA	15	0.26
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE1	9	0.26
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE2	9	0.26
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE1	13	0.26
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE2	13	0.26
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE1	9	0.26
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE2	9	0.26
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE1	13	0.26
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE2	13	0.26
(1,1999)	1:72:A:ILE:HD11	1:73:A:LYS:H	4	0.26
(1,1999)	1:72:A:ILE:HD12	1:73:A:LYS:H	4	0.26
(1,1999)	1:72:A:ILE:HD13	1:73:A:LYS:H	4	0.26
(1,1998)	1:72:B:ILE:HD11	1:73:B:LYS:H	4	0.26
(1,1998)	1:72:B:ILE:HD12	1:73:B:LYS:H	4	0.26
(1,1998)	1:72:B:ILE:HD13	1:73:B:LYS:H	4	0.26
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD11	13	0.26
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD12	13	0.26
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD13	13	0.26
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD11	13	0.26
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD12	13	0.26
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD13	13	0.26
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD11	13	0.26
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD12	13	0.26
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD13	13	0.26
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD11	13	0.26
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD12	13	0.26
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD13	13	0.26
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD11	13	0.26
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD12	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD13	13	0.26
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD11	13	0.26
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD12	13	0.26
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD13	13	0.26
(1,1945)	1:98:A:ARG:H	1:98:A:ARG:HD3	19	0.26
(1,1944)	1:98:B:ARG:H	1:98:B:ARG:HD3	19	0.26
(1,1931)	1:61:A:PRO:HG2	1:54:A:LEU:HD21	18	0.26
(1,1931)	1:61:A:PRO:HG2	1:54:A:LEU:HD22	18	0.26
(1,1931)	1:61:A:PRO:HG2	1:54:A:LEU:HD23	18	0.26
(1,1912)	1:94:A:ILE:HG21	1:97:A:ARG:H	16	0.26
(1,1912)	1:94:A:ILE:HG22	1:97:A:ARG:H	16	0.26
(1,1912)	1:94:A:ILE:HG23	1:97:A:ARG:H	16	0.26
(1,1911)	1:94:B:ILE:HG21	1:97:B:ARG:H	16	0.26
(1,1911)	1:94:B:ILE:HG22	1:97:B:ARG:H	16	0.26
(1,1911)	1:94:B:ILE:HG23	1:97:B:ARG:H	16	0.26
(1,1887)	1:48:B:MET:H	1:48:B:MET:HG3	10	0.26
(1,1876)	1:93:A:ASN:HA	1:98:A:ARG:H	12	0.26
(1,1858)	1:62:B:THR:HB	1:63:B:ALA:H	10	0.26
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD11	13	0.26
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD12	13	0.26
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD13	13	0.26
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD11	13	0.26
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD12	13	0.26
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD13	13	0.26
(1,1801)	1:84:A:PHE:HD1	1:85:A:ARG:HA	11	0.26
(1,1801)	1:84:A:PHE:HD2	1:85:A:ARG:HA	11	0.26
(1,1748)	1:88:A:ILE:HG21	1:86:A:LYS:H	4	0.26
(1,1748)	1:88:A:ILE:HG22	1:86:A:LYS:H	4	0.26
(1,1748)	1:88:A:ILE:HG23	1:86:A:LYS:H	4	0.26
(1,1747)	1:88:B:ILE:HG21	1:86:B:LYS:H	4	0.26
(1,1747)	1:88:B:ILE:HG22	1:86:B:LYS:H	4	0.26
(1,1747)	1:88:B:ILE:HG23	1:86:B:LYS:H	4	0.26
(1,1747)	1:88:B:ILE:HG21	1:86:B:LYS:H	14	0.26
(1,1747)	1:88:B:ILE:HG22	1:86:B:LYS:H	14	0.26
(1,1747)	1:88:B:ILE:HG23	1:86:B:LYS:H	14	0.26
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD3	7	0.26
(1,1702)	1:84:A:PHE:HA	1:87:A:GLU:H	4	0.26
(1,1701)	1:84:B:PHE:HA	1:87:B:GLU:H	4	0.26
(1,1667)	1:78:B:ILE:HG21	1:92:A:LEU:HA	12	0.26
(1,1667)	1:78:B:ILE:HG22	1:92:A:LEU:HA	12	0.26
(1,1667)	1:78:B:ILE:HG23	1:92:A:LEU:HA	12	0.26
(1,1662)	1:78:B:ILE:HG21	1:79:B:ASN:HD21	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1662)	1:78:B:ILE:HG22	1:79:B:ASN:HD21	20	0.26
(1,1662)	1:78:B:ILE:HG23	1:79:B:ASN:HD21	20	0.26
(1,1653)	1:69:B:TRP:HA	1:67:B:LYS:H	11	0.26
(1,1653)	1:69:B:TRP:HA	1:67:B:LYS:H	16	0.26
(1,1652)	1:69:A:TRP:HA	1:67:A:LYS:H	11	0.26
(1,1652)	1:69:A:TRP:HA	1:67:A:LYS:H	18	0.26
(1,1641)	1:94:A:ILE:H	1:93:A:ASN:HD21	1	0.26
(1,1640)	1:94:B:ILE:H	1:93:B:ASN:HD21	1	0.26
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD21	19	0.26
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD22	19	0.26
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD23	19	0.26
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD21	19	0.26
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD22	19	0.26
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD23	19	0.26
(1,1519)	1:28:B:GLN:H	1:28:B:GLN:HE22	9	0.26
(1,1506)	1:57:B:LEU:H	1:54:B:LEU:HB3	3	0.26
(1,1500)	1:65:A:ILE:HD11	1:66:A:LEU:H	20	0.26
(1,1500)	1:65:A:ILE:HD12	1:66:A:LEU:H	20	0.26
(1,1500)	1:65:A:ILE:HD13	1:66:A:LEU:H	20	0.26
(1,1499)	1:65:B:ILE:HD11	1:66:B:LEU:H	12	0.26
(1,1499)	1:65:B:ILE:HD12	1:66:B:LEU:H	12	0.26
(1,1499)	1:65:B:ILE:HD13	1:66:B:LEU:H	12	0.26
(1,1499)	1:65:B:ILE:HD11	1:66:B:LEU:H	20	0.26
(1,1499)	1:65:B:ILE:HD12	1:66:B:LEU:H	20	0.26
(1,1499)	1:65:B:ILE:HD13	1:66:B:LEU:H	20	0.26
(1,1448)	1:91:B:MET:HA	1:94:B:ILE:H	12	0.26
(1,1435)	1:57:B:LEU:HD11	1:57:B:LEU:H	2	0.26
(1,1435)	1:57:B:LEU:HD12	1:57:B:LEU:H	2	0.26
(1,1435)	1:57:B:LEU:HD13	1:57:B:LEU:H	2	0.26
(1,1435)	1:57:B:LEU:HD11	1:57:B:LEU:H	12	0.26
(1,1435)	1:57:B:LEU:HD12	1:57:B:LEU:H	12	0.26
(1,1435)	1:57:B:LEU:HD13	1:57:B:LEU:H	12	0.26
(1,1435)	1:57:B:LEU:HD11	1:57:B:LEU:H	17	0.26
(1,1435)	1:57:B:LEU:HD12	1:57:B:LEU:H	17	0.26
(1,1435)	1:57:B:LEU:HD13	1:57:B:LEU:H	17	0.26
(1,1434)	1:57:A:LEU:HD11	1:57:A:LEU:H	2	0.26
(1,1434)	1:57:A:LEU:HD12	1:57:A:LEU:H	2	0.26
(1,1434)	1:57:A:LEU:HD13	1:57:A:LEU:H	2	0.26
(1,1434)	1:57:A:LEU:HD11	1:57:A:LEU:H	12	0.26
(1,1434)	1:57:A:LEU:HD12	1:57:A:LEU:H	12	0.26
(1,1434)	1:57:A:LEU:HD13	1:57:A:LEU:H	12	0.26
(1,1433)	1:57:A:LEU:HD11	1:57:A:LEU:H	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1433)	1:57:A:LEU:HD12	1:57:A:LEU:H	2	0.26
(1,1433)	1:57:A:LEU:HD13	1:57:A:LEU:H	2	0.26
(1,1433)	1:57:A:LEU:HD11	1:57:A:LEU:H	12	0.26
(1,1433)	1:57:A:LEU:HD12	1:57:A:LEU:H	12	0.26
(1,1433)	1:57:A:LEU:HD13	1:57:A:LEU:H	12	0.26
(1,1420)	1:95:A:LEU:HD11	1:74:B:LYS:HA	4	0.26
(1,1420)	1:95:A:LEU:HD12	1:74:B:LYS:HA	4	0.26
(1,1420)	1:95:A:LEU:HD13	1:74:B:LYS:HA	4	0.26
(1,1420)	1:95:A:LEU:HD11	1:74:B:LYS:HA	17	0.26
(1,1420)	1:95:A:LEU:HD12	1:74:B:LYS:HA	17	0.26
(1,1420)	1:95:A:LEU:HD13	1:74:B:LYS:HA	17	0.26
(1,1358)	1:29:B:LEU:HG	1:28:B:GLN:HE21	14	0.26
(1,1350)	1:28:A:GLN:HA	1:31:A:LYS:H	1	0.26
(1,1349)	1:28:B:GLN:HA	1:31:B:LYS:H	1	0.26
(1,1311)	1:95:A:LEU:HD11	1:69:B:TRP:HH2	3	0.26
(1,1311)	1:95:A:LEU:HD12	1:69:B:TRP:HH2	3	0.26
(1,1311)	1:95:A:LEU:HD13	1:69:B:TRP:HH2	3	0.26
(1,1262)	1:42:A:GLY:HA2	1:43:A:PRO:HD3	9	0.26
(1,1208)	1:80:B:VAL:HG21	1:79:B:ASN:HB2	14	0.26
(1,1208)	1:80:B:VAL:HG22	1:79:B:ASN:HB2	14	0.26
(1,1208)	1:80:B:VAL:HG23	1:79:B:ASN:HB2	14	0.26
(1,1175)	1:94:A:ILE:HA	1:97:A:ARG:H	7	0.26
(1,1174)	1:94:B:ILE:HA	1:97:B:ARG:H	3	0.26
(1,1147)	1:25:B:THR:HG21	1:24:B:SER:HA	13	0.26
(1,1147)	1:25:B:THR:HG22	1:24:B:SER:HA	13	0.26
(1,1147)	1:25:B:THR:HG23	1:24:B:SER:HA	13	0.26
(1,1146)	1:25:A:THR:HG21	1:24:A:SER:HA	13	0.26
(1,1146)	1:25:A:THR:HG22	1:24:A:SER:HA	13	0.26
(1,1146)	1:25:A:THR:HG23	1:24:A:SER:HA	13	0.26
(1,1136)	1:77:A:ALA:HB1	1:74:A:LYS:HA	1	0.26
(1,1136)	1:77:A:ALA:HB2	1:74:A:LYS:HA	1	0.26
(1,1136)	1:77:A:ALA:HB3	1:74:A:LYS:HA	1	0.26
(1,1114)	1:92:A:LEU:HD21	1:82:B:ARG:H	4	0.26
(1,1114)	1:92:A:LEU:HD22	1:82:B:ARG:H	4	0.26
(1,1114)	1:92:A:LEU:HD23	1:82:B:ARG:H	4	0.26
(1,1114)	1:92:A:LEU:HD21	1:82:B:ARG:H	13	0.26
(1,1114)	1:92:A:LEU:HD22	1:82:B:ARG:H	13	0.26
(1,1114)	1:92:A:LEU:HD23	1:82:B:ARG:H	13	0.26
(1,1063)	1:27:A:GLN:H	1:29:A:LEU:H	15	0.26
(1,1061)	1:81:A:LEU:H	1:81:A:LEU:HD21	6	0.26
(1,1061)	1:81:A:LEU:H	1:81:A:LEU:HD22	6	0.26
(1,1061)	1:81:A:LEU:H	1:81:A:LEU:HD23	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG21	12	0.26
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG22	12	0.26
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG23	12	0.26
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG21	17	0.26
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG22	17	0.26
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG23	17	0.26
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG21	18	0.26
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG22	18	0.26
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG23	18	0.26
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG21	17	0.26
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG22	17	0.26
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG23	17	0.26
(1,1034)	1:57:B:LEU:HD11	1:45:A:LYS:H	10	0.26
(1,1034)	1:57:B:LEU:HD12	1:45:A:LYS:H	10	0.26
(1,1034)	1:57:B:LEU:HD13	1:45:A:LYS:H	10	0.26
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD11	4	0.26
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD12	4	0.26
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD13	4	0.26
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD11	7	0.26
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD12	7	0.26
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD13	7	0.26
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD11	19	0.26
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD12	19	0.26
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD13	19	0.26
(1,985)	1:23:B:VAL:HG11	1:24:B:SER:H	12	0.26
(1,985)	1:23:B:VAL:HG12	1:24:B:SER:H	12	0.26
(1,985)	1:23:B:VAL:HG13	1:24:B:SER:H	12	0.26
(1,939)	1:87:A:GLU:HA	1:90:A:ARG:HD2	20	0.26
(1,938)	1:87:B:GLU:HA	1:90:B:ARG:HD2	20	0.26
(1,898)	1:65:A:ILE:HD11	1:26:A:VAL:HA	20	0.26
(1,898)	1:65:A:ILE:HD12	1:26:A:VAL:HA	20	0.26
(1,898)	1:65:A:ILE:HD13	1:26:A:VAL:HA	20	0.26
(1,897)	1:65:B:ILE:HD11	1:26:B:VAL:HA	20	0.26
(1,897)	1:65:B:ILE:HD12	1:26:B:VAL:HA	20	0.26
(1,897)	1:65:B:ILE:HD13	1:26:B:VAL:HA	20	0.26
(1,850)	1:95:B:LEU:H	1:93:B:ASN:HA	6	0.26
(1,850)	1:95:B:LEU:H	1:93:B:ASN:HA	7	0.26
(1,849)	1:95:A:LEU:H	1:93:A:ASN:HA	7	0.26
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG21	7	0.26
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG22	7	0.26
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG23	7	0.26
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG21	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG22	7	0.26
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG23	7	0.26
(1,808)	1:90:B:ARG:HA	1:90:B:ARG:HD3	2	0.26
(1,807)	1:90:A:ARG:HA	1:90:A:ARG:HD3	2	0.26
(1,782)	1:21:A:ASN:HB3	1:23:A:VAL:H	16	0.26
(1,781)	1:22:B:ARG:H	1:23:B:VAL:HG11	3	0.26
(1,781)	1:22:B:ARG:H	1:23:B:VAL:HG12	3	0.26
(1,781)	1:22:B:ARG:H	1:23:B:VAL:HG13	3	0.26
(1,767)	1:25:B:THR:HG21	1:54:B:LEU:HG	19	0.26
(1,767)	1:25:B:THR:HG22	1:54:B:LEU:HG	19	0.26
(1,767)	1:25:B:THR:HG23	1:54:B:LEU:HG	19	0.26
(1,766)	1:25:A:THR:HG21	1:54:A:LEU:HG	19	0.26
(1,766)	1:25:A:THR:HG22	1:54:A:LEU:HG	19	0.26
(1,766)	1:25:A:THR:HG23	1:54:A:LEU:HG	19	0.26
(1,759)	1:22:A:ARG:HG3	1:22:A:ARG:H	14	0.26
(1,742)	1:77:B:ALA:H	1:80:B:VAL:H	10	0.26
(1,742)	1:77:B:ALA:H	1:80:B:VAL:H	20	0.26
(1,741)	1:77:A:ALA:H	1:80:A:VAL:H	3	0.26
(1,741)	1:77:A:ALA:H	1:80:A:VAL:H	10	0.26
(1,711)	1:66:B:LEU:H	1:64:B:GLY:H	5	0.26
(1,711)	1:66:B:LEU:H	1:64:B:GLY:H	18	0.26
(1,710)	1:66:A:LEU:H	1:64:A:GLY:H	5	0.26
(1,710)	1:66:A:LEU:H	1:64:A:GLY:H	18	0.26
(1,704)	1:79:B:ASN:H	1:79:B:ASN:HB2	4	0.26
(1,662)	1:62:B:THR:H	1:66:B:LEU:H	4	0.26
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD11	11	0.26
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD12	11	0.26
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD13	11	0.26
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD11	11	0.26
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD12	11	0.26
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD13	11	0.26
(1,550)	1:25:B:THR:H	1:29:B:LEU:H	20	0.26
(1,523)	1:79:B:ASN:H	1:78:B:ILE:HB	5	0.26
(1,516)	1:79:A:ASN:H	1:77:A:ALA:H	15	0.26
(1,515)	1:79:B:ASN:H	1:77:B:ALA:H	9	0.26
(1,515)	1:79:B:ASN:H	1:77:B:ALA:H	15	0.26
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB1	18	0.26
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB2	18	0.26
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB3	18	0.26
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB1	18	0.26
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB2	18	0.26
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB3	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB1	18	0.26
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB2	18	0.26
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB3	18	0.26
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB1	20	0.26
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB2	20	0.26
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB3	20	0.26
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB1	20	0.26
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB2	20	0.26
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB3	20	0.26
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB1	20	0.26
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB2	20	0.26
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB3	20	0.26
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB1	18	0.26
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB2	18	0.26
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB3	18	0.26
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB1	18	0.26
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB2	18	0.26
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB3	18	0.26
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB1	18	0.26
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB2	18	0.26
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB3	18	0.26
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB1	20	0.26
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB2	20	0.26
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB3	20	0.26
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB1	20	0.26
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB2	20	0.26
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB3	20	0.26
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB1	20	0.26
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB2	20	0.26
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB3	20	0.26
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB1	16	0.26
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB2	16	0.26
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB3	16	0.26
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB1	16	0.26
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB2	16	0.26
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB3	16	0.26
(1,347)	1:90:A:ARG:H	1:90:A:ARG:HG2	12	0.26
(1,341)	1:75:A:SER:H	1:75:A:SER:HB2	7	0.26
(1,336)	1:64:A:GLY:HA3	1:63:A:ALA:HB1	6	0.26
(1,336)	1:64:A:GLY:HA3	1:63:A:ALA:HB2	6	0.26
(1,336)	1:64:A:GLY:HA3	1:63:A:ALA:HB3	6	0.26
(1,332)	1:62:B:THR:HG21	1:64:B:GLY:HA2	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,332)	1:62:B:THR:HG22	1:64:B:GLY:HA2	13	0.26
(1,332)	1:62:B:THR:HG23	1:64:B:GLY:HA2	13	0.26
(1,321)	1:95:B:LEU:HA	1:98:B:ARG:HD2	8	0.26
(1,320)	1:95:A:LEU:HA	1:98:A:ARG:HD2	8	0.26
(1,320)	1:95:A:LEU:HA	1:98:A:ARG:HD2	11	0.26
(1,291)	1:25:B:THR:HG21	1:26:B:VAL:H	10	0.26
(1,291)	1:25:B:THR:HG22	1:26:B:VAL:H	10	0.26
(1,291)	1:25:B:THR:HG23	1:26:B:VAL:H	10	0.26
(1,260)	1:95:B:LEU:HD11	1:74:A:LYS:HB3	2	0.26
(1,260)	1:95:B:LEU:HD12	1:74:A:LYS:HB3	2	0.26
(1,260)	1:95:B:LEU:HD13	1:74:A:LYS:HB3	2	0.26
(1,56)	1:49:A:ALA:HB1	1:56:B:PHE:HE1	9	0.26
(1,56)	1:49:A:ALA:HB1	1:56:B:PHE:HE2	9	0.26
(1,56)	1:49:A:ALA:HB2	1:56:B:PHE:HE1	9	0.26
(1,56)	1:49:A:ALA:HB2	1:56:B:PHE:HE2	9	0.26
(1,56)	1:49:A:ALA:HB3	1:56:B:PHE:HE1	9	0.26
(1,56)	1:49:A:ALA:HB3	1:56:B:PHE:HE2	9	0.26
(1,31)	1:95:A:LEU:HD11	1:74:B:LYS:HA	4	0.26
(1,31)	1:95:A:LEU:HD12	1:74:B:LYS:HA	4	0.26
(1,31)	1:95:A:LEU:HD13	1:74:B:LYS:HA	4	0.26
(1,31)	1:95:A:LEU:HD11	1:74:B:LYS:HA	17	0.26
(1,31)	1:95:A:LEU:HD12	1:74:B:LYS:HA	17	0.26
(1,31)	1:95:A:LEU:HD13	1:74:B:LYS:HA	17	0.26
(1,2)	1:57:B:LEU:HD11	1:45:A:LYS:H	10	0.26
(1,2)	1:57:B:LEU:HD12	1:45:A:LYS:H	10	0.26
(1,2)	1:57:B:LEU:HD13	1:45:A:LYS:H	10	0.26
(2,353)	1:24:A:SER:HB3	1:25:A:THR:H	11	0.25
(2,346)	1:90:B:ARG:H	1:90:B:ARG:HG3	7	0.25
(2,340)	1:77:A:ALA:H	1:76:A:LYS:HE2	12	0.25
(2,322)	1:67:B:LYS:HA	1:67:B:LYS:HD3	5	0.25
(2,299)	1:48:B:MET:HG3	1:81:B:LEU:HG	5	0.25
(2,217)	1:80:B:VAL:H	1:79:B:ASN:HD21	14	0.25
(2,205)	1:48:A:MET:HB3	1:80:A:VAL:HB	8	0.25
(2,164)	1:81:B:LEU:H	1:84:B:PHE:HB2	15	0.25
(2,140)	1:41:A:ARG:HD3	1:42:A:GLY:H	7	0.25
(2,18)	1:65:B:ILE:HD11	1:61:B:PRO:HB3	12	0.25
(2,18)	1:65:B:ILE:HD12	1:61:B:PRO:HB3	12	0.25
(2,18)	1:65:B:ILE:HD13	1:61:B:PRO:HB3	12	0.25
(2,2)	1:41:B:ARG:HD3	1:42:B:GLY:H	7	0.25
(1,3429)	1:78:A:ILE:HG21	1:81:A:LEU:H	5	0.25
(1,3429)	1:78:A:ILE:HG22	1:81:A:LEU:H	5	0.25
(1,3429)	1:78:A:ILE:HG23	1:81:A:LEU:H	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3406)	1:77:A:ALA:HB1	1:76:A:LYS:H	3	0.25
(1,3406)	1:77:A:ALA:HB2	1:76:A:LYS:H	3	0.25
(1,3406)	1:77:A:ALA:HB3	1:76:A:LYS:H	3	0.25
(1,3406)	1:77:A:ALA:HB1	1:76:A:LYS:H	8	0.25
(1,3406)	1:77:A:ALA:HB2	1:76:A:LYS:H	8	0.25
(1,3406)	1:77:A:ALA:HB3	1:76:A:LYS:H	8	0.25
(1,3405)	1:77:B:ALA:HB1	1:76:B:LYS:H	3	0.25
(1,3405)	1:77:B:ALA:HB2	1:76:B:LYS:H	3	0.25
(1,3405)	1:77:B:ALA:HB3	1:76:B:LYS:H	3	0.25
(1,3405)	1:77:B:ALA:HB1	1:76:B:LYS:H	8	0.25
(1,3405)	1:77:B:ALA:HB2	1:76:B:LYS:H	8	0.25
(1,3405)	1:77:B:ALA:HB3	1:76:B:LYS:H	8	0.25
(1,3404)	1:29:B:LEU:H	1:30:B:THR:HA	17	0.25
(1,3403)	1:29:A:LEU:H	1:30:A:THR:HA	17	0.25
(1,3386)	1:77:A:ALA:HB1	1:95:B:LEU:HB2	9	0.25
(1,3386)	1:77:A:ALA:HB2	1:95:B:LEU:HB2	9	0.25
(1,3386)	1:77:A:ALA:HB3	1:95:B:LEU:HB2	9	0.25
(1,3340)	1:62:B:THR:HA	1:25:B:THR:HB	17	0.25
(1,3334)	1:97:A:ARG:HA	1:94:A:ILE:HA	16	0.25
(1,3280)	1:88:B:ILE:HG12	1:52:A:ALA:HA	9	0.25
(1,3270)	1:44:A:LEU:H	1:47:A:PHE:HB2	6	0.25
(1,3270)	1:44:A:LEU:H	1:47:A:PHE:HB2	20	0.25
(1,3269)	1:44:B:LEU:H	1:47:B:PHE:HB2	6	0.25
(1,3269)	1:44:B:LEU:H	1:47:B:PHE:HB2	20	0.25
(1,3252)	1:49:A:ALA:HB1	1:53:A:PHE:H	5	0.25
(1,3252)	1:49:A:ALA:HB2	1:53:A:PHE:H	5	0.25
(1,3252)	1:49:A:ALA:HB3	1:53:A:PHE:H	5	0.25
(1,3183)	1:48:A:MET:HG3	1:81:A:LEU:HG	5	0.25
(1,3171)	1:57:B:LEU:HD11	1:53:B:PHE:HB3	20	0.25
(1,3171)	1:57:B:LEU:HD12	1:53:B:PHE:HB3	20	0.25
(1,3171)	1:57:B:LEU:HD13	1:53:B:PHE:HB3	20	0.25
(1,3086)	1:67:A:LYS:HA	1:67:A:LYS:HD3	5	0.25
(1,3064)	1:69:A:TRP:HE3	1:51:A:VAL:HB	5	0.25
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD11	7	0.25
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD12	7	0.25
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD13	7	0.25
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD11	7	0.25
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD12	7	0.25
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD13	7	0.25
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD11	7	0.25
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD12	7	0.25
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD13	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD11	7	0.25
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD12	7	0.25
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD13	7	0.25
(1,2973)	1:62:B:THR:HG21	1:23:B:VAL:HG21	7	0.25
(1,2973)	1:62:B:THR:HG21	1:23:B:VAL:HG22	7	0.25
(1,2973)	1:62:B:THR:HG21	1:23:B:VAL:HG23	7	0.25
(1,2973)	1:62:B:THR:HG22	1:23:B:VAL:HG21	7	0.25
(1,2973)	1:62:B:THR:HG22	1:23:B:VAL:HG22	7	0.25
(1,2973)	1:62:B:THR:HG22	1:23:B:VAL:HG23	7	0.25
(1,2973)	1:62:B:THR:HG23	1:23:B:VAL:HG21	7	0.25
(1,2973)	1:62:B:THR:HG23	1:23:B:VAL:HG22	7	0.25
(1,2973)	1:62:B:THR:HG23	1:23:B:VAL:HG23	7	0.25
(1,2966)	1:80:A:VAL:HG21	1:84:A:PHE:HB2	7	0.25
(1,2966)	1:80:A:VAL:HG22	1:84:A:PHE:HB2	7	0.25
(1,2966)	1:80:A:VAL:HG23	1:84:A:PHE:HB2	7	0.25
(1,2949)	1:51:A:VAL:HA	1:54:A:LEU:H	17	0.25
(1,2948)	1:51:B:VAL:HA	1:54:B:LEU:H	17	0.25
(1,2893)	1:87:A:GLU:HG2	1:87:A:GLU:H	3	0.25
(1,2848)	1:89:B:GLY:H	1:86:B:LYS:HA	14	0.25
(1,2847)	1:89:A:GLY:H	1:86:A:LYS:HA	14	0.25
(1,2718)	1:63:A:ALA:HB1	1:66:A:LEU:H	18	0.25
(1,2718)	1:63:A:ALA:HB2	1:66:A:LEU:H	18	0.25
(1,2718)	1:63:A:ALA:HB3	1:66:A:LEU:H	18	0.25
(1,2717)	1:63:B:ALA:HB1	1:66:B:LEU:H	18	0.25
(1,2717)	1:63:B:ALA:HB2	1:66:B:LEU:H	18	0.25
(1,2717)	1:63:B:ALA:HB3	1:66:B:LEU:H	18	0.25
(1,2688)	1:77:B:ALA:H	1:76:B:LYS:HE2	12	0.25
(1,2600)	1:90:B:ARG:HA	1:93:B:ASN:HB3	4	0.25
(1,2600)	1:90:B:ARG:HA	1:93:B:ASN:HB3	17	0.25
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG21	17	0.25
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG22	17	0.25
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG23	17	0.25
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG21	17	0.25
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG22	17	0.25
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG23	17	0.25
(1,2553)	1:94:B:ILE:HG13	1:93:B:ASN:HB3	12	0.25
(1,2551)	1:58:A:THR:HA	1:59:A:ILE:HA	20	0.25
(1,2517)	1:80:A:VAL:HG21	1:84:A:PHE:H	9	0.25
(1,2517)	1:80:A:VAL:HG22	1:84:A:PHE:H	9	0.25
(1,2517)	1:80:A:VAL:HG23	1:84:A:PHE:H	9	0.25
(1,2517)	1:80:A:VAL:HG21	1:84:A:PHE:H	17	0.25
(1,2517)	1:80:A:VAL:HG22	1:84:A:PHE:H	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2517)	1:80:A:VAL:HG23	1:84:A:PHE:H	17	0.25
(1,2431)	1:48:B:MET:HB3	1:45:B:LYS:HA	4	0.25
(1,2430)	1:48:A:MET:HB3	1:45:A:LYS:HA	4	0.25
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB3	14	0.25
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB3	14	0.25
(1,2242)	1:91:B:MET:HB2	1:93:B:ASN:H	6	0.25
(1,2242)	1:91:B:MET:HB2	1:93:B:ASN:H	13	0.25
(1,2229)	1:43:B:PRO:HB2	1:44:B:LEU:H	17	0.25
(1,2210)	1:24:B:SER:HB2	1:23:B:VAL:HB	17	0.25
(1,2057)	1:49:A:ALA:H	1:52:A:ALA:H	20	0.25
(1,2033)	1:26:A:VAL:HA	1:25:A:THR:HA	11	0.25
(1,2033)	1:26:A:VAL:HA	1:25:A:THR:HA	15	0.25
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE1	12	0.25
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE2	12	0.25
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE1	12	0.25
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE2	12	0.25
(1,1952)	1:62:A:THR:HA	1:24:A:SER:H	15	0.25
(1,1932)	1:61:B:PRO:HG2	1:54:B:LEU:HD21	18	0.25
(1,1932)	1:61:B:PRO:HG2	1:54:B:LEU:HD22	18	0.25
(1,1932)	1:61:B:PRO:HG2	1:54:B:LEU:HD23	18	0.25
(1,1920)	1:57:A:LEU:H	1:58:A:THR:H	3	0.25
(1,1917)	1:49:B:ALA:HB1	1:57:A:LEU:HA	7	0.25
(1,1917)	1:49:B:ALA:HB2	1:57:A:LEU:HA	7	0.25
(1,1917)	1:49:B:ALA:HB3	1:57:A:LEU:HA	7	0.25
(1,1859)	1:62:A:THR:HB	1:63:A:ALA:H	10	0.25
(1,1858)	1:62:B:THR:HB	1:63:B:ALA:H	1	0.25
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD11	9	0.25
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD12	9	0.25
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD13	9	0.25
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD11	9	0.25
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD12	9	0.25
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD13	9	0.25
(1,1748)	1:88:A:ILE:HG21	1:86:A:LYS:H	14	0.25
(1,1748)	1:88:A:ILE:HG22	1:86:A:LYS:H	14	0.25
(1,1748)	1:88:A:ILE:HG23	1:86:A:LYS:H	14	0.25
(1,1739)	1:82:A:ARG:HA	1:85:A:ARG:H	5	0.25
(1,1731)	1:57:B:LEU:HB3	1:59:B:ILE:HG21	5	0.25
(1,1731)	1:57:B:LEU:HB3	1:59:B:ILE:HG22	5	0.25
(1,1731)	1:57:B:LEU:HB3	1:59:B:ILE:HG23	5	0.25
(1,1730)	1:57:A:LEU:HB3	1:59:A:ILE:HG21	5	0.25
(1,1730)	1:57:A:LEU:HB3	1:59:A:ILE:HG22	5	0.25
(1,1730)	1:57:A:LEU:HB3	1:59:A:ILE:HG23	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1711)	1:82:B:ARG:HA	1:85:B:ARG:HD3	17	0.25
(1,1710)	1:82:A:ARG:HA	1:85:A:ARG:HD3	17	0.25
(1,1704)	1:100:A:ARG:HA	1:100:A:ARG:HD2	11	0.25
(1,1703)	1:100:B:ARG:HA	1:100:B:ARG:HD2	11	0.25
(1,1702)	1:84:A:PHE:HA	1:87:A:GLU:H	11	0.25
(1,1701)	1:84:B:PHE:HA	1:87:B:GLU:H	11	0.25
(1,1701)	1:84:B:PHE:HA	1:87:B:GLU:H	18	0.25
(1,1698)	1:81:A:LEU:H	1:84:A:PHE:HB2	15	0.25
(1,1682)	1:80:A:VAL:H	1:79:A:ASN:HD21	14	0.25
(1,1653)	1:69:B:TRP:HA	1:67:B:LYS:H	6	0.25
(1,1653)	1:69:B:TRP:HA	1:67:B:LYS:H	12	0.25
(1,1652)	1:69:A:TRP:HA	1:67:A:LYS:H	6	0.25
(1,1652)	1:69:A:TRP:HA	1:67:A:LYS:H	12	0.25
(1,1540)	1:51:B:VAL:HG11	1:65:B:ILE:HG21	2	0.25
(1,1540)	1:51:B:VAL:HG11	1:65:B:ILE:HG22	2	0.25
(1,1540)	1:51:B:VAL:HG11	1:65:B:ILE:HG23	2	0.25
(1,1540)	1:51:B:VAL:HG12	1:65:B:ILE:HG21	2	0.25
(1,1540)	1:51:B:VAL:HG12	1:65:B:ILE:HG22	2	0.25
(1,1540)	1:51:B:VAL:HG12	1:65:B:ILE:HG23	2	0.25
(1,1540)	1:51:B:VAL:HG13	1:65:B:ILE:HG21	2	0.25
(1,1540)	1:51:B:VAL:HG13	1:65:B:ILE:HG22	2	0.25
(1,1540)	1:51:B:VAL:HG13	1:65:B:ILE:HG23	2	0.25
(1,1539)	1:51:A:VAL:HG11	1:65:A:ILE:HG21	2	0.25
(1,1539)	1:51:A:VAL:HG11	1:65:A:ILE:HG22	2	0.25
(1,1539)	1:51:A:VAL:HG11	1:65:A:ILE:HG23	2	0.25
(1,1539)	1:51:A:VAL:HG12	1:65:A:ILE:HG21	2	0.25
(1,1539)	1:51:A:VAL:HG12	1:65:A:ILE:HG22	2	0.25
(1,1539)	1:51:A:VAL:HG12	1:65:A:ILE:HG23	2	0.25
(1,1539)	1:51:A:VAL:HG13	1:65:A:ILE:HG21	2	0.25
(1,1539)	1:51:A:VAL:HG13	1:65:A:ILE:HG22	2	0.25
(1,1539)	1:51:A:VAL:HG13	1:65:A:ILE:HG23	2	0.25
(1,1520)	1:28:A:GLN:H	1:28:A:GLN:HE22	9	0.25
(1,1505)	1:57:A:LEU:H	1:54:A:LEU:HB3	3	0.25
(1,1500)	1:65:A:ILE:HD11	1:66:A:LEU:H	12	0.25
(1,1500)	1:65:A:ILE:HD12	1:66:A:LEU:H	12	0.25
(1,1500)	1:65:A:ILE:HD13	1:66:A:LEU:H	12	0.25
(1,1499)	1:65:B:ILE:HD11	1:66:B:LEU:H	8	0.25
(1,1499)	1:65:B:ILE:HD12	1:66:B:LEU:H	8	0.25
(1,1499)	1:65:B:ILE:HD13	1:66:B:LEU:H	8	0.25
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG11	7	0.25
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG12	7	0.25
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG13	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1450)	1:98:A:ARG:H	1:97:A:ARG:HB2	8	0.25
(1,1435)	1:57:B:LEU:HD11	1:57:B:LEU:H	3	0.25
(1,1435)	1:57:B:LEU:HD12	1:57:B:LEU:H	3	0.25
(1,1435)	1:57:B:LEU:HD13	1:57:B:LEU:H	3	0.25
(1,1435)	1:57:B:LEU:HD11	1:57:B:LEU:H	20	0.25
(1,1435)	1:57:B:LEU:HD12	1:57:B:LEU:H	20	0.25
(1,1435)	1:57:B:LEU:HD13	1:57:B:LEU:H	20	0.25
(1,1434)	1:57:A:LEU:HD11	1:57:A:LEU:H	3	0.25
(1,1434)	1:57:A:LEU:HD12	1:57:A:LEU:H	3	0.25
(1,1434)	1:57:A:LEU:HD13	1:57:A:LEU:H	3	0.25
(1,1434)	1:57:A:LEU:HD11	1:57:A:LEU:H	20	0.25
(1,1434)	1:57:A:LEU:HD12	1:57:A:LEU:H	20	0.25
(1,1434)	1:57:A:LEU:HD13	1:57:A:LEU:H	20	0.25
(1,1433)	1:57:A:LEU:HD11	1:57:A:LEU:H	3	0.25
(1,1433)	1:57:A:LEU:HD12	1:57:A:LEU:H	3	0.25
(1,1433)	1:57:A:LEU:HD13	1:57:A:LEU:H	3	0.25
(1,1433)	1:57:A:LEU:HD11	1:57:A:LEU:H	20	0.25
(1,1433)	1:57:A:LEU:HD12	1:57:A:LEU:H	20	0.25
(1,1433)	1:57:A:LEU:HD13	1:57:A:LEU:H	20	0.25
(1,1423)	1:44:B:LEU:HD11	1:72:B:ILE:HA	9	0.25
(1,1423)	1:44:B:LEU:HD12	1:72:B:ILE:HA	9	0.25
(1,1423)	1:44:B:LEU:HD13	1:72:B:ILE:HA	9	0.25
(1,1422)	1:44:A:LEU:HD11	1:72:A:ILE:HA	9	0.25
(1,1422)	1:44:A:LEU:HD12	1:72:A:ILE:HA	9	0.25
(1,1422)	1:44:A:LEU:HD13	1:72:A:ILE:HA	9	0.25
(1,1357)	1:29:A:LEU:HG	1:28:A:GLN:HE21	14	0.25
(1,1332)	1:45:A:LYS:HG2	1:45:A:LYS:H	5	0.25
(1,1263)	1:42:B:GLY:HA2	1:43:B:PRO:HD3	9	0.25
(1,1245)	1:62:A:THR:HB	1:64:A:GLY:H	10	0.25
(1,1244)	1:62:B:THR:HB	1:64:B:GLY:H	10	0.25
(1,1199)	1:58:B:THR:HA	1:58:B:THR:H	2	0.25
(1,1199)	1:58:B:THR:HA	1:58:B:THR:H	7	0.25
(1,1198)	1:58:A:THR:HA	1:58:A:THR:H	7	0.25
(1,1195)	1:42:A:GLY:HA2	1:43:A:PRO:HG3	11	0.25
(1,1194)	1:42:B:GLY:HA2	1:43:B:PRO:HG3	11	0.25
(1,1181)	1:69:B:TRP:HZ2	1:94:A:ILE:HB	11	0.25
(1,1175)	1:94:A:ILE:HA	1:97:A:ARG:H	3	0.25
(1,1143)	1:83:A:GLY:HA2	1:86:A:LYS:HB2	15	0.25
(1,1114)	1:92:A:LEU:HD21	1:82:B:ARG:H	5	0.25
(1,1114)	1:92:A:LEU:HD22	1:82:B:ARG:H	5	0.25
(1,1114)	1:92:A:LEU:HD23	1:82:B:ARG:H	5	0.25
(1,1081)	1:45:A:LYS:HA	1:47:A:PHE:H	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	1:27:A:GLN:H	1:29:A:LEU:H	4	0.25
(1,1063)	1:27:A:GLN:H	1:29:A:LEU:H	5	0.25
(1,1062)	1:27:B:GLN:H	1:29:B:LEU:H	15	0.25
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG21	13	0.25
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG22	13	0.25
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG23	13	0.25
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG21	12	0.25
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG22	12	0.25
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG23	12	0.25
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG21	13	0.25
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG22	13	0.25
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG23	13	0.25
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG21	18	0.25
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG22	18	0.25
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG23	18	0.25
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD11	7	0.25
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD12	7	0.25
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD13	7	0.25
(1,1008)	1:65:A:ILE:HD11	1:61:A:PRO:HB3	11	0.25
(1,1008)	1:65:A:ILE:HD12	1:61:A:PRO:HB3	11	0.25
(1,1008)	1:65:A:ILE:HD13	1:61:A:PRO:HB3	11	0.25
(1,1008)	1:65:A:ILE:HD11	1:61:A:PRO:HB3	12	0.25
(1,1008)	1:65:A:ILE:HD12	1:61:A:PRO:HB3	12	0.25
(1,1008)	1:65:A:ILE:HD13	1:61:A:PRO:HB3	12	0.25
(1,916)	1:69:B:TRP:HZ2	1:95:A:LEU:HG	5	0.25
(1,850)	1:95:B:LEU:H	1:93:B:ASN:HA	3	0.25
(1,850)	1:95:B:LEU:H	1:93:B:ASN:HA	9	0.25
(1,850)	1:95:B:LEU:H	1:93:B:ASN:HA	13	0.25
(1,849)	1:95:A:LEU:H	1:93:A:ASN:HA	3	0.25
(1,849)	1:95:A:LEU:H	1:93:A:ASN:HA	6	0.25
(1,849)	1:95:A:LEU:H	1:93:A:ASN:HA	9	0.25
(1,849)	1:95:A:LEU:H	1:93:A:ASN:HA	13	0.25
(1,807)	1:90:A:ARG:HA	1:90:A:ARG:HD3	1	0.25
(1,763)	1:51:A:VAL:HG21	1:52:A:ALA:H	7	0.25
(1,763)	1:51:A:VAL:HG22	1:52:A:ALA:H	7	0.25
(1,763)	1:51:A:VAL:HG23	1:52:A:ALA:H	7	0.25
(1,763)	1:51:A:VAL:HG21	1:52:A:ALA:H	8	0.25
(1,763)	1:51:A:VAL:HG22	1:52:A:ALA:H	8	0.25
(1,763)	1:51:A:VAL:HG23	1:52:A:ALA:H	8	0.25
(1,762)	1:51:B:VAL:HG21	1:52:B:ALA:H	7	0.25
(1,762)	1:51:B:VAL:HG22	1:52:B:ALA:H	7	0.25
(1,762)	1:51:B:VAL:HG23	1:52:B:ALA:H	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,762)	1:51:B:VAL:HG21	1:52:B:ALA:H	8	0.25
(1,762)	1:51:B:VAL:HG22	1:52:B:ALA:H	8	0.25
(1,762)	1:51:B:VAL:HG23	1:52:B:ALA:H	8	0.25
(1,742)	1:77:B:ALA:H	1:80:B:VAL:H	3	0.25
(1,742)	1:77:B:ALA:H	1:80:B:VAL:H	16	0.25
(1,741)	1:77:A:ALA:H	1:80:A:VAL:H	16	0.25
(1,719)	1:44:A:LEU:HD11	1:73:A:LYS:H	5	0.25
(1,719)	1:44:A:LEU:HD12	1:73:A:LYS:H	5	0.25
(1,719)	1:44:A:LEU:HD13	1:73:A:LYS:H	5	0.25
(1,663)	1:62:A:THR:H	1:66:A:LEU:H	4	0.25
(1,609)	1:87:B:GLU:HA	1:87:B:GLU:HG3	16	0.25
(1,551)	1:25:A:THR:H	1:29:A:LEU:H	20	0.25
(1,547)	1:70:B:GLY:H	1:68:B:ARG:HE	10	0.25
(1,534)	1:92:B:LEU:HD11	1:82:A:ARG:HA	15	0.25
(1,534)	1:92:B:LEU:HD12	1:82:A:ARG:HA	15	0.25
(1,534)	1:92:B:LEU:HD13	1:82:A:ARG:HA	15	0.25
(1,524)	1:79:A:ASN:H	1:78:A:ILE:HB	5	0.25
(1,516)	1:79:A:ASN:H	1:77:A:ALA:H	9	0.25
(1,468)	1:61:A:PRO:HA	1:65:A:ILE:HD11	5	0.25
(1,468)	1:61:A:PRO:HA	1:65:A:ILE:HD12	5	0.25
(1,468)	1:61:A:PRO:HA	1:65:A:ILE:HD13	5	0.25
(1,467)	1:61:B:PRO:HA	1:65:B:ILE:HD11	5	0.25
(1,467)	1:61:B:PRO:HA	1:65:B:ILE:HD12	5	0.25
(1,467)	1:61:B:PRO:HA	1:65:B:ILE:HD13	5	0.25
(1,446)	1:51:A:VAL:HG11	1:52:A:ALA:H	16	0.25
(1,446)	1:51:A:VAL:HG12	1:52:A:ALA:H	16	0.25
(1,446)	1:51:A:VAL:HG13	1:52:A:ALA:H	16	0.25
(1,445)	1:51:B:VAL:HG11	1:52:B:ALA:H	16	0.25
(1,445)	1:51:B:VAL:HG12	1:52:B:ALA:H	16	0.25
(1,445)	1:51:B:VAL:HG13	1:52:B:ALA:H	16	0.25
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB1	12	0.25
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB2	12	0.25
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB3	12	0.25
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB1	12	0.25
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB2	12	0.25
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB3	12	0.25
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB1	12	0.25
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB2	12	0.25
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB3	12	0.25
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB1	12	0.25
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB2	12	0.25
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB3	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB1	12	0.25
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB2	12	0.25
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB3	12	0.25
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB1	12	0.25
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB2	12	0.25
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB3	12	0.25
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB1	5	0.25
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB2	5	0.25
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB3	5	0.25
(1,347)	1:90:A:ARG:H	1:90:A:ARG:HG3	7	0.25
(1,341)	1:75:A:SER:H	1:75:A:SER:HB2	12	0.25
(1,341)	1:75:A:SER:H	1:75:A:SER:HB2	19	0.25
(1,340)	1:75:B:SER:H	1:75:B:SER:HB2	12	0.25
(1,340)	1:75:B:SER:H	1:75:B:SER:HB2	15	0.25
(1,333)	1:62:A:THR:HG21	1:64:A:GLY:HA2	13	0.25
(1,333)	1:62:A:THR:HG22	1:64:A:GLY:HA2	13	0.25
(1,333)	1:62:A:THR:HG23	1:64:A:GLY:HA2	13	0.25
(1,321)	1:95:B:LEU:HA	1:98:B:ARG:HD2	11	0.25
(1,290)	1:25:A:THR:HG21	1:26:A:VAL:H	10	0.25
(1,290)	1:25:A:THR:HG22	1:26:A:VAL:H	10	0.25
(1,290)	1:25:A:THR:HG23	1:26:A:VAL:H	10	0.25
(1,251)	1:24:B:SER:HB2	1:23:B:VAL:HB	17	0.25
(1,192)	1:77:B:ALA:HB1	1:75:B:SER:H	10	0.25
(1,192)	1:77:B:ALA:HB2	1:75:B:SER:H	10	0.25
(1,192)	1:77:B:ALA:HB3	1:75:B:SER:H	10	0.25
(1,192)	1:77:B:ALA:HB1	1:75:B:SER:H	15	0.25
(1,192)	1:77:B:ALA:HB2	1:75:B:SER:H	15	0.25
(1,192)	1:77:B:ALA:HB3	1:75:B:SER:H	15	0.25
(1,191)	1:77:A:ALA:HB1	1:75:A:SER:H	15	0.25
(1,191)	1:77:A:ALA:HB2	1:75:A:SER:H	15	0.25
(1,191)	1:77:A:ALA:HB3	1:75:A:SER:H	15	0.25
(1,146)	1:69:A:TRP:HH2	1:95:B:LEU:H	1	0.25
(1,142)	1:69:A:TRP:HZ2	1:95:B:LEU:H	10	0.25
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD1	14	0.25
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD2	14	0.25
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD1	14	0.25
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD2	14	0.25
(1,42)	1:69:B:TRP:HZ2	1:94:A:ILE:HB	11	0.25
(1,15)	1:55:A:ARG:HB2	1:91:B:MET:HG3	8	0.25
(1,15)	1:55:A:ARG:HB3	1:91:B:MET:HG2	9	0.25
(2,309)	1:21:B:ASN:HB3	1:27:B:GLN:HG3	4	0.24
(2,308)	1:76:A:LYS:HB3	1:76:A:LYS:HA	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,224)	1:21:A:ASN:HB3	1:27:A:GLN:HG3	4	0.24
(2,177)	1:69:B:TRP:H	1:68:B:ARG:HB3	4	0.24
(2,177)	1:69:B:TRP:H	1:68:B:ARG:HB2	14	0.24
(2,164)	1:81:B:LEU:H	1:84:B:PHE:HB2	11	0.24
(2,152)	1:48:A:MET:H	1:48:A:MET:HG3	6	0.24
(2,74)	1:45:B:LYS:HG3	1:45:B:LYS:HD2	3	0.24
(2,74)	1:45:B:LYS:HG3	1:45:B:LYS:HD2	9	0.24
(2,74)	1:45:B:LYS:HG2	1:45:B:LYS:HD2	10	0.24
(2,18)	1:65:B:ILE:HD11	1:61:B:PRO:HB3	11	0.24
(2,18)	1:65:B:ILE:HD12	1:61:B:PRO:HB3	11	0.24
(2,18)	1:65:B:ILE:HD13	1:61:B:PRO:HB3	11	0.24
(2,9)	1:24:B:SER:HB3	1:25:B:THR:H	11	0.24
(1,3428)	1:78:B:ILE:HG21	1:81:B:LEU:H	5	0.24
(1,3428)	1:78:B:ILE:HG22	1:81:B:LEU:H	5	0.24
(1,3428)	1:78:B:ILE:HG23	1:81:B:LEU:H	5	0.24
(1,3404)	1:29:B:LEU:H	1:30:B:THR:HA	13	0.24
(1,3403)	1:29:A:LEU:H	1:30:A:THR:HA	13	0.24
(1,3386)	1:77:A:ALA:HB1	1:95:B:LEU:HB2	20	0.24
(1,3386)	1:77:A:ALA:HB2	1:95:B:LEU:HB2	20	0.24
(1,3386)	1:77:A:ALA:HB3	1:95:B:LEU:HB2	20	0.24
(1,3342)	1:86:A:LYS:HA	1:89:A:GLY:HA2	7	0.24
(1,3333)	1:97:B:ARG:HA	1:94:B:ILE:HA	16	0.24
(1,3321)	1:88:B:ILE:HA	1:90:B:ARG:H	4	0.24
(1,3320)	1:88:A:ILE:HA	1:90:A:ARG:H	4	0.24
(1,3253)	1:49:B:ALA:HB1	1:53:B:PHE:H	5	0.24
(1,3253)	1:49:B:ALA:HB2	1:53:B:PHE:H	5	0.24
(1,3253)	1:49:B:ALA:HB3	1:53:B:PHE:H	5	0.24
(1,3253)	1:49:B:ALA:HB1	1:53:B:PHE:H	8	0.24
(1,3253)	1:49:B:ALA:HB2	1:53:B:PHE:H	8	0.24
(1,3253)	1:49:B:ALA:HB3	1:53:B:PHE:H	8	0.24
(1,3253)	1:49:B:ALA:HB1	1:53:B:PHE:H	13	0.24
(1,3253)	1:49:B:ALA:HB2	1:53:B:PHE:H	13	0.24
(1,3253)	1:49:B:ALA:HB3	1:53:B:PHE:H	13	0.24
(1,3252)	1:49:A:ALA:HB1	1:53:A:PHE:H	8	0.24
(1,3252)	1:49:A:ALA:HB2	1:53:A:PHE:H	8	0.24
(1,3252)	1:49:A:ALA:HB3	1:53:A:PHE:H	8	0.24
(1,3252)	1:49:A:ALA:HB1	1:53:A:PHE:H	13	0.24
(1,3252)	1:49:A:ALA:HB2	1:53:A:PHE:H	13	0.24
(1,3252)	1:49:A:ALA:HB3	1:53:A:PHE:H	13	0.24
(1,3249)	1:76:B:LYS:HB3	1:76:B:LYS:HA	3	0.24
(1,3249)	1:76:B:LYS:HB3	1:76:B:LYS:HA	13	0.24
(1,3236)	1:22:A:ARG:HB3	1:23:A:VAL:HG11	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3236)	1:22:A:ARG:HB3	1:23:A:VAL:HG12	17	0.24
(1,3236)	1:22:A:ARG:HB3	1:23:A:VAL:HG13	17	0.24
(1,3233)	1:22:A:ARG:HB3	1:23:A:VAL:HG11	17	0.24
(1,3233)	1:22:A:ARG:HB3	1:23:A:VAL:HG12	17	0.24
(1,3233)	1:22:A:ARG:HB3	1:23:A:VAL:HG13	17	0.24
(1,3230)	1:29:B:LEU:HD21	1:50:B:LEU:HG	5	0.24
(1,3230)	1:29:B:LEU:HD22	1:50:B:LEU:HG	5	0.24
(1,3230)	1:29:B:LEU:HD23	1:50:B:LEU:HG	5	0.24
(1,3229)	1:29:A:LEU:HD21	1:50:A:LEU:HG	5	0.24
(1,3229)	1:29:A:LEU:HD22	1:50:A:LEU:HG	5	0.24
(1,3229)	1:29:A:LEU:HD23	1:50:A:LEU:HG	5	0.24
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG21	12	0.24
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG22	12	0.24
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG23	12	0.24
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG21	12	0.24
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG22	12	0.24
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG23	12	0.24
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG21	12	0.24
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG22	12	0.24
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG23	12	0.24
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG21	12	0.24
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG22	12	0.24
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG23	12	0.24
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG21	12	0.24
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG22	12	0.24
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG23	12	0.24
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG21	12	0.24
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG22	12	0.24
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG23	12	0.24
(1,3153)	1:81:B:LEU:HD11	1:69:B:TRP:HZ3	13	0.24
(1,3153)	1:81:B:LEU:HD12	1:69:B:TRP:HZ3	13	0.24
(1,3153)	1:81:B:LEU:HD13	1:69:B:TRP:HZ3	13	0.24
(1,3152)	1:81:A:LEU:HD11	1:69:A:TRP:HZ3	13	0.24
(1,3152)	1:81:A:LEU:HD12	1:69:A:TRP:HZ3	13	0.24
(1,3152)	1:81:A:LEU:HD13	1:69:A:TRP:HZ3	13	0.24
(1,3065)	1:69:B:TRP:HE3	1:51:B:VAL:HB	2	0.24
(1,3065)	1:69:B:TRP:HE3	1:51:B:VAL:HB	5	0.24
(1,3064)	1:69:A:TRP:HE3	1:51:A:VAL:HB	2	0.24
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD11	18	0.24
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD12	18	0.24
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD13	18	0.24
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD11	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD12	18	0.24
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD13	18	0.24
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD11	18	0.24
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD12	18	0.24
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD13	18	0.24
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD11	18	0.24
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD12	18	0.24
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD13	18	0.24
(1,2965)	1:78:A:ILE:HA	1:82:A:ARG:H	1	0.24
(1,2964)	1:78:B:ILE:HA	1:82:B:ARG:H	1	0.24
(1,2950)	1:80:B:VAL:HA	1:79:B:ASN:HB3	13	0.24
(1,2889)	1:59:A:ILE:HD11	1:60:A:PRO:HD2	17	0.24
(1,2889)	1:59:A:ILE:HD12	1:60:A:PRO:HD2	17	0.24
(1,2889)	1:59:A:ILE:HD13	1:60:A:PRO:HD2	17	0.24
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD11	9	0.24
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD12	9	0.24
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD13	9	0.24
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD11	9	0.24
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD12	9	0.24
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD13	9	0.24
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD11	9	0.24
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD12	9	0.24
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD13	9	0.24
(1,2757)	1:88:A:ILE:HD11	1:85:B:ARG:HA	8	0.24
(1,2757)	1:88:A:ILE:HD12	1:85:B:ARG:HA	8	0.24
(1,2757)	1:88:A:ILE:HD13	1:85:B:ARG:HA	8	0.24
(1,2724)	1:47:B:PHE:HD1	1:65:B:ILE:HG13	16	0.24
(1,2724)	1:47:B:PHE:HD2	1:65:B:ILE:HG13	16	0.24
(1,2682)	1:26:A:VAL:HG11	1:22:A:ARG:HG3	10	0.24
(1,2682)	1:26:A:VAL:HG12	1:22:A:ARG:HG3	10	0.24
(1,2682)	1:26:A:VAL:HG13	1:22:A:ARG:HG3	10	0.24
(1,2632)	1:52:B:ALA:HA	1:55:B:ARG:HD2	3	0.24
(1,2631)	1:52:A:ALA:HA	1:55:A:ARG:HD2	3	0.24
(1,2626)	1:45:A:LYS:HE3	1:56:B:PHE:HA	5	0.24
(1,2619)	1:87:B:GLU:H	1:90:B:ARG:HD2	10	0.24
(1,2618)	1:87:A:GLU:H	1:90:A:ARG:HD2	10	0.24
(1,2599)	1:90:A:ARG:HA	1:93:A:ASN:HB3	17	0.24
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG21	4	0.24
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG22	4	0.24
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG23	4	0.24
(1,2552)	1:58:B:THR:HA	1:59:B:ILE:HA	20	0.24
(1,2417)	1:62:B:THR:H	1:63:B:ALA:HA	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2416)	1:62:A:THR:H	1:63:A:ALA:HA	2	0.24
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG11	12	0.24
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG12	12	0.24
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG13	12	0.24
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB3	2	0.24
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB3	6	0.24
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB3	10	0.24
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB3	11	0.24
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB3	15	0.24
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB3	16	0.24
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB3	2	0.24
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB3	4	0.24
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB3	6	0.24
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB3	10	0.24
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB3	11	0.24
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB3	15	0.24
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB3	16	0.24
(1,2325)	1:78:B:ILE:HA	1:92:A:LEU:HA	1	0.24
(1,2241)	1:91:A:MET:HB2	1:93:A:ASN:H	10	0.24
(1,2235)	1:67:B:LYS:HB3	1:67:B:LYS:HA	14	0.24
(1,2235)	1:67:B:LYS:HB3	1:67:B:LYS:HA	17	0.24
(1,2234)	1:67:A:LYS:HB3	1:67:A:LYS:HA	14	0.24
(1,2234)	1:67:A:LYS:HB3	1:67:A:LYS:HA	17	0.24
(1,2211)	1:24:A:SER:HB2	1:23:A:VAL:HB	17	0.24
(1,2095)	1:23:A:VAL:HG11	1:24:A:SER:H	6	0.24
(1,2095)	1:23:A:VAL:HG12	1:24:A:SER:H	6	0.24
(1,2095)	1:23:A:VAL:HG13	1:24:A:SER:H	6	0.24
(1,2092)	1:45:A:LYS:HE3	1:45:A:LYS:HB3	13	0.24
(1,2091)	1:45:B:LYS:HE3	1:45:B:LYS:HB3	13	0.24
(1,2083)	1:41:A:ARG:HB3	1:42:A:GLY:H	18	0.24
(1,2058)	1:49:B:ALA:H	1:52:B:ALA:H	10	0.24
(1,2057)	1:49:A:ALA:H	1:52:A:ALA:H	10	0.24
(1,2034)	1:26:B:VAL:HA	1:25:B:THR:HA	11	0.24
(1,2034)	1:26:B:VAL:HA	1:25:B:THR:HA	14	0.24
(1,2033)	1:26:A:VAL:HA	1:25:A:THR:HA	14	0.24
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE1	5	0.24
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE2	5	0.24
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE1	5	0.24
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE2	5	0.24
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE1	17	0.24
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE2	17	0.24
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE1	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE2	18	0.24
(1,2011)	1:95:A:LEU:HD11	1:94:A:ILE:HD11	20	0.24
(1,2011)	1:95:A:LEU:HD11	1:94:A:ILE:HD12	20	0.24
(1,2011)	1:95:A:LEU:HD11	1:94:A:ILE:HD13	20	0.24
(1,2011)	1:95:A:LEU:HD12	1:94:A:ILE:HD11	20	0.24
(1,2011)	1:95:A:LEU:HD12	1:94:A:ILE:HD12	20	0.24
(1,2011)	1:95:A:LEU:HD12	1:94:A:ILE:HD13	20	0.24
(1,2011)	1:95:A:LEU:HD13	1:94:A:ILE:HD11	20	0.24
(1,2011)	1:95:A:LEU:HD13	1:94:A:ILE:HD12	20	0.24
(1,2011)	1:95:A:LEU:HD13	1:94:A:ILE:HD13	20	0.24
(1,2010)	1:95:B:LEU:HD11	1:94:B:ILE:HD11	20	0.24
(1,2010)	1:95:B:LEU:HD11	1:94:B:ILE:HD12	20	0.24
(1,2010)	1:95:B:LEU:HD11	1:94:B:ILE:HD13	20	0.24
(1,2010)	1:95:B:LEU:HD12	1:94:B:ILE:HD11	20	0.24
(1,2010)	1:95:B:LEU:HD12	1:94:B:ILE:HD12	20	0.24
(1,2010)	1:95:B:LEU:HD12	1:94:B:ILE:HD13	20	0.24
(1,2010)	1:95:B:LEU:HD13	1:94:B:ILE:HD11	20	0.24
(1,2010)	1:95:B:LEU:HD13	1:94:B:ILE:HD12	20	0.24
(1,2010)	1:95:B:LEU:HD13	1:94:B:ILE:HD13	20	0.24
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD21	10	0.24
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD22	10	0.24
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD23	10	0.24
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD21	10	0.24
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD22	10	0.24
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD23	10	0.24
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD21	10	0.24
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD22	10	0.24
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD23	10	0.24
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD21	10	0.24
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD22	10	0.24
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD23	10	0.24
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD21	10	0.24
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD22	10	0.24
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD23	10	0.24
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD21	10	0.24
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD22	10	0.24
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD23	10	0.24
(1,1965)	1:29:A:LEU:HD21	1:50:A:LEU:HD21	14	0.24
(1,1965)	1:29:A:LEU:HD21	1:50:A:LEU:HD22	14	0.24
(1,1965)	1:29:A:LEU:HD21	1:50:A:LEU:HD23	14	0.24
(1,1965)	1:29:A:LEU:HD22	1:50:A:LEU:HD21	14	0.24
(1,1965)	1:29:A:LEU:HD22	1:50:A:LEU:HD22	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1965)	1:29:A:LEU:HD22	1:50:A:LEU:HD23	14	0.24
(1,1965)	1:29:A:LEU:HD23	1:50:A:LEU:HD21	14	0.24
(1,1965)	1:29:A:LEU:HD23	1:50:A:LEU:HD22	14	0.24
(1,1965)	1:29:A:LEU:HD23	1:50:A:LEU:HD23	14	0.24
(1,1964)	1:29:B:LEU:HD21	1:50:B:LEU:HD21	14	0.24
(1,1964)	1:29:B:LEU:HD21	1:50:B:LEU:HD22	14	0.24
(1,1964)	1:29:B:LEU:HD21	1:50:B:LEU:HD23	14	0.24
(1,1964)	1:29:B:LEU:HD22	1:50:B:LEU:HD21	14	0.24
(1,1964)	1:29:B:LEU:HD22	1:50:B:LEU:HD22	14	0.24
(1,1964)	1:29:B:LEU:HD22	1:50:B:LEU:HD23	14	0.24
(1,1964)	1:29:B:LEU:HD23	1:50:B:LEU:HD21	14	0.24
(1,1964)	1:29:B:LEU:HD23	1:50:B:LEU:HD22	14	0.24
(1,1964)	1:29:B:LEU:HD23	1:50:B:LEU:HD23	14	0.24
(1,1952)	1:62:A:THR:HA	1:24:A:SER:H	8	0.24
(1,1951)	1:62:B:THR:HA	1:24:B:SER:H	8	0.24
(1,1919)	1:57:B:LEU:H	1:58:B:THR:H	3	0.24
(1,1918)	1:49:A:ALA:HB1	1:57:B:LEU:HA	7	0.24
(1,1918)	1:49:A:ALA:HB2	1:57:B:LEU:HA	7	0.24
(1,1918)	1:49:A:ALA:HB3	1:57:B:LEU:HA	7	0.24
(1,1916)	1:94:A:ILE:HG21	1:69:B:TRP:HH2	3	0.24
(1,1916)	1:94:A:ILE:HG22	1:69:B:TRP:HH2	3	0.24
(1,1916)	1:94:A:ILE:HG23	1:69:B:TRP:HH2	3	0.24
(1,1912)	1:94:A:ILE:HG21	1:97:A:ARG:H	18	0.24
(1,1912)	1:94:A:ILE:HG22	1:97:A:ARG:H	18	0.24
(1,1912)	1:94:A:ILE:HG23	1:97:A:ARG:H	18	0.24
(1,1911)	1:94:B:ILE:HG21	1:97:B:ARG:H	18	0.24
(1,1911)	1:94:B:ILE:HG22	1:97:B:ARG:H	18	0.24
(1,1911)	1:94:B:ILE:HG23	1:97:B:ARG:H	18	0.24
(1,1904)	1:57:B:LEU:HD11	1:57:B:LEU:H	1	0.24
(1,1904)	1:57:B:LEU:HD12	1:57:B:LEU:H	1	0.24
(1,1904)	1:57:B:LEU:HD13	1:57:B:LEU:H	1	0.24
(1,1903)	1:57:A:LEU:HD11	1:57:A:LEU:H	1	0.24
(1,1903)	1:57:A:LEU:HD12	1:57:A:LEU:H	1	0.24
(1,1903)	1:57:A:LEU:HD13	1:57:A:LEU:H	1	0.24
(1,1887)	1:48:B:MET:H	1:48:B:MET:HG3	6	0.24
(1,1859)	1:62:A:THR:HB	1:63:A:ALA:H	1	0.24
(1,1802)	1:77:B:ALA:H	1:76:B:LYS:HB2	3	0.24
(1,1740)	1:82:B:ARG:HA	1:85:B:ARG:H	5	0.24
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	3	0.24
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	6	0.24
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	9	0.24
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD3	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD3	15	0.24
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD3	19	0.24
(1,1702)	1:84:A:PHE:HA	1:87:A:GLU:H	18	0.24
(1,1698)	1:81:A:LEU:H	1:84:A:PHE:HB2	11	0.24
(1,1653)	1:69:B:TRP:HA	1:67:B:LYS:H	4	0.24
(1,1652)	1:69:A:TRP:HA	1:67:A:LYS:H	4	0.24
(1,1652)	1:69:A:TRP:HA	1:67:A:LYS:H	20	0.24
(1,1641)	1:94:A:ILE:H	1:93:A:ASN:HD21	5	0.24
(1,1641)	1:94:A:ILE:H	1:93:A:ASN:HD21	8	0.24
(1,1640)	1:94:B:ILE:H	1:93:B:ASN:HD21	5	0.24
(1,1640)	1:94:B:ILE:H	1:93:B:ASN:HD21	8	0.24
(1,1500)	1:65:A:ILE:HD11	1:66:A:LEU:H	8	0.24
(1,1500)	1:65:A:ILE:HD12	1:66:A:LEU:H	8	0.24
(1,1500)	1:65:A:ILE:HD13	1:66:A:LEU:H	8	0.24
(1,1500)	1:65:A:ILE:HD11	1:66:A:LEU:H	11	0.24
(1,1500)	1:65:A:ILE:HD12	1:66:A:LEU:H	11	0.24
(1,1500)	1:65:A:ILE:HD13	1:66:A:LEU:H	11	0.24
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG11	11	0.24
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG12	11	0.24
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG13	11	0.24
(1,1450)	1:98:A:ARG:H	1:97:A:ARG:HB2	2	0.24
(1,1449)	1:98:B:ARG:H	1:97:B:ARG:HB2	2	0.24
(1,1449)	1:98:B:ARG:H	1:97:B:ARG:HB2	8	0.24
(1,1404)	1:67:A:LYS:HD2	1:67:A:LYS:HE3	7	0.24
(1,1404)	1:67:A:LYS:HD3	1:67:A:LYS:HE2	8	0.24
(1,1404)	1:67:A:LYS:HD2	1:67:A:LYS:HE3	9	0.24
(1,1404)	1:67:A:LYS:HD2	1:67:A:LYS:HE3	18	0.24
(1,1404)	1:67:A:LYS:HD2	1:67:A:LYS:HE3	20	0.24
(1,1403)	1:67:B:LYS:HD2	1:67:B:LYS:HE3	7	0.24
(1,1403)	1:67:B:LYS:HD3	1:67:B:LYS:HE2	8	0.24
(1,1403)	1:67:B:LYS:HD2	1:67:B:LYS:HE3	9	0.24
(1,1403)	1:67:B:LYS:HD2	1:67:B:LYS:HE2	11	0.24
(1,1403)	1:67:B:LYS:HD2	1:67:B:LYS:HE3	18	0.24
(1,1311)	1:95:A:LEU:HD11	1:69:B:TRP:HH2	6	0.24
(1,1311)	1:95:A:LEU:HD12	1:69:B:TRP:HH2	6	0.24
(1,1311)	1:95:A:LEU:HD13	1:69:B:TRP:HH2	6	0.24
(1,1304)	1:59:B:ILE:HG21	1:54:B:LEU:HA	20	0.24
(1,1304)	1:59:B:ILE:HG22	1:54:B:LEU:HA	20	0.24
(1,1304)	1:59:B:ILE:HG23	1:54:B:LEU:HA	20	0.24
(1,1303)	1:59:A:ILE:HG21	1:54:A:LEU:HA	20	0.24
(1,1303)	1:59:A:ILE:HG22	1:54:A:LEU:HA	20	0.24
(1,1303)	1:59:A:ILE:HG23	1:54:A:LEU:HA	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1254)	1:63:B:ALA:HB1	1:23:B:VAL:HG21	6	0.24
(1,1254)	1:63:B:ALA:HB1	1:23:B:VAL:HG22	6	0.24
(1,1254)	1:63:B:ALA:HB1	1:23:B:VAL:HG23	6	0.24
(1,1254)	1:63:B:ALA:HB2	1:23:B:VAL:HG21	6	0.24
(1,1254)	1:63:B:ALA:HB2	1:23:B:VAL:HG22	6	0.24
(1,1254)	1:63:B:ALA:HB2	1:23:B:VAL:HG23	6	0.24
(1,1254)	1:63:B:ALA:HB3	1:23:B:VAL:HG21	6	0.24
(1,1254)	1:63:B:ALA:HB3	1:23:B:VAL:HG22	6	0.24
(1,1254)	1:63:B:ALA:HB3	1:23:B:VAL:HG23	6	0.24
(1,1199)	1:58:B:THR:HA	1:58:B:THR:H	4	0.24
(1,1199)	1:58:B:THR:HA	1:58:B:THR:H	14	0.24
(1,1199)	1:58:B:THR:HA	1:58:B:THR:H	17	0.24
(1,1198)	1:58:A:THR:HA	1:58:A:THR:H	2	0.24
(1,1198)	1:58:A:THR:HA	1:58:A:THR:H	4	0.24
(1,1198)	1:58:A:THR:HA	1:58:A:THR:H	14	0.24
(1,1183)	1:61:A:PRO:HA	1:65:A:ILE:HG21	10	0.24
(1,1183)	1:61:A:PRO:HA	1:65:A:ILE:HG22	10	0.24
(1,1183)	1:61:A:PRO:HA	1:65:A:ILE:HG23	10	0.24
(1,1182)	1:61:B:PRO:HA	1:65:B:ILE:HG21	10	0.24
(1,1182)	1:61:B:PRO:HA	1:65:B:ILE:HG22	10	0.24
(1,1182)	1:61:B:PRO:HA	1:65:B:ILE:HG23	10	0.24
(1,1175)	1:94:A:ILE:HA	1:97:A:ARG:H	4	0.24
(1,1175)	1:94:A:ILE:HA	1:97:A:ARG:H	15	0.24
(1,1174)	1:94:B:ILE:HA	1:97:B:ARG:H	4	0.24
(1,1174)	1:94:B:ILE:HA	1:97:B:ARG:H	15	0.24
(1,1115)	1:92:B:LEU:HD21	1:82:A:ARG:H	4	0.24
(1,1115)	1:92:B:LEU:HD22	1:82:A:ARG:H	4	0.24
(1,1115)	1:92:B:LEU:HD23	1:82:A:ARG:H	4	0.24
(1,1080)	1:45:B:LYS:HA	1:47:B:PHE:H	18	0.24
(1,1032)	1:71:A:THR:H	1:69:A:TRP:H	17	0.24
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD11	12	0.24
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD12	12	0.24
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD13	12	0.24
(1,967)	1:62:B:THR:H	1:65:B:ILE:HB	17	0.24
(1,850)	1:95:B:LEU:H	1:93:B:ASN:HA	16	0.24
(1,849)	1:95:A:LEU:H	1:93:A:ASN:HA	16	0.24
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG21	2	0.24
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG22	2	0.24
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG23	2	0.24
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG21	2	0.24
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG22	2	0.24
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG23	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,827)	1:22:A:ARG:HG3	1:27:A:GLN:HA	9	0.24
(1,808)	1:90:B:ARG:HA	1:90:B:ARG:HD3	1	0.24
(1,784)	1:22:B:ARG:HG2	1:23:B:VAL:H	3	0.24
(1,783)	1:22:A:ARG:HG3	1:23:A:VAL:H	10	0.24
(1,759)	1:22:A:ARG:HG3	1:22:A:ARG:H	2	0.24
(1,742)	1:77:B:ALA:H	1:80:B:VAL:H	1	0.24
(1,742)	1:77:B:ALA:H	1:80:B:VAL:H	8	0.24
(1,742)	1:77:B:ALA:H	1:80:B:VAL:H	15	0.24
(1,741)	1:77:A:ALA:H	1:80:A:VAL:H	1	0.24
(1,741)	1:77:A:ALA:H	1:80:A:VAL:H	8	0.24
(1,741)	1:77:A:ALA:H	1:80:A:VAL:H	15	0.24
(1,718)	1:44:B:LEU:HD11	1:73:B:LYS:H	5	0.24
(1,718)	1:44:B:LEU:HD12	1:73:B:LYS:H	5	0.24
(1,718)	1:44:B:LEU:HD13	1:73:B:LYS:H	5	0.24
(1,713)	1:70:B:GLY:H	1:65:B:ILE:H	10	0.24
(1,712)	1:70:A:GLY:H	1:65:A:ILE:H	10	0.24
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD11	18	0.24
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD12	18	0.24
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD13	18	0.24
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD11	18	0.24
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD12	18	0.24
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD13	18	0.24
(1,609)	1:87:B:GLU:HA	1:87:B:GLU:HG3	19	0.24
(1,568)	1:84:B:PHE:HE1	1:52:A:ALA:HA	16	0.24
(1,568)	1:84:B:PHE:HE2	1:52:A:ALA:HA	16	0.24
(1,538)	1:52:B:ALA:HB1	1:52:A:ALA:HA	15	0.24
(1,538)	1:52:B:ALA:HB2	1:52:A:ALA:HA	15	0.24
(1,538)	1:52:B:ALA:HB3	1:52:A:ALA:HA	15	0.24
(1,497)	1:26:B:VAL:HG11	1:28:B:GLN:H	12	0.24
(1,497)	1:26:B:VAL:HG12	1:28:B:GLN:H	12	0.24
(1,497)	1:26:B:VAL:HG13	1:28:B:GLN:H	12	0.24
(1,497)	1:26:B:VAL:HG11	1:28:B:GLN:H	17	0.24
(1,497)	1:26:B:VAL:HG12	1:28:B:GLN:H	17	0.24
(1,497)	1:26:B:VAL:HG13	1:28:B:GLN:H	17	0.24
(1,481)	1:93:B:ASN:HD21	1:92:B:LEU:H	16	0.24
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB1	5	0.24
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB2	5	0.24
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB3	5	0.24
(1,403)	1:47:A:PHE:HE1	1:65:A:ILE:HG21	3	0.24
(1,403)	1:47:A:PHE:HE1	1:65:A:ILE:HG22	3	0.24
(1,403)	1:47:A:PHE:HE1	1:65:A:ILE:HG23	3	0.24
(1,403)	1:47:A:PHE:HE2	1:65:A:ILE:HG21	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:47:A:PHE:HE2	1:65:A:ILE:HG22	3	0.24
(1,403)	1:47:A:PHE:HE2	1:65:A:ILE:HG23	3	0.24
(1,402)	1:47:B:PHE:HE1	1:65:B:ILE:HG21	3	0.24
(1,402)	1:47:B:PHE:HE1	1:65:B:ILE:HG22	3	0.24
(1,402)	1:47:B:PHE:HE1	1:65:B:ILE:HG23	3	0.24
(1,402)	1:47:B:PHE:HE2	1:65:B:ILE:HG21	3	0.24
(1,402)	1:47:B:PHE:HE2	1:65:B:ILE:HG22	3	0.24
(1,402)	1:47:B:PHE:HE2	1:65:B:ILE:HG23	3	0.24
(1,341)	1:75:A:SER:H	1:75:A:SER:HB2	15	0.24
(1,340)	1:75:B:SER:H	1:75:B:SER:HB2	9	0.24
(1,340)	1:75:B:SER:H	1:75:B:SER:HB2	11	0.24
(1,340)	1:75:B:SER:H	1:75:B:SER:HB2	17	0.24
(1,340)	1:75:B:SER:H	1:75:B:SER:HB2	19	0.24
(1,252)	1:24:A:SER:HB2	1:23:A:VAL:HB	17	0.24
(1,192)	1:77:B:ALA:HB1	1:75:B:SER:H	17	0.24
(1,192)	1:77:B:ALA:HB2	1:75:B:SER:H	17	0.24
(1,192)	1:77:B:ALA:HB3	1:75:B:SER:H	17	0.24
(1,191)	1:77:A:ALA:HB1	1:75:A:SER:H	10	0.24
(1,191)	1:77:A:ALA:HB2	1:75:A:SER:H	10	0.24
(1,191)	1:77:A:ALA:HB3	1:75:A:SER:H	10	0.24
(1,191)	1:77:A:ALA:HB1	1:75:A:SER:H	17	0.24
(1,191)	1:77:A:ALA:HB2	1:75:A:SER:H	17	0.24
(1,191)	1:77:A:ALA:HB3	1:75:A:SER:H	17	0.24
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG3	4	0.24
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG3	4	0.24
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG3	4	0.24
(2,326)	1:77:A:ALA:H	1:76:A:LYS:HB2	3	0.23
(2,322)	1:67:B:LYS:HA	1:67:B:LYS:HD3	11	0.23
(2,308)	1:76:A:LYS:HB3	1:76:A:LYS:HA	13	0.23
(2,308)	1:76:A:LYS:HB3	1:76:A:LYS:HA	14	0.23
(2,177)	1:69:B:TRP:H	1:68:B:ARG:HB2	15	0.23
(2,164)	1:81:B:LEU:H	1:84:B:PHE:HB2	1	0.23
(2,152)	1:48:A:MET:H	1:48:A:MET:HG3	7	0.23
(2,120)	1:59:B:ILE:HD11	1:60:B:PRO:HD2	17	0.23
(2,120)	1:59:B:ILE:HD12	1:60:B:PRO:HD2	17	0.23
(2,120)	1:59:B:ILE:HD13	1:60:B:PRO:HD2	17	0.23
(2,74)	1:45:B:LYS:HG3	1:45:B:LYS:HD2	2	0.23
(2,74)	1:45:B:LYS:HG3	1:45:B:LYS:HD2	4	0.23
(2,74)	1:45:B:LYS:HG3	1:45:B:LYS:HD3	5	0.23
(2,74)	1:45:B:LYS:HG3	1:45:B:LYS:HD2	6	0.23
(2,74)	1:45:B:LYS:HG3	1:45:B:LYS:HD3	11	0.23
(2,74)	1:45:B:LYS:HG3	1:45:B:LYS:HD2	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,74)	1:45:B:LYS:HG2	1:45:B:LYS:HD2	14	0.23
(2,74)	1:45:B:LYS:HG2	1:45:B:LYS:HD2	15	0.23
(2,74)	1:45:B:LYS:HG2	1:45:B:LYS:HD2	19	0.23
(1,3479)	1:87:A:GLU:HA	1:89:A:GLY:HA2	8	0.23
(1,3410)	1:94:A:ILE:HA	1:97:A:ARG:HB2	10	0.23
(1,3409)	1:94:B:ILE:HA	1:97:B:ARG:HB2	10	0.23
(1,3406)	1:77:A:ALA:HB1	1:76:A:LYS:H	13	0.23
(1,3406)	1:77:A:ALA:HB2	1:76:A:LYS:H	13	0.23
(1,3406)	1:77:A:ALA:HB3	1:76:A:LYS:H	13	0.23
(1,3405)	1:77:B:ALA:HB1	1:76:B:LYS:H	13	0.23
(1,3405)	1:77:B:ALA:HB2	1:76:B:LYS:H	13	0.23
(1,3405)	1:77:B:ALA:HB3	1:76:B:LYS:H	13	0.23
(1,3387)	1:77:B:ALA:HB1	1:95:A:LEU:HB2	9	0.23
(1,3387)	1:77:B:ALA:HB2	1:95:A:LEU:HB2	9	0.23
(1,3387)	1:77:B:ALA:HB3	1:95:A:LEU:HB2	9	0.23
(1,3373)	1:77:A:ALA:HB1	1:72:A:ILE:HD11	1	0.23
(1,3373)	1:77:A:ALA:HB1	1:72:A:ILE:HD12	1	0.23
(1,3373)	1:77:A:ALA:HB1	1:72:A:ILE:HD13	1	0.23
(1,3373)	1:77:A:ALA:HB2	1:72:A:ILE:HD11	1	0.23
(1,3373)	1:77:A:ALA:HB2	1:72:A:ILE:HD12	1	0.23
(1,3373)	1:77:A:ALA:HB2	1:72:A:ILE:HD13	1	0.23
(1,3373)	1:77:A:ALA:HB3	1:72:A:ILE:HD11	1	0.23
(1,3373)	1:77:A:ALA:HB3	1:72:A:ILE:HD12	1	0.23
(1,3373)	1:77:A:ALA:HB3	1:72:A:ILE:HD13	1	0.23
(1,3372)	1:77:B:ALA:HB1	1:72:B:ILE:HD11	1	0.23
(1,3372)	1:77:B:ALA:HB1	1:72:B:ILE:HD12	1	0.23
(1,3372)	1:77:B:ALA:HB1	1:72:B:ILE:HD13	1	0.23
(1,3372)	1:77:B:ALA:HB2	1:72:B:ILE:HD11	1	0.23
(1,3372)	1:77:B:ALA:HB2	1:72:B:ILE:HD12	1	0.23
(1,3372)	1:77:B:ALA:HB2	1:72:B:ILE:HD13	1	0.23
(1,3372)	1:77:B:ALA:HB3	1:72:B:ILE:HD11	1	0.23
(1,3372)	1:77:B:ALA:HB3	1:72:B:ILE:HD12	1	0.23
(1,3372)	1:77:B:ALA:HB3	1:72:B:ILE:HD13	1	0.23
(1,3359)	1:69:B:TRP:HZ2	1:91:A:MET:HA	9	0.23
(1,3334)	1:97:A:ARG:HA	1:94:A:ILE:HA	4	0.23
(1,3334)	1:97:A:ARG:HA	1:94:A:ILE:HA	7	0.23
(1,3333)	1:97:B:ARG:HA	1:94:B:ILE:HA	4	0.23
(1,3333)	1:97:B:ARG:HA	1:94:B:ILE:HA	7	0.23
(1,3279)	1:88:A:ILE:HG12	1:52:B:ALA:HA	16	0.23
(1,3249)	1:76:B:LYS:HB3	1:76:B:LYS:HA	14	0.23
(1,3234)	1:22:B:ARG:HB3	1:23:B:VAL:HG11	17	0.23
(1,3234)	1:22:B:ARG:HB3	1:23:B:VAL:HG12	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3234)	1:22:B:ARG:HB3	1:23:B:VAL:HG13	17	0.23
(1,3116)	1:62:B:THR:HG21	1:63:B:ALA:HB1	17	0.23
(1,3116)	1:62:B:THR:HG21	1:63:B:ALA:HB2	17	0.23
(1,3116)	1:62:B:THR:HG21	1:63:B:ALA:HB3	17	0.23
(1,3116)	1:62:B:THR:HG22	1:63:B:ALA:HB1	17	0.23
(1,3116)	1:62:B:THR:HG22	1:63:B:ALA:HB2	17	0.23
(1,3116)	1:62:B:THR:HG22	1:63:B:ALA:HB3	17	0.23
(1,3116)	1:62:B:THR:HG23	1:63:B:ALA:HB1	17	0.23
(1,3116)	1:62:B:THR:HG23	1:63:B:ALA:HB2	17	0.23
(1,3116)	1:62:B:THR:HG23	1:63:B:ALA:HB3	17	0.23
(1,3115)	1:62:A:THR:HG21	1:63:A:ALA:HB1	17	0.23
(1,3115)	1:62:A:THR:HG21	1:63:A:ALA:HB2	17	0.23
(1,3115)	1:62:A:THR:HG21	1:63:A:ALA:HB3	17	0.23
(1,3115)	1:62:A:THR:HG22	1:63:A:ALA:HB1	17	0.23
(1,3115)	1:62:A:THR:HG22	1:63:A:ALA:HB2	17	0.23
(1,3115)	1:62:A:THR:HG22	1:63:A:ALA:HB3	17	0.23
(1,3115)	1:62:A:THR:HG23	1:63:A:ALA:HB1	17	0.23
(1,3115)	1:62:A:THR:HG23	1:63:A:ALA:HB2	17	0.23
(1,3115)	1:62:A:THR:HG23	1:63:A:ALA:HB3	17	0.23
(1,3086)	1:67:A:LYS:HA	1:67:A:LYS:HD3	11	0.23
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD11	20	0.23
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD12	20	0.23
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD13	20	0.23
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD11	20	0.23
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD12	20	0.23
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD13	20	0.23
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD11	20	0.23
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD12	20	0.23
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD13	20	0.23
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD11	20	0.23
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD12	20	0.23
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD13	20	0.23
(1,3009)	1:23:A:VAL:HB	1:22:A:ARG:HB3	13	0.23
(1,3008)	1:23:B:VAL:HB	1:22:B:ARG:HB3	13	0.23
(1,2983)	1:49:B:ALA:H	1:46:B:LEU:HA	19	0.23
(1,2982)	1:49:A:ALA:H	1:46:A:LEU:HA	19	0.23
(1,2951)	1:80:A:VAL:HA	1:79:A:ASN:HB3	13	0.23
(1,2937)	1:78:B:ILE:HA	1:82:B:ARG:HD2	5	0.23
(1,2936)	1:78:A:ILE:HA	1:82:A:ARG:HD2	5	0.23
(1,2927)	1:44:A:LEU:HD11	1:44:A:LEU:HA	8	0.23
(1,2927)	1:44:A:LEU:HD12	1:44:A:LEU:HA	8	0.23
(1,2927)	1:44:A:LEU:HD13	1:44:A:LEU:HA	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2926)	1:44:B:LEU:HD11	1:44:B:LEU:HA	8	0.23
(1,2926)	1:44:B:LEU:HD12	1:44:B:LEU:HA	8	0.23
(1,2926)	1:44:B:LEU:HD13	1:44:B:LEU:HA	8	0.23
(1,2874)	1:88:B:ILE:HB	1:89:B:GLY:HA2	15	0.23
(1,2873)	1:88:A:ILE:HB	1:89:A:GLY:HA2	10	0.23
(1,2873)	1:88:A:ILE:HB	1:89:A:GLY:HA2	15	0.23
(1,2809)	1:23:A:VAL:HG21	1:24:A:SER:HA	2	0.23
(1,2809)	1:23:A:VAL:HG22	1:24:A:SER:HA	2	0.23
(1,2809)	1:23:A:VAL:HG23	1:24:A:SER:HA	2	0.23
(1,2807)	1:23:A:VAL:HG21	1:24:A:SER:HA	2	0.23
(1,2807)	1:23:A:VAL:HG22	1:24:A:SER:HA	2	0.23
(1,2807)	1:23:A:VAL:HG23	1:24:A:SER:HA	2	0.23
(1,2758)	1:88:B:ILE:HD11	1:85:A:ARG:HA	8	0.23
(1,2758)	1:88:B:ILE:HD12	1:85:A:ARG:HA	8	0.23
(1,2758)	1:88:B:ILE:HD13	1:85:A:ARG:HA	8	0.23
(1,2723)	1:47:A:PHE:HD1	1:65:A:ILE:HG13	16	0.23
(1,2723)	1:47:A:PHE:HD2	1:65:A:ILE:HG13	16	0.23
(1,2681)	1:95:B:LEU:HB2	1:74:A:LYS:HD3	13	0.23
(1,2680)	1:95:A:LEU:HB2	1:74:B:LYS:HD3	13	0.23
(1,2675)	1:69:B:TRP:HH2	1:47:B:PHE:HE1	7	0.23
(1,2675)	1:69:B:TRP:HH2	1:47:B:PHE:HE2	7	0.23
(1,2675)	1:69:B:TRP:HH2	1:47:B:PHE:HE1	17	0.23
(1,2675)	1:69:B:TRP:HH2	1:47:B:PHE:HE2	17	0.23
(1,2674)	1:69:A:TRP:HH2	1:47:A:PHE:HE1	7	0.23
(1,2674)	1:69:A:TRP:HH2	1:47:A:PHE:HE2	7	0.23
(1,2674)	1:69:A:TRP:HH2	1:47:A:PHE:HE1	17	0.23
(1,2674)	1:69:A:TRP:HH2	1:47:A:PHE:HE2	17	0.23
(1,2604)	1:82:A:ARG:HA	1:85:A:ARG:HD3	7	0.23
(1,2603)	1:82:B:ARG:HA	1:85:B:ARG:HD3	7	0.23
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG21	7	0.23
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG22	7	0.23
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG23	7	0.23
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG21	13	0.23
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG22	13	0.23
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG23	13	0.23
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG21	4	0.23
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG22	4	0.23
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG23	4	0.23
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG21	7	0.23
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG22	7	0.23
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG23	7	0.23
(1,2559)	1:94:B:ILE:HA	1:98:B:ARG:HG2	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2558)	1:94:A:ILE:HA	1:98:A:ARG:HG2	12	0.23
(1,2544)	1:27:A:GLN:H	1:26:A:VAL:HB	5	0.23
(1,2543)	1:27:B:GLN:H	1:26:B:VAL:HB	5	0.23
(1,2517)	1:80:A:VAL:HG21	1:84:A:PHE:H	20	0.23
(1,2517)	1:80:A:VAL:HG22	1:84:A:PHE:H	20	0.23
(1,2517)	1:80:A:VAL:HG23	1:84:A:PHE:H	20	0.23
(1,2491)	1:23:B:VAL:HG11	1:24:B:SER:H	18	0.23
(1,2491)	1:23:B:VAL:HG12	1:24:B:SER:H	18	0.23
(1,2491)	1:23:B:VAL:HG13	1:24:B:SER:H	18	0.23
(1,2491)	1:23:B:VAL:HG11	1:24:B:SER:H	19	0.23
(1,2491)	1:23:B:VAL:HG12	1:24:B:SER:H	19	0.23
(1,2491)	1:23:B:VAL:HG13	1:24:B:SER:H	19	0.23
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD11	12	0.23
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD12	12	0.23
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD13	12	0.23
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD11	12	0.23
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD12	12	0.23
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD13	12	0.23
(1,2431)	1:48:B:MET:HB3	1:45:B:LYS:HA	19	0.23
(1,2430)	1:48:A:MET:HB3	1:45:A:LYS:HA	19	0.23
(1,2417)	1:62:B:THR:H	1:63:B:ALA:HA	14	0.23
(1,2416)	1:62:A:THR:H	1:63:A:ALA:HA	14	0.23
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG11	20	0.23
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG12	20	0.23
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG13	20	0.23
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB3	4	0.23
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB3	12	0.23
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB3	17	0.23
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB3	19	0.23
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB3	12	0.23
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB3	17	0.23
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB3	19	0.23
(1,2242)	1:91:B:MET:HB2	1:93:B:ASN:H	10	0.23
(1,2235)	1:67:B:LYS:HB3	1:67:B:LYS:HA	20	0.23
(1,2234)	1:67:A:LYS:HB3	1:67:A:LYS:HA	20	0.23
(1,2153)	1:42:A:GLY:HA2	1:43:A:PRO:HD2	6	0.23
(1,2153)	1:42:A:GLY:HA2	1:43:A:PRO:HD2	11	0.23
(1,2152)	1:42:B:GLY:HA2	1:43:B:PRO:HD2	2	0.23
(1,2152)	1:42:B:GLY:HA2	1:43:B:PRO:HD2	11	0.23
(1,2149)	1:79:B:ASN:H	1:76:B:LYS:HA	15	0.23
(1,2096)	1:23:B:VAL:HG11	1:24:B:SER:H	18	0.23
(1,2096)	1:23:B:VAL:HG12	1:24:B:SER:H	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2096)	1:23:B:VAL:HG13	1:24:B:SER:H	18	0.23
(1,2096)	1:23:B:VAL:HG11	1:24:B:SER:H	19	0.23
(1,2096)	1:23:B:VAL:HG12	1:24:B:SER:H	19	0.23
(1,2096)	1:23:B:VAL:HG13	1:24:B:SER:H	19	0.23
(1,2086)	1:92:A:LEU:HG	1:93:A:ASN:H	15	0.23
(1,2085)	1:92:B:LEU:HG	1:93:B:ASN:H	15	0.23
(1,2084)	1:41:B:ARG:HB3	1:42:B:GLY:H	18	0.23
(1,2058)	1:49:B:ALA:H	1:52:B:ALA:H	2	0.23
(1,2058)	1:49:B:ALA:H	1:52:B:ALA:H	18	0.23
(1,2057)	1:49:A:ALA:H	1:52:A:ALA:H	2	0.23
(1,2057)	1:49:A:ALA:H	1:52:A:ALA:H	18	0.23
(1,2034)	1:26:B:VAL:HA	1:25:B:THR:HA	1	0.23
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE1	17	0.23
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE2	17	0.23
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE1	18	0.23
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE2	18	0.23
(1,1999)	1:72:A:ILE:HD11	1:73:A:LYS:H	7	0.23
(1,1999)	1:72:A:ILE:HD12	1:73:A:LYS:H	7	0.23
(1,1999)	1:72:A:ILE:HD13	1:73:A:LYS:H	7	0.23
(1,1998)	1:72:B:ILE:HD11	1:73:B:LYS:H	7	0.23
(1,1998)	1:72:B:ILE:HD12	1:73:B:LYS:H	7	0.23
(1,1998)	1:72:B:ILE:HD13	1:73:B:LYS:H	7	0.23
(1,1974)	1:43:A:PRO:HB3	1:44:A:LEU:H	18	0.23
(1,1951)	1:62:B:THR:HA	1:24:B:SER:H	15	0.23
(1,1916)	1:94:A:ILE:HG21	1:69:B:TRP:HH2	4	0.23
(1,1916)	1:94:A:ILE:HG22	1:69:B:TRP:HH2	4	0.23
(1,1916)	1:94:A:ILE:HG23	1:69:B:TRP:HH2	4	0.23
(1,1915)	1:94:B:ILE:HG21	1:69:A:TRP:HH2	4	0.23
(1,1915)	1:94:B:ILE:HG22	1:69:A:TRP:HH2	4	0.23
(1,1915)	1:94:B:ILE:HG23	1:69:A:TRP:HH2	4	0.23
(1,1911)	1:94:B:ILE:HG21	1:97:B:ARG:H	13	0.23
(1,1911)	1:94:B:ILE:HG22	1:97:B:ARG:H	13	0.23
(1,1911)	1:94:B:ILE:HG23	1:97:B:ARG:H	13	0.23
(1,1903)	1:57:A:LEU:HD11	1:57:A:LEU:H	9	0.23
(1,1903)	1:57:A:LEU:HD12	1:57:A:LEU:H	9	0.23
(1,1903)	1:57:A:LEU:HD13	1:57:A:LEU:H	9	0.23
(1,1887)	1:48:B:MET:H	1:48:B:MET:HG3	7	0.23
(1,1875)	1:93:B:ASN:HA	1:98:B:ARG:H	16	0.23
(1,1867)	1:94:A:ILE:HG21	1:91:A:MET:HA	8	0.23
(1,1867)	1:94:A:ILE:HG22	1:91:A:MET:HA	8	0.23
(1,1867)	1:94:A:ILE:HG23	1:91:A:MET:HA	8	0.23
(1,1866)	1:94:B:ILE:HG21	1:91:B:MET:HA	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1866)	1:94:B:ILE:HG22	1:91:B:MET:HA	8	0.23
(1,1866)	1:94:B:ILE:HG23	1:91:B:MET:HA	8	0.23
(1,1858)	1:62:B:THR:HB	1:63:B:ALA:H	5	0.23
(1,1836)	1:65:B:ILE:HG21	1:51:B:VAL:HA	3	0.23
(1,1836)	1:65:B:ILE:HG22	1:51:B:VAL:HA	3	0.23
(1,1836)	1:65:B:ILE:HG23	1:51:B:VAL:HA	3	0.23
(1,1835)	1:65:A:ILE:HG21	1:51:A:VAL:HA	3	0.23
(1,1835)	1:65:A:ILE:HG22	1:51:A:VAL:HA	3	0.23
(1,1835)	1:65:A:ILE:HG23	1:51:A:VAL:HA	3	0.23
(1,1818)	1:80:B:VAL:HG21	1:77:B:ALA:HA	10	0.23
(1,1818)	1:80:B:VAL:HG22	1:77:B:ALA:HA	10	0.23
(1,1818)	1:80:B:VAL:HG23	1:77:B:ALA:HA	10	0.23
(1,1808)	1:51:B:VAL:HG11	1:48:B:MET:HA	5	0.23
(1,1808)	1:51:B:VAL:HG12	1:48:B:MET:HA	5	0.23
(1,1808)	1:51:B:VAL:HG13	1:48:B:MET:HA	5	0.23
(1,1807)	1:51:A:VAL:HG11	1:48:A:MET:HA	5	0.23
(1,1807)	1:51:A:VAL:HG12	1:48:A:MET:HA	5	0.23
(1,1807)	1:51:A:VAL:HG13	1:48:A:MET:HA	5	0.23
(1,1748)	1:88:A:ILE:HG21	1:86:A:LYS:H	1	0.23
(1,1748)	1:88:A:ILE:HG22	1:86:A:LYS:H	1	0.23
(1,1748)	1:88:A:ILE:HG23	1:86:A:LYS:H	1	0.23
(1,1748)	1:88:A:ILE:HG21	1:86:A:LYS:H	11	0.23
(1,1748)	1:88:A:ILE:HG22	1:86:A:LYS:H	11	0.23
(1,1748)	1:88:A:ILE:HG23	1:86:A:LYS:H	11	0.23
(1,1747)	1:88:B:ILE:HG21	1:86:B:LYS:H	6	0.23
(1,1747)	1:88:B:ILE:HG22	1:86:B:LYS:H	6	0.23
(1,1747)	1:88:B:ILE:HG23	1:86:B:LYS:H	6	0.23
(1,1747)	1:88:B:ILE:HG21	1:86:B:LYS:H	11	0.23
(1,1747)	1:88:B:ILE:HG22	1:86:B:LYS:H	11	0.23
(1,1747)	1:88:B:ILE:HG23	1:86:B:LYS:H	11	0.23
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	2	0.23
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	4	0.23
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD3	5	0.23
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	12	0.23
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD3	14	0.23
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD3	17	0.23
(1,1702)	1:84:A:PHE:HA	1:87:A:GLU:H	3	0.23
(1,1702)	1:84:A:PHE:HA	1:87:A:GLU:H	14	0.23
(1,1701)	1:84:B:PHE:HA	1:87:B:GLU:H	3	0.23
(1,1701)	1:84:B:PHE:HA	1:87:B:GLU:H	14	0.23
(1,1698)	1:81:A:LEU:H	1:84:A:PHE:HB2	1	0.23
(1,1668)	1:78:A:ILE:HG21	1:92:B:LEU:HA	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1668)	1:78:A:ILE:HG22	1:92:B:LEU:HA	8	0.23
(1,1668)	1:78:A:ILE:HG23	1:92:B:LEU:HA	8	0.23
(1,1653)	1:69:B:TRP:HA	1:67:B:LYS:H	3	0.23
(1,1653)	1:69:B:TRP:HA	1:67:B:LYS:H	20	0.23
(1,1652)	1:69:A:TRP:HA	1:67:A:LYS:H	3	0.23
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD21	5	0.23
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD22	5	0.23
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD23	5	0.23
(1,1500)	1:65:A:ILE:HD11	1:66:A:LEU:H	17	0.23
(1,1500)	1:65:A:ILE:HD12	1:66:A:LEU:H	17	0.23
(1,1500)	1:65:A:ILE:HD13	1:66:A:LEU:H	17	0.23
(1,1499)	1:65:B:ILE:HD11	1:66:B:LEU:H	11	0.23
(1,1499)	1:65:B:ILE:HD12	1:66:B:LEU:H	11	0.23
(1,1499)	1:65:B:ILE:HD13	1:66:B:LEU:H	11	0.23
(1,1499)	1:65:B:ILE:HD11	1:66:B:LEU:H	17	0.23
(1,1499)	1:65:B:ILE:HD12	1:66:B:LEU:H	17	0.23
(1,1499)	1:65:B:ILE:HD13	1:66:B:LEU:H	17	0.23
(1,1482)	1:41:B:ARG:H	1:39:B:GLN:H	17	0.23
(1,1481)	1:41:A:ARG:H	1:39:A:GLN:H	17	0.23
(1,1458)	1:28:B:GLN:H	1:25:B:THR:H	1	0.23
(1,1458)	1:28:B:GLN:H	1:25:B:THR:H	17	0.23
(1,1457)	1:28:A:GLN:H	1:25:A:THR:H	17	0.23
(1,1450)	1:98:A:ARG:H	1:97:A:ARG:HB2	1	0.23
(1,1449)	1:98:B:ARG:H	1:97:B:ARG:HB2	1	0.23
(1,1435)	1:57:B:LEU:HD11	1:57:B:LEU:H	18	0.23
(1,1435)	1:57:B:LEU:HD12	1:57:B:LEU:H	18	0.23
(1,1435)	1:57:B:LEU:HD13	1:57:B:LEU:H	18	0.23
(1,1434)	1:57:A:LEU:HD11	1:57:A:LEU:H	18	0.23
(1,1434)	1:57:A:LEU:HD12	1:57:A:LEU:H	18	0.23
(1,1434)	1:57:A:LEU:HD13	1:57:A:LEU:H	18	0.23
(1,1433)	1:57:A:LEU:HD11	1:57:A:LEU:H	18	0.23
(1,1433)	1:57:A:LEU:HD12	1:57:A:LEU:H	18	0.23
(1,1433)	1:57:A:LEU:HD13	1:57:A:LEU:H	18	0.23
(1,1421)	1:95:B:LEU:HD11	1:74:A:LYS:HA	4	0.23
(1,1421)	1:95:B:LEU:HD12	1:74:A:LYS:HA	4	0.23
(1,1421)	1:95:B:LEU:HD13	1:74:A:LYS:HA	4	0.23
(1,1421)	1:95:B:LEU:HD11	1:74:A:LYS:HA	17	0.23
(1,1421)	1:95:B:LEU:HD12	1:74:A:LYS:HA	17	0.23
(1,1421)	1:95:B:LEU:HD13	1:74:A:LYS:HA	17	0.23
(1,1404)	1:67:A:LYS:HD2	1:67:A:LYS:HE3	2	0.23
(1,1404)	1:67:A:LYS:HD2	1:67:A:LYS:HE2	4	0.23
(1,1404)	1:67:A:LYS:HD2	1:67:A:LYS:HE3	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1404)	1:67:A:LYS:HD3	1:67:A:LYS:HE2	6	0.23
(1,1404)	1:67:A:LYS:HD2	1:67:A:LYS:HE2	11	0.23
(1,1404)	1:67:A:LYS:HD2	1:67:A:LYS:HE3	12	0.23
(1,1404)	1:67:A:LYS:HD3	1:67:A:LYS:HE2	15	0.23
(1,1404)	1:67:A:LYS:HD2	1:67:A:LYS:HE3	19	0.23
(1,1403)	1:67:B:LYS:HD2	1:67:B:LYS:HE3	2	0.23
(1,1403)	1:67:B:LYS:HD2	1:67:B:LYS:HE2	4	0.23
(1,1403)	1:67:B:LYS:HD2	1:67:B:LYS:HE3	5	0.23
(1,1403)	1:67:B:LYS:HD3	1:67:B:LYS:HE2	6	0.23
(1,1403)	1:67:B:LYS:HD3	1:67:B:LYS:HE2	15	0.23
(1,1403)	1:67:B:LYS:HD2	1:67:B:LYS:HE3	19	0.23
(1,1403)	1:67:B:LYS:HD2	1:67:B:LYS:HE3	20	0.23
(1,1380)	1:62:B:THR:HB	1:63:B:ALA:HB1	11	0.23
(1,1380)	1:62:B:THR:HB	1:63:B:ALA:HB2	11	0.23
(1,1380)	1:62:B:THR:HB	1:63:B:ALA:HB3	11	0.23
(1,1379)	1:62:A:THR:HB	1:63:A:ALA:HB1	11	0.23
(1,1379)	1:62:A:THR:HB	1:63:A:ALA:HB2	11	0.23
(1,1379)	1:62:A:THR:HB	1:63:A:ALA:HB3	11	0.23
(1,1297)	1:69:A:TRP:HH2	1:66:A:LEU:HD21	3	0.23
(1,1297)	1:69:A:TRP:HH2	1:66:A:LEU:HD22	3	0.23
(1,1297)	1:69:A:TRP:HH2	1:66:A:LEU:HD23	3	0.23
(1,1274)	1:23:A:VAL:H	1:24:A:SER:HA	19	0.23
(1,1268)	1:69:B:TRP:HE3	1:47:B:PHE:HE1	5	0.23
(1,1268)	1:69:B:TRP:HE3	1:47:B:PHE:HE2	5	0.23
(1,1267)	1:69:A:TRP:HE3	1:47:A:PHE:HE1	5	0.23
(1,1267)	1:69:A:TRP:HE3	1:47:A:PHE:HE2	5	0.23
(1,1199)	1:58:B:THR:HA	1:58:B:THR:H	9	0.23
(1,1199)	1:58:B:THR:HA	1:58:B:THR:H	12	0.23
(1,1199)	1:58:B:THR:HA	1:58:B:THR:H	19	0.23
(1,1198)	1:58:A:THR:HA	1:58:A:THR:H	12	0.23
(1,1198)	1:58:A:THR:HA	1:58:A:THR:H	17	0.23
(1,1198)	1:58:A:THR:HA	1:58:A:THR:H	18	0.23
(1,1198)	1:58:A:THR:HA	1:58:A:THR:H	19	0.23
(1,1114)	1:92:A:LEU:HD21	1:82:B:ARG:H	8	0.23
(1,1114)	1:92:A:LEU:HD22	1:82:B:ARG:H	8	0.23
(1,1114)	1:92:A:LEU:HD23	1:82:B:ARG:H	8	0.23
(1,1062)	1:27:B:GLN:H	1:29:B:LEU:H	5	0.23
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG21	1	0.23
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG22	1	0.23
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG23	1	0.23
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG21	3	0.23
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG22	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG23	3	0.23
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG21	14	0.23
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG22	14	0.23
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG23	14	0.23
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG21	1	0.23
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG22	1	0.23
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG23	1	0.23
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG21	3	0.23
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG22	3	0.23
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG23	3	0.23
(1,1033)	1:71:B:THR:H	1:69:B:TRP:H	17	0.23
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD11	8	0.23
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD12	8	0.23
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD13	8	0.23
(1,985)	1:23:B:VAL:HG11	1:24:B:SER:H	11	0.23
(1,985)	1:23:B:VAL:HG12	1:24:B:SER:H	11	0.23
(1,985)	1:23:B:VAL:HG13	1:24:B:SER:H	11	0.23
(1,966)	1:62:A:THR:H	1:65:A:ILE:HB	17	0.23
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD11	19	0.23
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD12	19	0.23
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD13	19	0.23
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD11	19	0.23
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD12	19	0.23
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD13	19	0.23
(1,850)	1:95:B:LEU:H	1:93:B:ASN:HA	4	0.23
(1,850)	1:95:B:LEU:H	1:93:B:ASN:HA	10	0.23
(1,849)	1:95:A:LEU:H	1:93:A:ASN:HA	4	0.23
(1,849)	1:95:A:LEU:H	1:93:A:ASN:HA	10	0.23
(1,797)	1:59:A:ILE:HB	1:60:A:PRO:HD2	19	0.23
(1,758)	1:22:B:ARG:HG3	1:22:B:ARG:H	2	0.23
(1,735)	1:38:B:LEU:HA	1:39:B:GLN:H	4	0.23
(1,734)	1:38:A:LEU:HA	1:39:A:GLN:H	4	0.23
(1,705)	1:79:A:ASN:H	1:79:A:ASN:HB2	3	0.23
(1,704)	1:79:B:ASN:H	1:79:B:ASN:HB2	3	0.23
(1,704)	1:79:B:ASN:H	1:79:B:ASN:HB2	14	0.23
(1,663)	1:62:A:THR:H	1:66:A:LEU:H	18	0.23
(1,662)	1:62:B:THR:H	1:66:B:LEU:H	18	0.23
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD11	17	0.23
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD12	17	0.23
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD13	17	0.23
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD11	17	0.23
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD12	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD13	17	0.23
(1,546)	1:70:A:GLY:H	1:68:A:ARG:HE	10	0.23
(1,537)	1:52:A:ALA:HB1	1:52:B:ALA:HA	15	0.23
(1,537)	1:52:A:ALA:HB2	1:52:B:ALA:HA	15	0.23
(1,537)	1:52:A:ALA:HB3	1:52:B:ALA:HA	15	0.23
(1,515)	1:79:B:ASN:H	1:77:B:ALA:H	7	0.23
(1,341)	1:75:A:SER:H	1:75:A:SER:HB2	4	0.23
(1,341)	1:75:A:SER:H	1:75:A:SER:HB2	9	0.23
(1,341)	1:75:A:SER:H	1:75:A:SER:HB2	11	0.23
(1,341)	1:75:A:SER:H	1:75:A:SER:HB2	17	0.23
(1,258)	1:94:A:ILE:HD11	1:87:A:GLU:HA	8	0.23
(1,258)	1:94:A:ILE:HD12	1:87:A:GLU:HA	8	0.23
(1,258)	1:94:A:ILE:HD13	1:87:A:GLU:HA	8	0.23
(1,257)	1:94:B:ILE:HD11	1:87:B:GLU:HA	8	0.23
(1,257)	1:94:B:ILE:HD12	1:87:B:GLU:HA	8	0.23
(1,257)	1:94:B:ILE:HD13	1:87:B:GLU:HA	8	0.23
(1,216)	1:77:B:ALA:HB1	1:48:B:MET:HG2	8	0.23
(1,216)	1:77:B:ALA:HB2	1:48:B:MET:HG2	8	0.23
(1,216)	1:77:B:ALA:HB3	1:48:B:MET:HG2	8	0.23
(1,165)	1:69:A:TRP:HH2	1:95:B:LEU:HG	9	0.23
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD1	18	0.23
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD2	18	0.23
(1,56)	1:49:A:ALA:HB1	1:56:B:PHE:HE1	3	0.23
(1,56)	1:49:A:ALA:HB1	1:56:B:PHE:HE2	3	0.23
(1,56)	1:49:A:ALA:HB2	1:56:B:PHE:HE1	3	0.23
(1,56)	1:49:A:ALA:HB2	1:56:B:PHE:HE2	3	0.23
(1,56)	1:49:A:ALA:HB3	1:56:B:PHE:HE1	3	0.23
(1,56)	1:49:A:ALA:HB3	1:56:B:PHE:HE2	3	0.23
(1,30)	1:95:B:LEU:HD11	1:74:A:LYS:HA	4	0.23
(1,30)	1:95:B:LEU:HD12	1:74:A:LYS:HA	4	0.23
(1,30)	1:95:B:LEU:HD13	1:74:A:LYS:HA	4	0.23
(1,30)	1:95:B:LEU:HD11	1:74:A:LYS:HA	17	0.23
(1,30)	1:95:B:LEU:HD12	1:74:A:LYS:HA	17	0.23
(1,30)	1:95:B:LEU:HD13	1:74:A:LYS:HA	17	0.23
(2,353)	1:24:A:SER:HB3	1:25:A:THR:H	20	0.22
(2,343)	1:44:A:LEU:HG	1:76:A:LYS:HE2	3	0.22
(2,337)	1:21:B:ASN:HB3	1:23:B:VAL:H	4	0.22
(2,334)	1:24:B:SER:HB3	1:24:B:SER:H	7	0.22
(2,308)	1:76:A:LYS:HB3	1:76:A:LYS:HA	16	0.22
(2,308)	1:76:A:LYS:HB3	1:76:A:LYS:HA	19	0.22
(2,281)	1:31:A:LYS:HE3	1:27:A:GLN:HG2	16	0.22
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG3	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG3	13	0.22
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG3	13	0.22
(2,177)	1:69:B:TRP:H	1:68:B:ARG:HB2	3	0.22
(2,152)	1:48:A:MET:H	1:48:A:MET:HG3	9	0.22
(2,74)	1:45:B:LYS:HG3	1:45:B:LYS:HD2	1	0.22
(2,74)	1:45:B:LYS:HG2	1:45:B:LYS:HD3	7	0.22
(2,74)	1:45:B:LYS:HG3	1:45:B:LYS:HD3	16	0.22
(2,74)	1:45:B:LYS:HG2	1:45:B:LYS:HD2	17	0.22
(2,74)	1:45:B:LYS:HG3	1:45:B:LYS:HD2	20	0.22
(2,18)	1:65:B:ILE:HD11	1:61:B:PRO:HB3	3	0.22
(2,18)	1:65:B:ILE:HD12	1:61:B:PRO:HB3	3	0.22
(2,18)	1:65:B:ILE:HD13	1:61:B:PRO:HB3	3	0.22
(1,3479)	1:87:A:GLU:HA	1:89:A:GLY:HA2	20	0.22
(1,3442)	1:82:B:ARG:HA	1:79:B:ASN:HA	7	0.22
(1,3441)	1:82:A:ARG:HA	1:79:A:ASN:HA	7	0.22
(1,3334)	1:97:A:ARG:HA	1:94:A:ILE:HA	9	0.22
(1,3325)	1:76:A:LYS:H	1:76:A:LYS:HG3	1	0.22
(1,3324)	1:76:B:LYS:H	1:76:B:LYS:HG3	1	0.22
(1,3269)	1:44:B:LEU:H	1:47:B:PHE:HB2	19	0.22
(1,3249)	1:76:B:LYS:HB3	1:76:B:LYS:HA	16	0.22
(1,3249)	1:76:B:LYS:HB3	1:76:B:LYS:HA	19	0.22
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG21	6	0.22
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG22	6	0.22
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG23	6	0.22
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG21	6	0.22
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG22	6	0.22
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG23	6	0.22
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG21	6	0.22
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG22	6	0.22
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG23	6	0.22
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG21	6	0.22
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG22	6	0.22
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG23	6	0.22
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG21	6	0.22
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG22	6	0.22
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG23	6	0.22
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG21	6	0.22
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG22	6	0.22
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG23	6	0.22
(1,3146)	1:51:B:VAL:HG21	1:69:B:TRP:HZ3	7	0.22
(1,3146)	1:51:B:VAL:HG22	1:69:B:TRP:HZ3	7	0.22
(1,3146)	1:51:B:VAL:HG23	1:69:B:TRP:HZ3	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD11	15	0.22
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD12	15	0.22
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD13	15	0.22
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD11	15	0.22
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD12	15	0.22
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD13	15	0.22
(1,2966)	1:80:A:VAL:HG21	1:84:A:PHE:HB2	17	0.22
(1,2966)	1:80:A:VAL:HG22	1:84:A:PHE:HB2	17	0.22
(1,2966)	1:80:A:VAL:HG23	1:84:A:PHE:HB2	17	0.22
(1,2965)	1:78:A:ILE:HA	1:82:A:ARG:H	9	0.22
(1,2965)	1:78:A:ILE:HA	1:82:A:ARG:H	18	0.22
(1,2965)	1:78:A:ILE:HA	1:82:A:ARG:H	19	0.22
(1,2964)	1:78:B:ILE:HA	1:82:B:ARG:H	9	0.22
(1,2964)	1:78:B:ILE:HA	1:82:B:ARG:H	18	0.22
(1,2964)	1:78:B:ILE:HA	1:82:B:ARG:H	19	0.22
(1,2959)	1:29:A:LEU:HA	1:28:A:GLN:HG2	15	0.22
(1,2958)	1:29:B:LEU:HA	1:28:B:GLN:HG2	15	0.22
(1,2874)	1:88:B:ILE:HB	1:89:B:GLY:HA2	6	0.22
(1,2874)	1:88:B:ILE:HB	1:89:B:GLY:HA2	10	0.22
(1,2873)	1:88:A:ILE:HB	1:89:A:GLY:HA2	6	0.22
(1,2806)	1:23:B:VAL:HG21	1:24:B:SER:HA	2	0.22
(1,2806)	1:23:B:VAL:HG22	1:24:B:SER:HA	2	0.22
(1,2806)	1:23:B:VAL:HG23	1:24:B:SER:HA	2	0.22
(1,2726)	1:80:A:VAL:HG21	1:45:A:LYS:HB3	9	0.22
(1,2726)	1:80:A:VAL:HG22	1:45:A:LYS:HB3	9	0.22
(1,2726)	1:80:A:VAL:HG23	1:45:A:LYS:HB3	9	0.22
(1,2724)	1:47:B:PHE:HD1	1:65:B:ILE:HG13	6	0.22
(1,2724)	1:47:B:PHE:HD2	1:65:B:ILE:HG13	6	0.22
(1,2723)	1:47:A:PHE:HD1	1:65:A:ILE:HG13	6	0.22
(1,2723)	1:47:A:PHE:HD2	1:65:A:ILE:HG13	6	0.22
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD1	12	0.22
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD2	12	0.22
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD1	12	0.22
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD2	12	0.22
(1,2668)	1:88:A:ILE:HA	1:52:B:ALA:HA	16	0.22
(1,2603)	1:82:B:ARG:HA	1:85:B:ARG:HD3	13	0.22
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG21	13	0.22
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG22	13	0.22
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG23	13	0.22
(1,2417)	1:62:B:THR:H	1:63:B:ALA:HA	7	0.22
(1,2417)	1:62:B:THR:H	1:63:B:ALA:HA	13	0.22
(1,2416)	1:62:A:THR:H	1:63:A:ALA:HA	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2416)	1:62:A:THR:H	1:63:A:ALA:HA	13	0.22
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB3	3	0.22
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB3	13	0.22
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB3	3	0.22
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB3	13	0.22
(1,2288)	1:24:A:SER:HB3	1:24:A:SER:H	7	0.22
(1,2242)	1:91:B:MET:HB2	1:93:B:ASN:H	4	0.22
(1,2241)	1:91:A:MET:HB2	1:93:A:ASN:H	4	0.22
(1,2241)	1:91:A:MET:HB2	1:93:A:ASN:H	7	0.22
(1,2153)	1:42:A:GLY:HA2	1:43:A:PRO:HD2	2	0.22
(1,2152)	1:42:B:GLY:HA2	1:43:B:PRO:HD2	6	0.22
(1,2148)	1:79:A:ASN:H	1:76:A:LYS:HA	15	0.22
(1,2034)	1:26:B:VAL:HA	1:25:B:THR:HA	13	0.22
(1,2033)	1:26:A:VAL:HA	1:25:A:THR:HA	1	0.22
(1,2033)	1:26:A:VAL:HA	1:25:A:THR:HA	13	0.22
(1,1973)	1:43:B:PRO:HB3	1:44:B:LEU:H	18	0.22
(1,1952)	1:62:A:THR:HA	1:24:A:SER:H	17	0.22
(1,1951)	1:62:B:THR:HA	1:24:B:SER:H	17	0.22
(1,1912)	1:94:A:ILE:HG21	1:97:A:ARG:H	13	0.22
(1,1912)	1:94:A:ILE:HG22	1:97:A:ARG:H	13	0.22
(1,1912)	1:94:A:ILE:HG23	1:97:A:ARG:H	13	0.22
(1,1910)	1:87:B:GLU:HB3	1:90:B:ARG:H	16	0.22
(1,1909)	1:87:A:GLU:HB3	1:90:A:ARG:H	16	0.22
(1,1904)	1:57:B:LEU:HD11	1:57:B:LEU:H	9	0.22
(1,1904)	1:57:B:LEU:HD12	1:57:B:LEU:H	9	0.22
(1,1904)	1:57:B:LEU:HD13	1:57:B:LEU:H	9	0.22
(1,1903)	1:57:A:LEU:HD11	1:57:A:LEU:H	6	0.22
(1,1903)	1:57:A:LEU:HD12	1:57:A:LEU:H	6	0.22
(1,1903)	1:57:A:LEU:HD13	1:57:A:LEU:H	6	0.22
(1,1887)	1:48:B:MET:H	1:48:B:MET:HG3	9	0.22
(1,1876)	1:93:A:ASN:HA	1:98:A:ARG:H	16	0.22
(1,1867)	1:94:A:ILE:HG21	1:91:A:MET:HA	12	0.22
(1,1867)	1:94:A:ILE:HG22	1:91:A:MET:HA	12	0.22
(1,1867)	1:94:A:ILE:HG23	1:91:A:MET:HA	12	0.22
(1,1866)	1:94:B:ILE:HG21	1:91:B:MET:HA	12	0.22
(1,1866)	1:94:B:ILE:HG22	1:91:B:MET:HA	12	0.22
(1,1866)	1:94:B:ILE:HG23	1:91:B:MET:HA	12	0.22
(1,1859)	1:62:A:THR:HB	1:63:A:ALA:H	5	0.22
(1,1859)	1:62:A:THR:HB	1:63:A:ALA:H	12	0.22
(1,1845)	1:51:B:VAL:HA	1:54:B:LEU:HB2	16	0.22
(1,1844)	1:51:A:VAL:HA	1:54:A:LEU:HB2	16	0.22
(1,1817)	1:80:A:VAL:HG21	1:77:A:ALA:HA	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1817)	1:80:A:VAL:HG22	1:77:A:ALA:HA	10	0.22
(1,1817)	1:80:A:VAL:HG23	1:77:A:ALA:HA	10	0.22
(1,1748)	1:88:A:ILE:HG21	1:86:A:LYS:H	3	0.22
(1,1748)	1:88:A:ILE:HG22	1:86:A:LYS:H	3	0.22
(1,1748)	1:88:A:ILE:HG23	1:86:A:LYS:H	3	0.22
(1,1748)	1:88:A:ILE:HG21	1:86:A:LYS:H	6	0.22
(1,1748)	1:88:A:ILE:HG22	1:86:A:LYS:H	6	0.22
(1,1748)	1:88:A:ILE:HG23	1:86:A:LYS:H	6	0.22
(1,1747)	1:88:B:ILE:HG21	1:86:B:LYS:H	1	0.22
(1,1747)	1:88:B:ILE:HG22	1:86:B:LYS:H	1	0.22
(1,1747)	1:88:B:ILE:HG23	1:86:B:LYS:H	1	0.22
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	1	0.22
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD3	11	0.22
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	13	0.22
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD3	16	0.22
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	20	0.22
(1,1711)	1:82:B:ARG:HA	1:85:B:ARG:HD3	12	0.22
(1,1710)	1:82:A:ARG:HA	1:85:A:ARG:HD3	12	0.22
(1,1702)	1:84:A:PHE:HA	1:87:A:GLU:H	7	0.22
(1,1702)	1:84:A:PHE:HA	1:87:A:GLU:H	10	0.22
(1,1702)	1:84:A:PHE:HA	1:87:A:GLU:H	15	0.22
(1,1701)	1:84:B:PHE:HA	1:87:B:GLU:H	7	0.22
(1,1701)	1:84:B:PHE:HA	1:87:B:GLU:H	10	0.22
(1,1701)	1:84:B:PHE:HA	1:87:B:GLU:H	15	0.22
(1,1684)	1:78:A:ILE:HG21	1:79:A:ASN:H	5	0.22
(1,1684)	1:78:A:ILE:HG22	1:79:A:ASN:H	5	0.22
(1,1684)	1:78:A:ILE:HG23	1:79:A:ASN:H	5	0.22
(1,1683)	1:78:B:ILE:HG21	1:79:B:ASN:H	5	0.22
(1,1683)	1:78:B:ILE:HG22	1:79:B:ASN:H	5	0.22
(1,1683)	1:78:B:ILE:HG23	1:79:B:ASN:H	5	0.22
(1,1666)	1:95:A:LEU:HG	1:92:A:LEU:HA	13	0.22
(1,1662)	1:78:B:ILE:HG21	1:79:B:ASN:HD21	10	0.22
(1,1662)	1:78:B:ILE:HG22	1:79:B:ASN:HD21	10	0.22
(1,1662)	1:78:B:ILE:HG23	1:79:B:ASN:HD21	10	0.22
(1,1632)	1:52:A:ALA:H	1:48:A:MET:HA	13	0.22
(1,1631)	1:52:B:ALA:H	1:48:B:MET:HA	13	0.22
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD21	5	0.22
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD22	5	0.22
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD23	5	0.22
(1,1514)	1:57:B:LEU:HD21	1:57:B:LEU:H	4	0.22
(1,1514)	1:57:B:LEU:HD22	1:57:B:LEU:H	4	0.22
(1,1514)	1:57:B:LEU:HD23	1:57:B:LEU:H	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1514)	1:57:B:LEU:HD21	1:57:B:LEU:H	6	0.22
(1,1514)	1:57:B:LEU:HD22	1:57:B:LEU:H	6	0.22
(1,1514)	1:57:B:LEU:HD23	1:57:B:LEU:H	6	0.22
(1,1514)	1:57:B:LEU:HD21	1:57:B:LEU:H	8	0.22
(1,1514)	1:57:B:LEU:HD22	1:57:B:LEU:H	8	0.22
(1,1514)	1:57:B:LEU:HD23	1:57:B:LEU:H	8	0.22
(1,1514)	1:57:B:LEU:HD21	1:57:B:LEU:H	12	0.22
(1,1514)	1:57:B:LEU:HD22	1:57:B:LEU:H	12	0.22
(1,1514)	1:57:B:LEU:HD23	1:57:B:LEU:H	12	0.22
(1,1457)	1:28:A:GLN:H	1:25:A:THR:H	1	0.22
(1,1448)	1:91:B:MET:HA	1:94:B:ILE:H	11	0.22
(1,1448)	1:91:B:MET:HA	1:94:B:ILE:H	19	0.22
(1,1447)	1:91:A:MET:HA	1:94:A:ILE:H	19	0.22
(1,1435)	1:57:B:LEU:HD11	1:57:B:LEU:H	4	0.22
(1,1435)	1:57:B:LEU:HD12	1:57:B:LEU:H	4	0.22
(1,1435)	1:57:B:LEU:HD13	1:57:B:LEU:H	4	0.22
(1,1434)	1:57:A:LEU:HD11	1:57:A:LEU:H	4	0.22
(1,1434)	1:57:A:LEU:HD12	1:57:A:LEU:H	4	0.22
(1,1434)	1:57:A:LEU:HD13	1:57:A:LEU:H	4	0.22
(1,1434)	1:57:A:LEU:HD11	1:57:A:LEU:H	13	0.22
(1,1434)	1:57:A:LEU:HD12	1:57:A:LEU:H	13	0.22
(1,1434)	1:57:A:LEU:HD13	1:57:A:LEU:H	13	0.22
(1,1433)	1:57:A:LEU:HD11	1:57:A:LEU:H	4	0.22
(1,1433)	1:57:A:LEU:HD12	1:57:A:LEU:H	4	0.22
(1,1433)	1:57:A:LEU:HD13	1:57:A:LEU:H	4	0.22
(1,1433)	1:57:A:LEU:HD11	1:57:A:LEU:H	13	0.22
(1,1433)	1:57:A:LEU:HD12	1:57:A:LEU:H	13	0.22
(1,1433)	1:57:A:LEU:HD13	1:57:A:LEU:H	13	0.22
(1,1404)	1:67:A:LYS:HD3	1:67:A:LYS:HE2	1	0.22
(1,1404)	1:67:A:LYS:HD3	1:67:A:LYS:HE2	10	0.22
(1,1403)	1:67:B:LYS:HD3	1:67:B:LYS:HE2	1	0.22
(1,1403)	1:67:B:LYS:HD2	1:67:B:LYS:HE3	12	0.22
(1,1403)	1:67:B:LYS:HD3	1:67:B:LYS:HE2	16	0.22
(1,1380)	1:62:B:THR:HB	1:63:B:ALA:HB1	6	0.22
(1,1380)	1:62:B:THR:HB	1:63:B:ALA:HB2	6	0.22
(1,1380)	1:62:B:THR:HB	1:63:B:ALA:HB3	6	0.22
(1,1379)	1:62:A:THR:HB	1:63:A:ALA:HB1	6	0.22
(1,1379)	1:62:A:THR:HB	1:63:A:ALA:HB2	6	0.22
(1,1379)	1:62:A:THR:HB	1:63:A:ALA:HB3	6	0.22
(1,1350)	1:28:A:GLN:HA	1:31:A:LYS:H	14	0.22
(1,1349)	1:28:B:GLN:HA	1:31:B:LYS:H	14	0.22
(1,1349)	1:28:B:GLN:HA	1:31:B:LYS:H	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1332)	1:45:A:LYS:HG2	1:45:A:LYS:H	17	0.22
(1,1311)	1:95:A:LEU:HD11	1:69:B:TRP:HH2	5	0.22
(1,1311)	1:95:A:LEU:HD12	1:69:B:TRP:HH2	5	0.22
(1,1311)	1:95:A:LEU:HD13	1:69:B:TRP:HH2	5	0.22
(1,1275)	1:23:B:VAL:H	1:24:B:SER:HA	19	0.22
(1,1265)	1:22:A:ARG:HG2	1:22:A:ARG:HA	14	0.22
(1,1264)	1:22:B:ARG:HG2	1:22:B:ARG:HA	14	0.22
(1,1199)	1:58:B:THR:HA	1:58:B:THR:H	13	0.22
(1,1199)	1:58:B:THR:HA	1:58:B:THR:H	18	0.22
(1,1198)	1:58:A:THR:HA	1:58:A:THR:H	5	0.22
(1,1198)	1:58:A:THR:HA	1:58:A:THR:H	9	0.22
(1,1198)	1:58:A:THR:HA	1:58:A:THR:H	13	0.22
(1,1148)	1:41:B:ARG:HB2	1:42:B:GLY:H	11	0.22
(1,1147)	1:25:B:THR:HG21	1:24:B:SER:HA	14	0.22
(1,1147)	1:25:B:THR:HG22	1:24:B:SER:HA	14	0.22
(1,1147)	1:25:B:THR:HG23	1:24:B:SER:HA	14	0.22
(1,1143)	1:83:A:GLY:HA2	1:86:A:LYS:HB2	12	0.22
(1,1141)	1:97:B:ARG:H	1:98:B:ARG:HG2	16	0.22
(1,1140)	1:97:A:ARG:H	1:98:A:ARG:HG2	16	0.22
(1,1124)	1:57:B:LEU:HD21	1:46:A:LEU:HA	8	0.22
(1,1124)	1:57:B:LEU:HD22	1:46:A:LEU:HA	8	0.22
(1,1124)	1:57:B:LEU:HD23	1:46:A:LEU:HA	8	0.22
(1,1081)	1:45:A:LYS:HA	1:47:A:PHE:H	10	0.22
(1,1081)	1:45:A:LYS:HA	1:47:A:PHE:H	11	0.22
(1,1080)	1:45:B:LYS:HA	1:47:B:PHE:H	10	0.22
(1,1047)	1:94:A:ILE:HG13	1:93:A:ASN:H	16	0.22
(1,1046)	1:94:B:ILE:HG13	1:93:B:ASN:H	16	0.22
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG21	14	0.22
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG22	14	0.22
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG23	14	0.22
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD11	12	0.22
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD12	12	0.22
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD13	12	0.22
(1,1008)	1:65:A:ILE:HD11	1:61:A:PRO:HB3	3	0.22
(1,1008)	1:65:A:ILE:HD12	1:61:A:PRO:HB3	3	0.22
(1,1008)	1:65:A:ILE:HD13	1:61:A:PRO:HB3	3	0.22
(1,985)	1:23:B:VAL:HG11	1:24:B:SER:H	10	0.22
(1,985)	1:23:B:VAL:HG12	1:24:B:SER:H	10	0.22
(1,985)	1:23:B:VAL:HG13	1:24:B:SER:H	10	0.22
(1,980)	1:25:A:THR:HG21	1:27:A:GLN:H	7	0.22
(1,980)	1:25:A:THR:HG22	1:27:A:GLN:H	7	0.22
(1,980)	1:25:A:THR:HG23	1:27:A:GLN:H	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,979)	1:25:B:THR:HG21	1:27:B:GLN:H	7	0.22
(1,979)	1:25:B:THR:HG22	1:27:B:GLN:H	7	0.22
(1,979)	1:25:B:THR:HG23	1:27:B:GLN:H	7	0.22
(1,908)	1:28:B:GLN:HA	1:31:B:LYS:HG3	20	0.22
(1,907)	1:28:A:GLN:HA	1:31:A:LYS:HG3	20	0.22
(1,894)	1:25:A:THR:HG21	1:25:A:THR:H	20	0.22
(1,894)	1:25:A:THR:HG22	1:25:A:THR:H	20	0.22
(1,894)	1:25:A:THR:HG23	1:25:A:THR:H	20	0.22
(1,893)	1:25:B:THR:HG21	1:25:B:THR:H	20	0.22
(1,893)	1:25:B:THR:HG22	1:25:B:THR:H	20	0.22
(1,893)	1:25:B:THR:HG23	1:25:B:THR:H	20	0.22
(1,796)	1:59:B:ILE:HB	1:60:B:PRO:HD2	19	0.22
(1,783)	1:22:A:ARG:HG3	1:23:A:VAL:H	2	0.22
(1,711)	1:66:B:LEU:H	1:64:B:GLY:H	6	0.22
(1,710)	1:66:A:LEU:H	1:64:A:GLY:H	6	0.22
(1,663)	1:62:A:THR:H	1:66:A:LEU:H	11	0.22
(1,662)	1:62:B:THR:H	1:66:B:LEU:H	11	0.22
(1,662)	1:62:B:THR:H	1:66:B:LEU:H	19	0.22
(1,567)	1:84:A:PHE:HE1	1:52:B:ALA:HA	16	0.22
(1,567)	1:84:A:PHE:HE2	1:52:B:ALA:HA	16	0.22
(1,534)	1:92:B:LEU:HD11	1:82:A:ARG:HA	1	0.22
(1,534)	1:92:B:LEU:HD12	1:82:A:ARG:HA	1	0.22
(1,534)	1:92:B:LEU:HD13	1:82:A:ARG:HA	1	0.22
(1,533)	1:92:A:LEU:HD11	1:82:B:ARG:HA	15	0.22
(1,533)	1:92:A:LEU:HD12	1:82:B:ARG:HA	15	0.22
(1,533)	1:92:A:LEU:HD13	1:82:B:ARG:HA	15	0.22
(1,516)	1:79:A:ASN:H	1:77:A:ALA:H	7	0.22
(1,516)	1:79:A:ASN:H	1:77:A:ALA:H	8	0.22
(1,515)	1:79:B:ASN:H	1:77:B:ALA:H	8	0.22
(1,436)	1:57:B:LEU:HD11	1:49:A:ALA:HB1	10	0.22
(1,436)	1:57:B:LEU:HD11	1:49:A:ALA:HB2	10	0.22
(1,436)	1:57:B:LEU:HD11	1:49:A:ALA:HB3	10	0.22
(1,436)	1:57:B:LEU:HD12	1:49:A:ALA:HB1	10	0.22
(1,436)	1:57:B:LEU:HD12	1:49:A:ALA:HB2	10	0.22
(1,436)	1:57:B:LEU:HD12	1:49:A:ALA:HB3	10	0.22
(1,436)	1:57:B:LEU:HD13	1:49:A:ALA:HB1	10	0.22
(1,436)	1:57:B:LEU:HD13	1:49:A:ALA:HB2	10	0.22
(1,436)	1:57:B:LEU:HD13	1:49:A:ALA:HB3	10	0.22
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB1	16	0.22
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB2	16	0.22
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB3	16	0.22
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB1	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB2	16	0.22
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB3	16	0.22
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB1	16	0.22
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB2	16	0.22
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB3	16	0.22
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB1	16	0.22
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB2	16	0.22
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB3	16	0.22
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB1	16	0.22
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB2	16	0.22
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB3	16	0.22
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB1	16	0.22
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB2	16	0.22
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB3	16	0.22
(1,347)	1:90:A:ARG:H	1:90:A:ARG:HG3	3	0.22
(1,341)	1:75:A:SER:H	1:75:A:SER:HB2	1	0.22
(1,341)	1:75:A:SER:H	1:75:A:SER:HB2	2	0.22
(1,341)	1:75:A:SER:H	1:75:A:SER:HB2	8	0.22
(1,341)	1:75:A:SER:H	1:75:A:SER:HB2	16	0.22
(1,340)	1:75:B:SER:H	1:75:B:SER:HB2	1	0.22
(1,340)	1:75:B:SER:H	1:75:B:SER:HB2	2	0.22
(1,340)	1:75:B:SER:H	1:75:B:SER:HB2	4	0.22
(1,340)	1:75:B:SER:H	1:75:B:SER:HB2	8	0.22
(1,340)	1:75:B:SER:H	1:75:B:SER:HB2	16	0.22
(1,313)	1:44:B:LEU:HD11	1:47:B:PHE:HD1	12	0.22
(1,313)	1:44:B:LEU:HD11	1:47:B:PHE:HD2	12	0.22
(1,313)	1:44:B:LEU:HD12	1:47:B:PHE:HD1	12	0.22
(1,313)	1:44:B:LEU:HD12	1:47:B:PHE:HD2	12	0.22
(1,313)	1:44:B:LEU:HD13	1:47:B:PHE:HD1	12	0.22
(1,313)	1:44:B:LEU:HD13	1:47:B:PHE:HD2	12	0.22
(1,312)	1:44:A:LEU:HD11	1:47:A:PHE:HD1	12	0.22
(1,312)	1:44:A:LEU:HD11	1:47:A:PHE:HD2	12	0.22
(1,312)	1:44:A:LEU:HD12	1:47:A:PHE:HD1	12	0.22
(1,312)	1:44:A:LEU:HD12	1:47:A:PHE:HD2	12	0.22
(1,312)	1:44:A:LEU:HD13	1:47:A:PHE:HD1	12	0.22
(1,312)	1:44:A:LEU:HD13	1:47:A:PHE:HD2	12	0.22
(1,228)	1:74:A:LYS:HE3	1:98:B:ARG:HD2	20	0.22
(1,215)	1:77:A:ALA:HB1	1:48:A:MET:HG2	8	0.22
(1,215)	1:77:A:ALA:HB2	1:48:A:MET:HG2	8	0.22
(1,215)	1:77:A:ALA:HB3	1:48:A:MET:HG2	8	0.22
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG3	12	0.22
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG3	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG3	12	0.22
(2,360)	1:31:B:LYS:HE3	1:27:B:GLN:HG2	16	0.21
(2,346)	1:90:B:ARG:H	1:90:B:ARG:HG3	3	0.21
(2,338)	1:63:B:ALA:HA	1:67:B:LYS:HD3	12	0.21
(2,308)	1:76:A:LYS:HB3	1:76:A:LYS:HA	7	0.21
(2,308)	1:76:A:LYS:HB2	1:76:A:LYS:HA	8	0.21
(2,308)	1:76:A:LYS:HB3	1:76:A:LYS:HA	9	0.21
(2,308)	1:76:A:LYS:HB3	1:76:A:LYS:HA	12	0.21
(2,308)	1:76:A:LYS:HB3	1:76:A:LYS:HA	18	0.21
(2,308)	1:76:A:LYS:HB3	1:76:A:LYS:HA	20	0.21
(2,177)	1:69:B:TRP:H	1:68:B:ARG:HB2	5	0.21
(2,158)	1:95:B:LEU:HD21	1:72:A:ILE:HG12	6	0.21
(2,158)	1:95:B:LEU:HD22	1:72:A:ILE:HG12	6	0.21
(2,158)	1:95:B:LEU:HD23	1:72:A:ILE:HG12	6	0.21
(2,109)	1:44:B:LEU:HG	1:76:B:LYS:HE2	3	0.21
(2,98)	1:78:A:ILE:HG21	1:79:A:ASN:HD21	10	0.21
(2,98)	1:78:A:ILE:HG22	1:79:A:ASN:HD21	10	0.21
(2,98)	1:78:A:ILE:HG23	1:79:A:ASN:HD21	10	0.21
(2,74)	1:45:B:LYS:HG3	1:45:B:LYS:HD2	8	0.21
(2,74)	1:45:B:LYS:HG3	1:45:B:LYS:HD2	13	0.21
(2,74)	1:45:B:LYS:HG3	1:45:B:LYS:HD2	18	0.21
(2,64)	1:92:B:LEU:HG	1:91:B:MET:HB2	6	0.21
(2,40)	1:27:B:GLN:H	1:24:B:SER:HB2	7	0.21
(2,38)	1:48:B:MET:HG2	1:81:B:LEU:HG	9	0.21
(2,9)	1:24:B:SER:HB3	1:25:B:THR:H	20	0.21
(1,3442)	1:82:B:ARG:HA	1:79:B:ASN:HA	8	0.21
(1,3441)	1:82:A:ARG:HA	1:79:A:ASN:HA	8	0.21
(1,3410)	1:94:A:ILE:HA	1:97:A:ARG:HB2	16	0.21
(1,3409)	1:94:B:ILE:HA	1:97:B:ARG:HB2	16	0.21
(1,3386)	1:77:A:ALA:HB1	1:95:B:LEU:HB2	14	0.21
(1,3386)	1:77:A:ALA:HB2	1:95:B:LEU:HB2	14	0.21
(1,3386)	1:77:A:ALA:HB3	1:95:B:LEU:HB2	14	0.21
(1,3367)	1:77:B:ALA:HB1	1:72:B:ILE:HA	3	0.21
(1,3367)	1:77:B:ALA:HB2	1:72:B:ILE:HA	3	0.21
(1,3367)	1:77:B:ALA:HB3	1:72:B:ILE:HA	3	0.21
(1,3366)	1:77:A:ALA:HB1	1:72:A:ILE:HA	3	0.21
(1,3366)	1:77:A:ALA:HB2	1:72:A:ILE:HA	3	0.21
(1,3366)	1:77:A:ALA:HB3	1:72:A:ILE:HA	3	0.21
(1,3357)	1:84:B:PHE:HD1	1:87:B:GLU:HA	6	0.21
(1,3357)	1:84:B:PHE:HD2	1:87:B:GLU:HA	6	0.21
(1,3356)	1:84:A:PHE:HD1	1:87:A:GLU:HA	6	0.21
(1,3356)	1:84:A:PHE:HD2	1:87:A:GLU:HA	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3342)	1:86:A:LYS:HA	1:89:A:GLY:HA2	6	0.21
(1,3334)	1:97:A:ARG:HA	1:94:A:ILE:HA	1	0.21
(1,3333)	1:97:B:ARG:HA	1:94:B:ILE:HA	1	0.21
(1,3333)	1:97:B:ARG:HA	1:94:B:ILE:HA	9	0.21
(1,3320)	1:88:A:ILE:HA	1:90:A:ARG:H	2	0.21
(1,3298)	1:22:B:ARG:HB3	1:63:B:ALA:H	7	0.21
(1,3270)	1:44:A:LEU:H	1:47:A:PHE:HB2	19	0.21
(1,3249)	1:76:B:LYS:HB3	1:76:B:LYS:HA	7	0.21
(1,3249)	1:76:B:LYS:HB2	1:76:B:LYS:HA	8	0.21
(1,3249)	1:76:B:LYS:HB3	1:76:B:LYS:HA	9	0.21
(1,3249)	1:76:B:LYS:HB3	1:76:B:LYS:HA	12	0.21
(1,3249)	1:76:B:LYS:HB3	1:76:B:LYS:HA	18	0.21
(1,3249)	1:76:B:LYS:HB3	1:76:B:LYS:HA	20	0.21
(1,3215)	1:50:A:LEU:HD21	1:54:A:LEU:H	12	0.21
(1,3215)	1:50:A:LEU:HD22	1:54:A:LEU:H	12	0.21
(1,3215)	1:50:A:LEU:HD23	1:54:A:LEU:H	12	0.21
(1,3214)	1:50:B:LEU:HD21	1:54:B:LEU:H	12	0.21
(1,3214)	1:50:B:LEU:HD22	1:54:B:LEU:H	12	0.21
(1,3214)	1:50:B:LEU:HD23	1:54:B:LEU:H	12	0.21
(1,3145)	1:51:A:VAL:HG21	1:69:A:TRP:HZ3	7	0.21
(1,3145)	1:51:A:VAL:HG22	1:69:A:TRP:HZ3	7	0.21
(1,3145)	1:51:A:VAL:HG23	1:69:A:TRP:HZ3	7	0.21
(1,3098)	1:65:A:ILE:HD11	1:25:A:THR:HB	2	0.21
(1,3098)	1:65:A:ILE:HD12	1:25:A:THR:HB	2	0.21
(1,3098)	1:65:A:ILE:HD13	1:25:A:THR:HB	2	0.21
(1,3097)	1:65:B:ILE:HD11	1:25:B:THR:HB	2	0.21
(1,3097)	1:65:B:ILE:HD12	1:25:B:THR:HB	2	0.21
(1,3097)	1:65:B:ILE:HD13	1:25:B:THR:HB	2	0.21
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD11	15	0.21
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD12	15	0.21
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD13	15	0.21
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD11	15	0.21
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD12	15	0.21
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD13	15	0.21
(1,2995)	1:44:A:LEU:HD11	1:71:A:THR:HA	16	0.21
(1,2995)	1:44:A:LEU:HD12	1:71:A:THR:HA	16	0.21
(1,2995)	1:44:A:LEU:HD13	1:71:A:THR:HA	16	0.21
(1,2994)	1:44:B:LEU:HD11	1:71:B:THR:HA	16	0.21
(1,2994)	1:44:B:LEU:HD12	1:71:B:THR:HA	16	0.21
(1,2994)	1:44:B:LEU:HD13	1:71:B:THR:HA	16	0.21
(1,2879)	1:62:B:THR:HB	1:22:B:ARG:HB3	7	0.21
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD11	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD12	2	0.21
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD13	2	0.21
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD1	7	0.21
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD2	7	0.21
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD1	17	0.21
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD2	17	0.21
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD1	7	0.21
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD2	7	0.21
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD1	17	0.21
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD2	17	0.21
(1,2711)	1:31:A:LYS:H	1:31:A:LYS:HE3	4	0.21
(1,2710)	1:31:B:LYS:H	1:31:B:LYS:HE3	4	0.21
(1,2681)	1:95:B:LEU:HB2	1:74:A:LYS:HD2	6	0.21
(1,2680)	1:95:A:LEU:HB2	1:74:B:LYS:HD2	6	0.21
(1,2628)	1:48:A:MET:HG2	1:81:A:LEU:HG	9	0.21
(1,2604)	1:82:A:ARG:HA	1:85:A:ARG:HD3	13	0.21
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG21	19	0.21
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG22	19	0.21
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG23	19	0.21
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG21	19	0.21
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG22	19	0.21
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG23	19	0.21
(1,2423)	1:23:B:VAL:HG21	1:63:B:ALA:H	2	0.21
(1,2423)	1:23:B:VAL:HG22	1:63:B:ALA:H	2	0.21
(1,2423)	1:23:B:VAL:HG23	1:63:B:ALA:H	2	0.21
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB3	8	0.21
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB3	18	0.21
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB3	8	0.21
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB3	18	0.21
(1,2355)	1:27:B:GLN:HA	1:29:B:LEU:H	9	0.21
(1,2324)	1:78:A:ILE:HA	1:92:B:LEU:HA	12	0.21
(1,2246)	1:45:B:LYS:HA	1:45:B:LYS:HB3	7	0.21
(1,2245)	1:45:A:LYS:HA	1:45:A:LYS:HB3	7	0.21
(1,2242)	1:91:B:MET:HB2	1:93:B:ASN:H	7	0.21
(1,2242)	1:91:B:MET:HB2	1:93:B:ASN:H	11	0.21
(1,2242)	1:91:B:MET:HB2	1:93:B:ASN:H	17	0.21
(1,2241)	1:91:A:MET:HB2	1:93:A:ASN:H	11	0.21
(1,2241)	1:91:A:MET:HB2	1:93:A:ASN:H	17	0.21
(1,2180)	1:63:B:ALA:HB1	1:23:B:VAL:HG21	1	0.21
(1,2180)	1:63:B:ALA:HB1	1:23:B:VAL:HG22	1	0.21
(1,2180)	1:63:B:ALA:HB1	1:23:B:VAL:HG23	1	0.21
(1,2180)	1:63:B:ALA:HB2	1:23:B:VAL:HG21	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2180)	1:63:B:ALA:HB2	1:23:B:VAL:HG22	1	0.21
(1,2180)	1:63:B:ALA:HB2	1:23:B:VAL:HG23	1	0.21
(1,2180)	1:63:B:ALA:HB3	1:23:B:VAL:HG21	1	0.21
(1,2180)	1:63:B:ALA:HB3	1:23:B:VAL:HG22	1	0.21
(1,2180)	1:63:B:ALA:HB3	1:23:B:VAL:HG23	1	0.21
(1,2096)	1:23:B:VAL:HG11	1:24:B:SER:H	16	0.21
(1,2096)	1:23:B:VAL:HG12	1:24:B:SER:H	16	0.21
(1,2096)	1:23:B:VAL:HG13	1:24:B:SER:H	16	0.21
(1,2091)	1:45:B:LYS:HE3	1:45:B:LYS:HB3	6	0.21
(1,2059)	1:57:B:LEU:HD21	1:46:A:LEU:H	6	0.21
(1,2059)	1:57:B:LEU:HD22	1:46:A:LEU:H	6	0.21
(1,2059)	1:57:B:LEU:HD23	1:46:A:LEU:H	6	0.21
(1,2058)	1:49:B:ALA:H	1:52:B:ALA:H	5	0.21
(1,2057)	1:49:A:ALA:H	1:52:A:ALA:H	5	0.21
(1,2034)	1:26:B:VAL:HA	1:25:B:THR:HA	12	0.21
(1,2033)	1:26:A:VAL:HA	1:25:A:THR:HA	12	0.21
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD21	17	0.21
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD22	17	0.21
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD23	17	0.21
(1,1983)	1:59:A:ILE:H	1:59:A:ILE:HB	2	0.21
(1,1982)	1:59:B:ILE:H	1:59:B:ILE:HB	2	0.21
(1,1932)	1:61:B:PRO:HG2	1:54:B:LEU:HD21	16	0.21
(1,1932)	1:61:B:PRO:HG2	1:54:B:LEU:HD22	16	0.21
(1,1932)	1:61:B:PRO:HG2	1:54:B:LEU:HD23	16	0.21
(1,1931)	1:61:A:PRO:HG2	1:54:A:LEU:HD21	16	0.21
(1,1931)	1:61:A:PRO:HG2	1:54:A:LEU:HD22	16	0.21
(1,1931)	1:61:A:PRO:HG2	1:54:A:LEU:HD23	16	0.21
(1,1918)	1:49:A:ALA:HB1	1:57:B:LEU:HA	11	0.21
(1,1918)	1:49:A:ALA:HB2	1:57:B:LEU:HA	11	0.21
(1,1918)	1:49:A:ALA:HB3	1:57:B:LEU:HA	11	0.21
(1,1916)	1:94:A:ILE:HG21	1:69:B:TRP:HH2	20	0.21
(1,1916)	1:94:A:ILE:HG22	1:69:B:TRP:HH2	20	0.21
(1,1916)	1:94:A:ILE:HG23	1:69:B:TRP:HH2	20	0.21
(1,1915)	1:94:B:ILE:HG21	1:69:A:TRP:HH2	20	0.21
(1,1915)	1:94:B:ILE:HG22	1:69:A:TRP:HH2	20	0.21
(1,1915)	1:94:B:ILE:HG23	1:69:A:TRP:HH2	20	0.21
(1,1912)	1:94:A:ILE:HG21	1:97:A:ARG:H	6	0.21
(1,1912)	1:94:A:ILE:HG22	1:97:A:ARG:H	6	0.21
(1,1912)	1:94:A:ILE:HG23	1:97:A:ARG:H	6	0.21
(1,1904)	1:57:B:LEU:HD11	1:57:B:LEU:H	6	0.21
(1,1904)	1:57:B:LEU:HD12	1:57:B:LEU:H	6	0.21
(1,1904)	1:57:B:LEU:HD13	1:57:B:LEU:H	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1859)	1:62:A:THR:HB	1:63:A:ALA:H	8	0.21
(1,1858)	1:62:B:THR:HB	1:63:B:ALA:H	8	0.21
(1,1858)	1:62:B:THR:HB	1:63:B:ALA:H	12	0.21
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD11	12	0.21
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD12	12	0.21
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD13	12	0.21
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD11	12	0.21
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD12	12	0.21
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD13	12	0.21
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD11	15	0.21
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD12	15	0.21
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD13	15	0.21
(1,1836)	1:65:B:ILE:HG21	1:51:B:VAL:HA	20	0.21
(1,1836)	1:65:B:ILE:HG22	1:51:B:VAL:HA	20	0.21
(1,1836)	1:65:B:ILE:HG23	1:51:B:VAL:HA	20	0.21
(1,1835)	1:65:A:ILE:HG21	1:51:A:VAL:HA	20	0.21
(1,1835)	1:65:A:ILE:HG22	1:51:A:VAL:HA	20	0.21
(1,1835)	1:65:A:ILE:HG23	1:51:A:VAL:HA	20	0.21
(1,1760)	1:92:A:LEU:HD21	1:89:A:GLY:HA2	19	0.21
(1,1760)	1:92:A:LEU:HD22	1:89:A:GLY:HA2	19	0.21
(1,1760)	1:92:A:LEU:HD23	1:89:A:GLY:HA2	19	0.21
(1,1759)	1:92:B:LEU:HD21	1:89:B:GLY:HA2	19	0.21
(1,1759)	1:92:B:LEU:HD22	1:89:B:GLY:HA2	19	0.21
(1,1759)	1:92:B:LEU:HD23	1:89:B:GLY:HA2	19	0.21
(1,1748)	1:88:A:ILE:HG21	1:86:A:LYS:H	7	0.21
(1,1748)	1:88:A:ILE:HG22	1:86:A:LYS:H	7	0.21
(1,1748)	1:88:A:ILE:HG23	1:86:A:LYS:H	7	0.21
(1,1747)	1:88:B:ILE:HG21	1:86:B:LYS:H	3	0.21
(1,1747)	1:88:B:ILE:HG22	1:86:B:LYS:H	3	0.21
(1,1747)	1:88:B:ILE:HG23	1:86:B:LYS:H	3	0.21
(1,1747)	1:88:B:ILE:HG21	1:86:B:LYS:H	7	0.21
(1,1747)	1:88:B:ILE:HG22	1:86:B:LYS:H	7	0.21
(1,1747)	1:88:B:ILE:HG23	1:86:B:LYS:H	7	0.21
(1,1747)	1:88:B:ILE:HG21	1:86:B:LYS:H	13	0.21
(1,1747)	1:88:B:ILE:HG22	1:86:B:LYS:H	13	0.21
(1,1747)	1:88:B:ILE:HG23	1:86:B:LYS:H	13	0.21
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	8	0.21
(1,1738)	1:45:A:LYS:HG3	1:45:A:LYS:HD2	18	0.21
(1,1709)	1:72:B:ILE:HD11	1:44:B:LEU:HD21	16	0.21
(1,1709)	1:72:B:ILE:HD11	1:44:B:LEU:HD22	16	0.21
(1,1709)	1:72:B:ILE:HD11	1:44:B:LEU:HD23	16	0.21
(1,1709)	1:72:B:ILE:HD12	1:44:B:LEU:HD21	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1709)	1:72:B:ILE:HD12	1:44:B:LEU:HD22	16	0.21
(1,1709)	1:72:B:ILE:HD12	1:44:B:LEU:HD23	16	0.21
(1,1709)	1:72:B:ILE:HD13	1:44:B:LEU:HD21	16	0.21
(1,1709)	1:72:B:ILE:HD13	1:44:B:LEU:HD22	16	0.21
(1,1709)	1:72:B:ILE:HD13	1:44:B:LEU:HD23	16	0.21
(1,1667)	1:78:B:ILE:HG21	1:92:A:LEU:HA	2	0.21
(1,1667)	1:78:B:ILE:HG22	1:92:A:LEU:HA	2	0.21
(1,1667)	1:78:B:ILE:HG23	1:92:A:LEU:HA	2	0.21
(1,1666)	1:95:A:LEU:HG	1:92:A:LEU:HA	6	0.21
(1,1665)	1:95:B:LEU:HG	1:92:B:LEU:HA	13	0.21
(1,1632)	1:52:A:ALA:H	1:48:A:MET:HA	17	0.21
(1,1631)	1:52:B:ALA:H	1:48:B:MET:HA	17	0.21
(1,1538)	1:51:B:VAL:HG21	1:65:B:ILE:HG21	4	0.21
(1,1538)	1:51:B:VAL:HG21	1:65:B:ILE:HG22	4	0.21
(1,1538)	1:51:B:VAL:HG21	1:65:B:ILE:HG23	4	0.21
(1,1538)	1:51:B:VAL:HG22	1:65:B:ILE:HG21	4	0.21
(1,1538)	1:51:B:VAL:HG22	1:65:B:ILE:HG22	4	0.21
(1,1538)	1:51:B:VAL:HG22	1:65:B:ILE:HG23	4	0.21
(1,1538)	1:51:B:VAL:HG23	1:65:B:ILE:HG21	4	0.21
(1,1538)	1:51:B:VAL:HG23	1:65:B:ILE:HG22	4	0.21
(1,1538)	1:51:B:VAL:HG23	1:65:B:ILE:HG23	4	0.21
(1,1537)	1:51:A:VAL:HG21	1:65:A:ILE:HG21	4	0.21
(1,1537)	1:51:A:VAL:HG21	1:65:A:ILE:HG22	4	0.21
(1,1537)	1:51:A:VAL:HG21	1:65:A:ILE:HG23	4	0.21
(1,1537)	1:51:A:VAL:HG22	1:65:A:ILE:HG21	4	0.21
(1,1537)	1:51:A:VAL:HG22	1:65:A:ILE:HG22	4	0.21
(1,1537)	1:51:A:VAL:HG22	1:65:A:ILE:HG23	4	0.21
(1,1537)	1:51:A:VAL:HG23	1:65:A:ILE:HG21	4	0.21
(1,1537)	1:51:A:VAL:HG23	1:65:A:ILE:HG22	4	0.21
(1,1537)	1:51:A:VAL:HG23	1:65:A:ILE:HG23	4	0.21
(1,1514)	1:57:B:LEU:HD21	1:57:B:LEU:H	1	0.21
(1,1514)	1:57:B:LEU:HD22	1:57:B:LEU:H	1	0.21
(1,1514)	1:57:B:LEU:HD23	1:57:B:LEU:H	1	0.21
(1,1514)	1:57:B:LEU:HD21	1:57:B:LEU:H	2	0.21
(1,1514)	1:57:B:LEU:HD22	1:57:B:LEU:H	2	0.21
(1,1514)	1:57:B:LEU:HD23	1:57:B:LEU:H	2	0.21
(1,1514)	1:57:B:LEU:HD21	1:57:B:LEU:H	9	0.21
(1,1514)	1:57:B:LEU:HD22	1:57:B:LEU:H	9	0.21
(1,1514)	1:57:B:LEU:HD23	1:57:B:LEU:H	9	0.21
(1,1514)	1:57:B:LEU:HD21	1:57:B:LEU:H	14	0.21
(1,1514)	1:57:B:LEU:HD22	1:57:B:LEU:H	14	0.21
(1,1514)	1:57:B:LEU:HD23	1:57:B:LEU:H	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1514)	1:57:B:LEU:HD21	1:57:B:LEU:H	17	0.21
(1,1514)	1:57:B:LEU:HD22	1:57:B:LEU:H	17	0.21
(1,1514)	1:57:B:LEU:HD23	1:57:B:LEU:H	17	0.21
(1,1447)	1:91:A:MET:HA	1:94:A:ILE:H	11	0.21
(1,1435)	1:57:B:LEU:HD11	1:57:B:LEU:H	13	0.21
(1,1435)	1:57:B:LEU:HD12	1:57:B:LEU:H	13	0.21
(1,1435)	1:57:B:LEU:HD13	1:57:B:LEU:H	13	0.21
(1,1434)	1:57:A:LEU:HD11	1:57:A:LEU:H	16	0.21
(1,1434)	1:57:A:LEU:HD12	1:57:A:LEU:H	16	0.21
(1,1434)	1:57:A:LEU:HD13	1:57:A:LEU:H	16	0.21
(1,1433)	1:57:A:LEU:HD11	1:57:A:LEU:H	16	0.21
(1,1433)	1:57:A:LEU:HD12	1:57:A:LEU:H	16	0.21
(1,1433)	1:57:A:LEU:HD13	1:57:A:LEU:H	16	0.21
(1,1404)	1:67:A:LYS:HD2	1:67:A:LYS:HE3	3	0.21
(1,1404)	1:67:A:LYS:HD2	1:67:A:LYS:HE3	13	0.21
(1,1404)	1:67:A:LYS:HD2	1:67:A:LYS:HE3	14	0.21
(1,1404)	1:67:A:LYS:HD3	1:67:A:LYS:HE2	16	0.21
(1,1404)	1:67:A:LYS:HD3	1:67:A:LYS:HE2	17	0.21
(1,1403)	1:67:B:LYS:HD2	1:67:B:LYS:HE3	3	0.21
(1,1403)	1:67:B:LYS:HD3	1:67:B:LYS:HE2	10	0.21
(1,1403)	1:67:B:LYS:HD2	1:67:B:LYS:HE3	13	0.21
(1,1403)	1:67:B:LYS:HD2	1:67:B:LYS:HE3	14	0.21
(1,1403)	1:67:B:LYS:HD3	1:67:B:LYS:HE2	17	0.21
(1,1350)	1:28:A:GLN:HA	1:31:A:LYS:H	16	0.21
(1,1265)	1:22:A:ARG:HG2	1:22:A:ARG:HA	10	0.21
(1,1264)	1:22:B:ARG:HG2	1:22:B:ARG:HA	10	0.21
(1,1263)	1:42:B:GLY:HA2	1:43:B:PRO:HD3	16	0.21
(1,1262)	1:42:A:GLY:HA2	1:43:A:PRO:HD3	12	0.21
(1,1262)	1:42:A:GLY:HA2	1:43:A:PRO:HD3	16	0.21
(1,1245)	1:62:A:THR:HB	1:64:A:GLY:H	12	0.21
(1,1244)	1:62:B:THR:HB	1:64:B:GLY:H	12	0.21
(1,1242)	1:88:B:ILE:HD11	1:48:A:MET:HG3	2	0.21
(1,1242)	1:88:B:ILE:HD12	1:48:A:MET:HG3	2	0.21
(1,1242)	1:88:B:ILE:HD13	1:48:A:MET:HG3	2	0.21
(1,1241)	1:88:A:ILE:HD11	1:48:B:MET:HG3	2	0.21
(1,1241)	1:88:A:ILE:HD12	1:48:B:MET:HG3	2	0.21
(1,1241)	1:88:A:ILE:HD13	1:48:B:MET:HG3	2	0.21
(1,1210)	1:92:A:LEU:HG	1:91:A:MET:HB2	6	0.21
(1,1199)	1:58:B:THR:HA	1:58:B:THR:H	1	0.21
(1,1199)	1:58:B:THR:HA	1:58:B:THR:H	5	0.21
(1,1199)	1:58:B:THR:HA	1:58:B:THR:H	11	0.21
(1,1199)	1:58:B:THR:HA	1:58:B:THR:H	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1199)	1:58:B:THR:HA	1:58:B:THR:H	16	0.21
(1,1198)	1:58:A:THR:HA	1:58:A:THR:H	1	0.21
(1,1198)	1:58:A:THR:HA	1:58:A:THR:H	15	0.21
(1,1198)	1:58:A:THR:HA	1:58:A:THR:H	16	0.21
(1,1194)	1:42:B:GLY:HA2	1:43:B:PRO:HG3	2	0.21
(1,1147)	1:25:B:THR:HG21	1:24:B:SER:HA	2	0.21
(1,1147)	1:25:B:THR:HG22	1:24:B:SER:HA	2	0.21
(1,1147)	1:25:B:THR:HG23	1:24:B:SER:HA	2	0.21
(1,1147)	1:25:B:THR:HG21	1:24:B:SER:HA	6	0.21
(1,1147)	1:25:B:THR:HG22	1:24:B:SER:HA	6	0.21
(1,1147)	1:25:B:THR:HG23	1:24:B:SER:HA	6	0.21
(1,1146)	1:25:A:THR:HG21	1:24:A:SER:HA	2	0.21
(1,1146)	1:25:A:THR:HG22	1:24:A:SER:HA	2	0.21
(1,1146)	1:25:A:THR:HG23	1:24:A:SER:HA	2	0.21
(1,1146)	1:25:A:THR:HG21	1:24:A:SER:HA	6	0.21
(1,1146)	1:25:A:THR:HG22	1:24:A:SER:HA	6	0.21
(1,1146)	1:25:A:THR:HG23	1:24:A:SER:HA	6	0.21
(1,1146)	1:25:A:THR:HG21	1:24:A:SER:HA	14	0.21
(1,1146)	1:25:A:THR:HG22	1:24:A:SER:HA	14	0.21
(1,1146)	1:25:A:THR:HG23	1:24:A:SER:HA	14	0.21
(1,1137)	1:77:B:ALA:HB1	1:74:B:LYS:HA	15	0.21
(1,1137)	1:77:B:ALA:HB2	1:74:B:LYS:HA	15	0.21
(1,1137)	1:77:B:ALA:HB3	1:74:B:LYS:HA	15	0.21
(1,1136)	1:77:A:ALA:HB1	1:74:A:LYS:HA	15	0.21
(1,1136)	1:77:A:ALA:HB2	1:74:A:LYS:HA	15	0.21
(1,1136)	1:77:A:ALA:HB3	1:74:A:LYS:HA	15	0.21
(1,1115)	1:92:B:LEU:HD21	1:82:A:ARG:H	5	0.21
(1,1115)	1:92:B:LEU:HD22	1:82:A:ARG:H	5	0.21
(1,1115)	1:92:B:LEU:HD23	1:82:A:ARG:H	5	0.21
(1,1114)	1:92:A:LEU:HD21	1:82:B:ARG:H	17	0.21
(1,1114)	1:92:A:LEU:HD22	1:82:B:ARG:H	17	0.21
(1,1114)	1:92:A:LEU:HD23	1:82:B:ARG:H	17	0.21
(1,1080)	1:45:B:LYS:HA	1:47:B:PHE:H	11	0.21
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG21	10	0.21
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG22	10	0.21
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG23	10	0.21
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG21	10	0.21
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG22	10	0.21
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG23	10	0.21
(1,917)	1:69:A:TRP:HZ2	1:95:B:LEU:HG	15	0.21
(1,916)	1:69:B:TRP:HZ2	1:95:A:LEU:HG	8	0.21
(1,854)	1:81:A:LEU:H	1:79:A:ASN:H	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,850)	1:95:B:LEU:H	1:93:B:ASN:HA	8	0.21
(1,850)	1:95:B:LEU:H	1:93:B:ASN:HA	14	0.21
(1,849)	1:95:A:LEU:H	1:93:A:ASN:HA	8	0.21
(1,849)	1:95:A:LEU:H	1:93:A:ASN:HA	14	0.21
(1,827)	1:22:A:ARG:HG3	1:27:A:GLN:HA	6	0.21
(1,823)	1:63:A:ALA:HA	1:67:A:LYS:HD3	12	0.21
(1,788)	1:57:B:LEU:HD21	1:49:A:ALA:H	17	0.21
(1,788)	1:57:B:LEU:HD22	1:49:A:ALA:H	17	0.21
(1,788)	1:57:B:LEU:HD23	1:49:A:ALA:H	17	0.21
(1,782)	1:21:A:ASN:HB3	1:23:A:VAL:H	4	0.21
(1,759)	1:22:A:ARG:HG3	1:22:A:ARG:H	4	0.21
(1,742)	1:77:B:ALA:H	1:80:B:VAL:H	11	0.21
(1,742)	1:77:B:ALA:H	1:80:B:VAL:H	14	0.21
(1,741)	1:77:A:ALA:H	1:80:A:VAL:H	11	0.21
(1,741)	1:77:A:ALA:H	1:80:A:VAL:H	14	0.21
(1,741)	1:77:A:ALA:H	1:80:A:VAL:H	19	0.21
(1,719)	1:44:A:LEU:HD11	1:73:A:LYS:H	17	0.21
(1,719)	1:44:A:LEU:HD12	1:73:A:LYS:H	17	0.21
(1,719)	1:44:A:LEU:HD13	1:73:A:LYS:H	17	0.21
(1,718)	1:44:B:LEU:HD11	1:73:B:LYS:H	17	0.21
(1,718)	1:44:B:LEU:HD12	1:73:B:LYS:H	17	0.21
(1,718)	1:44:B:LEU:HD13	1:73:B:LYS:H	17	0.21
(1,705)	1:79:A:ASN:H	1:79:A:ASN:HB2	17	0.21
(1,704)	1:79:B:ASN:H	1:79:B:ASN:HB2	17	0.21
(1,663)	1:62:A:THR:H	1:66:A:LEU:H	19	0.21
(1,516)	1:79:A:ASN:H	1:77:A:ALA:H	4	0.21
(1,515)	1:79:B:ASN:H	1:77:B:ALA:H	4	0.21
(1,515)	1:79:B:ASN:H	1:77:B:ALA:H	11	0.21
(1,482)	1:84:A:PHE:HD1	1:87:A:GLU:H	6	0.21
(1,482)	1:84:A:PHE:HD2	1:87:A:GLU:H	6	0.21
(1,481)	1:93:B:ASN:HD21	1:92:B:LEU:H	7	0.21
(1,276)	1:41:B:ARG:HB2	1:71:B:THR:HB	12	0.21
(1,275)	1:41:A:ARG:HB2	1:71:A:THR:HB	12	0.21
(1,218)	1:65:A:ILE:HD11	1:54:A:LEU:HG	14	0.21
(1,218)	1:65:A:ILE:HD12	1:54:A:LEU:HG	14	0.21
(1,218)	1:65:A:ILE:HD13	1:54:A:LEU:HG	14	0.21
(1,217)	1:65:B:ILE:HD11	1:54:B:LEU:HG	14	0.21
(1,217)	1:65:B:ILE:HD12	1:54:B:LEU:HG	14	0.21
(1,217)	1:65:B:ILE:HD13	1:54:B:LEU:HG	14	0.21
(1,192)	1:77:B:ALA:HB1	1:75:B:SER:H	4	0.21
(1,192)	1:77:B:ALA:HB2	1:75:B:SER:H	4	0.21
(1,192)	1:77:B:ALA:HB3	1:75:B:SER:H	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:77:A:ALA:HB1	1:75:A:SER:H	4	0.21
(1,191)	1:77:A:ALA:HB2	1:75:A:SER:H	4	0.21
(1,191)	1:77:A:ALA:HB3	1:75:A:SER:H	4	0.21
(1,178)	1:57:B:LEU:HD21	1:46:A:LEU:H	3	0.21
(1,178)	1:57:B:LEU:HD22	1:46:A:LEU:H	3	0.21
(1,178)	1:57:B:LEU:HD23	1:46:A:LEU:H	3	0.21
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD21	6	0.21
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD22	6	0.21
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD23	6	0.21
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD21	6	0.21
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD22	6	0.21
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD23	6	0.21
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD21	6	0.21
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD22	6	0.21
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD23	6	0.21
(1,94)	1:57:B:LEU:HD21	1:49:A:ALA:HA	18	0.21
(1,94)	1:57:B:LEU:HD22	1:49:A:ALA:HA	18	0.21
(1,94)	1:57:B:LEU:HD23	1:49:A:ALA:HA	18	0.21
(1,56)	1:49:A:ALA:HB1	1:56:B:PHE:HE1	17	0.21
(1,56)	1:49:A:ALA:HB1	1:56:B:PHE:HE2	17	0.21
(1,56)	1:49:A:ALA:HB2	1:56:B:PHE:HE1	17	0.21
(1,56)	1:49:A:ALA:HB2	1:56:B:PHE:HE2	17	0.21
(1,56)	1:49:A:ALA:HB3	1:56:B:PHE:HE1	17	0.21
(1,56)	1:49:A:ALA:HB3	1:56:B:PHE:HE2	17	0.21
(2,340)	1:77:A:ALA:H	1:76:A:LYS:HE2	13	0.2
(2,334)	1:24:B:SER:HB3	1:24:B:SER:H	14	0.2
(2,308)	1:76:A:LYS:HB3	1:76:A:LYS:HA	1	0.2
(2,308)	1:76:A:LYS:HB3	1:76:A:LYS:HA	2	0.2
(2,308)	1:76:A:LYS:HB3	1:76:A:LYS:HA	6	0.2
(2,217)	1:80:B:VAL:H	1:79:B:ASN:HD21	8	0.2
(2,164)	1:81:B:LEU:H	1:84:B:PHE:HB2	17	0.2
(2,61)	1:68:B:ARG:H	1:67:B:LYS:HB2	20	0.2
(1,3479)	1:87:A:GLU:HA	1:89:A:GLY:HA2	1	0.2
(1,3374)	1:94:B:ILE:HD11	1:66:A:LEU:HA	7	0.2
(1,3374)	1:94:B:ILE:HD12	1:66:A:LEU:HA	7	0.2
(1,3374)	1:94:B:ILE:HD13	1:66:A:LEU:HA	7	0.2
(1,3321)	1:88:B:ILE:HA	1:90:B:ARG:H	2	0.2
(1,3280)	1:88:B:ILE:HG12	1:52:A:ALA:HA	4	0.2
(1,3249)	1:76:B:LYS:HB3	1:76:B:LYS:HA	1	0.2
(1,3249)	1:76:B:LYS:HB3	1:76:B:LYS:HA	2	0.2
(1,3249)	1:76:B:LYS:HB3	1:76:B:LYS:HA	6	0.2
(1,3110)	1:47:A:PHE:HD1	1:44:A:LEU:HA	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3110)	1:47:A:PHE:HD2	1:44:A:LEU:HA	14	0.2
(1,3109)	1:47:B:PHE:HD1	1:44:B:LEU:HA	14	0.2
(1,3109)	1:47:B:PHE:HD2	1:44:B:LEU:HA	14	0.2
(1,2873)	1:88:A:ILE:HB	1:89:A:GLY:HA2	14	0.2
(1,2753)	1:57:A:LEU:HD11	1:49:B:ALA:HB1	3	0.2
(1,2753)	1:57:A:LEU:HD11	1:49:B:ALA:HB2	3	0.2
(1,2753)	1:57:A:LEU:HD11	1:49:B:ALA:HB3	3	0.2
(1,2753)	1:57:A:LEU:HD12	1:49:B:ALA:HB1	3	0.2
(1,2753)	1:57:A:LEU:HD12	1:49:B:ALA:HB2	3	0.2
(1,2753)	1:57:A:LEU:HD12	1:49:B:ALA:HB3	3	0.2
(1,2753)	1:57:A:LEU:HD13	1:49:B:ALA:HB1	3	0.2
(1,2753)	1:57:A:LEU:HD13	1:49:B:ALA:HB2	3	0.2
(1,2753)	1:57:A:LEU:HD13	1:49:B:ALA:HB3	3	0.2
(1,2736)	1:78:A:ILE:HA	1:77:A:ALA:H	3	0.2
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD1	4	0.2
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD2	4	0.2
(1,2688)	1:77:B:ALA:H	1:76:B:LYS:HE2	13	0.2
(1,2627)	1:45:B:LYS:HE3	1:56:A:PHE:HA	5	0.2
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG21	1	0.2
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG22	1	0.2
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG23	1	0.2
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG21	6	0.2
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG22	6	0.2
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG23	6	0.2
(1,2519)	1:38:A:LEU:HA	1:38:A:LEU:HD21	14	0.2
(1,2519)	1:38:A:LEU:HA	1:38:A:LEU:HD22	14	0.2
(1,2519)	1:38:A:LEU:HA	1:38:A:LEU:HD23	14	0.2
(1,2518)	1:38:B:LEU:HA	1:38:B:LEU:HD21	14	0.2
(1,2518)	1:38:B:LEU:HA	1:38:B:LEU:HD22	14	0.2
(1,2518)	1:38:B:LEU:HA	1:38:B:LEU:HD23	14	0.2
(1,2517)	1:80:A:VAL:HG21	1:84:A:PHE:H	4	0.2
(1,2517)	1:80:A:VAL:HG22	1:84:A:PHE:H	4	0.2
(1,2517)	1:80:A:VAL:HG23	1:84:A:PHE:H	4	0.2
(1,2517)	1:80:A:VAL:HG21	1:84:A:PHE:H	10	0.2
(1,2517)	1:80:A:VAL:HG22	1:84:A:PHE:H	10	0.2
(1,2517)	1:80:A:VAL:HG23	1:84:A:PHE:H	10	0.2
(1,2502)	1:100:A:ARG:H	1:99:A:ARG:HA	11	0.2
(1,2501)	1:100:B:ARG:H	1:99:B:ARG:HA	11	0.2
(1,2491)	1:23:B:VAL:HG11	1:24:B:SER:H	16	0.2
(1,2491)	1:23:B:VAL:HG12	1:24:B:SER:H	16	0.2
(1,2491)	1:23:B:VAL:HG13	1:24:B:SER:H	16	0.2
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD11	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD12	3	0.2
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD13	3	0.2
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD11	3	0.2
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD12	3	0.2
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD13	3	0.2
(1,2417)	1:62:B:THR:H	1:63:B:ALA:HA	15	0.2
(1,2416)	1:62:A:THR:H	1:63:A:ALA:HA	15	0.2
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB3	1	0.2
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB3	7	0.2
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB3	9	0.2
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB3	1	0.2
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB3	7	0.2
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB3	9	0.2
(1,2354)	1:27:A:GLN:HA	1:29:A:LEU:H	9	0.2
(1,2288)	1:24:A:SER:HB3	1:24:A:SER:H	14	0.2
(1,2246)	1:45:B:LYS:HA	1:45:B:LYS:HB3	12	0.2
(1,2246)	1:45:B:LYS:HA	1:45:B:LYS:HB3	14	0.2
(1,2245)	1:45:A:LYS:HA	1:45:A:LYS:HB3	5	0.2
(1,2245)	1:45:A:LYS:HA	1:45:A:LYS:HB3	12	0.2
(1,2245)	1:45:A:LYS:HA	1:45:A:LYS:HB3	14	0.2
(1,2245)	1:45:A:LYS:HA	1:45:A:LYS:HB3	15	0.2
(1,2206)	1:65:A:ILE:HD11	1:50:A:LEU:HD11	14	0.2
(1,2206)	1:65:A:ILE:HD11	1:50:A:LEU:HD12	14	0.2
(1,2206)	1:65:A:ILE:HD11	1:50:A:LEU:HD13	14	0.2
(1,2206)	1:65:A:ILE:HD12	1:50:A:LEU:HD11	14	0.2
(1,2206)	1:65:A:ILE:HD12	1:50:A:LEU:HD12	14	0.2
(1,2206)	1:65:A:ILE:HD12	1:50:A:LEU:HD13	14	0.2
(1,2206)	1:65:A:ILE:HD13	1:50:A:LEU:HD11	14	0.2
(1,2206)	1:65:A:ILE:HD13	1:50:A:LEU:HD12	14	0.2
(1,2206)	1:65:A:ILE:HD13	1:50:A:LEU:HD13	14	0.2
(1,2205)	1:65:B:ILE:HD11	1:50:B:LEU:HD11	14	0.2
(1,2205)	1:65:B:ILE:HD11	1:50:B:LEU:HD12	14	0.2
(1,2205)	1:65:B:ILE:HD11	1:50:B:LEU:HD13	14	0.2
(1,2205)	1:65:B:ILE:HD12	1:50:B:LEU:HD11	14	0.2
(1,2205)	1:65:B:ILE:HD12	1:50:B:LEU:HD12	14	0.2
(1,2205)	1:65:B:ILE:HD12	1:50:B:LEU:HD13	14	0.2
(1,2205)	1:65:B:ILE:HD13	1:50:B:LEU:HD11	14	0.2
(1,2205)	1:65:B:ILE:HD13	1:50:B:LEU:HD12	14	0.2
(1,2205)	1:65:B:ILE:HD13	1:50:B:LEU:HD13	14	0.2
(1,2092)	1:45:A:LYS:HE3	1:45:A:LYS:HB3	2	0.2
(1,2092)	1:45:A:LYS:HE3	1:45:A:LYS:HB3	3	0.2
(1,2092)	1:45:A:LYS:HE3	1:45:A:LYS:HB3	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2091)	1:45:B:LYS:HE3	1:45:B:LYS:HB3	2	0.2
(1,2086)	1:92:A:LEU:HG	1:93:A:ASN:H	1	0.2
(1,2086)	1:92:A:LEU:HG	1:93:A:ASN:H	8	0.2
(1,2085)	1:92:B:LEU:HG	1:93:B:ASN:H	1	0.2
(1,2085)	1:92:B:LEU:HG	1:93:B:ASN:H	8	0.2
(1,2083)	1:41:A:ARG:HB3	1:42:A:GLY:H	17	0.2
(1,2069)	1:68:A:ARG:H	1:68:A:ARG:HB2	12	0.2
(1,2064)	1:68:A:ARG:H	1:67:A:LYS:HB2	20	0.2
(1,2058)	1:49:B:ALA:H	1:52:B:ALA:H	14	0.2
(1,2057)	1:49:A:ALA:H	1:52:A:ALA:H	14	0.2
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE1	15	0.2
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE2	15	0.2
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE1	15	0.2
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE2	15	0.2
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD11	6	0.2
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD12	6	0.2
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD13	6	0.2
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD11	17	0.2
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD12	17	0.2
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD13	17	0.2
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD11	16	0.2
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD12	16	0.2
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD13	16	0.2
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD11	16	0.2
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD12	16	0.2
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD13	16	0.2
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD11	16	0.2
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD12	16	0.2
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD13	16	0.2
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD11	16	0.2
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD12	16	0.2
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD13	16	0.2
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD11	16	0.2
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD12	16	0.2
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD13	16	0.2
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD11	16	0.2
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD12	16	0.2
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD13	16	0.2
(1,1945)	1:98:A:ARG:H	1:98:A:ARG:HD3	8	0.2
(1,1944)	1:98:B:ARG:H	1:98:B:ARG:HD3	8	0.2
(1,1917)	1:49:B:ALA:HB1	1:57:A:LEU:HA	11	0.2
(1,1917)	1:49:B:ALA:HB2	1:57:A:LEU:HA	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1917)	1:49:B:ALA:HB3	1:57:A:LEU:HA	11	0.2
(1,1916)	1:94:A:ILE:HG21	1:69:B:TRP:HH2	13	0.2
(1,1916)	1:94:A:ILE:HG22	1:69:B:TRP:HH2	13	0.2
(1,1916)	1:94:A:ILE:HG23	1:69:B:TRP:HH2	13	0.2
(1,1915)	1:94:B:ILE:HG21	1:69:A:TRP:HH2	3	0.2
(1,1915)	1:94:B:ILE:HG22	1:69:A:TRP:HH2	3	0.2
(1,1915)	1:94:B:ILE:HG23	1:69:A:TRP:HH2	3	0.2
(1,1915)	1:94:B:ILE:HG21	1:69:A:TRP:HH2	13	0.2
(1,1915)	1:94:B:ILE:HG22	1:69:A:TRP:HH2	13	0.2
(1,1915)	1:94:B:ILE:HG23	1:69:A:TRP:HH2	13	0.2
(1,1911)	1:94:B:ILE:HG21	1:97:B:ARG:H	6	0.2
(1,1911)	1:94:B:ILE:HG22	1:97:B:ARG:H	6	0.2
(1,1911)	1:94:B:ILE:HG23	1:97:B:ARG:H	6	0.2
(1,1904)	1:57:B:LEU:HD11	1:57:B:LEU:H	14	0.2
(1,1904)	1:57:B:LEU:HD12	1:57:B:LEU:H	14	0.2
(1,1904)	1:57:B:LEU:HD13	1:57:B:LEU:H	14	0.2
(1,1903)	1:57:A:LEU:HD11	1:57:A:LEU:H	14	0.2
(1,1903)	1:57:A:LEU:HD12	1:57:A:LEU:H	14	0.2
(1,1903)	1:57:A:LEU:HD13	1:57:A:LEU:H	14	0.2
(1,1903)	1:57:A:LEU:HD11	1:57:A:LEU:H	17	0.2
(1,1903)	1:57:A:LEU:HD12	1:57:A:LEU:H	17	0.2
(1,1903)	1:57:A:LEU:HD13	1:57:A:LEU:H	17	0.2
(1,1867)	1:94:A:ILE:HG21	1:91:A:MET:HA	5	0.2
(1,1867)	1:94:A:ILE:HG22	1:91:A:MET:HA	5	0.2
(1,1867)	1:94:A:ILE:HG23	1:91:A:MET:HA	5	0.2
(1,1867)	1:94:A:ILE:HG21	1:91:A:MET:HA	19	0.2
(1,1867)	1:94:A:ILE:HG22	1:91:A:MET:HA	19	0.2
(1,1867)	1:94:A:ILE:HG23	1:91:A:MET:HA	19	0.2
(1,1866)	1:94:B:ILE:HG21	1:91:B:MET:HA	5	0.2
(1,1866)	1:94:B:ILE:HG22	1:91:B:MET:HA	5	0.2
(1,1866)	1:94:B:ILE:HG23	1:91:B:MET:HA	5	0.2
(1,1866)	1:94:B:ILE:HG21	1:91:B:MET:HA	19	0.2
(1,1866)	1:94:B:ILE:HG22	1:91:B:MET:HA	19	0.2
(1,1866)	1:94:B:ILE:HG23	1:91:B:MET:HA	19	0.2
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD11	15	0.2
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD12	15	0.2
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD13	15	0.2
(1,1816)	1:74:A:LYS:HA	1:77:A:ALA:H	10	0.2
(1,1815)	1:74:B:LYS:HA	1:77:B:ALA:H	10	0.2
(1,1814)	1:81:A:LEU:H	1:77:A:ALA:HA	1	0.2
(1,1813)	1:81:B:LEU:H	1:77:B:ALA:HA	1	0.2
(1,1782)	1:44:A:LEU:HA	1:47:A:PHE:HB2	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1781)	1:44:B:LEU:HA	1:47:B:PHE:HB2	13	0.2
(1,1748)	1:88:A:ILE:HG21	1:86:A:LYS:H	13	0.2
(1,1748)	1:88:A:ILE:HG22	1:86:A:LYS:H	13	0.2
(1,1748)	1:88:A:ILE:HG23	1:86:A:LYS:H	13	0.2
(1,1708)	1:72:A:ILE:HD11	1:44:A:LEU:HD21	16	0.2
(1,1708)	1:72:A:ILE:HD11	1:44:A:LEU:HD22	16	0.2
(1,1708)	1:72:A:ILE:HD11	1:44:A:LEU:HD23	16	0.2
(1,1708)	1:72:A:ILE:HD12	1:44:A:LEU:HD21	16	0.2
(1,1708)	1:72:A:ILE:HD12	1:44:A:LEU:HD22	16	0.2
(1,1708)	1:72:A:ILE:HD12	1:44:A:LEU:HD23	16	0.2
(1,1708)	1:72:A:ILE:HD13	1:44:A:LEU:HD21	16	0.2
(1,1708)	1:72:A:ILE:HD13	1:44:A:LEU:HD22	16	0.2
(1,1708)	1:72:A:ILE:HD13	1:44:A:LEU:HD23	16	0.2
(1,1702)	1:84:A:PHE:HA	1:87:A:GLU:H	5	0.2
(1,1701)	1:84:B:PHE:HA	1:87:B:GLU:H	5	0.2
(1,1698)	1:81:A:LEU:H	1:84:A:PHE:HB2	17	0.2
(1,1682)	1:80:A:VAL:H	1:79:A:ASN:HD21	8	0.2
(1,1665)	1:95:B:LEU:HG	1:92:B:LEU:HA	6	0.2
(1,1654)	1:45:A:LYS:HG2	1:43:A:PRO:HB2	10	0.2
(1,1653)	1:69:B:TRP:HA	1:67:B:LYS:H	2	0.2
(1,1653)	1:69:B:TRP:HA	1:67:B:LYS:H	7	0.2
(1,1652)	1:69:A:TRP:HA	1:67:A:LYS:H	2	0.2
(1,1652)	1:69:A:TRP:HA	1:67:A:LYS:H	7	0.2
(1,1626)	1:78:A:ILE:HG21	1:82:A:ARG:HD2	19	0.2
(1,1626)	1:78:A:ILE:HG22	1:82:A:ARG:HD2	19	0.2
(1,1626)	1:78:A:ILE:HG23	1:82:A:ARG:HD2	19	0.2
(1,1625)	1:78:B:ILE:HG21	1:82:B:ARG:HD2	19	0.2
(1,1625)	1:78:B:ILE:HG22	1:82:B:ARG:HD2	19	0.2
(1,1625)	1:78:B:ILE:HG23	1:82:B:ARG:HD2	19	0.2
(1,1514)	1:57:B:LEU:HD21	1:57:B:LEU:H	18	0.2
(1,1514)	1:57:B:LEU:HD22	1:57:B:LEU:H	18	0.2
(1,1514)	1:57:B:LEU:HD23	1:57:B:LEU:H	18	0.2
(1,1514)	1:57:B:LEU:HD21	1:57:B:LEU:H	20	0.2
(1,1514)	1:57:B:LEU:HD22	1:57:B:LEU:H	20	0.2
(1,1514)	1:57:B:LEU:HD23	1:57:B:LEU:H	20	0.2
(1,1448)	1:91:B:MET:HA	1:94:B:ILE:H	18	0.2
(1,1447)	1:91:A:MET:HA	1:94:A:ILE:H	18	0.2
(1,1435)	1:57:B:LEU:HD11	1:57:B:LEU:H	16	0.2
(1,1435)	1:57:B:LEU:HD12	1:57:B:LEU:H	16	0.2
(1,1435)	1:57:B:LEU:HD13	1:57:B:LEU:H	16	0.2
(1,1431)	1:59:A:ILE:H	1:58:A:THR:H	6	0.2
(1,1430)	1:59:B:ILE:H	1:58:B:THR:H	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:62:B:THR:HA	1:23:B:VAL:HG21	3	0.2
(1,1388)	1:62:B:THR:HA	1:23:B:VAL:HG22	3	0.2
(1,1388)	1:62:B:THR:HA	1:23:B:VAL:HG23	3	0.2
(1,1368)	1:93:A:ASN:HA	1:96:A:ASN:H	1	0.2
(1,1367)	1:93:B:ASN:HA	1:96:B:ASN:H	1	0.2
(1,1325)	1:88:A:ILE:HG21	1:90:A:ARG:H	12	0.2
(1,1325)	1:88:A:ILE:HG22	1:90:A:ARG:H	12	0.2
(1,1325)	1:88:A:ILE:HG23	1:90:A:ARG:H	12	0.2
(1,1324)	1:88:B:ILE:HG21	1:90:B:ARG:H	12	0.2
(1,1324)	1:88:B:ILE:HG22	1:90:B:ARG:H	12	0.2
(1,1324)	1:88:B:ILE:HG23	1:90:B:ARG:H	12	0.2
(1,1310)	1:95:A:LEU:HD21	1:69:B:TRP:HH2	14	0.2
(1,1310)	1:95:A:LEU:HD22	1:69:B:TRP:HH2	14	0.2
(1,1310)	1:95:A:LEU:HD23	1:69:B:TRP:HH2	14	0.2
(1,1309)	1:95:B:LEU:HD21	1:69:A:TRP:HH2	18	0.2
(1,1309)	1:95:B:LEU:HD22	1:69:A:TRP:HH2	18	0.2
(1,1309)	1:95:B:LEU:HD23	1:69:A:TRP:HH2	18	0.2
(1,1309)	1:95:B:LEU:HD21	1:69:A:TRP:HH2	20	0.2
(1,1309)	1:95:B:LEU:HD22	1:69:A:TRP:HH2	20	0.2
(1,1309)	1:95:B:LEU:HD23	1:69:A:TRP:HH2	20	0.2
(1,1308)	1:80:A:VAL:HG11	1:45:A:LYS:HA	12	0.2
(1,1308)	1:80:A:VAL:HG12	1:45:A:LYS:HA	12	0.2
(1,1308)	1:80:A:VAL:HG13	1:45:A:LYS:HA	12	0.2
(1,1307)	1:80:B:VAL:HG11	1:45:B:LYS:HA	12	0.2
(1,1307)	1:80:B:VAL:HG12	1:45:B:LYS:HA	12	0.2
(1,1307)	1:80:B:VAL:HG13	1:45:B:LYS:HA	12	0.2
(1,1288)	1:77:A:ALA:H	1:76:A:LYS:H	9	0.2
(1,1287)	1:77:B:ALA:H	1:76:B:LYS:H	9	0.2
(1,1263)	1:42:B:GLY:HA2	1:43:B:PRO:HD3	7	0.2
(1,1263)	1:42:B:GLY:HA2	1:43:B:PRO:HD3	12	0.2
(1,1236)	1:25:B:THR:HG21	1:28:B:GLN:HE22	2	0.2
(1,1236)	1:25:B:THR:HG22	1:28:B:GLN:HE22	2	0.2
(1,1236)	1:25:B:THR:HG23	1:28:B:GLN:HE22	2	0.2
(1,1235)	1:25:A:THR:HG21	1:28:A:GLN:HE22	2	0.2
(1,1235)	1:25:A:THR:HG22	1:28:A:GLN:HE22	2	0.2
(1,1235)	1:25:A:THR:HG23	1:28:A:GLN:HE22	2	0.2
(1,1199)	1:58:B:THR:HA	1:58:B:THR:H	8	0.2
(1,1198)	1:58:A:THR:HA	1:58:A:THR:H	8	0.2
(1,1198)	1:58:A:THR:HA	1:58:A:THR:H	11	0.2
(1,1195)	1:42:A:GLY:HA2	1:43:A:PRO:HG3	2	0.2
(1,1175)	1:94:A:ILE:HA	1:97:A:ARG:H	9	0.2
(1,1175)	1:94:A:ILE:HA	1:97:A:ARG:H	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1174)	1:94:B:ILE:HA	1:97:B:ARG:H	9	0.2
(1,1174)	1:94:B:ILE:HA	1:97:B:ARG:H	19	0.2
(1,1149)	1:41:A:ARG:HB2	1:42:A:GLY:H	11	0.2
(1,1131)	1:50:B:LEU:HD11	1:50:B:LEU:HA	9	0.2
(1,1131)	1:50:B:LEU:HD12	1:50:B:LEU:HA	9	0.2
(1,1131)	1:50:B:LEU:HD13	1:50:B:LEU:HA	9	0.2
(1,1130)	1:50:A:LEU:HD11	1:50:A:LEU:HA	9	0.2
(1,1130)	1:50:A:LEU:HD12	1:50:A:LEU:HA	9	0.2
(1,1130)	1:50:A:LEU:HD13	1:50:A:LEU:HA	9	0.2
(1,1081)	1:45:A:LYS:HA	1:47:A:PHE:H	1	0.2
(1,1071)	1:22:B:ARG:HG3	1:30:B:THR:HB	13	0.2
(1,1061)	1:81:A:LEU:H	1:81:A:LEU:HD21	17	0.2
(1,1061)	1:81:A:LEU:H	1:81:A:LEU:HD22	17	0.2
(1,1061)	1:81:A:LEU:H	1:81:A:LEU:HD23	17	0.2
(1,1051)	1:70:B:GLY:H	1:69:B:TRP:HE3	16	0.2
(1,1050)	1:70:A:GLY:H	1:69:A:TRP:HE3	16	0.2
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG21	4	0.2
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG22	4	0.2
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG23	4	0.2
(1,1032)	1:71:A:THR:H	1:69:A:TRP:H	10	0.2
(1,894)	1:25:A:THR:HG21	1:25:A:THR:H	8	0.2
(1,894)	1:25:A:THR:HG22	1:25:A:THR:H	8	0.2
(1,894)	1:25:A:THR:HG23	1:25:A:THR:H	8	0.2
(1,894)	1:25:A:THR:HG21	1:25:A:THR:H	11	0.2
(1,894)	1:25:A:THR:HG22	1:25:A:THR:H	11	0.2
(1,894)	1:25:A:THR:HG23	1:25:A:THR:H	11	0.2
(1,894)	1:25:A:THR:HG21	1:25:A:THR:H	17	0.2
(1,894)	1:25:A:THR:HG22	1:25:A:THR:H	17	0.2
(1,894)	1:25:A:THR:HG23	1:25:A:THR:H	17	0.2
(1,893)	1:25:B:THR:HG21	1:25:B:THR:H	8	0.2
(1,893)	1:25:B:THR:HG22	1:25:B:THR:H	8	0.2
(1,893)	1:25:B:THR:HG23	1:25:B:THR:H	8	0.2
(1,893)	1:25:B:THR:HG21	1:25:B:THR:H	11	0.2
(1,893)	1:25:B:THR:HG22	1:25:B:THR:H	11	0.2
(1,893)	1:25:B:THR:HG23	1:25:B:THR:H	11	0.2
(1,893)	1:25:B:THR:HG21	1:25:B:THR:H	17	0.2
(1,893)	1:25:B:THR:HG22	1:25:B:THR:H	17	0.2
(1,893)	1:25:B:THR:HG23	1:25:B:THR:H	17	0.2
(1,853)	1:81:B:LEU:H	1:79:B:ASN:H	5	0.2
(1,850)	1:95:B:LEU:H	1:93:B:ASN:HA	18	0.2
(1,849)	1:95:A:LEU:H	1:93:A:ASN:HA	18	0.2
(1,742)	1:77:B:ALA:H	1:80:B:VAL:H	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,705)	1:79:A:ASN:H	1:79:A:ASN:HB3	4	0.2
(1,705)	1:79:A:ASN:H	1:79:A:ASN:HB3	14	0.2
(1,630)	1:31:A:LYS:H	1:30:A:THR:HB	20	0.2
(1,629)	1:31:B:LYS:H	1:30:B:THR:HB	20	0.2
(1,558)	1:65:B:ILE:HD11	1:51:B:VAL:HA	6	0.2
(1,558)	1:65:B:ILE:HD12	1:51:B:VAL:HA	6	0.2
(1,558)	1:65:B:ILE:HD13	1:51:B:VAL:HA	6	0.2
(1,533)	1:92:A:LEU:HD11	1:82:B:ARG:HA	1	0.2
(1,533)	1:92:A:LEU:HD12	1:82:B:ARG:HA	1	0.2
(1,533)	1:92:A:LEU:HD13	1:82:B:ARG:HA	1	0.2
(1,533)	1:92:A:LEU:HD11	1:82:B:ARG:HA	2	0.2
(1,533)	1:92:A:LEU:HD12	1:82:B:ARG:HA	2	0.2
(1,533)	1:92:A:LEU:HD13	1:82:B:ARG:HA	2	0.2
(1,516)	1:79:A:ASN:H	1:77:A:ALA:H	11	0.2
(1,516)	1:79:A:ASN:H	1:77:A:ALA:H	16	0.2
(1,515)	1:79:B:ASN:H	1:77:B:ALA:H	16	0.2
(1,483)	1:84:B:PHE:HD1	1:87:B:GLU:H	6	0.2
(1,483)	1:84:B:PHE:HD2	1:87:B:GLU:H	6	0.2
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB1	14	0.2
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB2	14	0.2
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB3	14	0.2
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB1	14	0.2
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB2	14	0.2
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB3	14	0.2
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB1	14	0.2
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB2	14	0.2
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB3	14	0.2
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB1	14	0.2
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB2	14	0.2
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB3	14	0.2
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB1	14	0.2
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB2	14	0.2
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB3	14	0.2
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB1	14	0.2
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB2	14	0.2
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB3	14	0.2
(1,422)	1:69:B:TRP:H	1:68:B:ARG:HA	10	0.2
(1,407)	1:80:A:VAL:HG21	1:45:A:LYS:HA	1	0.2
(1,407)	1:80:A:VAL:HG22	1:45:A:LYS:HA	1	0.2
(1,407)	1:80:A:VAL:HG23	1:45:A:LYS:HA	1	0.2
(1,407)	1:80:A:VAL:HG21	1:45:A:LYS:HA	16	0.2
(1,407)	1:80:A:VAL:HG22	1:45:A:LYS:HA	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,407)	1:80:A:VAL:HG23	1:45:A:LYS:HA	16	0.2
(1,332)	1:62:B:THR:HG21	1:64:B:GLY:HA2	4	0.2
(1,332)	1:62:B:THR:HG22	1:64:B:GLY:HA2	4	0.2
(1,332)	1:62:B:THR:HG23	1:64:B:GLY:HA2	4	0.2
(1,281)	1:27:A:GLN:H	1:24:A:SER:HB2	7	0.2
(1,257)	1:94:B:ILE:HD11	1:87:B:GLU:HA	5	0.2
(1,257)	1:94:B:ILE:HD12	1:87:B:GLU:HA	5	0.2
(1,257)	1:94:B:ILE:HD13	1:87:B:GLU:HA	5	0.2
(1,126)	1:69:A:TRP:HZ2	1:94:B:ILE:H	11	0.2
(1,94)	1:57:B:LEU:HD21	1:49:A:ALA:HA	20	0.2
(1,94)	1:57:B:LEU:HD22	1:49:A:ALA:HA	20	0.2
(1,94)	1:57:B:LEU:HD23	1:49:A:ALA:HA	20	0.2
(1,86)	1:69:B:TRP:HH2	1:91:A:MET:HA	1	0.2
(1,57)	1:49:B:ALA:HB1	1:56:A:PHE:HE1	9	0.2
(1,57)	1:49:B:ALA:HB1	1:56:A:PHE:HE2	9	0.2
(1,57)	1:49:B:ALA:HB2	1:56:A:PHE:HE1	9	0.2
(1,57)	1:49:B:ALA:HB2	1:56:A:PHE:HE2	9	0.2
(1,57)	1:49:B:ALA:HB3	1:56:A:PHE:HE1	9	0.2
(1,57)	1:49:B:ALA:HB3	1:56:A:PHE:HE2	9	0.2
(2,334)	1:24:B:SER:HB3	1:24:B:SER:H	3	0.19
(2,308)	1:76:A:LYS:HB3	1:76:A:LYS:HA	10	0.19
(2,297)	1:49:B:ALA:HB1	1:56:A:PHE:HB3	15	0.19
(2,297)	1:49:B:ALA:HB2	1:56:A:PHE:HB3	15	0.19
(2,297)	1:49:B:ALA:HB3	1:56:A:PHE:HB3	15	0.19
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG3	12	0.19
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG3	12	0.19
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG3	12	0.19
(2,164)	1:81:B:LEU:H	1:84:B:PHE:HB2	3	0.19
(2,138)	1:77:A:ALA:H	1:76:A:LYS:HE3	4	0.19
(2,99)	1:41:B:ARG:HD3	1:41:B:ARG:HA	8	0.19
(2,85)	1:24:A:SER:HB3	1:60:A:PRO:HG2	6	0.19
(2,82)	1:68:B:ARG:H	1:68:B:ARG:HB2	12	0.19
(2,63)	1:60:B:PRO:HA	1:60:B:PRO:HD3	7	0.19
(1,3486)	1:57:B:LEU:HD11	1:45:A:LYS:H	1	0.19
(1,3486)	1:57:B:LEU:HD12	1:45:A:LYS:H	1	0.19
(1,3486)	1:57:B:LEU:HD13	1:45:A:LYS:H	1	0.19
(1,3404)	1:29:B:LEU:H	1:30:B:THR:HA	2	0.19
(1,3404)	1:29:B:LEU:H	1:30:B:THR:HA	14	0.19
(1,3403)	1:29:A:LEU:H	1:30:A:THR:HA	2	0.19
(1,3403)	1:29:A:LEU:H	1:30:A:THR:HA	14	0.19
(1,3386)	1:77:A:ALA:HB1	1:95:B:LEU:HB2	2	0.19
(1,3386)	1:77:A:ALA:HB2	1:95:B:LEU:HB2	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3386)	1:77:A:ALA:HB3	1:95:B:LEU:HB2	2	0.19
(1,3375)	1:94:A:ILE:HD11	1:66:B:LEU:HA	7	0.19
(1,3375)	1:94:A:ILE:HD12	1:66:B:LEU:HA	7	0.19
(1,3375)	1:94:A:ILE:HD13	1:66:B:LEU:HA	7	0.19
(1,3334)	1:97:A:ARG:HA	1:94:A:ILE:HA	17	0.19
(1,3333)	1:97:B:ARG:HA	1:94:B:ILE:HA	17	0.19
(1,3321)	1:88:B:ILE:HA	1:90:B:ARG:H	7	0.19
(1,3321)	1:88:B:ILE:HA	1:90:B:ARG:H	8	0.19
(1,3320)	1:88:A:ILE:HA	1:90:A:ARG:H	7	0.19
(1,3320)	1:88:A:ILE:HA	1:90:A:ARG:H	8	0.19
(1,3320)	1:88:A:ILE:HA	1:90:A:ARG:H	11	0.19
(1,3319)	1:71:A:THR:HG21	1:44:A:LEU:HA	20	0.19
(1,3319)	1:71:A:THR:HG22	1:44:A:LEU:HA	20	0.19
(1,3319)	1:71:A:THR:HG23	1:44:A:LEU:HA	20	0.19
(1,3279)	1:88:A:ILE:HG12	1:52:B:ALA:HA	4	0.19
(1,3270)	1:44:A:LEU:H	1:47:A:PHE:HB2	10	0.19
(1,3269)	1:44:B:LEU:H	1:47:B:PHE:HB2	10	0.19
(1,3249)	1:76:B:LYS:HB3	1:76:B:LYS:HA	10	0.19
(1,3248)	1:26:A:VAL:HG21	1:27:A:GLN:HG3	16	0.19
(1,3248)	1:26:A:VAL:HG22	1:27:A:GLN:HG3	16	0.19
(1,3248)	1:26:A:VAL:HG23	1:27:A:GLN:HG3	16	0.19
(1,3215)	1:50:A:LEU:HD21	1:54:A:LEU:H	19	0.19
(1,3215)	1:50:A:LEU:HD22	1:54:A:LEU:H	19	0.19
(1,3215)	1:50:A:LEU:HD23	1:54:A:LEU:H	19	0.19
(1,3177)	1:49:A:ALA:HB1	1:45:A:LYS:HB3	10	0.19
(1,3177)	1:49:A:ALA:HB2	1:45:A:LYS:HB3	10	0.19
(1,3177)	1:49:A:ALA:HB3	1:45:A:LYS:HB3	10	0.19
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG21	15	0.19
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG22	15	0.19
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG23	15	0.19
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG21	15	0.19
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG22	15	0.19
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG23	15	0.19
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG21	15	0.19
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG22	15	0.19
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG23	15	0.19
(1,3110)	1:47:A:PHE:HD1	1:44:A:LEU:HA	13	0.19
(1,3110)	1:47:A:PHE:HD2	1:44:A:LEU:HA	13	0.19
(1,3109)	1:47:B:PHE:HD1	1:44:B:LEU:HA	13	0.19
(1,3109)	1:47:B:PHE:HD2	1:44:B:LEU:HA	13	0.19
(1,3097)	1:65:B:ILE:HD11	1:25:B:THR:HB	12	0.19
(1,3097)	1:65:B:ILE:HD12	1:25:B:THR:HB	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3097)	1:65:B:ILE:HD13	1:25:B:THR:HB	12	0.19
(1,3004)	1:22:B:ARG:HB3	1:23:B:VAL:HG11	3	0.19
(1,3004)	1:22:B:ARG:HB3	1:23:B:VAL:HG12	3	0.19
(1,3004)	1:22:B:ARG:HB3	1:23:B:VAL:HG13	3	0.19
(1,2973)	1:62:B:THR:HG21	1:23:B:VAL:HG21	5	0.19
(1,2973)	1:62:B:THR:HG21	1:23:B:VAL:HG22	5	0.19
(1,2973)	1:62:B:THR:HG21	1:23:B:VAL:HG23	5	0.19
(1,2973)	1:62:B:THR:HG22	1:23:B:VAL:HG21	5	0.19
(1,2973)	1:62:B:THR:HG22	1:23:B:VAL:HG22	5	0.19
(1,2973)	1:62:B:THR:HG22	1:23:B:VAL:HG23	5	0.19
(1,2973)	1:62:B:THR:HG23	1:23:B:VAL:HG21	5	0.19
(1,2973)	1:62:B:THR:HG23	1:23:B:VAL:HG22	5	0.19
(1,2973)	1:62:B:THR:HG23	1:23:B:VAL:HG23	5	0.19
(1,2973)	1:62:B:THR:HG21	1:23:B:VAL:HG21	17	0.19
(1,2973)	1:62:B:THR:HG21	1:23:B:VAL:HG22	17	0.19
(1,2973)	1:62:B:THR:HG21	1:23:B:VAL:HG23	17	0.19
(1,2973)	1:62:B:THR:HG22	1:23:B:VAL:HG21	17	0.19
(1,2973)	1:62:B:THR:HG22	1:23:B:VAL:HG22	17	0.19
(1,2973)	1:62:B:THR:HG22	1:23:B:VAL:HG23	17	0.19
(1,2973)	1:62:B:THR:HG23	1:23:B:VAL:HG21	17	0.19
(1,2973)	1:62:B:THR:HG23	1:23:B:VAL:HG22	17	0.19
(1,2973)	1:62:B:THR:HG23	1:23:B:VAL:HG23	17	0.19
(1,2951)	1:80:A:VAL:HA	1:79:A:ASN:HB3	19	0.19
(1,2950)	1:80:B:VAL:HA	1:79:B:ASN:HB3	19	0.19
(1,2949)	1:51:A:VAL:HA	1:54:A:LEU:H	20	0.19
(1,2948)	1:51:B:VAL:HA	1:54:B:LEU:H	20	0.19
(1,2874)	1:88:B:ILE:HB	1:89:B:GLY:HA2	3	0.19
(1,2874)	1:88:B:ILE:HB	1:89:B:GLY:HA2	14	0.19
(1,2873)	1:88:A:ILE:HB	1:89:A:GLY:HA2	3	0.19
(1,2873)	1:88:A:ILE:HB	1:89:A:GLY:HA2	13	0.19
(1,2847)	1:89:A:GLY:H	1:86:A:LYS:HA	7	0.19
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD11	5	0.19
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD12	5	0.19
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD13	5	0.19
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD11	5	0.19
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD12	5	0.19
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD13	5	0.19
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD11	5	0.19
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD12	5	0.19
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD13	5	0.19
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD11	15	0.19
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD12	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD13	15	0.19
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD11	15	0.19
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD12	15	0.19
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD13	15	0.19
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD11	15	0.19
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD12	15	0.19
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD13	15	0.19
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD11	10	0.19
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD12	10	0.19
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD13	10	0.19
(1,2753)	1:57:A:LEU:HD11	1:49:B:ALA:HB1	8	0.19
(1,2753)	1:57:A:LEU:HD11	1:49:B:ALA:HB2	8	0.19
(1,2753)	1:57:A:LEU:HD11	1:49:B:ALA:HB3	8	0.19
(1,2753)	1:57:A:LEU:HD12	1:49:B:ALA:HB1	8	0.19
(1,2753)	1:57:A:LEU:HD12	1:49:B:ALA:HB2	8	0.19
(1,2753)	1:57:A:LEU:HD12	1:49:B:ALA:HB3	8	0.19
(1,2753)	1:57:A:LEU:HD13	1:49:B:ALA:HB1	8	0.19
(1,2753)	1:57:A:LEU:HD13	1:49:B:ALA:HB2	8	0.19
(1,2753)	1:57:A:LEU:HD13	1:49:B:ALA:HB3	8	0.19
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB1	14	0.19
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB2	14	0.19
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB3	14	0.19
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB1	14	0.19
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB2	14	0.19
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB3	14	0.19
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB1	14	0.19
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB2	14	0.19
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB3	14	0.19
(1,2737)	1:78:B:ILE:HA	1:77:B:ALA:H	3	0.19
(1,2737)	1:78:B:ILE:HA	1:77:B:ALA:H	10	0.19
(1,2736)	1:78:A:ILE:HA	1:77:A:ALA:H	10	0.19
(1,2726)	1:80:A:VAL:HG21	1:45:A:LYS:HB3	5	0.19
(1,2726)	1:80:A:VAL:HG22	1:45:A:LYS:HB3	5	0.19
(1,2726)	1:80:A:VAL:HG23	1:45:A:LYS:HB3	5	0.19
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD1	4	0.19
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD2	4	0.19
(1,2681)	1:95:B:LEU:HB2	1:74:A:LYS:HD2	5	0.19
(1,2680)	1:95:A:LEU:HB2	1:74:B:LYS:HD2	5	0.19
(1,2644)	1:78:B:ILE:HD11	1:96:A:ASN:HD21	3	0.19
(1,2644)	1:78:B:ILE:HD12	1:96:A:ASN:HD21	3	0.19
(1,2644)	1:78:B:ILE:HD13	1:96:A:ASN:HD21	3	0.19
(1,2627)	1:45:B:LYS:HE3	1:56:A:PHE:HA	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2619)	1:87:B:GLU:H	1:90:B:ARG:HD2	2	0.19
(1,2618)	1:87:A:GLU:H	1:90:A:ARG:HD2	2	0.19
(1,2604)	1:82:A:ARG:HA	1:85:A:ARG:HD3	1	0.19
(1,2603)	1:82:B:ARG:HA	1:85:B:ARG:HD3	1	0.19
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG21	1	0.19
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG22	1	0.19
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG23	1	0.19
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG21	3	0.19
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG22	3	0.19
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG23	3	0.19
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG21	6	0.19
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG22	6	0.19
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG23	6	0.19
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG21	14	0.19
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG22	14	0.19
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG23	14	0.19
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG21	3	0.19
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG22	3	0.19
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG23	3	0.19
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG21	14	0.19
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG22	14	0.19
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG23	14	0.19
(1,2558)	1:94:A:ILE:HA	1:98:A:ARG:HG2	13	0.19
(1,2531)	1:74:B:LYS:HA	1:95:A:LEU:HG	9	0.19
(1,2522)	1:74:A:LYS:HG2	1:98:B:ARG:HG3	17	0.19
(1,2517)	1:80:A:VAL:HG21	1:84:A:PHE:H	19	0.19
(1,2517)	1:80:A:VAL:HG22	1:84:A:PHE:H	19	0.19
(1,2517)	1:80:A:VAL:HG23	1:84:A:PHE:H	19	0.19
(1,2491)	1:23:B:VAL:HG11	1:24:B:SER:H	9	0.19
(1,2491)	1:23:B:VAL:HG12	1:24:B:SER:H	9	0.19
(1,2491)	1:23:B:VAL:HG13	1:24:B:SER:H	9	0.19
(1,2417)	1:62:B:THR:H	1:63:B:ALA:HA	18	0.19
(1,2416)	1:62:A:THR:H	1:63:A:ALA:HA	8	0.19
(1,2416)	1:62:A:THR:H	1:63:A:ALA:HA	18	0.19
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG11	13	0.19
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG12	13	0.19
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG13	13	0.19
(1,2327)	1:64:A:GLY:HA3	1:67:A:LYS:H	20	0.19
(1,2324)	1:78:A:ILE:HA	1:92:B:LEU:HA	2	0.19
(1,2296)	1:72:A:ILE:HB	1:73:A:LYS:H	19	0.19
(1,2295)	1:72:B:ILE:HB	1:73:B:LYS:H	19	0.19
(1,2246)	1:45:B:LYS:HA	1:45:B:LYS:HB3	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2246)	1:45:B:LYS:HA	1:45:B:LYS:HB3	6	0.19
(1,2246)	1:45:B:LYS:HA	1:45:B:LYS:HB3	15	0.19
(1,2245)	1:45:A:LYS:HA	1:45:A:LYS:HB3	6	0.19
(1,2242)	1:91:B:MET:HB2	1:93:B:ASN:H	1	0.19
(1,2242)	1:91:B:MET:HB2	1:93:B:ASN:H	2	0.19
(1,2242)	1:91:B:MET:HB2	1:93:B:ASN:H	5	0.19
(1,2241)	1:91:A:MET:HB2	1:93:A:ASN:H	1	0.19
(1,2241)	1:91:A:MET:HB2	1:93:A:ASN:H	5	0.19
(1,2206)	1:65:A:ILE:HD11	1:50:A:LEU:HD11	4	0.19
(1,2206)	1:65:A:ILE:HD11	1:50:A:LEU:HD12	4	0.19
(1,2206)	1:65:A:ILE:HD11	1:50:A:LEU:HD13	4	0.19
(1,2206)	1:65:A:ILE:HD12	1:50:A:LEU:HD11	4	0.19
(1,2206)	1:65:A:ILE:HD12	1:50:A:LEU:HD12	4	0.19
(1,2206)	1:65:A:ILE:HD12	1:50:A:LEU:HD13	4	0.19
(1,2206)	1:65:A:ILE:HD13	1:50:A:LEU:HD11	4	0.19
(1,2206)	1:65:A:ILE:HD13	1:50:A:LEU:HD12	4	0.19
(1,2206)	1:65:A:ILE:HD13	1:50:A:LEU:HD13	4	0.19
(1,2205)	1:65:B:ILE:HD11	1:50:B:LEU:HD11	4	0.19
(1,2205)	1:65:B:ILE:HD11	1:50:B:LEU:HD12	4	0.19
(1,2205)	1:65:B:ILE:HD11	1:50:B:LEU:HD13	4	0.19
(1,2205)	1:65:B:ILE:HD12	1:50:B:LEU:HD11	4	0.19
(1,2205)	1:65:B:ILE:HD12	1:50:B:LEU:HD12	4	0.19
(1,2205)	1:65:B:ILE:HD12	1:50:B:LEU:HD13	4	0.19
(1,2205)	1:65:B:ILE:HD13	1:50:B:LEU:HD11	4	0.19
(1,2205)	1:65:B:ILE:HD13	1:50:B:LEU:HD12	4	0.19
(1,2205)	1:65:B:ILE:HD13	1:50:B:LEU:HD13	4	0.19
(1,2149)	1:79:B:ASN:H	1:76:B:LYS:HA	6	0.19
(1,2149)	1:79:B:ASN:H	1:76:B:LYS:HA	10	0.19
(1,2148)	1:79:A:ASN:H	1:76:A:LYS:HA	6	0.19
(1,2148)	1:79:A:ASN:H	1:76:A:LYS:HA	10	0.19
(1,2096)	1:23:B:VAL:HG11	1:24:B:SER:H	9	0.19
(1,2096)	1:23:B:VAL:HG12	1:24:B:SER:H	9	0.19
(1,2096)	1:23:B:VAL:HG13	1:24:B:SER:H	9	0.19
(1,2091)	1:45:B:LYS:HE3	1:45:B:LYS:HB3	3	0.19
(1,2084)	1:41:B:ARG:HB3	1:42:B:GLY:H	17	0.19
(1,2058)	1:49:B:ALA:H	1:52:B:ALA:H	4	0.19
(1,2058)	1:49:B:ALA:H	1:52:B:ALA:H	12	0.19
(1,2057)	1:49:A:ALA:H	1:52:A:ALA:H	4	0.19
(1,2045)	1:67:A:LYS:HB3	1:67:A:LYS:H	13	0.19
(1,2044)	1:67:B:LYS:HB3	1:67:B:LYS:H	13	0.19
(1,1933)	1:24:B:SER:HB3	1:60:B:PRO:HG2	6	0.19
(1,1904)	1:57:B:LEU:HD11	1:57:B:LEU:H	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1904)	1:57:B:LEU:HD12	1:57:B:LEU:H	2	0.19
(1,1904)	1:57:B:LEU:HD13	1:57:B:LEU:H	2	0.19
(1,1904)	1:57:B:LEU:HD11	1:57:B:LEU:H	12	0.19
(1,1904)	1:57:B:LEU:HD12	1:57:B:LEU:H	12	0.19
(1,1904)	1:57:B:LEU:HD13	1:57:B:LEU:H	12	0.19
(1,1904)	1:57:B:LEU:HD11	1:57:B:LEU:H	17	0.19
(1,1904)	1:57:B:LEU:HD12	1:57:B:LEU:H	17	0.19
(1,1904)	1:57:B:LEU:HD13	1:57:B:LEU:H	17	0.19
(1,1903)	1:57:A:LEU:HD11	1:57:A:LEU:H	2	0.19
(1,1903)	1:57:A:LEU:HD12	1:57:A:LEU:H	2	0.19
(1,1903)	1:57:A:LEU:HD13	1:57:A:LEU:H	2	0.19
(1,1903)	1:57:A:LEU:HD11	1:57:A:LEU:H	12	0.19
(1,1903)	1:57:A:LEU:HD12	1:57:A:LEU:H	12	0.19
(1,1903)	1:57:A:LEU:HD13	1:57:A:LEU:H	12	0.19
(1,1816)	1:74:A:LYS:HA	1:77:A:ALA:H	2	0.19
(1,1782)	1:44:A:LEU:HA	1:47:A:PHE:HB2	4	0.19
(1,1781)	1:44:B:LEU:HA	1:47:B:PHE:HB2	4	0.19
(1,1698)	1:81:A:LEU:H	1:84:A:PHE:HB2	3	0.19
(1,1592)	1:41:A:ARG:HD3	1:41:A:ARG:HA	8	0.19
(1,1520)	1:28:A:GLN:H	1:28:A:GLN:HE22	6	0.19
(1,1519)	1:28:B:GLN:H	1:28:B:GLN:HE22	6	0.19
(1,1514)	1:57:B:LEU:HD21	1:57:B:LEU:H	16	0.19
(1,1514)	1:57:B:LEU:HD22	1:57:B:LEU:H	16	0.19
(1,1514)	1:57:B:LEU:HD23	1:57:B:LEU:H	16	0.19
(1,1459)	1:60:A:PRO:HA	1:60:A:PRO:HD3	7	0.19
(1,1325)	1:88:A:ILE:HG21	1:90:A:ARG:H	8	0.19
(1,1325)	1:88:A:ILE:HG22	1:90:A:ARG:H	8	0.19
(1,1325)	1:88:A:ILE:HG23	1:90:A:ARG:H	8	0.19
(1,1324)	1:88:B:ILE:HG21	1:90:B:ARG:H	8	0.19
(1,1324)	1:88:B:ILE:HG22	1:90:B:ARG:H	8	0.19
(1,1324)	1:88:B:ILE:HG23	1:90:B:ARG:H	8	0.19
(1,1312)	1:95:B:LEU:HD11	1:69:A:TRP:HH2	6	0.19
(1,1312)	1:95:B:LEU:HD12	1:69:A:TRP:HH2	6	0.19
(1,1312)	1:95:B:LEU:HD13	1:69:A:TRP:HH2	6	0.19
(1,1292)	1:56:B:PHE:HB2	1:52:B:ALA:HA	16	0.19
(1,1291)	1:56:A:PHE:HB2	1:52:A:ALA:HA	16	0.19
(1,1262)	1:42:A:GLY:HA2	1:43:A:PRO:HD3	7	0.19
(1,1251)	1:43:B:PRO:HB3	1:43:B:PRO:HD3	17	0.19
(1,1251)	1:43:B:PRO:HB3	1:43:B:PRO:HD3	19	0.19
(1,1250)	1:43:A:PRO:HB3	1:43:A:PRO:HD3	17	0.19
(1,1250)	1:43:A:PRO:HB3	1:43:A:PRO:HD3	19	0.19
(1,1175)	1:94:A:ILE:HA	1:97:A:ARG:H	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1174)	1:94:B:ILE:HA	1:97:B:ARG:H	17	0.19
(1,1137)	1:77:B:ALA:HB1	1:74:B:LYS:HA	10	0.19
(1,1137)	1:77:B:ALA:HB2	1:74:B:LYS:HA	10	0.19
(1,1137)	1:77:B:ALA:HB3	1:74:B:LYS:HA	10	0.19
(1,1136)	1:77:A:ALA:HB1	1:74:A:LYS:HA	10	0.19
(1,1136)	1:77:A:ALA:HB2	1:74:A:LYS:HA	10	0.19
(1,1136)	1:77:A:ALA:HB3	1:74:A:LYS:HA	10	0.19
(1,1081)	1:45:A:LYS:HA	1:47:A:PHE:H	8	0.19
(1,1080)	1:45:B:LYS:HA	1:47:B:PHE:H	1	0.19
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD11	6	0.19
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD12	6	0.19
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD13	6	0.19
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD11	17	0.19
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD12	17	0.19
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD13	17	0.19
(1,1047)	1:94:A:ILE:HG13	1:93:A:ASN:H	10	0.19
(1,1047)	1:94:A:ILE:HG13	1:93:A:ASN:H	19	0.19
(1,1046)	1:94:B:ILE:HG13	1:93:B:ASN:H	19	0.19
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG21	4	0.19
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG22	4	0.19
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG23	4	0.19
(1,1034)	1:57:B:LEU:HD11	1:45:A:LYS:H	1	0.19
(1,1034)	1:57:B:LEU:HD12	1:45:A:LYS:H	1	0.19
(1,1034)	1:57:B:LEU:HD13	1:45:A:LYS:H	1	0.19
(1,1033)	1:71:B:THR:H	1:69:B:TRP:H	10	0.19
(1,1033)	1:71:B:THR:H	1:69:B:TRP:H	14	0.19
(1,1032)	1:71:A:THR:H	1:69:A:TRP:H	14	0.19
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD11	8	0.19
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD12	8	0.19
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD13	8	0.19
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD11	17	0.19
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD12	17	0.19
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD13	17	0.19
(1,990)	1:53:B:PHE:HA	1:53:A:PHE:H	15	0.19
(1,989)	1:53:A:PHE:HA	1:53:B:PHE:H	15	0.19
(1,985)	1:23:B:VAL:HG11	1:24:B:SER:H	6	0.19
(1,985)	1:23:B:VAL:HG12	1:24:B:SER:H	6	0.19
(1,985)	1:23:B:VAL:HG13	1:24:B:SER:H	6	0.19
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD11	4	0.19
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD12	4	0.19
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD13	4	0.19
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD11	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD12	16	0.19
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD13	16	0.19
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD11	18	0.19
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD12	18	0.19
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD13	18	0.19
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD11	4	0.19
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD12	4	0.19
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD13	4	0.19
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD11	16	0.19
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD12	16	0.19
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD13	16	0.19
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD11	18	0.19
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD12	18	0.19
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD13	18	0.19
(1,898)	1:65:A:ILE:HD11	1:26:A:VAL:HA	7	0.19
(1,898)	1:65:A:ILE:HD12	1:26:A:VAL:HA	7	0.19
(1,898)	1:65:A:ILE:HD13	1:26:A:VAL:HA	7	0.19
(1,897)	1:65:B:ILE:HD11	1:26:B:VAL:HA	7	0.19
(1,897)	1:65:B:ILE:HD12	1:26:B:VAL:HA	7	0.19
(1,897)	1:65:B:ILE:HD13	1:26:B:VAL:HA	7	0.19
(1,894)	1:25:A:THR:HG21	1:25:A:THR:H	12	0.19
(1,894)	1:25:A:THR:HG22	1:25:A:THR:H	12	0.19
(1,894)	1:25:A:THR:HG23	1:25:A:THR:H	12	0.19
(1,894)	1:25:A:THR:HG21	1:25:A:THR:H	15	0.19
(1,894)	1:25:A:THR:HG22	1:25:A:THR:H	15	0.19
(1,894)	1:25:A:THR:HG23	1:25:A:THR:H	15	0.19
(1,894)	1:25:A:THR:HG21	1:25:A:THR:H	18	0.19
(1,894)	1:25:A:THR:HG22	1:25:A:THR:H	18	0.19
(1,894)	1:25:A:THR:HG23	1:25:A:THR:H	18	0.19
(1,894)	1:25:A:THR:HG21	1:25:A:THR:H	19	0.19
(1,894)	1:25:A:THR:HG22	1:25:A:THR:H	19	0.19
(1,894)	1:25:A:THR:HG23	1:25:A:THR:H	19	0.19
(1,893)	1:25:B:THR:HG21	1:25:B:THR:H	12	0.19
(1,893)	1:25:B:THR:HG22	1:25:B:THR:H	12	0.19
(1,893)	1:25:B:THR:HG23	1:25:B:THR:H	12	0.19
(1,893)	1:25:B:THR:HG21	1:25:B:THR:H	15	0.19
(1,893)	1:25:B:THR:HG22	1:25:B:THR:H	15	0.19
(1,893)	1:25:B:THR:HG23	1:25:B:THR:H	15	0.19
(1,893)	1:25:B:THR:HG21	1:25:B:THR:H	18	0.19
(1,893)	1:25:B:THR:HG22	1:25:B:THR:H	18	0.19
(1,893)	1:25:B:THR:HG23	1:25:B:THR:H	18	0.19
(1,893)	1:25:B:THR:HG21	1:25:B:THR:H	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,893)	1:25:B:THR:HG22	1:25:B:THR:H	19	0.19
(1,893)	1:25:B:THR:HG23	1:25:B:THR:H	19	0.19
(1,854)	1:81:A:LEU:H	1:79:A:ASN:H	9	0.19
(1,853)	1:81:B:LEU:H	1:79:B:ASN:H	9	0.19
(1,850)	1:95:B:LEU:H	1:93:B:ASN:HA	11	0.19
(1,850)	1:95:B:LEU:H	1:93:B:ASN:HA	12	0.19
(1,849)	1:95:A:LEU:H	1:93:A:ASN:HA	11	0.19
(1,849)	1:95:A:LEU:H	1:93:A:ASN:HA	12	0.19
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG21	13	0.19
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG22	13	0.19
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG23	13	0.19
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG21	13	0.19
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG22	13	0.19
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG23	13	0.19
(1,827)	1:22:A:ARG:HG3	1:27:A:GLN:HA	16	0.19
(1,742)	1:77:B:ALA:H	1:80:B:VAL:H	18	0.19
(1,741)	1:77:A:ALA:H	1:80:A:VAL:H	18	0.19
(1,687)	1:38:B:LEU:HA	1:38:B:LEU:HD21	14	0.19
(1,687)	1:38:B:LEU:HA	1:38:B:LEU:HD22	14	0.19
(1,687)	1:38:B:LEU:HA	1:38:B:LEU:HD23	14	0.19
(1,686)	1:38:A:LEU:HA	1:38:A:LEU:HD21	14	0.19
(1,686)	1:38:A:LEU:HA	1:38:A:LEU:HD22	14	0.19
(1,686)	1:38:A:LEU:HA	1:38:A:LEU:HD23	14	0.19
(1,559)	1:65:A:ILE:HD11	1:51:A:VAL:HA	6	0.19
(1,559)	1:65:A:ILE:HD12	1:51:A:VAL:HA	6	0.19
(1,559)	1:65:A:ILE:HD13	1:51:A:VAL:HA	6	0.19
(1,421)	1:69:A:TRP:H	1:68:A:ARG:HA	10	0.19
(1,407)	1:80:A:VAL:HG21	1:45:A:LYS:HA	5	0.19
(1,407)	1:80:A:VAL:HG22	1:45:A:LYS:HA	5	0.19
(1,407)	1:80:A:VAL:HG23	1:45:A:LYS:HA	5	0.19
(1,374)	1:56:A:PHE:HD1	1:49:B:ALA:HA	14	0.19
(1,374)	1:56:A:PHE:HD2	1:49:B:ALA:HA	14	0.19
(1,333)	1:62:A:THR:HG21	1:64:A:GLY:HA2	4	0.19
(1,333)	1:62:A:THR:HG22	1:64:A:GLY:HA2	4	0.19
(1,333)	1:62:A:THR:HG23	1:64:A:GLY:HA2	4	0.19
(1,263)	1:62:B:THR:HG21	1:29:B:LEU:HD11	17	0.19
(1,263)	1:62:B:THR:HG21	1:29:B:LEU:HD12	17	0.19
(1,263)	1:62:B:THR:HG21	1:29:B:LEU:HD13	17	0.19
(1,263)	1:62:B:THR:HG22	1:29:B:LEU:HD11	17	0.19
(1,263)	1:62:B:THR:HG22	1:29:B:LEU:HD12	17	0.19
(1,263)	1:62:B:THR:HG22	1:29:B:LEU:HD13	17	0.19
(1,263)	1:62:B:THR:HG23	1:29:B:LEU:HD11	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,263)	1:62:B:THR:HG23	1:29:B:LEU:HD12	17	0.19
(1,263)	1:62:B:THR:HG23	1:29:B:LEU:HD13	17	0.19
(1,262)	1:62:A:THR:HG21	1:29:A:LEU:HD11	17	0.19
(1,262)	1:62:A:THR:HG21	1:29:A:LEU:HD12	17	0.19
(1,262)	1:62:A:THR:HG21	1:29:A:LEU:HD13	17	0.19
(1,262)	1:62:A:THR:HG22	1:29:A:LEU:HD11	17	0.19
(1,262)	1:62:A:THR:HG22	1:29:A:LEU:HD12	17	0.19
(1,262)	1:62:A:THR:HG22	1:29:A:LEU:HD13	17	0.19
(1,262)	1:62:A:THR:HG23	1:29:A:LEU:HD11	17	0.19
(1,262)	1:62:A:THR:HG23	1:29:A:LEU:HD12	17	0.19
(1,262)	1:62:A:THR:HG23	1:29:A:LEU:HD13	17	0.19
(1,258)	1:94:A:ILE:HD11	1:87:A:GLU:HA	5	0.19
(1,258)	1:94:A:ILE:HD12	1:87:A:GLU:HA	5	0.19
(1,258)	1:94:A:ILE:HD13	1:87:A:GLU:HA	5	0.19
(1,192)	1:77:B:ALA:HB1	1:75:B:SER:H	1	0.19
(1,192)	1:77:B:ALA:HB2	1:75:B:SER:H	1	0.19
(1,192)	1:77:B:ALA:HB3	1:75:B:SER:H	1	0.19
(1,192)	1:77:B:ALA:HB1	1:75:B:SER:H	9	0.19
(1,192)	1:77:B:ALA:HB2	1:75:B:SER:H	9	0.19
(1,192)	1:77:B:ALA:HB3	1:75:B:SER:H	9	0.19
(1,191)	1:77:A:ALA:HB1	1:75:A:SER:H	1	0.19
(1,191)	1:77:A:ALA:HB2	1:75:A:SER:H	1	0.19
(1,191)	1:77:A:ALA:HB3	1:75:A:SER:H	1	0.19
(1,191)	1:77:A:ALA:HB1	1:75:A:SER:H	9	0.19
(1,191)	1:77:A:ALA:HB2	1:75:A:SER:H	9	0.19
(1,191)	1:77:A:ALA:HB3	1:75:A:SER:H	9	0.19
(1,189)	1:96:B:ASN:HA	1:92:B:LEU:HA	10	0.19
(1,188)	1:96:A:ASN:HA	1:92:A:LEU:HA	10	0.19
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG3	6	0.19
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG3	6	0.19
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG3	6	0.19
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG3	8	0.19
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG3	8	0.19
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG3	8	0.19
(1,184)	1:92:B:LEU:HD21	1:82:A:ARG:HG3	17	0.19
(1,184)	1:92:B:LEU:HD22	1:82:A:ARG:HG3	17	0.19
(1,184)	1:92:B:LEU:HD23	1:82:A:ARG:HG3	17	0.19
(1,165)	1:69:A:TRP:HH2	1:95:B:LEU:HG	3	0.19
(1,157)	1:78:A:ILE:HG21	1:96:B:ASN:HD21	17	0.19
(1,157)	1:78:A:ILE:HG22	1:96:B:ASN:HD21	17	0.19
(1,157)	1:78:A:ILE:HG23	1:96:B:ASN:HD21	17	0.19
(1,146)	1:69:A:TRP:HH2	1:95:B:LEU:H	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,145)	1:69:B:TRP:HH2	1:95:A:LEU:H	20	0.19
(1,125)	1:69:B:TRP:HZ2	1:94:A:ILE:H	10	0.19
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD1	18	0.19
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD2	18	0.19
(1,85)	1:69:A:TRP:HH2	1:91:B:MET:HA	1	0.19
(1,2)	1:57:B:LEU:HD11	1:45:A:LYS:H	1	0.19
(1,2)	1:57:B:LEU:HD12	1:45:A:LYS:H	1	0.19
(1,2)	1:57:B:LEU:HD13	1:45:A:LYS:H	1	0.19
(2,348)	1:47:B:PHE:HD1	1:41:B:ARG:HD2	14	0.18
(2,348)	1:47:B:PHE:HD2	1:41:B:ARG:HD2	14	0.18
(2,308)	1:76:A:LYS:HB3	1:76:A:LYS:HA	4	0.18
(2,308)	1:76:A:LYS:HB3	1:76:A:LYS:HA	15	0.18
(2,308)	1:76:A:LYS:HB3	1:76:A:LYS:HA	17	0.18
(2,279)	1:47:A:PHE:HD1	1:41:A:ARG:HD2	14	0.18
(2,279)	1:47:A:PHE:HD2	1:41:A:ARG:HD2	14	0.18
(2,247)	1:72:A:ILE:HG13	1:72:A:ILE:HB	8	0.18
(2,164)	1:81:B:LEU:H	1:84:B:PHE:HB2	4	0.18
(2,164)	1:81:B:LEU:H	1:84:B:PHE:HB2	18	0.18
(2,82)	1:68:B:ARG:H	1:68:B:ARG:HB2	19	0.18
(2,63)	1:60:B:PRO:HA	1:60:B:PRO:HD3	5	0.18
(1,3487)	1:57:A:LEU:HD11	1:45:B:LYS:H	1	0.18
(1,3487)	1:57:A:LEU:HD12	1:45:B:LYS:H	1	0.18
(1,3487)	1:57:A:LEU:HD13	1:45:B:LYS:H	1	0.18
(1,3479)	1:87:A:GLU:HA	1:89:A:GLY:HA2	7	0.18
(1,3479)	1:87:A:GLU:HA	1:89:A:GLY:HA2	19	0.18
(1,3409)	1:94:B:ILE:HA	1:97:B:ARG:HB2	17	0.18
(1,3404)	1:29:B:LEU:H	1:30:B:THR:HA	16	0.18
(1,3403)	1:29:A:LEU:H	1:30:A:THR:HA	16	0.18
(1,3400)	1:25:A:THR:HG21	1:28:A:GLN:HE21	2	0.18
(1,3400)	1:25:A:THR:HG22	1:28:A:GLN:HE21	2	0.18
(1,3400)	1:25:A:THR:HG23	1:28:A:GLN:HE21	2	0.18
(1,3342)	1:86:A:LYS:HA	1:89:A:GLY:HA2	5	0.18
(1,3342)	1:86:A:LYS:HA	1:89:A:GLY:HA2	10	0.18
(1,3340)	1:62:B:THR:HA	1:25:B:THR:HB	5	0.18
(1,3339)	1:62:A:THR:HA	1:25:A:THR:HB	5	0.18
(1,3332)	1:26:B:VAL:HG11	1:22:B:ARG:HB3	17	0.18
(1,3332)	1:26:B:VAL:HG12	1:22:B:ARG:HB3	17	0.18
(1,3332)	1:26:B:VAL:HG13	1:22:B:ARG:HB3	17	0.18
(1,3324)	1:76:B:LYS:H	1:76:B:LYS:HG3	13	0.18
(1,3321)	1:88:B:ILE:HA	1:90:B:ARG:H	1	0.18
(1,3321)	1:88:B:ILE:HA	1:90:B:ARG:H	11	0.18
(1,3320)	1:88:A:ILE:HA	1:90:A:ARG:H	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3319)	1:71:A:THR:HG21	1:44:A:LEU:HA	16	0.18
(1,3319)	1:71:A:THR:HG22	1:44:A:LEU:HA	16	0.18
(1,3319)	1:71:A:THR:HG23	1:44:A:LEU:HA	16	0.18
(1,3318)	1:71:B:THR:HG21	1:44:B:LEU:HA	16	0.18
(1,3318)	1:71:B:THR:HG22	1:44:B:LEU:HA	16	0.18
(1,3318)	1:71:B:THR:HG23	1:44:B:LEU:HA	16	0.18
(1,3318)	1:71:B:THR:HG21	1:44:B:LEU:HA	20	0.18
(1,3318)	1:71:B:THR:HG22	1:44:B:LEU:HA	20	0.18
(1,3318)	1:71:B:THR:HG23	1:44:B:LEU:HA	20	0.18
(1,3249)	1:76:B:LYS:HB3	1:76:B:LYS:HA	4	0.18
(1,3249)	1:76:B:LYS:HB3	1:76:B:LYS:HA	15	0.18
(1,3249)	1:76:B:LYS:HB3	1:76:B:LYS:HA	17	0.18
(1,3214)	1:50:B:LEU:HD21	1:54:B:LEU:H	19	0.18
(1,3214)	1:50:B:LEU:HD22	1:54:B:LEU:H	19	0.18
(1,3214)	1:50:B:LEU:HD23	1:54:B:LEU:H	19	0.18
(1,3205)	1:49:B:ALA:HA	1:53:A:PHE:HA	15	0.18
(1,3190)	1:66:B:LEU:HD21	1:60:B:PRO:HA	12	0.18
(1,3190)	1:66:B:LEU:HD22	1:60:B:PRO:HA	12	0.18
(1,3190)	1:66:B:LEU:HD23	1:60:B:PRO:HA	12	0.18
(1,3178)	1:49:B:ALA:HB1	1:45:B:LYS:HB3	10	0.18
(1,3178)	1:49:B:ALA:HB2	1:45:B:LYS:HB3	10	0.18
(1,3178)	1:49:B:ALA:HB3	1:45:B:LYS:HB3	10	0.18
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG21	15	0.18
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG22	15	0.18
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG23	15	0.18
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG21	15	0.18
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG22	15	0.18
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG23	15	0.18
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG21	15	0.18
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG22	15	0.18
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG23	15	0.18
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD11	5	0.18
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD12	5	0.18
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD13	5	0.18
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD11	5	0.18
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD12	5	0.18
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD13	5	0.18
(1,3110)	1:47:A:PHE:HD1	1:44:A:LEU:HA	3	0.18
(1,3110)	1:47:A:PHE:HD2	1:44:A:LEU:HA	3	0.18
(1,3109)	1:47:B:PHE:HD1	1:44:B:LEU:HA	3	0.18
(1,3109)	1:47:B:PHE:HD2	1:44:B:LEU:HA	3	0.18
(1,3098)	1:65:A:ILE:HD11	1:25:A:THR:HB	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3098)	1:65:A:ILE:HD12	1:25:A:THR:HB	12	0.18
(1,3098)	1:65:A:ILE:HD13	1:25:A:THR:HB	12	0.18
(1,3009)	1:23:A:VAL:HB	1:22:A:ARG:HB2	9	0.18
(1,2965)	1:78:A:ILE:HA	1:82:A:ARG:H	11	0.18
(1,2965)	1:78:A:ILE:HA	1:82:A:ARG:H	15	0.18
(1,2965)	1:78:A:ILE:HA	1:82:A:ARG:H	16	0.18
(1,2964)	1:78:B:ILE:HA	1:82:B:ARG:H	6	0.18
(1,2964)	1:78:B:ILE:HA	1:82:B:ARG:H	11	0.18
(1,2964)	1:78:B:ILE:HA	1:82:B:ARG:H	15	0.18
(1,2964)	1:78:B:ILE:HA	1:82:B:ARG:H	16	0.18
(1,2951)	1:80:A:VAL:HA	1:79:A:ASN:HB2	5	0.18
(1,2951)	1:80:A:VAL:HA	1:79:A:ASN:HB2	11	0.18
(1,2874)	1:88:B:ILE:HB	1:89:B:GLY:HA2	11	0.18
(1,2874)	1:88:B:ILE:HB	1:89:B:GLY:HA2	13	0.18
(1,2873)	1:88:A:ILE:HB	1:89:A:GLY:HA2	11	0.18
(1,2848)	1:89:B:GLY:H	1:86:B:LYS:HA	7	0.18
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD11	7	0.18
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD12	7	0.18
(1,2832)	1:51:B:VAL:HG21	1:66:B:LEU:HD13	7	0.18
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD11	7	0.18
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD12	7	0.18
(1,2832)	1:51:B:VAL:HG22	1:66:B:LEU:HD13	7	0.18
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD11	7	0.18
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD12	7	0.18
(1,2832)	1:51:B:VAL:HG23	1:66:B:LEU:HD13	7	0.18
(1,2768)	1:72:A:ILE:HD11	1:81:A:LEU:HD11	13	0.18
(1,2768)	1:72:A:ILE:HD11	1:81:A:LEU:HD12	13	0.18
(1,2768)	1:72:A:ILE:HD11	1:81:A:LEU:HD13	13	0.18
(1,2768)	1:72:A:ILE:HD12	1:81:A:LEU:HD11	13	0.18
(1,2768)	1:72:A:ILE:HD12	1:81:A:LEU:HD12	13	0.18
(1,2768)	1:72:A:ILE:HD12	1:81:A:LEU:HD13	13	0.18
(1,2768)	1:72:A:ILE:HD13	1:81:A:LEU:HD11	13	0.18
(1,2768)	1:72:A:ILE:HD13	1:81:A:LEU:HD12	13	0.18
(1,2768)	1:72:A:ILE:HD13	1:81:A:LEU:HD13	13	0.18
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB1	6	0.18
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB2	6	0.18
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB3	6	0.18
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB1	6	0.18
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB2	6	0.18
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB3	6	0.18
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB1	6	0.18
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB2	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB3	6	0.18
(1,2744)	1:99:B:ARG:HD3	1:99:B:ARG:HB3	10	0.18
(1,2726)	1:80:A:VAL:HG21	1:45:A:LYS:HB3	13	0.18
(1,2726)	1:80:A:VAL:HG22	1:45:A:LYS:HB3	13	0.18
(1,2726)	1:80:A:VAL:HG23	1:45:A:LYS:HB3	13	0.18
(1,2726)	1:80:A:VAL:HG21	1:45:A:LYS:HB3	17	0.18
(1,2726)	1:80:A:VAL:HG22	1:45:A:LYS:HB3	17	0.18
(1,2726)	1:80:A:VAL:HG23	1:45:A:LYS:HB3	17	0.18
(1,2694)	1:57:B:LEU:H	1:54:B:LEU:HA	7	0.18
(1,2645)	1:78:A:ILE:HD11	1:96:B:ASN:HD21	17	0.18
(1,2645)	1:78:A:ILE:HD12	1:96:B:ASN:HD21	17	0.18
(1,2645)	1:78:A:ILE:HD13	1:96:B:ASN:HD21	17	0.18
(1,2643)	1:77:B:ALA:H	1:76:B:LYS:HE3	4	0.18
(1,2604)	1:82:A:ARG:HA	1:85:A:ARG:HD3	15	0.18
(1,2604)	1:82:A:ARG:HA	1:85:A:ARG:HD3	20	0.18
(1,2603)	1:82:B:ARG:HA	1:85:B:ARG:HD3	19	0.18
(1,2603)	1:82:B:ARG:HA	1:85:B:ARG:HD3	20	0.18
(1,2598)	1:74:A:LYS:HB2	1:75:A:SER:HB2	10	0.18
(1,2597)	1:74:B:LYS:HB2	1:75:B:SER:HB2	10	0.18
(1,2559)	1:94:B:ILE:HA	1:98:B:ARG:HG2	8	0.18
(1,2559)	1:94:B:ILE:HA	1:98:B:ARG:HG2	13	0.18
(1,2558)	1:94:A:ILE:HA	1:98:A:ARG:HG2	8	0.18
(1,2523)	1:74:B:LYS:HG2	1:98:A:ARG:HG3	2	0.18
(1,2519)	1:38:A:LEU:HA	1:38:A:LEU:HD21	12	0.18
(1,2519)	1:38:A:LEU:HA	1:38:A:LEU:HD22	12	0.18
(1,2519)	1:38:A:LEU:HA	1:38:A:LEU:HD23	12	0.18
(1,2518)	1:38:B:LEU:HA	1:38:B:LEU:HD21	12	0.18
(1,2518)	1:38:B:LEU:HA	1:38:B:LEU:HD22	12	0.18
(1,2518)	1:38:B:LEU:HA	1:38:B:LEU:HD23	12	0.18
(1,2517)	1:80:A:VAL:HG21	1:84:A:PHE:H	15	0.18
(1,2517)	1:80:A:VAL:HG22	1:84:A:PHE:H	15	0.18
(1,2517)	1:80:A:VAL:HG23	1:84:A:PHE:H	15	0.18
(1,2491)	1:23:B:VAL:HG11	1:24:B:SER:H	5	0.18
(1,2491)	1:23:B:VAL:HG12	1:24:B:SER:H	5	0.18
(1,2491)	1:23:B:VAL:HG13	1:24:B:SER:H	5	0.18
(1,2443)	1:22:B:ARG:HB3	1:23:B:VAL:HA	8	0.18
(1,2439)	1:86:B:LYS:HA	1:86:B:LYS:HG3	15	0.18
(1,2438)	1:86:A:LYS:HA	1:86:A:LYS:HG3	15	0.18
(1,2431)	1:48:B:MET:HB3	1:45:B:LYS:HA	15	0.18
(1,2430)	1:48:A:MET:HB3	1:45:A:LYS:HA	15	0.18
(1,2417)	1:62:B:THR:H	1:63:B:ALA:HA	1	0.18
(1,2417)	1:62:B:THR:H	1:63:B:ALA:HA	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2417)	1:62:B:THR:H	1:63:B:ALA:HA	19	0.18
(1,2416)	1:62:A:THR:H	1:63:A:ALA:HA	1	0.18
(1,2416)	1:62:A:THR:H	1:63:A:ALA:HA	19	0.18
(1,2397)	1:90:A:ARG:H	1:90:A:ARG:HD3	1	0.18
(1,2396)	1:90:B:ARG:H	1:90:B:ARG:HD3	1	0.18
(1,2326)	1:64:B:GLY:HA3	1:67:B:LYS:H	20	0.18
(1,2325)	1:78:B:ILE:HA	1:92:A:LEU:HA	8	0.18
(1,2296)	1:72:A:ILE:HB	1:73:A:LYS:H	16	0.18
(1,2295)	1:72:B:ILE:HB	1:73:B:LYS:H	16	0.18
(1,2288)	1:24:A:SER:HB3	1:24:A:SER:H	3	0.18
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD21	20	0.18
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD22	20	0.18
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD23	20	0.18
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD21	20	0.18
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD22	20	0.18
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD23	20	0.18
(1,2246)	1:45:B:LYS:HA	1:45:B:LYS:HB3	2	0.18
(1,2246)	1:45:B:LYS:HA	1:45:B:LYS:HB3	11	0.18
(1,2246)	1:45:B:LYS:HA	1:45:B:LYS:HB3	16	0.18
(1,2246)	1:45:B:LYS:HA	1:45:B:LYS:HB3	17	0.18
(1,2246)	1:45:B:LYS:HA	1:45:B:LYS:HB3	18	0.18
(1,2246)	1:45:B:LYS:HA	1:45:B:LYS:HB3	19	0.18
(1,2245)	1:45:A:LYS:HA	1:45:A:LYS:HB3	2	0.18
(1,2245)	1:45:A:LYS:HA	1:45:A:LYS:HB3	8	0.18
(1,2245)	1:45:A:LYS:HA	1:45:A:LYS:HB3	11	0.18
(1,2245)	1:45:A:LYS:HA	1:45:A:LYS:HB3	16	0.18
(1,2245)	1:45:A:LYS:HA	1:45:A:LYS:HB3	17	0.18
(1,2245)	1:45:A:LYS:HA	1:45:A:LYS:HB3	18	0.18
(1,2245)	1:45:A:LYS:HA	1:45:A:LYS:HB3	19	0.18
(1,2242)	1:91:B:MET:HB2	1:93:B:ASN:H	20	0.18
(1,2241)	1:91:A:MET:HB2	1:93:A:ASN:H	2	0.18
(1,2241)	1:91:A:MET:HB2	1:93:A:ASN:H	20	0.18
(1,2229)	1:43:B:PRO:HB2	1:44:B:LEU:H	11	0.18
(1,2153)	1:42:A:GLY:HA2	1:43:A:PRO:HD2	19	0.18
(1,2152)	1:42:B:GLY:HA2	1:43:B:PRO:HD2	19	0.18
(1,2096)	1:23:B:VAL:HG11	1:24:B:SER:H	5	0.18
(1,2096)	1:23:B:VAL:HG12	1:24:B:SER:H	5	0.18
(1,2096)	1:23:B:VAL:HG13	1:24:B:SER:H	5	0.18
(1,2095)	1:23:A:VAL:HG11	1:24:A:SER:H	16	0.18
(1,2095)	1:23:A:VAL:HG12	1:24:A:SER:H	16	0.18
(1,2095)	1:23:A:VAL:HG13	1:24:A:SER:H	16	0.18
(1,2086)	1:92:A:LEU:HG	1:93:A:ASN:H	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2085)	1:92:B:LEU:HG	1:93:B:ASN:H	4	0.18
(1,2085)	1:92:B:LEU:HG	1:93:B:ASN:H	7	0.18
(1,2085)	1:92:B:LEU:HG	1:93:B:ASN:H	19	0.18
(1,2058)	1:49:B:ALA:H	1:52:B:ALA:H	1	0.18
(1,2058)	1:49:B:ALA:H	1:52:B:ALA:H	13	0.18
(1,2058)	1:49:B:ALA:H	1:52:B:ALA:H	19	0.18
(1,2057)	1:49:A:ALA:H	1:52:A:ALA:H	1	0.18
(1,2057)	1:49:A:ALA:H	1:52:A:ALA:H	12	0.18
(1,2057)	1:49:A:ALA:H	1:52:A:ALA:H	19	0.18
(1,2045)	1:67:A:LYS:HB3	1:67:A:LYS:H	6	0.18
(1,2044)	1:67:B:LYS:HB3	1:67:B:LYS:H	6	0.18
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE1	11	0.18
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE2	11	0.18
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE1	11	0.18
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE2	11	0.18
(1,1999)	1:72:A:ILE:HD11	1:73:A:LYS:H	18	0.18
(1,1999)	1:72:A:ILE:HD12	1:73:A:LYS:H	18	0.18
(1,1999)	1:72:A:ILE:HD13	1:73:A:LYS:H	18	0.18
(1,1998)	1:72:B:ILE:HD11	1:73:B:LYS:H	18	0.18
(1,1998)	1:72:B:ILE:HD12	1:73:B:LYS:H	18	0.18
(1,1998)	1:72:B:ILE:HD13	1:73:B:LYS:H	18	0.18
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD11	1	0.18
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD12	1	0.18
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD13	1	0.18
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD21	18	0.18
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD22	18	0.18
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD23	18	0.18
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD21	18	0.18
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD22	18	0.18
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD23	18	0.18
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD21	18	0.18
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD22	18	0.18
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD23	18	0.18
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD21	18	0.18
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD22	18	0.18
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD23	18	0.18
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD21	18	0.18
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD22	18	0.18
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD23	18	0.18
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD21	18	0.18
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD22	18	0.18
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD23	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1916)	1:94:A:ILE:HG21	1:69:B:TRP:HH2	7	0.18
(1,1916)	1:94:A:ILE:HG22	1:69:B:TRP:HH2	7	0.18
(1,1916)	1:94:A:ILE:HG23	1:69:B:TRP:HH2	7	0.18
(1,1915)	1:94:B:ILE:HG21	1:69:A:TRP:HH2	7	0.18
(1,1915)	1:94:B:ILE:HG22	1:69:A:TRP:HH2	7	0.18
(1,1915)	1:94:B:ILE:HG23	1:69:A:TRP:HH2	7	0.18
(1,1904)	1:57:B:LEU:HD11	1:57:B:LEU:H	3	0.18
(1,1904)	1:57:B:LEU:HD12	1:57:B:LEU:H	3	0.18
(1,1904)	1:57:B:LEU:HD13	1:57:B:LEU:H	3	0.18
(1,1904)	1:57:B:LEU:HD11	1:57:B:LEU:H	20	0.18
(1,1904)	1:57:B:LEU:HD12	1:57:B:LEU:H	20	0.18
(1,1904)	1:57:B:LEU:HD13	1:57:B:LEU:H	20	0.18
(1,1903)	1:57:A:LEU:HD11	1:57:A:LEU:H	3	0.18
(1,1903)	1:57:A:LEU:HD12	1:57:A:LEU:H	3	0.18
(1,1903)	1:57:A:LEU:HD13	1:57:A:LEU:H	3	0.18
(1,1903)	1:57:A:LEU:HD11	1:57:A:LEU:H	20	0.18
(1,1903)	1:57:A:LEU:HD12	1:57:A:LEU:H	20	0.18
(1,1903)	1:57:A:LEU:HD13	1:57:A:LEU:H	20	0.18
(1,1867)	1:94:A:ILE:HG21	1:91:A:MET:HA	14	0.18
(1,1867)	1:94:A:ILE:HG22	1:91:A:MET:HA	14	0.18
(1,1867)	1:94:A:ILE:HG23	1:91:A:MET:HA	14	0.18
(1,1867)	1:94:A:ILE:HG21	1:91:A:MET:HA	15	0.18
(1,1867)	1:94:A:ILE:HG22	1:91:A:MET:HA	15	0.18
(1,1867)	1:94:A:ILE:HG23	1:91:A:MET:HA	15	0.18
(1,1866)	1:94:B:ILE:HG21	1:91:B:MET:HA	14	0.18
(1,1866)	1:94:B:ILE:HG22	1:91:B:MET:HA	14	0.18
(1,1866)	1:94:B:ILE:HG23	1:91:B:MET:HA	14	0.18
(1,1866)	1:94:B:ILE:HG21	1:91:B:MET:HA	15	0.18
(1,1866)	1:94:B:ILE:HG22	1:91:B:MET:HA	15	0.18
(1,1866)	1:94:B:ILE:HG23	1:91:B:MET:HA	15	0.18
(1,1846)	1:22:B:ARG:HA	1:21:B:ASN:HA	3	0.18
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD11	7	0.18
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD12	7	0.18
(1,1843)	1:72:A:ILE:HB	1:44:A:LEU:HD13	7	0.18
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD11	7	0.18
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD12	7	0.18
(1,1842)	1:72:B:ILE:HB	1:44:B:LEU:HD13	7	0.18
(1,1836)	1:65:B:ILE:HG21	1:51:B:VAL:HA	15	0.18
(1,1836)	1:65:B:ILE:HG22	1:51:B:VAL:HA	15	0.18
(1,1836)	1:65:B:ILE:HG23	1:51:B:VAL:HA	15	0.18
(1,1835)	1:65:A:ILE:HG21	1:51:A:VAL:HA	15	0.18
(1,1835)	1:65:A:ILE:HG22	1:51:A:VAL:HA	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1835)	1:65:A:ILE:HG23	1:51:A:VAL:HA	15	0.18
(1,1815)	1:74:B:LYS:HA	1:77:B:ALA:H	2	0.18
(1,1740)	1:82:B:ARG:HA	1:85:B:ARG:H	9	0.18
(1,1740)	1:82:B:ARG:HA	1:85:B:ARG:H	19	0.18
(1,1739)	1:82:A:ARG:HA	1:85:A:ARG:H	9	0.18
(1,1739)	1:82:A:ARG:HA	1:85:A:ARG:H	19	0.18
(1,1702)	1:84:A:PHE:HA	1:87:A:GLU:H	9	0.18
(1,1701)	1:84:B:PHE:HA	1:87:B:GLU:H	9	0.18
(1,1698)	1:81:A:LEU:H	1:84:A:PHE:HB2	4	0.18
(1,1672)	1:72:B:ILE:HD11	1:47:B:PHE:HD1	8	0.18
(1,1672)	1:72:B:ILE:HD11	1:47:B:PHE:HD2	8	0.18
(1,1672)	1:72:B:ILE:HD12	1:47:B:PHE:HD1	8	0.18
(1,1672)	1:72:B:ILE:HD12	1:47:B:PHE:HD2	8	0.18
(1,1672)	1:72:B:ILE:HD13	1:47:B:PHE:HD1	8	0.18
(1,1672)	1:72:B:ILE:HD13	1:47:B:PHE:HD2	8	0.18
(1,1671)	1:72:A:ILE:HD11	1:47:A:PHE:HD1	8	0.18
(1,1671)	1:72:A:ILE:HD11	1:47:A:PHE:HD2	8	0.18
(1,1671)	1:72:A:ILE:HD12	1:47:A:PHE:HD1	8	0.18
(1,1671)	1:72:A:ILE:HD12	1:47:A:PHE:HD2	8	0.18
(1,1671)	1:72:A:ILE:HD13	1:47:A:PHE:HD1	8	0.18
(1,1671)	1:72:A:ILE:HD13	1:47:A:PHE:HD2	8	0.18
(1,1666)	1:95:A:LEU:HG	1:92:A:LEU:HA	7	0.18
(1,1666)	1:95:A:LEU:HG	1:92:A:LEU:HA	9	0.18
(1,1653)	1:69:B:TRP:HA	1:67:B:LYS:H	1	0.18
(1,1653)	1:69:B:TRP:HA	1:67:B:LYS:H	15	0.18
(1,1640)	1:94:B:ILE:H	1:93:B:ASN:HD21	14	0.18
(1,1613)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	5	0.18
(1,1613)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	5	0.18
(1,1613)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	5	0.18
(1,1613)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	5	0.18
(1,1613)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	5	0.18
(1,1613)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	5	0.18
(1,1612)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	5	0.18
(1,1612)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	5	0.18
(1,1612)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	5	0.18
(1,1612)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	5	0.18
(1,1612)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	5	0.18
(1,1612)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	5	0.18
(1,1514)	1:57:B:LEU:HD21	1:57:B:LEU:H	3	0.18
(1,1514)	1:57:B:LEU:HD22	1:57:B:LEU:H	3	0.18
(1,1514)	1:57:B:LEU:HD23	1:57:B:LEU:H	3	0.18
(1,1514)	1:57:B:LEU:HD21	1:57:B:LEU:H	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1514)	1:57:B:LEU:HD22	1:57:B:LEU:H	13	0.18
(1,1514)	1:57:B:LEU:HD23	1:57:B:LEU:H	13	0.18
(1,1510)	1:94:B:ILE:HG21	1:95:B:LEU:HD11	2	0.18
(1,1510)	1:94:B:ILE:HG21	1:95:B:LEU:HD12	2	0.18
(1,1510)	1:94:B:ILE:HG21	1:95:B:LEU:HD13	2	0.18
(1,1510)	1:94:B:ILE:HG22	1:95:B:LEU:HD11	2	0.18
(1,1510)	1:94:B:ILE:HG22	1:95:B:LEU:HD12	2	0.18
(1,1510)	1:94:B:ILE:HG22	1:95:B:LEU:HD13	2	0.18
(1,1510)	1:94:B:ILE:HG23	1:95:B:LEU:HD11	2	0.18
(1,1510)	1:94:B:ILE:HG23	1:95:B:LEU:HD12	2	0.18
(1,1510)	1:94:B:ILE:HG23	1:95:B:LEU:HD13	2	0.18
(1,1510)	1:94:B:ILE:HG21	1:95:B:LEU:HD11	20	0.18
(1,1510)	1:94:B:ILE:HG21	1:95:B:LEU:HD12	20	0.18
(1,1510)	1:94:B:ILE:HG21	1:95:B:LEU:HD13	20	0.18
(1,1510)	1:94:B:ILE:HG22	1:95:B:LEU:HD11	20	0.18
(1,1510)	1:94:B:ILE:HG22	1:95:B:LEU:HD12	20	0.18
(1,1510)	1:94:B:ILE:HG22	1:95:B:LEU:HD13	20	0.18
(1,1510)	1:94:B:ILE:HG23	1:95:B:LEU:HD11	20	0.18
(1,1510)	1:94:B:ILE:HG23	1:95:B:LEU:HD12	20	0.18
(1,1510)	1:94:B:ILE:HG23	1:95:B:LEU:HD13	20	0.18
(1,1509)	1:94:A:ILE:HG21	1:95:A:LEU:HD11	2	0.18
(1,1509)	1:94:A:ILE:HG21	1:95:A:LEU:HD12	2	0.18
(1,1509)	1:94:A:ILE:HG21	1:95:A:LEU:HD13	2	0.18
(1,1509)	1:94:A:ILE:HG22	1:95:A:LEU:HD11	2	0.18
(1,1509)	1:94:A:ILE:HG22	1:95:A:LEU:HD12	2	0.18
(1,1509)	1:94:A:ILE:HG22	1:95:A:LEU:HD13	2	0.18
(1,1509)	1:94:A:ILE:HG23	1:95:A:LEU:HD11	2	0.18
(1,1509)	1:94:A:ILE:HG23	1:95:A:LEU:HD12	2	0.18
(1,1509)	1:94:A:ILE:HG23	1:95:A:LEU:HD13	2	0.18
(1,1509)	1:94:A:ILE:HG21	1:95:A:LEU:HD11	20	0.18
(1,1509)	1:94:A:ILE:HG21	1:95:A:LEU:HD12	20	0.18
(1,1509)	1:94:A:ILE:HG21	1:95:A:LEU:HD13	20	0.18
(1,1509)	1:94:A:ILE:HG22	1:95:A:LEU:HD11	20	0.18
(1,1509)	1:94:A:ILE:HG22	1:95:A:LEU:HD12	20	0.18
(1,1509)	1:94:A:ILE:HG22	1:95:A:LEU:HD13	20	0.18
(1,1509)	1:94:A:ILE:HG23	1:95:A:LEU:HD11	20	0.18
(1,1509)	1:94:A:ILE:HG23	1:95:A:LEU:HD12	20	0.18
(1,1509)	1:94:A:ILE:HG23	1:95:A:LEU:HD13	20	0.18
(1,1506)	1:57:B:LEU:H	1:54:B:LEU:HB3	12	0.18
(1,1505)	1:57:A:LEU:H	1:54:A:LEU:HB3	12	0.18
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG11	16	0.18
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG12	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG13	16	0.18
(1,1459)	1:60:A:PRO:HA	1:60:A:PRO:HD3	5	0.18
(1,1374)	1:80:A:VAL:HG21	1:48:A:MET:H	1	0.18
(1,1374)	1:80:A:VAL:HG22	1:48:A:MET:H	1	0.18
(1,1374)	1:80:A:VAL:HG23	1:48:A:MET:H	1	0.18
(1,1350)	1:28:A:GLN:HA	1:31:A:LYS:H	12	0.18
(1,1349)	1:28:B:GLN:HA	1:31:B:LYS:H	12	0.18
(1,1332)	1:45:A:LYS:HG2	1:45:A:LYS:H	2	0.18
(1,1312)	1:95:B:LEU:HD11	1:69:A:TRP:HH2	3	0.18
(1,1312)	1:95:B:LEU:HD12	1:69:A:TRP:HH2	3	0.18
(1,1312)	1:95:B:LEU:HD13	1:69:A:TRP:HH2	3	0.18
(1,1310)	1:95:A:LEU:HD21	1:69:B:TRP:HH2	20	0.18
(1,1310)	1:95:A:LEU:HD22	1:69:B:TRP:HH2	20	0.18
(1,1310)	1:95:A:LEU:HD23	1:69:B:TRP:HH2	20	0.18
(1,1251)	1:43:B:PRO:HB3	1:43:B:PRO:HD3	2	0.18
(1,1251)	1:43:B:PRO:HB3	1:43:B:PRO:HD3	4	0.18
(1,1251)	1:43:B:PRO:HB3	1:43:B:PRO:HD3	8	0.18
(1,1251)	1:43:B:PRO:HB3	1:43:B:PRO:HD3	13	0.18
(1,1251)	1:43:B:PRO:HB3	1:43:B:PRO:HD3	14	0.18
(1,1251)	1:43:B:PRO:HB3	1:43:B:PRO:HD3	20	0.18
(1,1250)	1:43:A:PRO:HB3	1:43:A:PRO:HD3	2	0.18
(1,1250)	1:43:A:PRO:HB3	1:43:A:PRO:HD3	8	0.18
(1,1250)	1:43:A:PRO:HB3	1:43:A:PRO:HD3	13	0.18
(1,1250)	1:43:A:PRO:HB3	1:43:A:PRO:HD3	20	0.18
(1,1245)	1:62:A:THR:HB	1:64:A:GLY:H	9	0.18
(1,1236)	1:25:B:THR:HG21	1:28:B:GLN:HE22	3	0.18
(1,1236)	1:25:B:THR:HG22	1:28:B:GLN:HE22	3	0.18
(1,1236)	1:25:B:THR:HG23	1:28:B:GLN:HE22	3	0.18
(1,1235)	1:25:A:THR:HG21	1:28:A:GLN:HE22	3	0.18
(1,1235)	1:25:A:THR:HG22	1:28:A:GLN:HE22	3	0.18
(1,1235)	1:25:A:THR:HG23	1:28:A:GLN:HE22	3	0.18
(1,1207)	1:72:B:ILE:HG13	1:72:B:ILE:HB	8	0.18
(1,1199)	1:58:B:THR:HA	1:58:B:THR:H	3	0.18
(1,1198)	1:58:A:THR:HA	1:58:A:THR:H	3	0.18
(1,1149)	1:41:A:ARG:HB2	1:42:A:GLY:H	17	0.18
(1,1148)	1:41:B:ARG:HB2	1:42:B:GLY:H	8	0.18
(1,1137)	1:77:B:ALA:HB1	1:74:B:LYS:HA	9	0.18
(1,1137)	1:77:B:ALA:HB2	1:74:B:LYS:HA	9	0.18
(1,1137)	1:77:B:ALA:HB3	1:74:B:LYS:HA	9	0.18
(1,1136)	1:77:A:ALA:HB1	1:74:A:LYS:HA	9	0.18
(1,1136)	1:77:A:ALA:HB2	1:74:A:LYS:HA	9	0.18
(1,1136)	1:77:A:ALA:HB3	1:74:A:LYS:HA	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:45:A:LYS:HA	1:47:A:PHE:H	15	0.18
(1,1080)	1:45:B:LYS:HA	1:47:B:PHE:H	8	0.18
(1,1080)	1:45:B:LYS:HA	1:47:B:PHE:H	15	0.18
(1,1057)	1:46:A:LEU:H	1:43:A:PRO:HD3	17	0.18
(1,1046)	1:94:B:ILE:HG13	1:93:B:ASN:H	10	0.18
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG21	6	0.18
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG22	6	0.18
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG23	6	0.18
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG21	15	0.18
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG22	15	0.18
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG23	15	0.18
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG21	6	0.18
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG22	6	0.18
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG23	6	0.18
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG21	15	0.18
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG22	15	0.18
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG23	15	0.18
(1,1035)	1:57:A:LEU:HD11	1:45:B:LYS:H	1	0.18
(1,1035)	1:57:A:LEU:HD12	1:45:B:LYS:H	1	0.18
(1,1035)	1:57:A:LEU:HD13	1:45:B:LYS:H	1	0.18
(1,1033)	1:71:B:THR:H	1:69:B:TRP:H	9	0.18
(1,1033)	1:71:B:THR:H	1:69:B:TRP:H	16	0.18
(1,1033)	1:71:B:THR:H	1:69:B:TRP:H	20	0.18
(1,1032)	1:71:A:THR:H	1:69:A:TRP:H	9	0.18
(1,1032)	1:71:A:THR:H	1:69:A:TRP:H	20	0.18
(1,980)	1:25:A:THR:HG21	1:27:A:GLN:H	8	0.18
(1,980)	1:25:A:THR:HG22	1:27:A:GLN:H	8	0.18
(1,980)	1:25:A:THR:HG23	1:27:A:GLN:H	8	0.18
(1,894)	1:25:A:THR:HG21	1:25:A:THR:H	5	0.18
(1,894)	1:25:A:THR:HG22	1:25:A:THR:H	5	0.18
(1,894)	1:25:A:THR:HG23	1:25:A:THR:H	5	0.18
(1,894)	1:25:A:THR:HG21	1:25:A:THR:H	13	0.18
(1,894)	1:25:A:THR:HG22	1:25:A:THR:H	13	0.18
(1,894)	1:25:A:THR:HG23	1:25:A:THR:H	13	0.18
(1,894)	1:25:A:THR:HG21	1:25:A:THR:H	14	0.18
(1,894)	1:25:A:THR:HG22	1:25:A:THR:H	14	0.18
(1,894)	1:25:A:THR:HG23	1:25:A:THR:H	14	0.18
(1,893)	1:25:B:THR:HG21	1:25:B:THR:H	13	0.18
(1,893)	1:25:B:THR:HG22	1:25:B:THR:H	13	0.18
(1,893)	1:25:B:THR:HG23	1:25:B:THR:H	13	0.18
(1,893)	1:25:B:THR:HG21	1:25:B:THR:H	14	0.18
(1,893)	1:25:B:THR:HG22	1:25:B:THR:H	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,893)	1:25:B:THR:HG23	1:25:B:THR:H	14	0.18
(1,848)	1:28:B:GLN:HB3	1:29:B:LEU:H	5	0.18
(1,847)	1:28:A:GLN:HB3	1:29:A:LEU:H	5	0.18
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG21	11	0.18
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG22	11	0.18
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG23	11	0.18
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG21	11	0.18
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG22	11	0.18
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG23	11	0.18
(1,712)	1:70:A:GLY:H	1:65:A:ILE:H	2	0.18
(1,692)	1:54:A:LEU:HA	1:58:A:THR:H	17	0.18
(1,679)	1:54:A:LEU:HG	1:54:A:LEU:HA	4	0.18
(1,679)	1:54:A:LEU:HG	1:54:A:LEU:HA	19	0.18
(1,678)	1:54:B:LEU:HG	1:54:B:LEU:HA	4	0.18
(1,678)	1:54:B:LEU:HG	1:54:B:LEU:HA	19	0.18
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD11	19	0.18
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD12	19	0.18
(1,621)	1:77:B:ALA:HA	1:72:B:ILE:HD13	19	0.18
(1,516)	1:79:A:ASN:H	1:77:A:ALA:H	1	0.18
(1,514)	1:26:B:VAL:HA	1:28:B:GLN:H	4	0.18
(1,513)	1:26:A:VAL:HA	1:28:A:GLN:H	4	0.18
(1,481)	1:93:B:ASN:HD21	1:92:B:LEU:H	2	0.18
(1,481)	1:93:B:ASN:HD21	1:92:B:LEU:H	20	0.18
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB1	1	0.18
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB2	1	0.18
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB3	1	0.18
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB1	1	0.18
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB2	1	0.18
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB3	1	0.18
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB1	1	0.18
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB2	1	0.18
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB3	1	0.18
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB1	1	0.18
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB2	1	0.18
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB3	1	0.18
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB1	1	0.18
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB2	1	0.18
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB3	1	0.18
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB1	1	0.18
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB2	1	0.18
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB3	1	0.18
(1,418)	1:57:A:LEU:HD11	1:59:A:ILE:H	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,418)	1:57:A:LEU:HD12	1:59:A:ILE:H	8	0.18
(1,418)	1:57:A:LEU:HD13	1:59:A:ILE:H	8	0.18
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB1	4	0.18
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB2	4	0.18
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB3	4	0.18
(1,333)	1:62:A:THR:HG21	1:64:A:GLY:HA2	14	0.18
(1,333)	1:62:A:THR:HG22	1:64:A:GLY:HA2	14	0.18
(1,333)	1:62:A:THR:HG23	1:64:A:GLY:HA2	14	0.18
(1,256)	1:83:A:GLY:HA2	1:86:A:LYS:HD3	15	0.18
(1,189)	1:96:B:ASN:HA	1:92:B:LEU:HA	18	0.18
(1,189)	1:96:B:ASN:HA	1:92:B:LEU:HA	20	0.18
(1,188)	1:96:A:ASN:HA	1:92:A:LEU:HA	18	0.18
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD21	18	0.18
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD22	18	0.18
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD23	18	0.18
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD21	18	0.18
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD22	18	0.18
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD23	18	0.18
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD21	18	0.18
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD22	18	0.18
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD23	18	0.18
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD21	3	0.18
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD22	3	0.18
(1,128)	1:48:A:MET:H	1:44:A:LEU:HD23	3	0.18
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD21	3	0.18
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD22	3	0.18
(1,127)	1:48:B:MET:H	1:44:B:LEU:HD23	3	0.18
(1,126)	1:69:A:TRP:HZ2	1:94:B:ILE:H	10	0.18
(1,106)	1:69:B:TRP:HD1	1:72:B:ILE:HD11	5	0.18
(1,106)	1:69:B:TRP:HD1	1:72:B:ILE:HD12	5	0.18
(1,106)	1:69:B:TRP:HD1	1:72:B:ILE:HD13	5	0.18
(1,105)	1:69:A:TRP:HD1	1:72:A:ILE:HD11	5	0.18
(1,105)	1:69:A:TRP:HD1	1:72:A:ILE:HD12	5	0.18
(1,105)	1:69:A:TRP:HD1	1:72:A:ILE:HD13	5	0.18
(1,85)	1:69:A:TRP:HH2	1:91:B:MET:HA	15	0.18
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG21	9	0.18
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG22	9	0.18
(1,14)	1:32:B:ARG:H	1:30:B:THR:HG23	9	0.18
(1,1)	1:57:A:LEU:HD11	1:45:B:LYS:H	1	0.18
(1,1)	1:57:A:LEU:HD12	1:45:B:LYS:H	1	0.18
(1,1)	1:57:A:LEU:HD13	1:45:B:LYS:H	1	0.18
(2,322)	1:67:B:LYS:HA	1:67:B:LYS:HD2	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,247)	1:72:A:ILE:HG12	1:72:A:ILE:HB	2	0.17
(2,197)	1:49:A:ALA:H	1:48:A:MET:HG2	2	0.17
(2,187)	1:76:A:LYS:HB3	1:76:A:LYS:H	15	0.17
(2,177)	1:69:B:TRP:H	1:68:B:ARG:HB2	6	0.17
(2,177)	1:69:B:TRP:H	1:68:B:ARG:HB2	17	0.17
(2,162)	1:76:B:LYS:H	1:76:B:LYS:HE2	8	0.17
(2,118)	1:76:B:LYS:H	1:73:B:LYS:HD2	4	0.17
(2,63)	1:60:B:PRO:HA	1:60:B:PRO:HD3	13	0.17
(1,3482)	1:94:B:ILE:HB	1:92:B:LEU:H	5	0.17
(1,3481)	1:94:A:ILE:HB	1:92:A:LEU:H	5	0.17
(1,3414)	1:69:B:TRP:HE1	1:66:B:LEU:HA	12	0.17
(1,3413)	1:69:A:TRP:HE1	1:66:A:LEU:HA	12	0.17
(1,3410)	1:94:A:ILE:HA	1:97:A:ARG:HB2	17	0.17
(1,3404)	1:29:B:LEU:H	1:30:B:THR:HA	11	0.17
(1,3403)	1:29:A:LEU:H	1:30:A:THR:HA	19	0.17
(1,3399)	1:25:B:THR:HG21	1:28:B:GLN:HE21	2	0.17
(1,3399)	1:25:B:THR:HG22	1:28:B:GLN:HE21	2	0.17
(1,3399)	1:25:B:THR:HG23	1:28:B:GLN:HE21	2	0.17
(1,3386)	1:77:A:ALA:HB1	1:95:B:LEU:HB2	8	0.17
(1,3386)	1:77:A:ALA:HB2	1:95:B:LEU:HB2	8	0.17
(1,3386)	1:77:A:ALA:HB3	1:95:B:LEU:HB2	8	0.17
(1,3342)	1:86:A:LYS:HA	1:89:A:GLY:HA2	3	0.17
(1,3338)	1:77:B:ALA:HB1	1:78:B:ILE:HB	12	0.17
(1,3338)	1:77:B:ALA:HB2	1:78:B:ILE:HB	12	0.17
(1,3338)	1:77:B:ALA:HB3	1:78:B:ILE:HB	12	0.17
(1,3337)	1:77:A:ALA:HB1	1:78:A:ILE:HB	12	0.17
(1,3337)	1:77:A:ALA:HB2	1:78:A:ILE:HB	12	0.17
(1,3337)	1:77:A:ALA:HB3	1:78:A:ILE:HB	12	0.17
(1,3325)	1:76:A:LYS:H	1:76:A:LYS:HG3	13	0.17
(1,3321)	1:88:B:ILE:HA	1:90:B:ARG:H	12	0.17
(1,3320)	1:88:A:ILE:HA	1:90:A:ARG:H	12	0.17
(1,3280)	1:88:B:ILE:HG12	1:52:A:ALA:HA	17	0.17
(1,3279)	1:88:A:ILE:HG12	1:52:B:ALA:HA	9	0.17
(1,3189)	1:66:A:LEU:HD11	1:60:A:PRO:HA	12	0.17
(1,3189)	1:66:A:LEU:HD12	1:60:A:PRO:HA	12	0.17
(1,3189)	1:66:A:LEU:HD13	1:60:A:PRO:HA	12	0.17
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD11	15	0.17
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD12	15	0.17
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD13	15	0.17
(1,3086)	1:67:A:LYS:HA	1:67:A:LYS:HD2	1	0.17
(1,3028)	1:76:A:LYS:H	1:76:A:LYS:HE2	8	0.17
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD11	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD12	16	0.17
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD13	16	0.17
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD11	16	0.17
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD12	16	0.17
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD13	16	0.17
(1,2966)	1:80:A:VAL:HG21	1:84:A:PHE:HB2	14	0.17
(1,2966)	1:80:A:VAL:HG22	1:84:A:PHE:HB2	14	0.17
(1,2966)	1:80:A:VAL:HG23	1:84:A:PHE:HB2	14	0.17
(1,2965)	1:78:A:ILE:HA	1:82:A:ARG:H	6	0.17
(1,2965)	1:78:A:ILE:HA	1:82:A:ARG:H	12	0.17
(1,2965)	1:78:A:ILE:HA	1:82:A:ARG:H	14	0.17
(1,2964)	1:78:B:ILE:HA	1:82:B:ARG:H	12	0.17
(1,2964)	1:78:B:ILE:HA	1:82:B:ARG:H	14	0.17
(1,2951)	1:80:A:VAL:HA	1:79:A:ASN:HB3	1	0.17
(1,2951)	1:80:A:VAL:HA	1:79:A:ASN:HB3	9	0.17
(1,2950)	1:80:B:VAL:HA	1:79:B:ASN:HB3	1	0.17
(1,2950)	1:80:B:VAL:HA	1:79:B:ASN:HB3	9	0.17
(1,2950)	1:80:B:VAL:HA	1:79:B:ASN:HB3	12	0.17
(1,2941)	1:71:A:THR:H	1:44:A:LEU:HD21	8	0.17
(1,2941)	1:71:A:THR:H	1:44:A:LEU:HD22	8	0.17
(1,2941)	1:71:A:THR:H	1:44:A:LEU:HD23	8	0.17
(1,2940)	1:71:B:THR:H	1:44:B:LEU:HD21	8	0.17
(1,2940)	1:71:B:THR:H	1:44:B:LEU:HD22	8	0.17
(1,2940)	1:71:B:THR:H	1:44:B:LEU:HD23	8	0.17
(1,2874)	1:88:B:ILE:HB	1:89:B:GLY:HA2	18	0.17
(1,2873)	1:88:A:ILE:HB	1:89:A:GLY:HA2	18	0.17
(1,2848)	1:89:B:GLY:H	1:86:B:LYS:HA	4	0.17
(1,2848)	1:89:B:GLY:H	1:86:B:LYS:HA	6	0.17
(1,2847)	1:89:A:GLY:H	1:86:A:LYS:HA	4	0.17
(1,2847)	1:89:A:GLY:H	1:86:A:LYS:HA	6	0.17
(1,2757)	1:88:A:ILE:HD11	1:85:B:ARG:HA	1	0.17
(1,2757)	1:88:A:ILE:HD12	1:85:B:ARG:HA	1	0.17
(1,2757)	1:88:A:ILE:HD13	1:85:B:ARG:HA	1	0.17
(1,2745)	1:99:A:ARG:HD3	1:99:A:ARG:HB3	10	0.17
(1,2745)	1:99:A:ARG:HD3	1:99:A:ARG:HB3	16	0.17
(1,2744)	1:99:B:ARG:HD3	1:99:B:ARG:HB3	16	0.17
(1,2737)	1:78:B:ILE:HA	1:77:B:ALA:H	9	0.17
(1,2736)	1:78:A:ILE:HA	1:77:A:ALA:H	9	0.17
(1,2693)	1:57:A:LEU:H	1:54:A:LEU:HA	7	0.17
(1,2626)	1:45:A:LYS:HE3	1:56:B:PHE:HA	12	0.17
(1,2604)	1:82:A:ARG:HA	1:85:A:ARG:HD3	10	0.17
(1,2604)	1:82:A:ARG:HA	1:85:A:ARG:HD3	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2603)	1:82:B:ARG:HA	1:85:B:ARG:HD3	15	0.17
(1,2600)	1:90:B:ARG:HA	1:93:B:ASN:HB3	2	0.17
(1,2600)	1:90:B:ARG:HA	1:93:B:ASN:HB3	11	0.17
(1,2599)	1:90:A:ARG:HA	1:93:A:ASN:HB3	2	0.17
(1,2599)	1:90:A:ARG:HA	1:93:A:ASN:HB3	11	0.17
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG21	18	0.17
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG22	18	0.17
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG23	18	0.17
(1,2491)	1:23:B:VAL:HG11	1:24:B:SER:H	3	0.17
(1,2491)	1:23:B:VAL:HG12	1:24:B:SER:H	3	0.17
(1,2491)	1:23:B:VAL:HG13	1:24:B:SER:H	3	0.17
(1,2438)	1:86:A:LYS:HA	1:86:A:LYS:HG3	1	0.17
(1,2420)	1:45:A:LYS:HE2	1:56:B:PHE:HA	18	0.17
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG11	2	0.17
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG12	2	0.17
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG13	2	0.17
(1,2355)	1:27:B:GLN:HA	1:29:B:LEU:H	16	0.17
(1,2354)	1:27:A:GLN:HA	1:29:A:LEU:H	16	0.17
(1,2327)	1:64:A:GLY:HA3	1:67:A:LYS:H	8	0.17
(1,2326)	1:64:B:GLY:HA3	1:67:B:LYS:H	8	0.17
(1,2325)	1:78:B:ILE:HA	1:92:A:LEU:HA	12	0.17
(1,2317)	1:72:A:ILE:HD11	1:44:A:LEU:HG	8	0.17
(1,2317)	1:72:A:ILE:HD12	1:44:A:LEU:HG	8	0.17
(1,2317)	1:72:A:ILE:HD13	1:44:A:LEU:HG	8	0.17
(1,2316)	1:72:B:ILE:HD11	1:44:B:LEU:HG	8	0.17
(1,2316)	1:72:B:ILE:HD12	1:44:B:LEU:HG	8	0.17
(1,2316)	1:72:B:ILE:HD13	1:44:B:LEU:HG	8	0.17
(1,2246)	1:45:B:LYS:HA	1:45:B:LYS:HB3	3	0.17
(1,2246)	1:45:B:LYS:HA	1:45:B:LYS:HB3	8	0.17
(1,2246)	1:45:B:LYS:HA	1:45:B:LYS:HB3	20	0.17
(1,2245)	1:45:A:LYS:HA	1:45:A:LYS:HB3	3	0.17
(1,2245)	1:45:A:LYS:HA	1:45:A:LYS:HB3	20	0.17
(1,2228)	1:43:A:PRO:HB2	1:44:A:LEU:H	11	0.17
(1,2219)	1:91:A:MET:HG3	1:88:A:ILE:HA	4	0.17
(1,2206)	1:65:A:ILE:HD11	1:50:A:LEU:HD11	12	0.17
(1,2206)	1:65:A:ILE:HD11	1:50:A:LEU:HD12	12	0.17
(1,2206)	1:65:A:ILE:HD11	1:50:A:LEU:HD13	12	0.17
(1,2206)	1:65:A:ILE:HD12	1:50:A:LEU:HD11	12	0.17
(1,2206)	1:65:A:ILE:HD12	1:50:A:LEU:HD12	12	0.17
(1,2206)	1:65:A:ILE:HD12	1:50:A:LEU:HD13	12	0.17
(1,2206)	1:65:A:ILE:HD13	1:50:A:LEU:HD11	12	0.17
(1,2206)	1:65:A:ILE:HD13	1:50:A:LEU:HD12	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2206)	1:65:A:ILE:HD13	1:50:A:LEU:HD13	12	0.17
(1,2205)	1:65:B:ILE:HD11	1:50:B:LEU:HD11	12	0.17
(1,2205)	1:65:B:ILE:HD11	1:50:B:LEU:HD12	12	0.17
(1,2205)	1:65:B:ILE:HD11	1:50:B:LEU:HD13	12	0.17
(1,2205)	1:65:B:ILE:HD12	1:50:B:LEU:HD11	12	0.17
(1,2205)	1:65:B:ILE:HD12	1:50:B:LEU:HD12	12	0.17
(1,2205)	1:65:B:ILE:HD12	1:50:B:LEU:HD13	12	0.17
(1,2205)	1:65:B:ILE:HD13	1:50:B:LEU:HD11	12	0.17
(1,2205)	1:65:B:ILE:HD13	1:50:B:LEU:HD12	12	0.17
(1,2205)	1:65:B:ILE:HD13	1:50:B:LEU:HD13	12	0.17
(1,2096)	1:23:B:VAL:HG11	1:24:B:SER:H	2	0.17
(1,2096)	1:23:B:VAL:HG12	1:24:B:SER:H	2	0.17
(1,2096)	1:23:B:VAL:HG13	1:24:B:SER:H	2	0.17
(1,2096)	1:23:B:VAL:HG11	1:24:B:SER:H	3	0.17
(1,2096)	1:23:B:VAL:HG12	1:24:B:SER:H	3	0.17
(1,2096)	1:23:B:VAL:HG13	1:24:B:SER:H	3	0.17
(1,2086)	1:92:A:LEU:HG	1:93:A:ASN:H	2	0.17
(1,2086)	1:92:A:LEU:HG	1:93:A:ASN:H	4	0.17
(1,2086)	1:92:A:LEU:HG	1:93:A:ASN:H	5	0.17
(1,2086)	1:92:A:LEU:HG	1:93:A:ASN:H	9	0.17
(1,2086)	1:92:A:LEU:HG	1:93:A:ASN:H	12	0.17
(1,2086)	1:92:A:LEU:HG	1:93:A:ASN:H	19	0.17
(1,2085)	1:92:B:LEU:HG	1:93:B:ASN:H	2	0.17
(1,2085)	1:92:B:LEU:HG	1:93:B:ASN:H	9	0.17
(1,2085)	1:92:B:LEU:HG	1:93:B:ASN:H	12	0.17
(1,2085)	1:92:B:LEU:HG	1:93:B:ASN:H	16	0.17
(1,2069)	1:68:A:ARG:H	1:68:A:ARG:HB2	19	0.17
(1,2058)	1:49:B:ALA:H	1:52:B:ALA:H	15	0.17
(1,2057)	1:49:A:ALA:H	1:52:A:ALA:H	13	0.17
(1,2057)	1:49:A:ALA:H	1:52:A:ALA:H	15	0.17
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE1	19	0.17
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE2	19	0.17
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE1	3	0.17
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE2	3	0.17
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE1	19	0.17
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE2	19	0.17
(1,2011)	1:95:A:LEU:HD11	1:94:A:ILE:HD11	12	0.17
(1,2011)	1:95:A:LEU:HD11	1:94:A:ILE:HD12	12	0.17
(1,2011)	1:95:A:LEU:HD11	1:94:A:ILE:HD13	12	0.17
(1,2011)	1:95:A:LEU:HD12	1:94:A:ILE:HD11	12	0.17
(1,2011)	1:95:A:LEU:HD12	1:94:A:ILE:HD12	12	0.17
(1,2011)	1:95:A:LEU:HD12	1:94:A:ILE:HD13	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2011)	1:95:A:LEU:HD13	1:94:A:ILE:HD11	12	0.17
(1,2011)	1:95:A:LEU:HD13	1:94:A:ILE:HD12	12	0.17
(1,2011)	1:95:A:LEU:HD13	1:94:A:ILE:HD13	12	0.17
(1,2010)	1:95:B:LEU:HD11	1:94:B:ILE:HD11	12	0.17
(1,2010)	1:95:B:LEU:HD11	1:94:B:ILE:HD12	12	0.17
(1,2010)	1:95:B:LEU:HD11	1:94:B:ILE:HD13	12	0.17
(1,2010)	1:95:B:LEU:HD12	1:94:B:ILE:HD11	12	0.17
(1,2010)	1:95:B:LEU:HD12	1:94:B:ILE:HD12	12	0.17
(1,2010)	1:95:B:LEU:HD12	1:94:B:ILE:HD13	12	0.17
(1,2010)	1:95:B:LEU:HD13	1:94:B:ILE:HD11	12	0.17
(1,2010)	1:95:B:LEU:HD13	1:94:B:ILE:HD12	12	0.17
(1,2010)	1:95:B:LEU:HD13	1:94:B:ILE:HD13	12	0.17
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD21	3	0.17
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD22	3	0.17
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD23	3	0.17
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD21	3	0.17
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD22	3	0.17
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD23	3	0.17
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD21	13	0.17
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD22	13	0.17
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD23	13	0.17
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD21	13	0.17
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD22	13	0.17
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD23	13	0.17
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD21	13	0.17
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD22	13	0.17
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD23	13	0.17
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD21	13	0.17
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD22	13	0.17
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD23	13	0.17
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD21	13	0.17
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD22	13	0.17
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD23	13	0.17
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD21	13	0.17
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD22	13	0.17
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD23	13	0.17
(1,1890)	1:94:B:ILE:HG21	1:69:A:TRP:HE1	11	0.17
(1,1890)	1:94:B:ILE:HG22	1:69:A:TRP:HE1	11	0.17
(1,1890)	1:94:B:ILE:HG23	1:69:A:TRP:HE1	11	0.17
(1,1859)	1:62:A:THR:HB	1:63:A:ALA:H	15	0.17
(1,1858)	1:62:B:THR:HB	1:63:B:ALA:H	15	0.17
(1,1847)	1:22:A:ARG:HA	1:21:A:ASN:HA	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1847)	1:22:A:ARG:HA	1:21:A:ASN:HA	6	0.17
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD21	6	0.17
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD22	6	0.17
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD23	6	0.17
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD21	6	0.17
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD22	6	0.17
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD23	6	0.17
(1,1814)	1:81:A:LEU:H	1:77:A:ALA:HA	2	0.17
(1,1813)	1:81:B:LEU:H	1:77:B:ALA:HA	2	0.17
(1,1740)	1:82:B:ARG:HA	1:85:B:ARG:H	14	0.17
(1,1739)	1:82:A:ARG:HA	1:85:A:ARG:H	14	0.17
(1,1711)	1:82:B:ARG:HA	1:85:B:ARG:HD3	7	0.17
(1,1710)	1:82:A:ARG:HA	1:85:A:ARG:HD3	7	0.17
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD11	16	0.17
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD12	16	0.17
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD13	16	0.17
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD11	16	0.17
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD12	16	0.17
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD13	16	0.17
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD11	16	0.17
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD12	16	0.17
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD13	16	0.17
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD11	19	0.17
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD12	19	0.17
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD13	19	0.17
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD11	19	0.17
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD12	19	0.17
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD13	19	0.17
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD11	19	0.17
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD12	19	0.17
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD13	19	0.17
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD11	16	0.17
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD12	16	0.17
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD13	16	0.17
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD11	16	0.17
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD12	16	0.17
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD13	16	0.17
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD11	16	0.17
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD12	16	0.17
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD13	16	0.17
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD11	19	0.17
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD12	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD13	19	0.17
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD11	19	0.17
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD12	19	0.17
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD13	19	0.17
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD11	19	0.17
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD12	19	0.17
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD13	19	0.17
(1,1701)	1:84:B:PHE:HA	1:87:B:GLU:H	1	0.17
(1,1698)	1:81:A:LEU:H	1:84:A:PHE:HB2	18	0.17
(1,1665)	1:95:B:LEU:HG	1:92:B:LEU:HA	7	0.17
(1,1665)	1:95:B:LEU:HG	1:92:B:LEU:HA	9	0.17
(1,1662)	1:78:B:ILE:HG21	1:79:B:ASN:HD21	1	0.17
(1,1662)	1:78:B:ILE:HG22	1:79:B:ASN:HD21	1	0.17
(1,1662)	1:78:B:ILE:HG23	1:79:B:ASN:HD21	1	0.17
(1,1652)	1:69:A:TRP:HA	1:67:A:LYS:H	1	0.17
(1,1652)	1:69:A:TRP:HA	1:67:A:LYS:H	15	0.17
(1,1649)	1:95:A:LEU:HD11	1:92:A:LEU:HA	16	0.17
(1,1649)	1:95:A:LEU:HD12	1:92:A:LEU:HA	16	0.17
(1,1649)	1:95:A:LEU:HD13	1:92:A:LEU:HA	16	0.17
(1,1641)	1:94:A:ILE:H	1:93:A:ASN:HD21	14	0.17
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG11	18	0.17
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG12	18	0.17
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG13	18	0.17
(1,1459)	1:60:A:PRO:HA	1:60:A:PRO:HD3	13	0.17
(1,1447)	1:91:A:MET:HA	1:94:A:ILE:H	8	0.17
(1,1374)	1:80:A:VAL:HG21	1:48:A:MET:H	17	0.17
(1,1374)	1:80:A:VAL:HG22	1:48:A:MET:H	17	0.17
(1,1374)	1:80:A:VAL:HG23	1:48:A:MET:H	17	0.17
(1,1332)	1:45:A:LYS:HG2	1:45:A:LYS:H	12	0.17
(1,1290)	1:74:A:LYS:HA	1:72:A:ILE:HD11	12	0.17
(1,1290)	1:74:A:LYS:HA	1:72:A:ILE:HD12	12	0.17
(1,1290)	1:74:A:LYS:HA	1:72:A:ILE:HD13	12	0.17
(1,1287)	1:77:B:ALA:H	1:76:B:LYS:H	15	0.17
(1,1251)	1:43:B:PRO:HB3	1:43:B:PRO:HD3	1	0.17
(1,1251)	1:43:B:PRO:HB3	1:43:B:PRO:HD3	5	0.17
(1,1251)	1:43:B:PRO:HB3	1:43:B:PRO:HD3	9	0.17
(1,1251)	1:43:B:PRO:HB3	1:43:B:PRO:HD3	10	0.17
(1,1251)	1:43:B:PRO:HB3	1:43:B:PRO:HD3	15	0.17
(1,1250)	1:43:A:PRO:HB3	1:43:A:PRO:HD3	1	0.17
(1,1250)	1:43:A:PRO:HB3	1:43:A:PRO:HD3	4	0.17
(1,1250)	1:43:A:PRO:HB3	1:43:A:PRO:HD3	5	0.17
(1,1250)	1:43:A:PRO:HB3	1:43:A:PRO:HD3	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1250)	1:43:A:PRO:HB3	1:43:A:PRO:HD3	9	0.17
(1,1250)	1:43:A:PRO:HB3	1:43:A:PRO:HD3	10	0.17
(1,1250)	1:43:A:PRO:HB3	1:43:A:PRO:HD3	14	0.17
(1,1250)	1:43:A:PRO:HB3	1:43:A:PRO:HD3	15	0.17
(1,1244)	1:62:B:THR:HB	1:64:B:GLY:H	9	0.17
(1,1225)	1:43:A:PRO:HD2	1:43:A:PRO:HA	12	0.17
(1,1225)	1:43:A:PRO:HD2	1:43:A:PRO:HA	18	0.17
(1,1224)	1:43:B:PRO:HD2	1:43:B:PRO:HA	12	0.17
(1,1207)	1:72:B:ILE:HG12	1:72:B:ILE:HB	2	0.17
(1,1199)	1:58:B:THR:HA	1:58:B:THR:H	10	0.17
(1,1198)	1:58:A:THR:HA	1:58:A:THR:H	10	0.17
(1,1195)	1:42:A:GLY:HA2	1:43:A:PRO:HG3	20	0.17
(1,1175)	1:94:A:ILE:HA	1:97:A:ARG:H	5	0.17
(1,1174)	1:94:B:ILE:HA	1:97:B:ARG:H	5	0.17
(1,1149)	1:41:A:ARG:HB2	1:42:A:GLY:H	8	0.17
(1,1148)	1:41:B:ARG:HB2	1:42:B:GLY:H	17	0.17
(1,1147)	1:25:B:THR:HG21	1:24:B:SER:HA	11	0.17
(1,1147)	1:25:B:THR:HG22	1:24:B:SER:HA	11	0.17
(1,1147)	1:25:B:THR:HG23	1:24:B:SER:HA	11	0.17
(1,1146)	1:25:A:THR:HG21	1:24:A:SER:HA	11	0.17
(1,1146)	1:25:A:THR:HG22	1:24:A:SER:HA	11	0.17
(1,1146)	1:25:A:THR:HG23	1:24:A:SER:HA	11	0.17
(1,1143)	1:83:A:GLY:HA2	1:86:A:LYS:HB2	9	0.17
(1,1115)	1:92:B:LEU:HD21	1:82:A:ARG:H	12	0.17
(1,1115)	1:92:B:LEU:HD22	1:82:A:ARG:H	12	0.17
(1,1115)	1:92:B:LEU:HD23	1:82:A:ARG:H	12	0.17
(1,1099)	1:55:A:ARG:HA	1:59:A:ILE:HA	3	0.17
(1,1098)	1:55:B:ARG:HA	1:59:B:ILE:HA	3	0.17
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD11	1	0.17
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD12	1	0.17
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD13	1	0.17
(1,1059)	1:81:A:LEU:H	1:81:A:LEU:HD11	12	0.17
(1,1059)	1:81:A:LEU:H	1:81:A:LEU:HD12	12	0.17
(1,1059)	1:81:A:LEU:H	1:81:A:LEU:HD13	12	0.17
(1,1056)	1:46:B:LEU:H	1:43:B:PRO:HD3	17	0.17
(1,1032)	1:71:A:THR:H	1:69:A:TRP:H	1	0.17
(1,1032)	1:71:A:THR:H	1:69:A:TRP:H	16	0.17
(1,979)	1:25:B:THR:HG21	1:27:B:GLN:H	8	0.17
(1,979)	1:25:B:THR:HG22	1:27:B:GLN:H	8	0.17
(1,979)	1:25:B:THR:HG23	1:27:B:GLN:H	8	0.17
(1,976)	1:54:A:LEU:H	1:54:A:LEU:HB2	3	0.17
(1,975)	1:54:B:LEU:H	1:54:B:LEU:HB2	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD11	12	0.17
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD12	12	0.17
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD13	12	0.17
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD11	12	0.17
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD12	12	0.17
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD13	12	0.17
(1,894)	1:25:A:THR:HG21	1:25:A:THR:H	7	0.17
(1,894)	1:25:A:THR:HG22	1:25:A:THR:H	7	0.17
(1,894)	1:25:A:THR:HG23	1:25:A:THR:H	7	0.17
(1,894)	1:25:A:THR:HG21	1:25:A:THR:H	9	0.17
(1,894)	1:25:A:THR:HG22	1:25:A:THR:H	9	0.17
(1,894)	1:25:A:THR:HG23	1:25:A:THR:H	9	0.17
(1,893)	1:25:B:THR:HG21	1:25:B:THR:H	5	0.17
(1,893)	1:25:B:THR:HG22	1:25:B:THR:H	5	0.17
(1,893)	1:25:B:THR:HG23	1:25:B:THR:H	5	0.17
(1,893)	1:25:B:THR:HG21	1:25:B:THR:H	7	0.17
(1,893)	1:25:B:THR:HG22	1:25:B:THR:H	7	0.17
(1,893)	1:25:B:THR:HG23	1:25:B:THR:H	7	0.17
(1,893)	1:25:B:THR:HG21	1:25:B:THR:H	9	0.17
(1,893)	1:25:B:THR:HG22	1:25:B:THR:H	9	0.17
(1,893)	1:25:B:THR:HG23	1:25:B:THR:H	9	0.17
(1,850)	1:95:B:LEU:H	1:93:B:ASN:HA	2	0.17
(1,849)	1:95:A:LEU:H	1:93:A:ASN:HA	2	0.17
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG21	5	0.17
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG22	5	0.17
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG23	5	0.17
(1,797)	1:59:A:ILE:HB	1:60:A:PRO:HD3	7	0.17
(1,797)	1:59:A:ILE:HB	1:60:A:PRO:HD2	13	0.17
(1,796)	1:59:B:ILE:HB	1:60:B:PRO:HD3	7	0.17
(1,796)	1:59:B:ILE:HB	1:60:B:PRO:HD2	13	0.17
(1,776)	1:88:A:ILE:H	1:89:A:GLY:HA2	16	0.17
(1,742)	1:77:B:ALA:H	1:80:B:VAL:H	13	0.17
(1,741)	1:77:A:ALA:H	1:80:A:VAL:H	13	0.17
(1,721)	1:58:B:THR:HG21	1:59:B:ILE:HD11	13	0.17
(1,721)	1:58:B:THR:HG21	1:59:B:ILE:HD12	13	0.17
(1,721)	1:58:B:THR:HG21	1:59:B:ILE:HD13	13	0.17
(1,721)	1:58:B:THR:HG22	1:59:B:ILE:HD11	13	0.17
(1,721)	1:58:B:THR:HG22	1:59:B:ILE:HD12	13	0.17
(1,721)	1:58:B:THR:HG22	1:59:B:ILE:HD13	13	0.17
(1,721)	1:58:B:THR:HG23	1:59:B:ILE:HD11	13	0.17
(1,721)	1:58:B:THR:HG23	1:59:B:ILE:HD12	13	0.17
(1,721)	1:58:B:THR:HG23	1:59:B:ILE:HD13	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,720)	1:58:A:THR:HG21	1:59:A:ILE:HD11	13	0.17
(1,720)	1:58:A:THR:HG21	1:59:A:ILE:HD12	13	0.17
(1,720)	1:58:A:THR:HG21	1:59:A:ILE:HD13	13	0.17
(1,720)	1:58:A:THR:HG22	1:59:A:ILE:HD11	13	0.17
(1,720)	1:58:A:THR:HG22	1:59:A:ILE:HD12	13	0.17
(1,720)	1:58:A:THR:HG22	1:59:A:ILE:HD13	13	0.17
(1,720)	1:58:A:THR:HG23	1:59:A:ILE:HD11	13	0.17
(1,720)	1:58:A:THR:HG23	1:59:A:ILE:HD12	13	0.17
(1,720)	1:58:A:THR:HG23	1:59:A:ILE:HD13	13	0.17
(1,713)	1:70:B:GLY:H	1:65:B:ILE:H	2	0.17
(1,705)	1:79:A:ASN:H	1:79:A:ASN:HB2	5	0.17
(1,705)	1:79:A:ASN:H	1:79:A:ASN:HB2	11	0.17
(1,704)	1:79:B:ASN:H	1:79:B:ASN:HB2	5	0.17
(1,704)	1:79:B:ASN:H	1:79:B:ASN:HB2	11	0.17
(1,693)	1:54:B:LEU:HA	1:58:B:THR:H	17	0.17
(1,687)	1:38:B:LEU:HA	1:38:B:LEU:HD21	12	0.17
(1,687)	1:38:B:LEU:HA	1:38:B:LEU:HD22	12	0.17
(1,687)	1:38:B:LEU:HA	1:38:B:LEU:HD23	12	0.17
(1,686)	1:38:A:LEU:HA	1:38:A:LEU:HD21	12	0.17
(1,686)	1:38:A:LEU:HA	1:38:A:LEU:HD22	12	0.17
(1,686)	1:38:A:LEU:HA	1:38:A:LEU:HD23	12	0.17
(1,679)	1:54:A:LEU:HG	1:54:A:LEU:HA	11	0.17
(1,679)	1:54:A:LEU:HG	1:54:A:LEU:HA	12	0.17
(1,678)	1:54:B:LEU:HG	1:54:B:LEU:HA	11	0.17
(1,678)	1:54:B:LEU:HG	1:54:B:LEU:HA	12	0.17
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD11	19	0.17
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD12	19	0.17
(1,620)	1:77:A:ALA:HA	1:72:A:ILE:HD13	19	0.17
(1,534)	1:92:B:LEU:HD11	1:82:A:ARG:HA	14	0.17
(1,534)	1:92:B:LEU:HD12	1:82:A:ARG:HA	14	0.17
(1,534)	1:92:B:LEU:HD13	1:82:A:ARG:HA	14	0.17
(1,528)	1:32:A:ARG:H	1:31:A:LYS:HA	20	0.17
(1,527)	1:32:B:ARG:H	1:31:B:LYS:HA	20	0.17
(1,515)	1:79:B:ASN:H	1:77:B:ALA:H	1	0.17
(1,515)	1:79:B:ASN:H	1:77:B:ALA:H	10	0.17
(1,515)	1:79:B:ASN:H	1:77:B:ALA:H	17	0.17
(1,497)	1:26:B:VAL:HG11	1:28:B:GLN:H	3	0.17
(1,497)	1:26:B:VAL:HG12	1:28:B:GLN:H	3	0.17
(1,497)	1:26:B:VAL:HG13	1:28:B:GLN:H	3	0.17
(1,442)	1:74:B:LYS:HB2	1:75:B:SER:HB3	16	0.17
(1,441)	1:74:A:LYS:HB2	1:75:A:SER:HB3	16	0.17
(1,422)	1:69:B:TRP:H	1:68:B:ARG:HA	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:69:A:TRP:H	1:68:A:ARG:HA	8	0.17
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB1	13	0.17
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB2	13	0.17
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB3	13	0.17
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB1	4	0.17
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB2	4	0.17
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB3	4	0.17
(1,362)	1:76:B:LYS:HB3	1:76:B:LYS:H	15	0.17
(1,332)	1:62:B:THR:HG21	1:64:B:GLY:HA2	14	0.17
(1,332)	1:62:B:THR:HG22	1:64:B:GLY:HA2	14	0.17
(1,332)	1:62:B:THR:HG23	1:64:B:GLY:HA2	14	0.17
(1,255)	1:83:B:GLY:HA2	1:86:B:LYS:HD3	15	0.17
(1,216)	1:77:B:ALA:HB1	1:48:B:MET:HG2	6	0.17
(1,216)	1:77:B:ALA:HB2	1:48:B:MET:HG2	6	0.17
(1,216)	1:77:B:ALA:HB3	1:48:B:MET:HG2	6	0.17
(1,215)	1:77:A:ALA:HB1	1:48:A:MET:HG2	6	0.17
(1,215)	1:77:A:ALA:HB2	1:48:A:MET:HG2	6	0.17
(1,215)	1:77:A:ALA:HB3	1:48:A:MET:HG2	6	0.17
(1,205)	1:49:B:ALA:H	1:48:B:MET:HG2	2	0.17
(1,189)	1:96:B:ASN:HA	1:92:B:LEU:HA	1	0.17
(1,189)	1:96:B:ASN:HA	1:92:B:LEU:HA	2	0.17
(1,188)	1:96:A:ASN:HA	1:92:A:LEU:HA	1	0.17
(1,188)	1:96:A:ASN:HA	1:92:A:LEU:HA	2	0.17
(1,188)	1:96:A:ASN:HA	1:92:A:LEU:HA	20	0.17
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD21	17	0.17
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD22	17	0.17
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD23	17	0.17
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD21	17	0.17
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD22	17	0.17
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD23	17	0.17
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD21	17	0.17
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD22	17	0.17
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD23	17	0.17
(1,125)	1:69:B:TRP:HZ2	1:94:A:ILE:H	11	0.17
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD1	6	0.17
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD2	6	0.17
(1,86)	1:69:B:TRP:HH2	1:91:A:MET:HA	15	0.17
(1,58)	1:49:A:ALA:HB1	1:56:B:PHE:HB3	15	0.17
(1,58)	1:49:A:ALA:HB2	1:56:B:PHE:HB3	15	0.17
(1,58)	1:49:A:ALA:HB3	1:56:B:PHE:HB3	15	0.17
(1,51)	1:45:A:LYS:HE2	1:57:B:LEU:HA	20	0.17
(1,20)	1:94:B:ILE:HG21	1:69:A:TRP:HE1	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20)	1:94:B:ILE:HG22	1:69:A:TRP:HE1	11	0.17
(1,20)	1:94:B:ILE:HG23	1:69:A:TRP:HE1	11	0.17
(1,16)	1:55:B:ARG:HB3	1:91:A:MET:HG2	9	0.17
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG21	9	0.17
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG22	9	0.17
(1,13)	1:32:A:ARG:H	1:30:A:THR:HG23	9	0.17
(2,363)	1:24:B:SER:HB3	1:27:B:GLN:HB3	10	0.16
(2,347)	1:24:A:SER:HB3	1:27:A:GLN:HB3	10	0.16
(2,297)	1:49:B:ALA:HB1	1:56:A:PHE:HB3	20	0.16
(2,297)	1:49:B:ALA:HB2	1:56:A:PHE:HB3	20	0.16
(2,297)	1:49:B:ALA:HB3	1:56:A:PHE:HB3	20	0.16
(2,187)	1:76:A:LYS:HB3	1:76:A:LYS:H	4	0.16
(2,187)	1:76:A:LYS:HB3	1:76:A:LYS:H	17	0.16
(2,158)	1:95:B:LEU:HD21	1:72:A:ILE:HG12	12	0.16
(2,158)	1:95:B:LEU:HD22	1:72:A:ILE:HG12	12	0.16
(2,158)	1:95:B:LEU:HD23	1:72:A:ILE:HG12	12	0.16
(2,144)	1:71:B:THR:HG21	1:41:B:ARG:HG2	10	0.16
(2,144)	1:71:B:THR:HG22	1:41:B:ARG:HG2	10	0.16
(2,144)	1:71:B:THR:HG23	1:41:B:ARG:HG2	10	0.16
(2,120)	1:59:B:ILE:HD11	1:60:B:PRO:HD2	19	0.16
(2,120)	1:59:B:ILE:HD12	1:60:B:PRO:HD2	19	0.16
(2,120)	1:59:B:ILE:HD13	1:60:B:PRO:HD2	19	0.16
(2,98)	1:78:A:ILE:HG21	1:79:A:ASN:HD21	1	0.16
(2,98)	1:78:A:ILE:HG22	1:79:A:ASN:HD21	1	0.16
(2,98)	1:78:A:ILE:HG23	1:79:A:ASN:HD21	1	0.16
(2,98)	1:78:A:ILE:HG21	1:79:A:ASN:HD21	6	0.16
(2,98)	1:78:A:ILE:HG22	1:79:A:ASN:HD21	6	0.16
(2,98)	1:78:A:ILE:HG23	1:79:A:ASN:HD21	6	0.16
(2,63)	1:60:B:PRO:HA	1:60:B:PRO:HD3	15	0.16
(2,61)	1:68:B:ARG:H	1:67:B:LYS:HB2	18	0.16
(2,18)	1:65:B:ILE:HD11	1:61:B:PRO:HB3	4	0.16
(2,18)	1:65:B:ILE:HD12	1:61:B:PRO:HB3	4	0.16
(2,18)	1:65:B:ILE:HD13	1:61:B:PRO:HB3	4	0.16
(1,3412)	1:45:A:LYS:HB2	1:47:A:PHE:H	8	0.16
(1,3411)	1:45:B:LYS:HB2	1:47:B:PHE:H	8	0.16
(1,3410)	1:94:A:ILE:HA	1:97:A:ARG:HB2	20	0.16
(1,3409)	1:94:B:ILE:HA	1:97:B:ARG:HB2	20	0.16
(1,3404)	1:29:B:LEU:H	1:30:B:THR:HA	18	0.16
(1,3404)	1:29:B:LEU:H	1:30:B:THR:HA	19	0.16
(1,3403)	1:29:A:LEU:H	1:30:A:THR:HA	11	0.16
(1,3334)	1:97:A:ARG:HA	1:94:A:ILE:HA	11	0.16
(1,3333)	1:97:B:ARG:HA	1:94:B:ILE:HA	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3215)	1:50:A:LEU:HD21	1:54:A:LEU:H	8	0.16
(1,3215)	1:50:A:LEU:HD22	1:54:A:LEU:H	8	0.16
(1,3215)	1:50:A:LEU:HD23	1:54:A:LEU:H	8	0.16
(1,3212)	1:22:B:ARG:HB2	1:21:B:ASN:HA	3	0.16
(1,3206)	1:49:A:ALA:HA	1:53:B:PHE:HA	15	0.16
(1,3203)	1:97:A:ARG:HA	1:97:A:ARG:HD2	16	0.16
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD11	15	0.16
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD12	15	0.16
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD13	15	0.16
(1,2965)	1:78:A:ILE:HA	1:82:A:ARG:H	3	0.16
(1,2964)	1:78:B:ILE:HA	1:82:B:ARG:H	3	0.16
(1,2959)	1:29:A:LEU:HA	1:28:A:GLN:HG2	10	0.16
(1,2950)	1:80:B:VAL:HA	1:79:B:ASN:HB3	16	0.16
(1,2889)	1:59:A:ILE:HD11	1:60:A:PRO:HD2	19	0.16
(1,2889)	1:59:A:ILE:HD12	1:60:A:PRO:HD2	19	0.16
(1,2889)	1:59:A:ILE:HD13	1:60:A:PRO:HD2	19	0.16
(1,2874)	1:88:B:ILE:HB	1:89:B:GLY:HA2	4	0.16
(1,2873)	1:88:A:ILE:HB	1:89:A:GLY:HA2	4	0.16
(1,2809)	1:23:A:VAL:HG21	1:24:A:SER:HA	19	0.16
(1,2809)	1:23:A:VAL:HG22	1:24:A:SER:HA	19	0.16
(1,2809)	1:23:A:VAL:HG23	1:24:A:SER:HA	19	0.16
(1,2807)	1:23:A:VAL:HG21	1:24:A:SER:HA	19	0.16
(1,2807)	1:23:A:VAL:HG22	1:24:A:SER:HA	19	0.16
(1,2807)	1:23:A:VAL:HG23	1:24:A:SER:HA	19	0.16
(1,2754)	1:76:A:LYS:H	1:73:A:LYS:HD2	4	0.16
(1,2737)	1:78:B:ILE:HA	1:77:B:ALA:H	6	0.16
(1,2737)	1:78:B:ILE:HA	1:77:B:ALA:H	15	0.16
(1,2736)	1:78:A:ILE:HA	1:77:A:ALA:H	6	0.16
(1,2736)	1:78:A:ILE:HA	1:77:A:ALA:H	15	0.16
(1,2736)	1:78:A:ILE:HA	1:77:A:ALA:H	20	0.16
(1,2722)	1:65:B:ILE:HD11	1:25:B:THR:HA	10	0.16
(1,2722)	1:65:B:ILE:HD12	1:25:B:THR:HA	10	0.16
(1,2722)	1:65:B:ILE:HD13	1:25:B:THR:HA	10	0.16
(1,2721)	1:65:A:ILE:HD11	1:25:A:THR:HA	10	0.16
(1,2721)	1:65:A:ILE:HD12	1:25:A:THR:HA	10	0.16
(1,2721)	1:65:A:ILE:HD13	1:25:A:THR:HA	10	0.16
(1,2632)	1:52:B:ALA:HA	1:55:B:ARG:HD2	6	0.16
(1,2631)	1:52:A:ALA:HA	1:55:A:ARG:HD2	6	0.16
(1,2604)	1:82:A:ARG:HA	1:85:A:ARG:HD3	16	0.16
(1,2603)	1:82:B:ARG:HA	1:85:B:ARG:HD3	10	0.16
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG21	12	0.16
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG22	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG23	12	0.16
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG21	18	0.16
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG22	18	0.16
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG23	18	0.16
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG21	18	0.16
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG22	18	0.16
(1,2561)	1:27:B:GLN:HB2	1:23:B:VAL:HG23	18	0.16
(1,2507)	1:64:A:GLY:HA2	1:68:A:ARG:HG2	16	0.16
(1,2506)	1:64:B:GLY:HA2	1:68:B:ARG:HG2	16	0.16
(1,2502)	1:100:A:ARG:H	1:99:A:ARG:HA	13	0.16
(1,2502)	1:100:A:ARG:H	1:99:A:ARG:HA	17	0.16
(1,2501)	1:100:B:ARG:H	1:99:B:ARG:HA	13	0.16
(1,2501)	1:100:B:ARG:H	1:99:B:ARG:HA	17	0.16
(1,2491)	1:23:B:VAL:HG11	1:24:B:SER:H	2	0.16
(1,2491)	1:23:B:VAL:HG12	1:24:B:SER:H	2	0.16
(1,2491)	1:23:B:VAL:HG13	1:24:B:SER:H	2	0.16
(1,2439)	1:86:B:LYS:HA	1:86:B:LYS:HG3	1	0.16
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD11	6	0.16
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD12	6	0.16
(1,2437)	1:72:A:ILE:H	1:72:A:ILE:HD13	6	0.16
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD11	6	0.16
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD12	6	0.16
(1,2436)	1:72:B:ILE:H	1:72:B:ILE:HD13	6	0.16
(1,2417)	1:62:B:THR:H	1:63:B:ALA:HA	10	0.16
(1,2417)	1:62:B:THR:H	1:63:B:ALA:HA	16	0.16
(1,2416)	1:62:A:THR:H	1:63:A:ALA:HA	10	0.16
(1,2416)	1:62:A:THR:H	1:63:A:ALA:HA	16	0.16
(1,2400)	1:63:B:ALA:HA	1:23:B:VAL:HG21	6	0.16
(1,2400)	1:63:B:ALA:HA	1:23:B:VAL:HG22	6	0.16
(1,2400)	1:63:B:ALA:HA	1:23:B:VAL:HG23	6	0.16
(1,2296)	1:72:A:ILE:HB	1:73:A:LYS:H	1	0.16
(1,2242)	1:91:B:MET:HB2	1:93:B:ASN:H	9	0.16
(1,2237)	1:28:B:GLN:HA	1:31:B:LYS:HE2	11	0.16
(1,2236)	1:28:A:GLN:HA	1:31:A:LYS:HE2	11	0.16
(1,2219)	1:91:A:MET:HG3	1:88:A:ILE:HA	1	0.16
(1,2206)	1:65:A:ILE:HD11	1:50:A:LEU:HD11	15	0.16
(1,2206)	1:65:A:ILE:HD11	1:50:A:LEU:HD12	15	0.16
(1,2206)	1:65:A:ILE:HD11	1:50:A:LEU:HD13	15	0.16
(1,2206)	1:65:A:ILE:HD12	1:50:A:LEU:HD11	15	0.16
(1,2206)	1:65:A:ILE:HD12	1:50:A:LEU:HD12	15	0.16
(1,2206)	1:65:A:ILE:HD12	1:50:A:LEU:HD13	15	0.16
(1,2206)	1:65:A:ILE:HD13	1:50:A:LEU:HD11	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2206)	1:65:A:ILE:HD13	1:50:A:LEU:HD12	15	0.16
(1,2206)	1:65:A:ILE:HD13	1:50:A:LEU:HD13	15	0.16
(1,2205)	1:65:B:ILE:HD11	1:50:B:LEU:HD11	15	0.16
(1,2205)	1:65:B:ILE:HD11	1:50:B:LEU:HD12	15	0.16
(1,2205)	1:65:B:ILE:HD11	1:50:B:LEU:HD13	15	0.16
(1,2205)	1:65:B:ILE:HD12	1:50:B:LEU:HD11	15	0.16
(1,2205)	1:65:B:ILE:HD12	1:50:B:LEU:HD12	15	0.16
(1,2205)	1:65:B:ILE:HD12	1:50:B:LEU:HD13	15	0.16
(1,2205)	1:65:B:ILE:HD13	1:50:B:LEU:HD11	15	0.16
(1,2205)	1:65:B:ILE:HD13	1:50:B:LEU:HD12	15	0.16
(1,2205)	1:65:B:ILE:HD13	1:50:B:LEU:HD13	15	0.16
(1,2153)	1:42:A:GLY:HA2	1:43:A:PRO:HD2	5	0.16
(1,2153)	1:42:A:GLY:HA2	1:43:A:PRO:HD2	13	0.16
(1,2153)	1:42:A:GLY:HA2	1:43:A:PRO:HD2	14	0.16
(1,2152)	1:42:B:GLY:HA2	1:43:B:PRO:HD2	5	0.16
(1,2152)	1:42:B:GLY:HA2	1:43:B:PRO:HD2	14	0.16
(1,2148)	1:79:A:ASN:H	1:76:A:LYS:HA	4	0.16
(1,2086)	1:92:A:LEU:HG	1:93:A:ASN:H	14	0.16
(1,2086)	1:92:A:LEU:HG	1:93:A:ASN:H	16	0.16
(1,2085)	1:92:B:LEU:HG	1:93:B:ASN:H	5	0.16
(1,2085)	1:92:B:LEU:HG	1:93:B:ASN:H	14	0.16
(1,2064)	1:68:A:ARG:H	1:67:A:LYS:HB2	18	0.16
(1,2057)	1:49:A:ALA:H	1:52:A:ALA:H	11	0.16
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE1	3	0.16
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE2	3	0.16
(1,2001)	1:23:B:VAL:HB	1:24:B:SER:H	8	0.16
(1,2000)	1:23:A:VAL:HB	1:24:A:SER:H	8	0.16
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD11	10	0.16
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD12	10	0.16
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD13	10	0.16
(1,1982)	1:59:B:ILE:H	1:59:B:ILE:HB	20	0.16
(1,1952)	1:62:A:THR:HA	1:24:A:SER:H	10	0.16
(1,1919)	1:57:B:LEU:H	1:58:B:THR:H	19	0.16
(1,1904)	1:57:B:LEU:HD11	1:57:B:LEU:H	18	0.16
(1,1904)	1:57:B:LEU:HD12	1:57:B:LEU:H	18	0.16
(1,1904)	1:57:B:LEU:HD13	1:57:B:LEU:H	18	0.16
(1,1903)	1:57:A:LEU:HD11	1:57:A:LEU:H	18	0.16
(1,1903)	1:57:A:LEU:HD12	1:57:A:LEU:H	18	0.16
(1,1903)	1:57:A:LEU:HD13	1:57:A:LEU:H	18	0.16
(1,1891)	1:94:A:ILE:HG21	1:69:B:TRP:HE1	11	0.16
(1,1891)	1:94:A:ILE:HG22	1:69:B:TRP:HE1	11	0.16
(1,1891)	1:94:A:ILE:HG23	1:69:B:TRP:HE1	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1846)	1:22:B:ARG:HA	1:21:B:ASN:HA	6	0.16
(1,1771)	1:46:B:LEU:H	1:48:B:MET:H	4	0.16
(1,1770)	1:46:A:LEU:H	1:48:A:MET:H	4	0.16
(1,1747)	1:88:B:ILE:HG21	1:86:B:LYS:H	15	0.16
(1,1747)	1:88:B:ILE:HG22	1:86:B:LYS:H	15	0.16
(1,1747)	1:88:B:ILE:HG23	1:86:B:LYS:H	15	0.16
(1,1740)	1:82:B:ARG:HA	1:85:B:ARG:H	15	0.16
(1,1739)	1:82:A:ARG:HA	1:85:A:ARG:H	15	0.16
(1,1711)	1:82:B:ARG:HA	1:85:B:ARG:HD3	13	0.16
(1,1702)	1:84:A:PHE:HA	1:87:A:GLU:H	1	0.16
(1,1701)	1:84:B:PHE:HA	1:87:B:GLU:H	12	0.16
(1,1701)	1:84:B:PHE:HA	1:87:B:GLU:H	19	0.16
(1,1667)	1:78:B:ILE:HG21	1:92:A:LEU:HA	9	0.16
(1,1667)	1:78:B:ILE:HG22	1:92:A:LEU:HA	9	0.16
(1,1667)	1:78:B:ILE:HG23	1:92:A:LEU:HA	9	0.16
(1,1662)	1:78:B:ILE:HG21	1:79:B:ASN:HD21	6	0.16
(1,1662)	1:78:B:ILE:HG22	1:79:B:ASN:HD21	6	0.16
(1,1662)	1:78:B:ILE:HG23	1:79:B:ASN:HD21	6	0.16
(1,1585)	1:48:A:MET:H	1:44:A:LEU:HD11	18	0.16
(1,1585)	1:48:A:MET:H	1:44:A:LEU:HD12	18	0.16
(1,1585)	1:48:A:MET:H	1:44:A:LEU:HD13	18	0.16
(1,1584)	1:48:B:MET:H	1:44:B:LEU:HD11	18	0.16
(1,1584)	1:48:B:MET:H	1:44:B:LEU:HD12	18	0.16
(1,1584)	1:48:B:MET:H	1:44:B:LEU:HD13	18	0.16
(1,1510)	1:94:B:ILE:HG21	1:95:B:LEU:HD11	14	0.16
(1,1510)	1:94:B:ILE:HG21	1:95:B:LEU:HD12	14	0.16
(1,1510)	1:94:B:ILE:HG21	1:95:B:LEU:HD13	14	0.16
(1,1510)	1:94:B:ILE:HG22	1:95:B:LEU:HD11	14	0.16
(1,1510)	1:94:B:ILE:HG22	1:95:B:LEU:HD12	14	0.16
(1,1510)	1:94:B:ILE:HG22	1:95:B:LEU:HD13	14	0.16
(1,1510)	1:94:B:ILE:HG23	1:95:B:LEU:HD11	14	0.16
(1,1510)	1:94:B:ILE:HG23	1:95:B:LEU:HD12	14	0.16
(1,1510)	1:94:B:ILE:HG23	1:95:B:LEU:HD13	14	0.16
(1,1509)	1:94:A:ILE:HG21	1:95:A:LEU:HD11	14	0.16
(1,1509)	1:94:A:ILE:HG21	1:95:A:LEU:HD12	14	0.16
(1,1509)	1:94:A:ILE:HG21	1:95:A:LEU:HD13	14	0.16
(1,1509)	1:94:A:ILE:HG22	1:95:A:LEU:HD11	14	0.16
(1,1509)	1:94:A:ILE:HG22	1:95:A:LEU:HD12	14	0.16
(1,1509)	1:94:A:ILE:HG22	1:95:A:LEU:HD13	14	0.16
(1,1509)	1:94:A:ILE:HG23	1:95:A:LEU:HD11	14	0.16
(1,1509)	1:94:A:ILE:HG23	1:95:A:LEU:HD12	14	0.16
(1,1509)	1:94:A:ILE:HG23	1:95:A:LEU:HD13	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1483)	1:69:B:TRP:HD1	1:68:B:ARG:HA	1	0.16
(1,1459)	1:60:A:PRO:HA	1:60:A:PRO:HD3	15	0.16
(1,1448)	1:91:B:MET:HA	1:94:B:ILE:H	8	0.16
(1,1430)	1:59:B:ILE:H	1:58:B:THR:H	20	0.16
(1,1420)	1:95:A:LEU:HD11	1:74:B:LYS:HA	9	0.16
(1,1420)	1:95:A:LEU:HD12	1:74:B:LYS:HA	9	0.16
(1,1420)	1:95:A:LEU:HD13	1:74:B:LYS:HA	9	0.16
(1,1311)	1:95:A:LEU:HD11	1:69:B:TRP:HH2	7	0.16
(1,1311)	1:95:A:LEU:HD12	1:69:B:TRP:HH2	7	0.16
(1,1311)	1:95:A:LEU:HD13	1:69:B:TRP:HH2	7	0.16
(1,1289)	1:74:B:LYS:HA	1:72:B:ILE:HD11	12	0.16
(1,1289)	1:74:B:LYS:HA	1:72:B:ILE:HD12	12	0.16
(1,1289)	1:74:B:LYS:HA	1:72:B:ILE:HD13	12	0.16
(1,1288)	1:77:A:ALA:H	1:76:A:LYS:H	15	0.16
(1,1287)	1:77:B:ALA:H	1:76:B:LYS:H	10	0.16
(1,1275)	1:23:B:VAL:H	1:24:B:SER:HA	2	0.16
(1,1265)	1:22:A:ARG:HG2	1:22:A:ARG:HA	4	0.16
(1,1251)	1:43:B:PRO:HB3	1:43:B:PRO:HD3	3	0.16
(1,1251)	1:43:B:PRO:HB3	1:43:B:PRO:HD3	7	0.16
(1,1251)	1:43:B:PRO:HB3	1:43:B:PRO:HD3	11	0.16
(1,1251)	1:43:B:PRO:HB3	1:43:B:PRO:HD3	16	0.16
(1,1250)	1:43:A:PRO:HB3	1:43:A:PRO:HD3	3	0.16
(1,1250)	1:43:A:PRO:HB3	1:43:A:PRO:HD3	11	0.16
(1,1250)	1:43:A:PRO:HB3	1:43:A:PRO:HD3	16	0.16
(1,1224)	1:43:B:PRO:HD2	1:43:B:PRO:HA	18	0.16
(1,1212)	1:48:B:MET:H	1:45:B:LYS:HA	7	0.16
(1,1212)	1:48:B:MET:H	1:45:B:LYS:HA	18	0.16
(1,1211)	1:48:A:MET:H	1:45:A:LYS:HA	7	0.16
(1,1211)	1:48:A:MET:H	1:45:A:LYS:HA	18	0.16
(1,1195)	1:42:A:GLY:HA2	1:43:A:PRO:HG3	5	0.16
(1,1194)	1:42:B:GLY:HA2	1:43:B:PRO:HG3	5	0.16
(1,1194)	1:42:B:GLY:HA2	1:43:B:PRO:HG3	20	0.16
(1,1175)	1:94:A:ILE:HA	1:97:A:ARG:H	16	0.16
(1,1147)	1:25:B:THR:HG21	1:24:B:SER:HA	16	0.16
(1,1147)	1:25:B:THR:HG22	1:24:B:SER:HA	16	0.16
(1,1147)	1:25:B:THR:HG23	1:24:B:SER:HA	16	0.16
(1,1147)	1:25:B:THR:HG21	1:24:B:SER:HA	17	0.16
(1,1147)	1:25:B:THR:HG22	1:24:B:SER:HA	17	0.16
(1,1147)	1:25:B:THR:HG23	1:24:B:SER:HA	17	0.16
(1,1147)	1:25:B:THR:HG21	1:24:B:SER:HA	20	0.16
(1,1147)	1:25:B:THR:HG22	1:24:B:SER:HA	20	0.16
(1,1147)	1:25:B:THR:HG23	1:24:B:SER:HA	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1146)	1:25:A:THR:HG21	1:24:A:SER:HA	17	0.16
(1,1146)	1:25:A:THR:HG22	1:24:A:SER:HA	17	0.16
(1,1146)	1:25:A:THR:HG23	1:24:A:SER:HA	17	0.16
(1,1146)	1:25:A:THR:HG21	1:24:A:SER:HA	20	0.16
(1,1146)	1:25:A:THR:HG22	1:24:A:SER:HA	20	0.16
(1,1146)	1:25:A:THR:HG23	1:24:A:SER:HA	20	0.16
(1,1137)	1:77:B:ALA:HB1	1:74:B:LYS:HA	11	0.16
(1,1137)	1:77:B:ALA:HB2	1:74:B:LYS:HA	11	0.16
(1,1137)	1:77:B:ALA:HB3	1:74:B:LYS:HA	11	0.16
(1,1136)	1:77:A:ALA:HB1	1:74:A:LYS:HA	11	0.16
(1,1136)	1:77:A:ALA:HB2	1:74:A:LYS:HA	11	0.16
(1,1136)	1:77:A:ALA:HB3	1:74:A:LYS:HA	11	0.16
(1,1073)	1:64:B:GLY:HA2	1:63:B:ALA:HB1	17	0.16
(1,1073)	1:64:B:GLY:HA2	1:63:B:ALA:HB2	17	0.16
(1,1073)	1:64:B:GLY:HA2	1:63:B:ALA:HB3	17	0.16
(1,1072)	1:64:A:GLY:HA2	1:63:A:ALA:HB1	17	0.16
(1,1072)	1:64:A:GLY:HA2	1:63:A:ALA:HB2	17	0.16
(1,1072)	1:64:A:GLY:HA2	1:63:A:ALA:HB3	17	0.16
(1,1061)	1:81:A:LEU:H	1:81:A:LEU:HD21	3	0.16
(1,1061)	1:81:A:LEU:H	1:81:A:LEU:HD22	3	0.16
(1,1061)	1:81:A:LEU:H	1:81:A:LEU:HD23	3	0.16
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD21	3	0.16
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD22	3	0.16
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD23	3	0.16
(1,1059)	1:81:A:LEU:H	1:81:A:LEU:HD11	8	0.16
(1,1059)	1:81:A:LEU:H	1:81:A:LEU:HD12	8	0.16
(1,1059)	1:81:A:LEU:H	1:81:A:LEU:HD13	8	0.16
(1,1043)	1:92:A:LEU:HG	1:92:A:LEU:H	13	0.16
(1,1043)	1:92:A:LEU:HG	1:92:A:LEU:H	20	0.16
(1,1042)	1:92:B:LEU:HG	1:92:B:LEU:H	13	0.16
(1,1042)	1:92:B:LEU:HG	1:92:B:LEU:H	20	0.16
(1,1033)	1:71:B:THR:H	1:69:B:TRP:H	1	0.16
(1,985)	1:23:B:VAL:HG11	1:24:B:SER:H	18	0.16
(1,985)	1:23:B:VAL:HG12	1:24:B:SER:H	18	0.16
(1,985)	1:23:B:VAL:HG13	1:24:B:SER:H	18	0.16
(1,985)	1:23:B:VAL:HG11	1:24:B:SER:H	19	0.16
(1,985)	1:23:B:VAL:HG12	1:24:B:SER:H	19	0.16
(1,985)	1:23:B:VAL:HG13	1:24:B:SER:H	19	0.16
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD11	1	0.16
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD12	1	0.16
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD13	1	0.16
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD11	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD12	1	0.16
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD13	1	0.16
(1,894)	1:25:A:THR:HG21	1:25:A:THR:H	6	0.16
(1,894)	1:25:A:THR:HG22	1:25:A:THR:H	6	0.16
(1,894)	1:25:A:THR:HG23	1:25:A:THR:H	6	0.16
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG21	8	0.16
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG22	8	0.16
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG23	8	0.16
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG21	5	0.16
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG22	5	0.16
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG23	5	0.16
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG21	8	0.16
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG22	8	0.16
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG23	8	0.16
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG21	10	0.16
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG22	10	0.16
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG23	10	0.16
(1,775)	1:88:A:ILE:HG21	1:89:A:GLY:HA2	12	0.16
(1,775)	1:88:A:ILE:HG22	1:89:A:GLY:HA2	12	0.16
(1,775)	1:88:A:ILE:HG23	1:89:A:GLY:HA2	12	0.16
(1,774)	1:88:B:ILE:HG21	1:89:B:GLY:HA2	12	0.16
(1,774)	1:88:B:ILE:HG22	1:89:B:GLY:HA2	12	0.16
(1,774)	1:88:B:ILE:HG23	1:89:B:GLY:HA2	12	0.16
(1,729)	1:72:B:ILE:HG12	1:73:B:LYS:H	10	0.16
(1,728)	1:72:A:ILE:HG12	1:73:A:LYS:H	10	0.16
(1,679)	1:54:A:LEU:HG	1:54:A:LEU:HA	3	0.16
(1,678)	1:54:B:LEU:HG	1:54:B:LEU:HA	3	0.16
(1,563)	1:57:B:LEU:HB3	1:58:B:THR:HG21	6	0.16
(1,563)	1:57:B:LEU:HB3	1:58:B:THR:HG22	6	0.16
(1,563)	1:57:B:LEU:HB3	1:58:B:THR:HG23	6	0.16
(1,562)	1:57:A:LEU:HB3	1:58:A:THR:HG21	6	0.16
(1,562)	1:57:A:LEU:HB3	1:58:A:THR:HG22	6	0.16
(1,562)	1:57:A:LEU:HB3	1:58:A:THR:HG23	6	0.16
(1,516)	1:79:A:ASN:H	1:77:A:ALA:H	10	0.16
(1,516)	1:79:A:ASN:H	1:77:A:ALA:H	17	0.16
(1,516)	1:79:A:ASN:H	1:77:A:ALA:H	18	0.16
(1,515)	1:79:B:ASN:H	1:77:B:ALA:H	14	0.16
(1,491)	1:57:A:LEU:HD11	1:45:B:LYS:HG2	4	0.16
(1,491)	1:57:A:LEU:HD12	1:45:B:LYS:HG2	4	0.16
(1,491)	1:57:A:LEU:HD13	1:45:B:LYS:HG2	4	0.16
(1,490)	1:57:B:LEU:HD11	1:45:A:LYS:HG2	4	0.16
(1,490)	1:57:B:LEU:HD12	1:45:A:LYS:HG2	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,490)	1:57:B:LEU:HD13	1:45:A:LYS:HG2	4	0.16
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB1	14	0.16
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB2	14	0.16
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB3	14	0.16
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB1	15	0.16
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB2	15	0.16
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB3	15	0.16
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB1	19	0.16
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB2	19	0.16
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB3	19	0.16
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB1	13	0.16
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB2	13	0.16
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB3	13	0.16
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB1	15	0.16
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB2	15	0.16
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB3	15	0.16
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB1	19	0.16
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB2	19	0.16
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB3	19	0.16
(1,373)	1:56:B:PHE:HD1	1:49:A:ALA:HA	14	0.16
(1,373)	1:56:B:PHE:HD2	1:49:A:ALA:HA	14	0.16
(1,362)	1:76:B:LYS:HB3	1:76:B:LYS:H	1	0.16
(1,362)	1:76:B:LYS:HB3	1:76:B:LYS:H	4	0.16
(1,362)	1:76:B:LYS:HB3	1:76:B:LYS:H	17	0.16
(1,351)	1:65:B:ILE:HD11	1:65:B:ILE:H	5	0.16
(1,351)	1:65:B:ILE:HD12	1:65:B:ILE:H	5	0.16
(1,351)	1:65:B:ILE:HD13	1:65:B:ILE:H	5	0.16
(1,350)	1:65:A:ILE:HD11	1:65:A:ILE:H	5	0.16
(1,350)	1:65:A:ILE:HD12	1:65:A:ILE:H	5	0.16
(1,350)	1:65:A:ILE:HD13	1:65:A:ILE:H	5	0.16
(1,350)	1:65:A:ILE:HD11	1:65:A:ILE:H	10	0.16
(1,350)	1:65:A:ILE:HD12	1:65:A:ILE:H	10	0.16
(1,350)	1:65:A:ILE:HD13	1:65:A:ILE:H	10	0.16
(1,278)	1:41:A:ARG:H	1:38:A:LEU:HA	12	0.16
(1,164)	1:69:B:TRP:HH2	1:95:A:LEU:HG	2	0.16
(1,153)	1:95:A:LEU:HD21	1:72:B:ILE:HG12	18	0.16
(1,153)	1:95:A:LEU:HD22	1:72:B:ILE:HG12	18	0.16
(1,153)	1:95:A:LEU:HD23	1:72:B:ILE:HG12	18	0.16
(1,79)	1:88:A:ILE:HG12	1:52:B:ALA:HB1	1	0.16
(1,79)	1:88:A:ILE:HG12	1:52:B:ALA:HB2	1	0.16
(1,79)	1:88:A:ILE:HG12	1:52:B:ALA:HB3	1	0.16
(1,58)	1:49:A:ALA:HB1	1:56:B:PHE:HB3	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,58)	1:49:A:ALA:HB2	1:56:B:PHE:HB3	20	0.16
(1,58)	1:49:A:ALA:HB3	1:56:B:PHE:HB3	20	0.16
(1,31)	1:95:A:LEU:HD11	1:74:B:LYS:HA	9	0.16
(1,31)	1:95:A:LEU:HD12	1:74:B:LYS:HA	9	0.16
(1,31)	1:95:A:LEU:HD13	1:74:B:LYS:HA	9	0.16
(1,19)	1:94:A:ILE:HG21	1:69:B:TRP:HE1	11	0.16
(1,19)	1:94:A:ILE:HG22	1:69:B:TRP:HE1	11	0.16
(1,19)	1:94:A:ILE:HG23	1:69:B:TRP:HE1	11	0.16
(2,348)	1:47:B:PHE:HD1	1:41:B:ARG:HD3	4	0.15
(2,348)	1:47:B:PHE:HD2	1:41:B:ARG:HD3	4	0.15
(2,279)	1:47:A:PHE:HD1	1:41:A:ARG:HD3	4	0.15
(2,279)	1:47:A:PHE:HD2	1:41:A:ARG:HD3	4	0.15
(2,187)	1:76:A:LYS:HB3	1:76:A:LYS:H	1	0.15
(2,187)	1:76:A:LYS:HB3	1:76:A:LYS:H	6	0.15
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG3	17	0.15
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG3	17	0.15
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG3	17	0.15
(2,98)	1:78:A:ILE:HG21	1:79:A:ASN:HD21	15	0.15
(2,98)	1:78:A:ILE:HG22	1:79:A:ASN:HD21	15	0.15
(2,98)	1:78:A:ILE:HG23	1:79:A:ASN:HD21	15	0.15
(2,64)	1:92:B:LEU:HG	1:91:B:MET:HB2	10	0.15
(2,63)	1:60:B:PRO:HA	1:60:B:PRO:HD3	14	0.15
(2,63)	1:60:B:PRO:HA	1:60:B:PRO:HD3	16	0.15
(2,38)	1:48:B:MET:HG2	1:81:B:LEU:HG	20	0.15
(2,34)	1:71:B:THR:HG21	1:76:B:LYS:HE3	4	0.15
(2,34)	1:71:B:THR:HG22	1:76:B:LYS:HE3	4	0.15
(2,34)	1:71:B:THR:HG23	1:76:B:LYS:HE3	4	0.15
(2,26)	1:47:A:PHE:HD1	1:48:A:MET:HG2	12	0.15
(2,26)	1:47:A:PHE:HD2	1:48:A:MET:HG2	12	0.15
(2,25)	1:47:B:PHE:HD1	1:48:B:MET:HG2	12	0.15
(2,25)	1:47:B:PHE:HD2	1:48:B:MET:HG2	12	0.15
(2,15)	1:24:B:SER:HB2	1:23:B:VAL:H	19	0.15
(1,3412)	1:45:A:LYS:HB2	1:47:A:PHE:H	14	0.15
(1,3411)	1:45:B:LYS:HB2	1:47:B:PHE:H	14	0.15
(1,3404)	1:29:B:LEU:H	1:30:B:THR:HA	6	0.15
(1,3404)	1:29:B:LEU:H	1:30:B:THR:HA	7	0.15
(1,3404)	1:29:B:LEU:H	1:30:B:THR:HA	9	0.15
(1,3403)	1:29:A:LEU:H	1:30:A:THR:HA	7	0.15
(1,3403)	1:29:A:LEU:H	1:30:A:THR:HA	9	0.15
(1,3403)	1:29:A:LEU:H	1:30:A:THR:HA	18	0.15
(1,3386)	1:77:A:ALA:HB1	1:95:B:LEU:HB2	17	0.15
(1,3386)	1:77:A:ALA:HB2	1:95:B:LEU:HB2	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3386)	1:77:A:ALA:HB3	1:95:B:LEU:HB2	17	0.15
(1,3383)	1:87:A:GLU:HB3	1:55:B:ARG:HG3	11	0.15
(1,3382)	1:87:B:GLU:HB3	1:55:A:ARG:HG3	11	0.15
(1,3374)	1:94:B:ILE:HD11	1:66:A:LEU:HA	12	0.15
(1,3374)	1:94:B:ILE:HD12	1:66:A:LEU:HA	12	0.15
(1,3374)	1:94:B:ILE:HD13	1:66:A:LEU:HA	12	0.15
(1,3359)	1:69:B:TRP:HZ2	1:91:A:MET:HA	18	0.15
(1,3334)	1:97:A:ARG:HA	1:94:A:ILE:HA	19	0.15
(1,3333)	1:97:B:ARG:HA	1:94:B:ILE:HA	19	0.15
(1,3321)	1:88:B:ILE:HA	1:90:B:ARG:H	13	0.15
(1,3321)	1:88:B:ILE:HA	1:90:B:ARG:H	19	0.15
(1,3320)	1:88:A:ILE:HA	1:90:A:ARG:H	13	0.15
(1,3320)	1:88:A:ILE:HA	1:90:A:ARG:H	19	0.15
(1,3299)	1:22:A:ARG:HB2	1:63:A:ALA:H	10	0.15
(1,3296)	1:30:A:THR:HG21	1:28:A:GLN:HA	1	0.15
(1,3296)	1:30:A:THR:HG22	1:28:A:GLN:HA	1	0.15
(1,3296)	1:30:A:THR:HG23	1:28:A:GLN:HA	1	0.15
(1,3251)	1:39:B:GLN:HB3	1:41:B:ARG:HG2	7	0.15
(1,3250)	1:39:A:GLN:HB3	1:41:A:ARG:HG2	7	0.15
(1,3214)	1:50:B:LEU:HD21	1:54:B:LEU:H	8	0.15
(1,3214)	1:50:B:LEU:HD22	1:54:B:LEU:H	8	0.15
(1,3214)	1:50:B:LEU:HD23	1:54:B:LEU:H	8	0.15
(1,3204)	1:97:B:ARG:HA	1:97:B:ARG:HD2	16	0.15
(1,3202)	1:41:B:ARG:HB3	1:47:B:PHE:HB3	17	0.15
(1,3201)	1:41:A:ARG:HB3	1:47:A:PHE:HB3	17	0.15
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG21	17	0.15
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG22	17	0.15
(1,3165)	1:44:A:LEU:HD11	1:71:A:THR:HG23	17	0.15
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG21	17	0.15
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG22	17	0.15
(1,3165)	1:44:A:LEU:HD12	1:71:A:THR:HG23	17	0.15
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG21	17	0.15
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG22	17	0.15
(1,3165)	1:44:A:LEU:HD13	1:71:A:THR:HG23	17	0.15
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG21	17	0.15
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG22	17	0.15
(1,3164)	1:44:B:LEU:HD11	1:71:B:THR:HG23	17	0.15
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG21	17	0.15
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG22	17	0.15
(1,3164)	1:44:B:LEU:HD12	1:71:B:THR:HG23	17	0.15
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG21	17	0.15
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG22	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3164)	1:44:B:LEU:HD13	1:71:B:THR:HG23	17	0.15
(1,3152)	1:81:A:LEU:HD11	1:69:A:TRP:HZ3	9	0.15
(1,3152)	1:81:A:LEU:HD12	1:69:A:TRP:HZ3	9	0.15
(1,3152)	1:81:A:LEU:HD13	1:69:A:TRP:HZ3	9	0.15
(1,3146)	1:51:B:VAL:HG21	1:69:B:TRP:HZ3	18	0.15
(1,3146)	1:51:B:VAL:HG22	1:69:B:TRP:HZ3	18	0.15
(1,3146)	1:51:B:VAL:HG23	1:69:B:TRP:HZ3	18	0.15
(1,3146)	1:51:B:VAL:HG21	1:69:B:TRP:HZ3	19	0.15
(1,3146)	1:51:B:VAL:HG22	1:69:B:TRP:HZ3	19	0.15
(1,3146)	1:51:B:VAL:HG23	1:69:B:TRP:HZ3	19	0.15
(1,3145)	1:51:A:VAL:HG21	1:69:A:TRP:HZ3	18	0.15
(1,3145)	1:51:A:VAL:HG22	1:69:A:TRP:HZ3	18	0.15
(1,3145)	1:51:A:VAL:HG23	1:69:A:TRP:HZ3	18	0.15
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD11	14	0.15
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD12	14	0.15
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD13	14	0.15
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD11	14	0.15
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD12	14	0.15
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD13	14	0.15
(1,3098)	1:65:A:ILE:HD11	1:25:A:THR:HB	16	0.15
(1,3098)	1:65:A:ILE:HD12	1:25:A:THR:HB	16	0.15
(1,3098)	1:65:A:ILE:HD13	1:25:A:THR:HB	16	0.15
(1,3097)	1:65:B:ILE:HD11	1:25:B:THR:HB	16	0.15
(1,3097)	1:65:B:ILE:HD12	1:25:B:THR:HB	16	0.15
(1,3097)	1:65:B:ILE:HD13	1:25:B:THR:HB	16	0.15
(1,3066)	1:24:A:SER:HB2	1:23:A:VAL:H	19	0.15
(1,3049)	1:55:A:ARG:HA	1:55:A:ARG:HD3	13	0.15
(1,3048)	1:55:B:ARG:HA	1:55:B:ARG:HD3	13	0.15
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD11	16	0.15
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD12	16	0.15
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD13	16	0.15
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD11	16	0.15
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD12	16	0.15
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD13	16	0.15
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD11	15	0.15
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD12	15	0.15
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD13	15	0.15
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD11	15	0.15
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD12	15	0.15
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD13	15	0.15
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD11	15	0.15
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD12	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD13	15	0.15
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD11	15	0.15
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD12	15	0.15
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD13	15	0.15
(1,2999)	1:78:A:ILE:HG21	1:79:A:ASN:HA	2	0.15
(1,2999)	1:78:A:ILE:HG22	1:79:A:ASN:HA	2	0.15
(1,2999)	1:78:A:ILE:HG23	1:79:A:ASN:HA	2	0.15
(1,2998)	1:78:B:ILE:HG21	1:79:B:ASN:HA	2	0.15
(1,2998)	1:78:B:ILE:HG22	1:79:B:ASN:HA	2	0.15
(1,2998)	1:78:B:ILE:HG23	1:79:B:ASN:HA	2	0.15
(1,2964)	1:78:B:ILE:HA	1:82:B:ARG:H	17	0.15
(1,2958)	1:29:B:LEU:HA	1:28:B:GLN:HG2	10	0.15
(1,2951)	1:80:A:VAL:HA	1:79:A:ASN:HB2	12	0.15
(1,2951)	1:80:A:VAL:HA	1:79:A:ASN:HB3	16	0.15
(1,2927)	1:44:A:LEU:HD11	1:44:A:LEU:HA	14	0.15
(1,2927)	1:44:A:LEU:HD12	1:44:A:LEU:HA	14	0.15
(1,2927)	1:44:A:LEU:HD13	1:44:A:LEU:HA	14	0.15
(1,2926)	1:44:B:LEU:HD11	1:44:B:LEU:HA	14	0.15
(1,2926)	1:44:B:LEU:HD12	1:44:B:LEU:HA	14	0.15
(1,2926)	1:44:B:LEU:HD13	1:44:B:LEU:HA	14	0.15
(1,2874)	1:88:B:ILE:HB	1:89:B:GLY:HA2	2	0.15
(1,2874)	1:88:B:ILE:HB	1:89:B:GLY:HA2	7	0.15
(1,2874)	1:88:B:ILE:HB	1:89:B:GLY:HA2	19	0.15
(1,2873)	1:88:A:ILE:HB	1:89:A:GLY:HA2	2	0.15
(1,2873)	1:88:A:ILE:HB	1:89:A:GLY:HA2	7	0.15
(1,2873)	1:88:A:ILE:HB	1:89:A:GLY:HA2	19	0.15
(1,2869)	1:79:B:ASN:HB2	1:76:B:LYS:HA	3	0.15
(1,2806)	1:23:B:VAL:HG21	1:24:B:SER:HA	19	0.15
(1,2806)	1:23:B:VAL:HG22	1:24:B:SER:HA	19	0.15
(1,2806)	1:23:B:VAL:HG23	1:24:B:SER:HA	19	0.15
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD11	18	0.15
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD12	18	0.15
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD13	18	0.15
(1,2758)	1:88:B:ILE:HD11	1:85:A:ARG:HA	1	0.15
(1,2758)	1:88:B:ILE:HD12	1:85:A:ARG:HA	1	0.15
(1,2758)	1:88:B:ILE:HD13	1:85:A:ARG:HA	1	0.15
(1,2745)	1:99:A:ARG:HD3	1:99:A:ARG:HB3	4	0.15
(1,2744)	1:99:B:ARG:HD3	1:99:B:ARG:HB3	4	0.15
(1,2744)	1:99:B:ARG:HD3	1:99:B:ARG:HB3	19	0.15
(1,2737)	1:78:B:ILE:HA	1:77:B:ALA:H	4	0.15
(1,2737)	1:78:B:ILE:HA	1:77:B:ALA:H	7	0.15
(1,2737)	1:78:B:ILE:HA	1:77:B:ALA:H	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2737)	1:78:B:ILE:HA	1:77:B:ALA:H	11	0.15
(1,2737)	1:78:B:ILE:HA	1:77:B:ALA:H	16	0.15
(1,2737)	1:78:B:ILE:HA	1:77:B:ALA:H	19	0.15
(1,2737)	1:78:B:ILE:HA	1:77:B:ALA:H	20	0.15
(1,2736)	1:78:A:ILE:HA	1:77:A:ALA:H	4	0.15
(1,2736)	1:78:A:ILE:HA	1:77:A:ALA:H	7	0.15
(1,2736)	1:78:A:ILE:HA	1:77:A:ALA:H	11	0.15
(1,2736)	1:78:A:ILE:HA	1:77:A:ALA:H	16	0.15
(1,2736)	1:78:A:ILE:HA	1:77:A:ALA:H	19	0.15
(1,2718)	1:63:A:ALA:HB1	1:66:A:LEU:H	6	0.15
(1,2718)	1:63:A:ALA:HB2	1:66:A:LEU:H	6	0.15
(1,2718)	1:63:A:ALA:HB3	1:66:A:LEU:H	6	0.15
(1,2717)	1:63:B:ALA:HB1	1:66:B:LEU:H	6	0.15
(1,2717)	1:63:B:ALA:HB2	1:66:B:LEU:H	6	0.15
(1,2717)	1:63:B:ALA:HB3	1:66:B:LEU:H	6	0.15
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD1	6	0.15
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD2	6	0.15
(1,2645)	1:78:A:ILE:HD11	1:96:B:ASN:HD21	3	0.15
(1,2645)	1:78:A:ILE:HD12	1:96:B:ASN:HD21	3	0.15
(1,2645)	1:78:A:ILE:HD13	1:96:B:ASN:HD21	3	0.15
(1,2628)	1:48:A:MET:HG2	1:81:A:LEU:HG	20	0.15
(1,2603)	1:82:B:ARG:HA	1:85:B:ARG:HD3	16	0.15
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG21	12	0.15
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG22	12	0.15
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG23	12	0.15
(1,2576)	1:45:B:LYS:HB2	1:46:B:LEU:HD11	16	0.15
(1,2576)	1:45:B:LYS:HB2	1:46:B:LEU:HD12	16	0.15
(1,2576)	1:45:B:LYS:HB2	1:46:B:LEU:HD13	16	0.15
(1,2575)	1:45:A:LYS:HB2	1:46:A:LEU:HD11	16	0.15
(1,2575)	1:45:A:LYS:HB2	1:46:A:LEU:HD12	16	0.15
(1,2575)	1:45:A:LYS:HB2	1:46:A:LEU:HD13	16	0.15
(1,2559)	1:94:B:ILE:HA	1:98:B:ARG:HG2	9	0.15
(1,2558)	1:94:A:ILE:HA	1:98:A:ARG:HG2	9	0.15
(1,2531)	1:74:B:LYS:HA	1:95:A:LEU:HG	4	0.15
(1,2491)	1:23:B:VAL:HG11	1:24:B:SER:H	20	0.15
(1,2491)	1:23:B:VAL:HG12	1:24:B:SER:H	20	0.15
(1,2491)	1:23:B:VAL:HG13	1:24:B:SER:H	20	0.15
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB2	5	0.15
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB2	5	0.15
(1,2307)	1:90:B:ARG:HA	1:93:B:ASN:H	3	0.15
(1,2296)	1:72:A:ILE:HB	1:73:A:LYS:H	5	0.15
(1,2296)	1:72:A:ILE:HB	1:73:A:LYS:H	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2295)	1:72:B:ILE:HB	1:73:B:LYS:H	1	0.15
(1,2295)	1:72:B:ILE:HB	1:73:B:LYS:H	5	0.15
(1,2295)	1:72:B:ILE:HB	1:73:B:LYS:H	10	0.15
(1,2295)	1:72:B:ILE:HB	1:73:B:LYS:H	11	0.15
(1,2246)	1:45:B:LYS:HA	1:45:B:LYS:HB3	1	0.15
(1,2246)	1:45:B:LYS:HA	1:45:B:LYS:HB3	4	0.15
(1,2246)	1:45:B:LYS:HA	1:45:B:LYS:HB3	9	0.15
(1,2246)	1:45:B:LYS:HA	1:45:B:LYS:HB3	13	0.15
(1,2245)	1:45:A:LYS:HA	1:45:A:LYS:HB3	1	0.15
(1,2245)	1:45:A:LYS:HA	1:45:A:LYS:HB3	4	0.15
(1,2245)	1:45:A:LYS:HA	1:45:A:LYS:HB3	9	0.15
(1,2245)	1:45:A:LYS:HA	1:45:A:LYS:HB3	13	0.15
(1,2241)	1:91:A:MET:HB2	1:93:A:ASN:H	9	0.15
(1,2235)	1:67:B:LYS:HB2	1:67:B:LYS:HA	1	0.15
(1,2235)	1:67:B:LYS:HB2	1:67:B:LYS:HA	19	0.15
(1,2234)	1:67:A:LYS:HB2	1:67:A:LYS:HA	1	0.15
(1,2234)	1:67:A:LYS:HB2	1:67:A:LYS:HA	19	0.15
(1,2228)	1:43:A:PRO:HB2	1:44:A:LEU:H	1	0.15
(1,2160)	1:71:A:THR:HG21	1:41:A:ARG:HG2	10	0.15
(1,2160)	1:71:A:THR:HG22	1:41:A:ARG:HG2	10	0.15
(1,2160)	1:71:A:THR:HG23	1:41:A:ARG:HG2	10	0.15
(1,2152)	1:42:B:GLY:HA2	1:43:B:PRO:HD2	13	0.15
(1,2149)	1:79:B:ASN:H	1:76:B:LYS:HA	4	0.15
(1,2096)	1:23:B:VAL:HG11	1:24:B:SER:H	20	0.15
(1,2096)	1:23:B:VAL:HG12	1:24:B:SER:H	20	0.15
(1,2096)	1:23:B:VAL:HG13	1:24:B:SER:H	20	0.15
(1,2095)	1:23:A:VAL:HG11	1:24:A:SER:H	3	0.15
(1,2095)	1:23:A:VAL:HG12	1:24:A:SER:H	3	0.15
(1,2095)	1:23:A:VAL:HG13	1:24:A:SER:H	3	0.15
(1,2092)	1:45:A:LYS:HE3	1:45:A:LYS:HB3	10	0.15
(1,2091)	1:45:B:LYS:HE3	1:45:B:LYS:HB3	10	0.15
(1,2084)	1:41:B:ARG:HB3	1:42:B:GLY:H	11	0.15
(1,2072)	1:85:A:ARG:HB2	1:85:B:ARG:HD2	9	0.15
(1,2058)	1:49:B:ALA:H	1:52:B:ALA:H	11	0.15
(1,2045)	1:67:A:LYS:HB3	1:67:A:LYS:H	2	0.15
(1,2045)	1:67:A:LYS:HB3	1:67:A:LYS:H	12	0.15
(1,2044)	1:67:B:LYS:HB3	1:67:B:LYS:H	2	0.15
(1,2044)	1:67:B:LYS:HB3	1:67:B:LYS:H	12	0.15
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE1	8	0.15
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE2	8	0.15
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE1	8	0.15
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE2	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2000)	1:23:A:VAL:HB	1:24:A:SER:H	10	0.15
(1,1999)	1:72:A:ILE:HD11	1:73:A:LYS:H	17	0.15
(1,1999)	1:72:A:ILE:HD12	1:73:A:LYS:H	17	0.15
(1,1999)	1:72:A:ILE:HD13	1:73:A:LYS:H	17	0.15
(1,1998)	1:72:B:ILE:HD11	1:73:B:LYS:H	17	0.15
(1,1998)	1:72:B:ILE:HD12	1:73:B:LYS:H	17	0.15
(1,1998)	1:72:B:ILE:HD13	1:73:B:LYS:H	17	0.15
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD21	7	0.15
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD22	7	0.15
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD23	7	0.15
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD21	7	0.15
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD22	7	0.15
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD23	7	0.15
(1,1983)	1:59:A:ILE:H	1:59:A:ILE:HB	13	0.15
(1,1983)	1:59:A:ILE:H	1:59:A:ILE:HB	20	0.15
(1,1982)	1:59:B:ILE:H	1:59:B:ILE:HB	13	0.15
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD21	5	0.15
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD22	5	0.15
(1,1967)	1:29:A:LEU:HD11	1:50:A:LEU:HD23	5	0.15
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD21	5	0.15
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD22	5	0.15
(1,1967)	1:29:A:LEU:HD12	1:50:A:LEU:HD23	5	0.15
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD21	5	0.15
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD22	5	0.15
(1,1967)	1:29:A:LEU:HD13	1:50:A:LEU:HD23	5	0.15
(1,1904)	1:57:B:LEU:HD11	1:57:B:LEU:H	4	0.15
(1,1904)	1:57:B:LEU:HD12	1:57:B:LEU:H	4	0.15
(1,1904)	1:57:B:LEU:HD13	1:57:B:LEU:H	4	0.15
(1,1903)	1:57:A:LEU:HD11	1:57:A:LEU:H	4	0.15
(1,1903)	1:57:A:LEU:HD12	1:57:A:LEU:H	4	0.15
(1,1903)	1:57:A:LEU:HD13	1:57:A:LEU:H	4	0.15
(1,1903)	1:57:A:LEU:HD11	1:57:A:LEU:H	13	0.15
(1,1903)	1:57:A:LEU:HD12	1:57:A:LEU:H	13	0.15
(1,1903)	1:57:A:LEU:HD13	1:57:A:LEU:H	13	0.15
(1,1874)	1:58:A:THR:HA	1:59:A:ILE:H	2	0.15
(1,1874)	1:58:A:THR:HA	1:59:A:ILE:H	17	0.15
(1,1873)	1:58:B:THR:HA	1:59:B:ILE:H	2	0.15
(1,1873)	1:58:B:THR:HA	1:59:B:ILE:H	17	0.15
(1,1858)	1:62:B:THR:HB	1:63:B:ALA:H	7	0.15
(1,1847)	1:22:A:ARG:HA	1:21:A:ASN:HA	10	0.15
(1,1846)	1:22:B:ARG:HA	1:21:B:ASN:HA	10	0.15
(1,1748)	1:88:A:ILE:HG21	1:86:A:LYS:H	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1748)	1:88:A:ILE:HG22	1:86:A:LYS:H	15	0.15
(1,1748)	1:88:A:ILE:HG23	1:86:A:LYS:H	15	0.15
(1,1710)	1:82:A:ARG:HA	1:85:A:ARG:HD3	13	0.15
(1,1702)	1:84:A:PHE:HA	1:87:A:GLU:H	12	0.15
(1,1702)	1:84:A:PHE:HA	1:87:A:GLU:H	19	0.15
(1,1666)	1:95:A:LEU:HG	1:92:A:LEU:HA	16	0.15
(1,1665)	1:95:B:LEU:HG	1:92:B:LEU:HA	16	0.15
(1,1662)	1:78:B:ILE:HG21	1:79:B:ASN:HD21	15	0.15
(1,1662)	1:78:B:ILE:HG22	1:79:B:ASN:HD21	15	0.15
(1,1662)	1:78:B:ILE:HG23	1:79:B:ASN:HD21	15	0.15
(1,1649)	1:95:A:LEU:HD11	1:92:A:LEU:HA	6	0.15
(1,1649)	1:95:A:LEU:HD12	1:92:A:LEU:HA	6	0.15
(1,1649)	1:95:A:LEU:HD13	1:92:A:LEU:HA	6	0.15
(1,1594)	1:85:A:ARG:HB2	1:85:B:ARG:HD2	9	0.15
(1,1510)	1:94:B:ILE:HG21	1:95:B:LEU:HD11	15	0.15
(1,1510)	1:94:B:ILE:HG21	1:95:B:LEU:HD12	15	0.15
(1,1510)	1:94:B:ILE:HG21	1:95:B:LEU:HD13	15	0.15
(1,1510)	1:94:B:ILE:HG22	1:95:B:LEU:HD11	15	0.15
(1,1510)	1:94:B:ILE:HG22	1:95:B:LEU:HD12	15	0.15
(1,1510)	1:94:B:ILE:HG22	1:95:B:LEU:HD13	15	0.15
(1,1510)	1:94:B:ILE:HG23	1:95:B:LEU:HD11	15	0.15
(1,1510)	1:94:B:ILE:HG23	1:95:B:LEU:HD12	15	0.15
(1,1510)	1:94:B:ILE:HG23	1:95:B:LEU:HD13	15	0.15
(1,1509)	1:94:A:ILE:HG21	1:95:A:LEU:HD11	15	0.15
(1,1509)	1:94:A:ILE:HG21	1:95:A:LEU:HD12	15	0.15
(1,1509)	1:94:A:ILE:HG21	1:95:A:LEU:HD13	15	0.15
(1,1509)	1:94:A:ILE:HG22	1:95:A:LEU:HD11	15	0.15
(1,1509)	1:94:A:ILE:HG22	1:95:A:LEU:HD12	15	0.15
(1,1509)	1:94:A:ILE:HG22	1:95:A:LEU:HD13	15	0.15
(1,1509)	1:94:A:ILE:HG23	1:95:A:LEU:HD11	15	0.15
(1,1509)	1:94:A:ILE:HG23	1:95:A:LEU:HD12	15	0.15
(1,1509)	1:94:A:ILE:HG23	1:95:A:LEU:HD13	15	0.15
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG11	14	0.15
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG12	14	0.15
(1,1493)	1:63:B:ALA:HA	1:23:B:VAL:HG13	14	0.15
(1,1484)	1:69:A:TRP:HD1	1:68:A:ARG:HA	1	0.15
(1,1459)	1:60:A:PRO:HA	1:60:A:PRO:HD3	14	0.15
(1,1448)	1:91:B:MET:HA	1:94:B:ILE:H	13	0.15
(1,1448)	1:91:B:MET:HA	1:94:B:ILE:H	14	0.15
(1,1447)	1:91:A:MET:HA	1:94:A:ILE:H	14	0.15
(1,1435)	1:57:B:LEU:HD11	1:57:B:LEU:H	5	0.15
(1,1435)	1:57:B:LEU:HD12	1:57:B:LEU:H	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1435)	1:57:B:LEU:HD13	1:57:B:LEU:H	5	0.15
(1,1431)	1:59:A:ILE:H	1:58:A:THR:H	20	0.15
(1,1332)	1:45:A:LYS:HG2	1:45:A:LYS:H	16	0.15
(1,1288)	1:77:A:ALA:H	1:76:A:LYS:H	10	0.15
(1,1288)	1:77:A:ALA:H	1:76:A:LYS:H	12	0.15
(1,1287)	1:77:B:ALA:H	1:76:B:LYS:H	12	0.15
(1,1274)	1:23:A:VAL:H	1:24:A:SER:HA	2	0.15
(1,1264)	1:22:B:ARG:HG2	1:22:B:ARG:HA	4	0.15
(1,1251)	1:43:B:PRO:HB3	1:43:B:PRO:HD3	6	0.15
(1,1250)	1:43:A:PRO:HB3	1:43:A:PRO:HD3	6	0.15
(1,1210)	1:92:A:LEU:HG	1:91:A:MET:HB2	10	0.15
(1,1187)	1:85:A:ARG:HB2	1:85:B:ARG:HD2	9	0.15
(1,1174)	1:94:B:ILE:HA	1:97:B:ARG:H	16	0.15
(1,1147)	1:25:B:THR:HG21	1:24:B:SER:HA	8	0.15
(1,1147)	1:25:B:THR:HG22	1:24:B:SER:HA	8	0.15
(1,1147)	1:25:B:THR:HG23	1:24:B:SER:HA	8	0.15
(1,1147)	1:25:B:THR:HG21	1:24:B:SER:HA	9	0.15
(1,1147)	1:25:B:THR:HG22	1:24:B:SER:HA	9	0.15
(1,1147)	1:25:B:THR:HG23	1:24:B:SER:HA	9	0.15
(1,1147)	1:25:B:THR:HG21	1:24:B:SER:HA	12	0.15
(1,1147)	1:25:B:THR:HG22	1:24:B:SER:HA	12	0.15
(1,1147)	1:25:B:THR:HG23	1:24:B:SER:HA	12	0.15
(1,1146)	1:25:A:THR:HG21	1:24:A:SER:HA	8	0.15
(1,1146)	1:25:A:THR:HG22	1:24:A:SER:HA	8	0.15
(1,1146)	1:25:A:THR:HG23	1:24:A:SER:HA	8	0.15
(1,1146)	1:25:A:THR:HG21	1:24:A:SER:HA	9	0.15
(1,1146)	1:25:A:THR:HG22	1:24:A:SER:HA	9	0.15
(1,1146)	1:25:A:THR:HG23	1:24:A:SER:HA	9	0.15
(1,1146)	1:25:A:THR:HG21	1:24:A:SER:HA	12	0.15
(1,1146)	1:25:A:THR:HG22	1:24:A:SER:HA	12	0.15
(1,1146)	1:25:A:THR:HG23	1:24:A:SER:HA	12	0.15
(1,1146)	1:25:A:THR:HG21	1:24:A:SER:HA	16	0.15
(1,1146)	1:25:A:THR:HG22	1:24:A:SER:HA	16	0.15
(1,1146)	1:25:A:THR:HG23	1:24:A:SER:HA	16	0.15
(1,1114)	1:92:A:LEU:HD21	1:82:B:ARG:H	12	0.15
(1,1114)	1:92:A:LEU:HD22	1:82:B:ARG:H	12	0.15
(1,1114)	1:92:A:LEU:HD23	1:82:B:ARG:H	12	0.15
(1,1110)	1:41:B:ARG:HA	1:42:B:GLY:H	9	0.15
(1,1081)	1:45:A:LYS:HA	1:47:A:PHE:H	4	0.15
(1,1080)	1:45:B:LYS:HA	1:47:B:PHE:H	4	0.15
(1,1080)	1:45:B:LYS:HA	1:47:B:PHE:H	9	0.15
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD11	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD12	10	0.15
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD13	10	0.15
(1,1043)	1:92:A:LEU:HG	1:92:A:LEU:H	6	0.15
(1,1043)	1:92:A:LEU:HG	1:92:A:LEU:H	8	0.15
(1,1043)	1:92:A:LEU:HG	1:92:A:LEU:H	11	0.15
(1,1042)	1:92:B:LEU:HG	1:92:B:LEU:H	6	0.15
(1,1042)	1:92:B:LEU:HG	1:92:B:LEU:H	8	0.15
(1,1042)	1:92:B:LEU:HG	1:92:B:LEU:H	11	0.15
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD11	11	0.15
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD12	11	0.15
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD13	11	0.15
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD11	11	0.15
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD12	11	0.15
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD13	11	0.15
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD11	13	0.15
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD12	13	0.15
(1,1017)	1:96:B:ASN:HA	1:78:A:ILE:HD13	13	0.15
(1,1008)	1:65:A:ILE:HD11	1:61:A:PRO:HB3	4	0.15
(1,1008)	1:65:A:ILE:HD12	1:61:A:PRO:HB3	4	0.15
(1,1008)	1:65:A:ILE:HD13	1:61:A:PRO:HB3	4	0.15
(1,976)	1:54:A:LEU:H	1:54:A:LEU:HB2	11	0.15
(1,976)	1:54:A:LEU:H	1:54:A:LEU:HB2	12	0.15
(1,975)	1:54:B:LEU:H	1:54:B:LEU:HB2	11	0.15
(1,975)	1:54:B:LEU:H	1:54:B:LEU:HB2	12	0.15
(1,927)	1:80:A:VAL:HG21	1:45:A:LYS:HG3	20	0.15
(1,927)	1:80:A:VAL:HG22	1:45:A:LYS:HG3	20	0.15
(1,927)	1:80:A:VAL:HG23	1:45:A:LYS:HG3	20	0.15
(1,894)	1:25:A:THR:HG21	1:25:A:THR:H	2	0.15
(1,894)	1:25:A:THR:HG22	1:25:A:THR:H	2	0.15
(1,894)	1:25:A:THR:HG23	1:25:A:THR:H	2	0.15
(1,894)	1:25:A:THR:HG21	1:25:A:THR:H	10	0.15
(1,894)	1:25:A:THR:HG22	1:25:A:THR:H	10	0.15
(1,894)	1:25:A:THR:HG23	1:25:A:THR:H	10	0.15
(1,893)	1:25:B:THR:HG21	1:25:B:THR:H	2	0.15
(1,893)	1:25:B:THR:HG22	1:25:B:THR:H	2	0.15
(1,893)	1:25:B:THR:HG23	1:25:B:THR:H	2	0.15
(1,893)	1:25:B:THR:HG21	1:25:B:THR:H	6	0.15
(1,893)	1:25:B:THR:HG22	1:25:B:THR:H	6	0.15
(1,893)	1:25:B:THR:HG23	1:25:B:THR:H	6	0.15
(1,893)	1:25:B:THR:HG21	1:25:B:THR:H	10	0.15
(1,893)	1:25:B:THR:HG22	1:25:B:THR:H	10	0.15
(1,893)	1:25:B:THR:HG23	1:25:B:THR:H	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG21	10	0.15
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG22	10	0.15
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG23	10	0.15
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG21	15	0.15
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG22	15	0.15
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG23	15	0.15
(1,797)	1:59:A:ILE:HB	1:60:A:PRO:HD2	2	0.15
(1,796)	1:59:B:ILE:HB	1:60:B:PRO:HD2	2	0.15
(1,783)	1:22:A:ARG:HG3	1:23:A:VAL:H	14	0.15
(1,775)	1:88:A:ILE:HG21	1:89:A:GLY:HA2	5	0.15
(1,775)	1:88:A:ILE:HG22	1:89:A:GLY:HA2	5	0.15
(1,775)	1:88:A:ILE:HG23	1:89:A:GLY:HA2	5	0.15
(1,774)	1:88:B:ILE:HG21	1:89:B:GLY:HA2	5	0.15
(1,774)	1:88:B:ILE:HG22	1:89:B:GLY:HA2	5	0.15
(1,774)	1:88:B:ILE:HG23	1:89:B:GLY:HA2	5	0.15
(1,742)	1:77:B:ALA:H	1:80:B:VAL:H	2	0.15
(1,741)	1:77:A:ALA:H	1:80:A:VAL:H	2	0.15
(1,705)	1:79:A:ASN:H	1:79:A:ASN:HB2	12	0.15
(1,663)	1:62:A:THR:H	1:66:A:LEU:H	16	0.15
(1,662)	1:62:B:THR:H	1:66:B:LEU:H	16	0.15
(1,651)	1:51:B:VAL:HG11	1:48:B:MET:HA	1	0.15
(1,651)	1:51:B:VAL:HG12	1:48:B:MET:HA	1	0.15
(1,651)	1:51:B:VAL:HG13	1:48:B:MET:HA	1	0.15
(1,650)	1:51:A:VAL:HG11	1:48:A:MET:HA	1	0.15
(1,650)	1:51:A:VAL:HG12	1:48:A:MET:HA	1	0.15
(1,650)	1:51:A:VAL:HG13	1:48:A:MET:HA	1	0.15
(1,640)	1:93:A:ASN:H	1:93:A:ASN:HB3	2	0.15
(1,640)	1:93:A:ASN:H	1:93:A:ASN:HB3	20	0.15
(1,639)	1:93:B:ASN:H	1:93:B:ASN:HB3	20	0.15
(1,559)	1:65:A:ILE:HD11	1:51:A:VAL:HA	20	0.15
(1,559)	1:65:A:ILE:HD12	1:51:A:VAL:HA	20	0.15
(1,559)	1:65:A:ILE:HD13	1:51:A:VAL:HA	20	0.15
(1,558)	1:65:B:ILE:HD11	1:51:B:VAL:HA	20	0.15
(1,558)	1:65:B:ILE:HD12	1:51:B:VAL:HA	20	0.15
(1,558)	1:65:B:ILE:HD13	1:51:B:VAL:HA	20	0.15
(1,534)	1:92:B:LEU:HD11	1:82:A:ARG:HA	16	0.15
(1,534)	1:92:B:LEU:HD12	1:82:A:ARG:HA	16	0.15
(1,534)	1:92:B:LEU:HD13	1:82:A:ARG:HA	16	0.15
(1,516)	1:79:A:ASN:H	1:77:A:ALA:H	3	0.15
(1,516)	1:79:A:ASN:H	1:77:A:ALA:H	14	0.15
(1,516)	1:79:A:ASN:H	1:77:A:ALA:H	19	0.15
(1,516)	1:79:A:ASN:H	1:77:A:ALA:H	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,515)	1:79:B:ASN:H	1:77:B:ALA:H	3	0.15
(1,515)	1:79:B:ASN:H	1:77:B:ALA:H	18	0.15
(1,515)	1:79:B:ASN:H	1:77:B:ALA:H	20	0.15
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB1	4	0.15
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB2	4	0.15
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB3	4	0.15
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB1	4	0.15
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB2	4	0.15
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB3	4	0.15
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB1	4	0.15
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB2	4	0.15
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB3	4	0.15
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB1	19	0.15
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB2	19	0.15
(1,426)	1:49:B:ALA:HB1	1:52:B:ALA:HB3	19	0.15
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB1	19	0.15
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB2	19	0.15
(1,426)	1:49:B:ALA:HB2	1:52:B:ALA:HB3	19	0.15
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB1	19	0.15
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB2	19	0.15
(1,426)	1:49:B:ALA:HB3	1:52:B:ALA:HB3	19	0.15
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB1	4	0.15
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB2	4	0.15
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB3	4	0.15
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB1	4	0.15
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB2	4	0.15
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB3	4	0.15
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB1	4	0.15
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB2	4	0.15
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB3	4	0.15
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB1	19	0.15
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB2	19	0.15
(1,425)	1:49:A:ALA:HB1	1:52:A:ALA:HB3	19	0.15
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB1	19	0.15
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB2	19	0.15
(1,425)	1:49:A:ALA:HB2	1:52:A:ALA:HB3	19	0.15
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB1	19	0.15
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB2	19	0.15
(1,425)	1:49:A:ALA:HB3	1:52:A:ALA:HB3	19	0.15
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB1	1	0.15
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB2	1	0.15
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB3	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB1	14	0.15
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB2	14	0.15
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB3	14	0.15
(1,362)	1:76:B:LYS:HB3	1:76:B:LYS:H	6	0.15
(1,351)	1:65:B:ILE:HD11	1:65:B:ILE:H	10	0.15
(1,351)	1:65:B:ILE:HD12	1:65:B:ILE:H	10	0.15
(1,351)	1:65:B:ILE:HD13	1:65:B:ILE:H	10	0.15
(1,341)	1:75:A:SER:H	1:75:A:SER:HB2	20	0.15
(1,340)	1:75:B:SER:H	1:75:B:SER:HB2	20	0.15
(1,304)	1:84:B:PHE:HD1	1:87:B:GLU:HB2	13	0.15
(1,304)	1:84:B:PHE:HD2	1:87:B:GLU:HB2	13	0.15
(1,303)	1:84:A:PHE:HD1	1:87:A:GLU:HB2	13	0.15
(1,303)	1:84:A:PHE:HD2	1:87:A:GLU:HB2	13	0.15
(1,279)	1:41:B:ARG:H	1:38:B:LEU:HA	12	0.15
(1,200)	1:57:A:LEU:HD11	1:45:B:LYS:HA	4	0.15
(1,200)	1:57:A:LEU:HD12	1:45:B:LYS:HA	4	0.15
(1,200)	1:57:A:LEU:HD13	1:45:B:LYS:HA	4	0.15
(1,199)	1:57:B:LEU:HD11	1:45:A:LYS:HA	4	0.15
(1,199)	1:57:B:LEU:HD12	1:45:A:LYS:HA	4	0.15
(1,199)	1:57:B:LEU:HD13	1:45:A:LYS:HA	4	0.15
(1,192)	1:77:B:ALA:HB1	1:75:B:SER:H	7	0.15
(1,192)	1:77:B:ALA:HB2	1:75:B:SER:H	7	0.15
(1,192)	1:77:B:ALA:HB3	1:75:B:SER:H	7	0.15
(1,191)	1:77:A:ALA:HB1	1:75:A:SER:H	7	0.15
(1,191)	1:77:A:ALA:HB2	1:75:A:SER:H	7	0.15
(1,191)	1:77:A:ALA:HB3	1:75:A:SER:H	7	0.15
(1,142)	1:69:A:TRP:HZ2	1:95:B:LEU:H	5	0.15
(1,94)	1:57:B:LEU:HD21	1:49:A:ALA:HA	14	0.15
(1,94)	1:57:B:LEU:HD22	1:49:A:ALA:HA	14	0.15
(1,94)	1:57:B:LEU:HD23	1:49:A:ALA:HA	14	0.15
(1,50)	1:45:B:LYS:HE2	1:57:A:LEU:HA	20	0.15
(2,300)	1:27:A:GLN:HB2	1:25:A:THR:H	12	0.14
(2,247)	1:72:A:ILE:HG13	1:72:A:ILE:HB	5	0.14
(2,245)	1:55:A:ARG:HB2	1:56:A:PHE:H	7	0.14
(2,187)	1:76:A:LYS:HB3	1:76:A:LYS:H	18	0.14
(2,177)	1:69:B:TRP:H	1:68:B:ARG:HB2	1	0.14
(2,168)	1:81:A:LEU:HB3	1:48:A:MET:HG2	12	0.14
(2,148)	1:32:A:ARG:H	1:29:A:LEU:HB2	20	0.14
(2,82)	1:68:B:ARG:H	1:68:B:ARG:HB3	9	0.14
(1,3403)	1:29:A:LEU:H	1:30:A:THR:HA	6	0.14
(1,3387)	1:77:B:ALA:HB1	1:95:A:LEU:HB2	14	0.14
(1,3387)	1:77:B:ALA:HB2	1:95:A:LEU:HB2	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3387)	1:77:B:ALA:HB3	1:95:A:LEU:HB2	14	0.14
(1,3382)	1:87:B:GLU:HB3	1:55:A:ARG:HG3	12	0.14
(1,3363)	1:51:A:VAL:HG21	1:65:A:ILE:HG13	13	0.14
(1,3363)	1:51:A:VAL:HG22	1:65:A:ILE:HG13	13	0.14
(1,3363)	1:51:A:VAL:HG23	1:65:A:ILE:HG13	13	0.14
(1,3362)	1:51:B:VAL:HG21	1:65:B:ILE:HG13	13	0.14
(1,3362)	1:51:B:VAL:HG22	1:65:B:ILE:HG13	13	0.14
(1,3362)	1:51:B:VAL:HG23	1:65:B:ILE:HG13	13	0.14
(1,3357)	1:84:B:PHE:HD1	1:87:B:GLU:HA	2	0.14
(1,3357)	1:84:B:PHE:HD2	1:87:B:GLU:HA	2	0.14
(1,3356)	1:84:A:PHE:HD1	1:87:A:GLU:HA	2	0.14
(1,3356)	1:84:A:PHE:HD2	1:87:A:GLU:HA	2	0.14
(1,3342)	1:86:A:LYS:HA	1:89:A:GLY:HA2	13	0.14
(1,3342)	1:86:A:LYS:HA	1:89:A:GLY:HA2	18	0.14
(1,3338)	1:77:B:ALA:HB1	1:78:B:ILE:HB	8	0.14
(1,3338)	1:77:B:ALA:HB2	1:78:B:ILE:HB	8	0.14
(1,3338)	1:77:B:ALA:HB3	1:78:B:ILE:HB	8	0.14
(1,3338)	1:77:B:ALA:HB1	1:78:B:ILE:HB	13	0.14
(1,3338)	1:77:B:ALA:HB2	1:78:B:ILE:HB	13	0.14
(1,3338)	1:77:B:ALA:HB3	1:78:B:ILE:HB	13	0.14
(1,3337)	1:77:A:ALA:HB1	1:78:A:ILE:HB	8	0.14
(1,3337)	1:77:A:ALA:HB2	1:78:A:ILE:HB	8	0.14
(1,3337)	1:77:A:ALA:HB3	1:78:A:ILE:HB	8	0.14
(1,3337)	1:77:A:ALA:HB1	1:78:A:ILE:HB	13	0.14
(1,3337)	1:77:A:ALA:HB2	1:78:A:ILE:HB	13	0.14
(1,3337)	1:77:A:ALA:HB3	1:78:A:ILE:HB	13	0.14
(1,3334)	1:97:A:ARG:HA	1:94:A:ILE:HA	10	0.14
(1,3333)	1:97:B:ARG:HA	1:94:B:ILE:HA	10	0.14
(1,3321)	1:88:B:ILE:HA	1:90:B:ARG:H	17	0.14
(1,3320)	1:88:A:ILE:HA	1:90:A:ARG:H	17	0.14
(1,3297)	1:30:B:THR:HG21	1:28:B:GLN:HA	1	0.14
(1,3297)	1:30:B:THR:HG22	1:28:B:GLN:HA	1	0.14
(1,3297)	1:30:B:THR:HG23	1:28:B:GLN:HA	1	0.14
(1,3297)	1:30:B:THR:HG21	1:28:B:GLN:HA	20	0.14
(1,3297)	1:30:B:THR:HG22	1:28:B:GLN:HA	20	0.14
(1,3297)	1:30:B:THR:HG23	1:28:B:GLN:HA	20	0.14
(1,3296)	1:30:A:THR:HG21	1:28:A:GLN:HA	20	0.14
(1,3296)	1:30:A:THR:HG22	1:28:A:GLN:HA	20	0.14
(1,3296)	1:30:A:THR:HG23	1:28:A:GLN:HA	20	0.14
(1,3248)	1:26:A:VAL:HG21	1:27:A:GLN:HG3	4	0.14
(1,3248)	1:26:A:VAL:HG22	1:27:A:GLN:HG3	4	0.14
(1,3248)	1:26:A:VAL:HG23	1:27:A:GLN:HG3	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3245)	1:61:B:PRO:HA	1:54:B:LEU:HB3	4	0.14
(1,3244)	1:61:A:PRO:HA	1:54:A:LEU:HB3	4	0.14
(1,3206)	1:49:A:ALA:HA	1:53:B:PHE:HA	11	0.14
(1,3205)	1:49:B:ALA:HA	1:53:A:PHE:HA	11	0.14
(1,3204)	1:97:B:ARG:HA	1:97:B:ARG:HD2	13	0.14
(1,3203)	1:97:A:ARG:HA	1:97:A:ARG:HD2	13	0.14
(1,3190)	1:66:B:LEU:HD21	1:60:B:PRO:HA	3	0.14
(1,3190)	1:66:B:LEU:HD22	1:60:B:PRO:HA	3	0.14
(1,3190)	1:66:B:LEU:HD23	1:60:B:PRO:HA	3	0.14
(1,3145)	1:51:A:VAL:HG21	1:69:A:TRP:HZ3	19	0.14
(1,3145)	1:51:A:VAL:HG22	1:69:A:TRP:HZ3	19	0.14
(1,3145)	1:51:A:VAL:HG23	1:69:A:TRP:HZ3	19	0.14
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD11	2	0.14
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD12	2	0.14
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD13	2	0.14
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD11	19	0.14
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD12	19	0.14
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD13	19	0.14
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD11	2	0.14
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD12	2	0.14
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD13	2	0.14
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD11	19	0.14
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD12	19	0.14
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD13	19	0.14
(1,3124)	1:63:B:ALA:HB1	1:23:B:VAL:HG21	1	0.14
(1,3124)	1:63:B:ALA:HB1	1:23:B:VAL:HG22	1	0.14
(1,3124)	1:63:B:ALA:HB1	1:23:B:VAL:HG23	1	0.14
(1,3124)	1:63:B:ALA:HB2	1:23:B:VAL:HG21	1	0.14
(1,3124)	1:63:B:ALA:HB2	1:23:B:VAL:HG22	1	0.14
(1,3124)	1:63:B:ALA:HB2	1:23:B:VAL:HG23	1	0.14
(1,3124)	1:63:B:ALA:HB3	1:23:B:VAL:HG21	1	0.14
(1,3124)	1:63:B:ALA:HB3	1:23:B:VAL:HG22	1	0.14
(1,3124)	1:63:B:ALA:HB3	1:23:B:VAL:HG23	1	0.14
(1,3051)	1:77:A:ALA:H	1:44:A:LEU:HG	13	0.14
(1,3050)	1:77:B:ALA:H	1:44:B:LEU:HG	13	0.14
(1,3037)	1:44:B:LEU:HD11	1:44:B:LEU:H	1	0.14
(1,3037)	1:44:B:LEU:HD12	1:44:B:LEU:H	1	0.14
(1,3037)	1:44:B:LEU:HD13	1:44:B:LEU:H	1	0.14
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD11	5	0.14
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD12	5	0.14
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD13	5	0.14
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD11	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD12	5	0.14
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD13	5	0.14
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD11	6	0.14
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD12	6	0.14
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD13	6	0.14
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD11	6	0.14
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD12	6	0.14
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD13	6	0.14
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD11	8	0.14
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD12	8	0.14
(1,3017)	1:53:B:PHE:HD1	1:50:B:LEU:HD13	8	0.14
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD11	8	0.14
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD12	8	0.14
(1,3017)	1:53:B:PHE:HD2	1:50:B:LEU:HD13	8	0.14
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD11	6	0.14
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD12	6	0.14
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD13	6	0.14
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD11	6	0.14
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD12	6	0.14
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD13	6	0.14
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD11	8	0.14
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD12	8	0.14
(1,3016)	1:53:A:PHE:HD1	1:50:A:LEU:HD13	8	0.14
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD11	8	0.14
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD12	8	0.14
(1,3016)	1:53:A:PHE:HD2	1:50:A:LEU:HD13	8	0.14
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD21	3	0.14
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD22	3	0.14
(1,3007)	1:47:B:PHE:HA	1:46:B:LEU:HD23	3	0.14
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD21	3	0.14
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD22	3	0.14
(1,3006)	1:47:A:PHE:HA	1:46:A:LEU:HD23	3	0.14
(1,2965)	1:78:A:ILE:HA	1:82:A:ARG:H	2	0.14
(1,2965)	1:78:A:ILE:HA	1:82:A:ARG:H	17	0.14
(1,2964)	1:78:B:ILE:HA	1:82:B:ARG:H	2	0.14
(1,2951)	1:80:A:VAL:HA	1:79:A:ASN:HB3	15	0.14
(1,2951)	1:80:A:VAL:HA	1:79:A:ASN:HB3	18	0.14
(1,2950)	1:80:B:VAL:HA	1:79:B:ASN:HB3	15	0.14
(1,2876)	1:60:B:PRO:HG2	1:59:B:ILE:HG13	14	0.14
(1,2875)	1:60:A:PRO:HG2	1:59:A:ILE:HG13	14	0.14
(1,2874)	1:88:B:ILE:HB	1:89:B:GLY:HA2	17	0.14
(1,2848)	1:89:B:GLY:H	1:86:B:LYS:HA	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2847)	1:89:A:GLY:H	1:86:A:LYS:HA	18	0.14
(1,2774)	1:53:B:PHE:HD1	1:51:A:VAL:H	11	0.14
(1,2774)	1:53:B:PHE:HD2	1:51:A:VAL:H	11	0.14
(1,2769)	1:57:B:LEU:HD21	1:46:A:LEU:HD11	5	0.14
(1,2769)	1:57:B:LEU:HD21	1:46:A:LEU:HD12	5	0.14
(1,2769)	1:57:B:LEU:HD21	1:46:A:LEU:HD13	5	0.14
(1,2769)	1:57:B:LEU:HD22	1:46:A:LEU:HD11	5	0.14
(1,2769)	1:57:B:LEU:HD22	1:46:A:LEU:HD12	5	0.14
(1,2769)	1:57:B:LEU:HD22	1:46:A:LEU:HD13	5	0.14
(1,2769)	1:57:B:LEU:HD23	1:46:A:LEU:HD11	5	0.14
(1,2769)	1:57:B:LEU:HD23	1:46:A:LEU:HD12	5	0.14
(1,2769)	1:57:B:LEU:HD23	1:46:A:LEU:HD13	5	0.14
(1,2745)	1:99:A:ARG:HD3	1:99:A:ARG:HB3	19	0.14
(1,2737)	1:78:B:ILE:HA	1:77:B:ALA:H	17	0.14
(1,2736)	1:78:A:ILE:HA	1:77:A:ALA:H	8	0.14
(1,2736)	1:78:A:ILE:HA	1:77:A:ALA:H	17	0.14
(1,2727)	1:32:B:ARG:H	1:29:B:LEU:HB2	20	0.14
(1,2722)	1:65:B:ILE:HD11	1:25:B:THR:HA	4	0.14
(1,2722)	1:65:B:ILE:HD12	1:25:B:THR:HA	4	0.14
(1,2722)	1:65:B:ILE:HD13	1:25:B:THR:HA	4	0.14
(1,2721)	1:65:A:ILE:HD11	1:25:A:THR:HA	4	0.14
(1,2721)	1:65:A:ILE:HD12	1:25:A:THR:HA	4	0.14
(1,2721)	1:65:A:ILE:HD13	1:25:A:THR:HA	4	0.14
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD1	6	0.14
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD2	6	0.14
(1,2691)	1:68:B:ARG:HA	1:68:B:ARG:HD2	14	0.14
(1,2650)	1:71:A:THR:HG21	1:76:A:LYS:HE3	4	0.14
(1,2650)	1:71:A:THR:HG22	1:76:A:LYS:HE3	4	0.14
(1,2650)	1:71:A:THR:HG23	1:76:A:LYS:HE3	4	0.14
(1,2604)	1:82:A:ARG:HA	1:85:A:ARG:HD3	3	0.14
(1,2604)	1:82:A:ARG:HA	1:85:A:ARG:HD3	18	0.14
(1,2534)	1:27:A:GLN:HA	1:27:A:GLN:HG2	7	0.14
(1,2533)	1:27:B:GLN:HA	1:27:B:GLN:HG2	7	0.14
(1,2532)	1:74:A:LYS:HA	1:95:B:LEU:HG	9	0.14
(1,2491)	1:23:B:VAL:HG11	1:24:B:SER:H	4	0.14
(1,2491)	1:23:B:VAL:HG12	1:24:B:SER:H	4	0.14
(1,2491)	1:23:B:VAL:HG13	1:24:B:SER:H	4	0.14
(1,2452)	1:83:A:GLY:H	1:84:A:PHE:HB2	12	0.14
(1,2417)	1:62:B:THR:H	1:63:B:ALA:HA	3	0.14
(1,2417)	1:62:B:THR:H	1:63:B:ALA:HA	4	0.14
(1,2416)	1:62:A:THR:H	1:63:A:ALA:HA	3	0.14
(1,2416)	1:62:A:THR:H	1:63:A:ALA:HA	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2329)	1:91:A:MET:HA	1:94:A:ILE:HG13	19	0.14
(1,2328)	1:91:B:MET:HA	1:94:B:ILE:HG13	19	0.14
(1,2327)	1:64:A:GLY:HA3	1:67:A:LYS:H	17	0.14
(1,2326)	1:64:B:GLY:HA3	1:67:B:LYS:H	17	0.14
(1,2306)	1:90:A:ARG:HA	1:93:A:ASN:H	3	0.14
(1,2296)	1:72:A:ILE:HB	1:73:A:LYS:H	10	0.14
(1,2295)	1:72:B:ILE:HB	1:73:B:LYS:H	4	0.14
(1,2242)	1:91:B:MET:HB2	1:93:B:ASN:H	12	0.14
(1,2235)	1:67:B:LYS:HB3	1:67:B:LYS:HA	8	0.14
(1,2234)	1:67:A:LYS:HB3	1:67:A:LYS:HA	8	0.14
(1,2229)	1:43:B:PRO:HB2	1:44:B:LEU:H	1	0.14
(1,2153)	1:42:A:GLY:HA2	1:43:A:PRO:HD2	3	0.14
(1,2153)	1:42:A:GLY:HA2	1:43:A:PRO:HD2	20	0.14
(1,2152)	1:42:B:GLY:HA2	1:43:B:PRO:HD2	3	0.14
(1,2152)	1:42:B:GLY:HA2	1:43:B:PRO:HD2	20	0.14
(1,2108)	1:61:B:PRO:HA	1:54:B:LEU:HD11	13	0.14
(1,2108)	1:61:B:PRO:HA	1:54:B:LEU:HD12	13	0.14
(1,2108)	1:61:B:PRO:HA	1:54:B:LEU:HD13	13	0.14
(1,2107)	1:61:A:PRO:HA	1:54:A:LEU:HD11	13	0.14
(1,2107)	1:61:A:PRO:HA	1:54:A:LEU:HD12	13	0.14
(1,2107)	1:61:A:PRO:HA	1:54:A:LEU:HD13	13	0.14
(1,2096)	1:23:B:VAL:HG11	1:24:B:SER:H	4	0.14
(1,2096)	1:23:B:VAL:HG12	1:24:B:SER:H	4	0.14
(1,2096)	1:23:B:VAL:HG13	1:24:B:SER:H	4	0.14
(1,2095)	1:23:A:VAL:HG11	1:24:A:SER:H	2	0.14
(1,2095)	1:23:A:VAL:HG12	1:24:A:SER:H	2	0.14
(1,2095)	1:23:A:VAL:HG13	1:24:A:SER:H	2	0.14
(1,2086)	1:92:A:LEU:HG	1:93:A:ASN:H	17	0.14
(1,2086)	1:92:A:LEU:HG	1:93:A:ASN:H	18	0.14
(1,2085)	1:92:B:LEU:HG	1:93:B:ASN:H	17	0.14
(1,2085)	1:92:B:LEU:HG	1:93:B:ASN:H	18	0.14
(1,2079)	1:23:A:VAL:HB	1:63:A:ALA:HB1	7	0.14
(1,2079)	1:23:A:VAL:HB	1:63:A:ALA:HB2	7	0.14
(1,2079)	1:23:A:VAL:HB	1:63:A:ALA:HB3	7	0.14
(1,2073)	1:85:B:ARG:HB2	1:85:A:ARG:HD2	9	0.14
(1,2069)	1:68:A:ARG:H	1:68:A:ARG:HB3	9	0.14
(1,2058)	1:49:B:ALA:H	1:52:B:ALA:H	8	0.14
(1,2043)	1:72:B:ILE:H	1:72:B:ILE:HG21	10	0.14
(1,2043)	1:72:B:ILE:H	1:72:B:ILE:HG22	10	0.14
(1,2043)	1:72:B:ILE:H	1:72:B:ILE:HG23	10	0.14
(1,2043)	1:72:B:ILE:H	1:72:B:ILE:HG21	13	0.14
(1,2043)	1:72:B:ILE:H	1:72:B:ILE:HG22	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:72:B:ILE:H	1:72:B:ILE:HG23	13	0.14
(1,2042)	1:72:A:ILE:H	1:72:A:ILE:HG21	10	0.14
(1,2042)	1:72:A:ILE:H	1:72:A:ILE:HG22	10	0.14
(1,2042)	1:72:A:ILE:H	1:72:A:ILE:HG23	10	0.14
(1,2042)	1:72:A:ILE:H	1:72:A:ILE:HG21	13	0.14
(1,2042)	1:72:A:ILE:H	1:72:A:ILE:HG22	13	0.14
(1,2042)	1:72:A:ILE:H	1:72:A:ILE:HG23	13	0.14
(1,2001)	1:23:B:VAL:HB	1:24:B:SER:H	10	0.14
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD21	5	0.14
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD22	5	0.14
(1,1966)	1:29:B:LEU:HD11	1:50:B:LEU:HD23	5	0.14
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD21	5	0.14
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD22	5	0.14
(1,1966)	1:29:B:LEU:HD12	1:50:B:LEU:HD23	5	0.14
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD21	5	0.14
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD22	5	0.14
(1,1966)	1:29:B:LEU:HD13	1:50:B:LEU:HD23	5	0.14
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD11	12	0.14
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD12	12	0.14
(1,1963)	1:29:B:LEU:HD21	1:50:B:LEU:HD13	12	0.14
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD11	12	0.14
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD12	12	0.14
(1,1963)	1:29:B:LEU:HD22	1:50:B:LEU:HD13	12	0.14
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD11	12	0.14
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD12	12	0.14
(1,1963)	1:29:B:LEU:HD23	1:50:B:LEU:HD13	12	0.14
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD11	12	0.14
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD12	12	0.14
(1,1962)	1:29:A:LEU:HD21	1:50:A:LEU:HD13	12	0.14
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD11	12	0.14
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD12	12	0.14
(1,1962)	1:29:A:LEU:HD22	1:50:A:LEU:HD13	12	0.14
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD11	12	0.14
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD12	12	0.14
(1,1962)	1:29:A:LEU:HD23	1:50:A:LEU:HD13	12	0.14
(1,1951)	1:62:B:THR:HA	1:24:B:SER:H	10	0.14
(1,1920)	1:57:A:LEU:H	1:58:A:THR:H	19	0.14
(1,1904)	1:57:B:LEU:HD11	1:57:B:LEU:H	13	0.14
(1,1904)	1:57:B:LEU:HD12	1:57:B:LEU:H	13	0.14
(1,1904)	1:57:B:LEU:HD13	1:57:B:LEU:H	13	0.14
(1,1903)	1:57:A:LEU:HD11	1:57:A:LEU:H	16	0.14
(1,1903)	1:57:A:LEU:HD12	1:57:A:LEU:H	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1903)	1:57:A:LEU:HD13	1:57:A:LEU:H	16	0.14
(1,1867)	1:94:A:ILE:HG21	1:91:A:MET:HA	18	0.14
(1,1867)	1:94:A:ILE:HG22	1:91:A:MET:HA	18	0.14
(1,1867)	1:94:A:ILE:HG23	1:91:A:MET:HA	18	0.14
(1,1866)	1:94:B:ILE:HG21	1:91:B:MET:HA	18	0.14
(1,1866)	1:94:B:ILE:HG22	1:91:B:MET:HA	18	0.14
(1,1866)	1:94:B:ILE:HG23	1:91:B:MET:HA	18	0.14
(1,1859)	1:62:A:THR:HB	1:63:A:ALA:H	7	0.14
(1,1818)	1:80:B:VAL:HG21	1:77:B:ALA:HA	4	0.14
(1,1818)	1:80:B:VAL:HG22	1:77:B:ALA:HA	4	0.14
(1,1818)	1:80:B:VAL:HG23	1:77:B:ALA:HA	4	0.14
(1,1817)	1:80:A:VAL:HG21	1:77:A:ALA:HA	4	0.14
(1,1817)	1:80:A:VAL:HG22	1:77:A:ALA:HA	4	0.14
(1,1817)	1:80:A:VAL:HG23	1:77:A:ALA:HA	4	0.14
(1,1814)	1:81:A:LEU:H	1:77:A:ALA:HA	3	0.14
(1,1814)	1:81:A:LEU:H	1:77:A:ALA:HA	11	0.14
(1,1813)	1:81:B:LEU:H	1:77:B:ALA:HA	3	0.14
(1,1813)	1:81:B:LEU:H	1:77:B:ALA:HA	11	0.14
(1,1786)	1:86:B:LYS:HG3	1:86:B:LYS:H	8	0.14
(1,1782)	1:44:A:LEU:HA	1:47:A:PHE:HB2	3	0.14
(1,1781)	1:44:B:LEU:HA	1:47:B:PHE:HB2	3	0.14
(1,1748)	1:88:A:ILE:HG21	1:86:A:LYS:H	10	0.14
(1,1748)	1:88:A:ILE:HG22	1:86:A:LYS:H	10	0.14
(1,1748)	1:88:A:ILE:HG23	1:86:A:LYS:H	10	0.14
(1,1747)	1:88:B:ILE:HG21	1:86:B:LYS:H	10	0.14
(1,1747)	1:88:B:ILE:HG22	1:86:B:LYS:H	10	0.14
(1,1747)	1:88:B:ILE:HG23	1:86:B:LYS:H	10	0.14
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD11	1	0.14
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD12	1	0.14
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD13	1	0.14
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD11	1	0.14
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD12	1	0.14
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD13	1	0.14
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD11	1	0.14
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD12	1	0.14
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD13	1	0.14
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD11	15	0.14
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD12	15	0.14
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD13	15	0.14
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD11	15	0.14
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD12	15	0.14
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD13	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD11	15	0.14
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD12	15	0.14
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD13	15	0.14
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD11	1	0.14
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD12	1	0.14
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD13	1	0.14
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD11	1	0.14
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD12	1	0.14
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD13	1	0.14
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD11	1	0.14
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD12	1	0.14
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD13	1	0.14
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD11	14	0.14
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD12	14	0.14
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD13	14	0.14
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD11	14	0.14
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD12	14	0.14
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD13	14	0.14
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD11	14	0.14
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD12	14	0.14
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD13	14	0.14
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD11	15	0.14
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD12	15	0.14
(1,1706)	1:72:B:ILE:HD11	1:44:B:LEU:HD13	15	0.14
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD11	15	0.14
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD12	15	0.14
(1,1706)	1:72:B:ILE:HD12	1:44:B:LEU:HD13	15	0.14
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD11	15	0.14
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD12	15	0.14
(1,1706)	1:72:B:ILE:HD13	1:44:B:LEU:HD13	15	0.14
(1,1668)	1:78:A:ILE:HG21	1:92:B:LEU:HA	15	0.14
(1,1668)	1:78:A:ILE:HG22	1:92:B:LEU:HA	15	0.14
(1,1668)	1:78:A:ILE:HG23	1:92:B:LEU:HA	15	0.14
(1,1667)	1:78:B:ILE:HG21	1:92:A:LEU:HA	8	0.14
(1,1667)	1:78:B:ILE:HG22	1:92:A:LEU:HA	8	0.14
(1,1667)	1:78:B:ILE:HG23	1:92:A:LEU:HA	8	0.14
(1,1653)	1:69:B:TRP:HA	1:67:B:LYS:H	19	0.14
(1,1652)	1:69:A:TRP:HA	1:67:A:LYS:H	19	0.14
(1,1595)	1:85:B:ARG:HB2	1:85:A:ARG:HD2	9	0.14
(1,1459)	1:60:A:PRO:HA	1:60:A:PRO:HD3	16	0.14
(1,1450)	1:98:A:ARG:H	1:97:A:ARG:HB2	15	0.14
(1,1449)	1:98:B:ARG:H	1:97:B:ARG:HB2	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1448)	1:91:B:MET:HA	1:94:B:ILE:H	16	0.14
(1,1447)	1:91:A:MET:HA	1:94:A:ILE:H	13	0.14
(1,1447)	1:91:A:MET:HA	1:94:A:ILE:H	16	0.14
(1,1332)	1:45:A:LYS:HG2	1:45:A:LYS:H	18	0.14
(1,1325)	1:88:A:ILE:HG21	1:90:A:ARG:H	16	0.14
(1,1325)	1:88:A:ILE:HG22	1:90:A:ARG:H	16	0.14
(1,1325)	1:88:A:ILE:HG23	1:90:A:ARG:H	16	0.14
(1,1324)	1:88:B:ILE:HG21	1:90:B:ARG:H	16	0.14
(1,1324)	1:88:B:ILE:HG22	1:90:B:ARG:H	16	0.14
(1,1324)	1:88:B:ILE:HG23	1:90:B:ARG:H	16	0.14
(1,1304)	1:59:B:ILE:HG21	1:54:B:LEU:HA	10	0.14
(1,1304)	1:59:B:ILE:HG22	1:54:B:LEU:HA	10	0.14
(1,1304)	1:59:B:ILE:HG23	1:54:B:LEU:HA	10	0.14
(1,1303)	1:59:A:ILE:HG21	1:54:A:LEU:HA	10	0.14
(1,1303)	1:59:A:ILE:HG22	1:54:A:LEU:HA	10	0.14
(1,1303)	1:59:A:ILE:HG23	1:54:A:LEU:HA	10	0.14
(1,1288)	1:77:A:ALA:H	1:76:A:LYS:H	4	0.14
(1,1288)	1:77:A:ALA:H	1:76:A:LYS:H	6	0.14
(1,1288)	1:77:A:ALA:H	1:76:A:LYS:H	17	0.14
(1,1287)	1:77:B:ALA:H	1:76:B:LYS:H	4	0.14
(1,1287)	1:77:B:ALA:H	1:76:B:LYS:H	17	0.14
(1,1275)	1:23:B:VAL:H	1:24:B:SER:HA	18	0.14
(1,1274)	1:23:A:VAL:H	1:24:A:SER:HA	18	0.14
(1,1236)	1:25:B:THR:HG21	1:28:B:GLN:HE22	16	0.14
(1,1236)	1:25:B:THR:HG22	1:28:B:GLN:HE22	16	0.14
(1,1236)	1:25:B:THR:HG23	1:28:B:GLN:HE22	16	0.14
(1,1216)	1:23:B:VAL:HG21	1:23:B:VAL:H	15	0.14
(1,1216)	1:23:B:VAL:HG22	1:23:B:VAL:H	15	0.14
(1,1216)	1:23:B:VAL:HG23	1:23:B:VAL:H	15	0.14
(1,1207)	1:72:B:ILE:HG13	1:72:B:ILE:HB	5	0.14
(1,1186)	1:85:B:ARG:HB2	1:85:A:ARG:HD2	9	0.14
(1,1147)	1:25:B:THR:HG21	1:24:B:SER:HA	5	0.14
(1,1147)	1:25:B:THR:HG22	1:24:B:SER:HA	5	0.14
(1,1147)	1:25:B:THR:HG23	1:24:B:SER:HA	5	0.14
(1,1147)	1:25:B:THR:HG21	1:24:B:SER:HA	19	0.14
(1,1147)	1:25:B:THR:HG22	1:24:B:SER:HA	19	0.14
(1,1147)	1:25:B:THR:HG23	1:24:B:SER:HA	19	0.14
(1,1146)	1:25:A:THR:HG21	1:24:A:SER:HA	19	0.14
(1,1146)	1:25:A:THR:HG22	1:24:A:SER:HA	19	0.14
(1,1146)	1:25:A:THR:HG23	1:24:A:SER:HA	19	0.14
(1,1124)	1:57:B:LEU:HD21	1:46:A:LEU:HA	17	0.14
(1,1124)	1:57:B:LEU:HD22	1:46:A:LEU:HA	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1124)	1:57:B:LEU:HD23	1:46:A:LEU:HA	17	0.14
(1,1115)	1:92:B:LEU:HD21	1:82:A:ARG:H	6	0.14
(1,1115)	1:92:B:LEU:HD22	1:82:A:ARG:H	6	0.14
(1,1115)	1:92:B:LEU:HD23	1:82:A:ARG:H	6	0.14
(1,1111)	1:41:A:ARG:HA	1:42:A:GLY:H	9	0.14
(1,1081)	1:45:A:LYS:HA	1:47:A:PHE:H	7	0.14
(1,1081)	1:45:A:LYS:HA	1:47:A:PHE:H	9	0.14
(1,1080)	1:45:B:LYS:HA	1:47:B:PHE:H	7	0.14
(1,1073)	1:64:B:GLY:HA2	1:63:B:ALA:HB1	6	0.14
(1,1073)	1:64:B:GLY:HA2	1:63:B:ALA:HB2	6	0.14
(1,1073)	1:64:B:GLY:HA2	1:63:B:ALA:HB3	6	0.14
(1,1072)	1:64:A:GLY:HA2	1:63:A:ALA:HB1	6	0.14
(1,1072)	1:64:A:GLY:HA2	1:63:A:ALA:HB2	6	0.14
(1,1072)	1:64:A:GLY:HA2	1:63:A:ALA:HB3	6	0.14
(1,1061)	1:81:A:LEU:H	1:81:A:LEU:HD21	7	0.14
(1,1061)	1:81:A:LEU:H	1:81:A:LEU:HD22	7	0.14
(1,1061)	1:81:A:LEU:H	1:81:A:LEU:HD23	7	0.14
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD21	7	0.14
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD22	7	0.14
(1,1060)	1:81:B:LEU:H	1:81:B:LEU:HD23	7	0.14
(1,1043)	1:92:A:LEU:HG	1:92:A:LEU:H	2	0.14
(1,1043)	1:92:A:LEU:HG	1:92:A:LEU:H	3	0.14
(1,1043)	1:92:A:LEU:HG	1:92:A:LEU:H	4	0.14
(1,1043)	1:92:A:LEU:HG	1:92:A:LEU:H	5	0.14
(1,1043)	1:92:A:LEU:HG	1:92:A:LEU:H	12	0.14
(1,1042)	1:92:B:LEU:HG	1:92:B:LEU:H	2	0.14
(1,1042)	1:92:B:LEU:HG	1:92:B:LEU:H	3	0.14
(1,1042)	1:92:B:LEU:HG	1:92:B:LEU:H	4	0.14
(1,1042)	1:92:B:LEU:HG	1:92:B:LEU:H	5	0.14
(1,1042)	1:92:B:LEU:HG	1:92:B:LEU:H	12	0.14
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG21	2	0.14
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG22	2	0.14
(1,1041)	1:70:B:GLY:H	1:71:B:THR:HG23	2	0.14
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG21	2	0.14
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG22	2	0.14
(1,1040)	1:70:A:GLY:H	1:71:A:THR:HG23	2	0.14
(1,1032)	1:71:A:THR:H	1:69:A:TRP:H	7	0.14
(1,976)	1:54:A:LEU:H	1:54:A:LEU:HB2	4	0.14
(1,976)	1:54:A:LEU:H	1:54:A:LEU:HB2	19	0.14
(1,975)	1:54:B:LEU:H	1:54:B:LEU:HB2	4	0.14
(1,975)	1:54:B:LEU:H	1:54:B:LEU:HB2	19	0.14
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD11	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD12	8	0.14
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD13	8	0.14
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD11	20	0.14
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD12	20	0.14
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD13	20	0.14
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD11	8	0.14
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD12	8	0.14
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD13	8	0.14
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD11	20	0.14
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD12	20	0.14
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD13	20	0.14
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG21	15	0.14
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG22	15	0.14
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG23	15	0.14
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG21	18	0.14
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG22	18	0.14
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG23	18	0.14
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG21	18	0.14
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG22	18	0.14
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG23	18	0.14
(1,805)	1:65:A:ILE:HG21	1:51:A:VAL:H	11	0.14
(1,805)	1:65:A:ILE:HG22	1:51:A:VAL:H	11	0.14
(1,805)	1:65:A:ILE:HG23	1:51:A:VAL:H	11	0.14
(1,804)	1:65:B:ILE:HG21	1:51:B:VAL:H	11	0.14
(1,804)	1:65:B:ILE:HG22	1:51:B:VAL:H	11	0.14
(1,804)	1:65:B:ILE:HG23	1:51:B:VAL:H	11	0.14
(1,785)	1:75:B:SER:H	1:74:B:LYS:HB2	14	0.14
(1,783)	1:22:A:ARG:HG3	1:23:A:VAL:H	15	0.14
(1,776)	1:88:A:ILE:H	1:89:A:GLY:HA2	1	0.14
(1,767)	1:25:B:THR:HG21	1:54:B:LEU:HG	1	0.14
(1,767)	1:25:B:THR:HG22	1:54:B:LEU:HG	1	0.14
(1,767)	1:25:B:THR:HG23	1:54:B:LEU:HG	1	0.14
(1,766)	1:25:A:THR:HG21	1:54:A:LEU:HG	1	0.14
(1,766)	1:25:A:THR:HG22	1:54:A:LEU:HG	1	0.14
(1,766)	1:25:A:THR:HG23	1:54:A:LEU:HG	1	0.14
(1,705)	1:79:A:ASN:H	1:79:A:ASN:HB2	13	0.14
(1,704)	1:79:B:ASN:H	1:79:B:ASN:HB2	8	0.14
(1,704)	1:79:B:ASN:H	1:79:B:ASN:HB2	12	0.14
(1,704)	1:79:B:ASN:H	1:79:B:ASN:HB2	13	0.14
(1,679)	1:54:A:LEU:HG	1:54:A:LEU:HA	2	0.14
(1,679)	1:54:A:LEU:HG	1:54:A:LEU:HA	6	0.14
(1,679)	1:54:A:LEU:HG	1:54:A:LEU:HA	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,678)	1:54:B:LEU:HG	1:54:B:LEU:HA	2	0.14
(1,678)	1:54:B:LEU:HG	1:54:B:LEU:HA	6	0.14
(1,678)	1:54:B:LEU:HG	1:54:B:LEU:HA	20	0.14
(1,640)	1:93:A:ASN:H	1:93:A:ASN:HB3	7	0.14
(1,640)	1:93:A:ASN:H	1:93:A:ASN:HB3	16	0.14
(1,640)	1:93:A:ASN:H	1:93:A:ASN:HB3	17	0.14
(1,639)	1:93:B:ASN:H	1:93:B:ASN:HB3	2	0.14
(1,639)	1:93:B:ASN:H	1:93:B:ASN:HB3	7	0.14
(1,639)	1:93:B:ASN:H	1:93:B:ASN:HB3	16	0.14
(1,639)	1:93:B:ASN:H	1:93:B:ASN:HB3	17	0.14
(1,576)	1:39:B:GLN:HB2	1:39:B:GLN:HB3	2	0.14
(1,576)	1:39:B:GLN:HB2	1:39:B:GLN:HB3	3	0.14
(1,576)	1:39:B:GLN:HB2	1:39:B:GLN:HB3	4	0.14
(1,576)	1:39:B:GLN:HB2	1:39:B:GLN:HB3	5	0.14
(1,576)	1:39:B:GLN:HB2	1:39:B:GLN:HB3	7	0.14
(1,576)	1:39:B:GLN:HB2	1:39:B:GLN:HB3	8	0.14
(1,576)	1:39:B:GLN:HB2	1:39:B:GLN:HB3	9	0.14
(1,576)	1:39:B:GLN:HB2	1:39:B:GLN:HB3	10	0.14
(1,576)	1:39:B:GLN:HB2	1:39:B:GLN:HB3	11	0.14
(1,576)	1:39:B:GLN:HB2	1:39:B:GLN:HB3	12	0.14
(1,576)	1:39:B:GLN:HB2	1:39:B:GLN:HB3	13	0.14
(1,576)	1:39:B:GLN:HB2	1:39:B:GLN:HB3	14	0.14
(1,576)	1:39:B:GLN:HB2	1:39:B:GLN:HB3	15	0.14
(1,576)	1:39:B:GLN:HB2	1:39:B:GLN:HB3	18	0.14
(1,576)	1:39:B:GLN:HB2	1:39:B:GLN:HB3	20	0.14
(1,575)	1:39:A:GLN:HB2	1:39:A:GLN:HB3	2	0.14
(1,575)	1:39:A:GLN:HB2	1:39:A:GLN:HB3	3	0.14
(1,575)	1:39:A:GLN:HB2	1:39:A:GLN:HB3	6	0.14
(1,575)	1:39:A:GLN:HB2	1:39:A:GLN:HB3	7	0.14
(1,575)	1:39:A:GLN:HB2	1:39:A:GLN:HB3	8	0.14
(1,575)	1:39:A:GLN:HB2	1:39:A:GLN:HB3	10	0.14
(1,575)	1:39:A:GLN:HB2	1:39:A:GLN:HB3	13	0.14
(1,575)	1:39:A:GLN:HB2	1:39:A:GLN:HB3	14	0.14
(1,575)	1:39:A:GLN:HB2	1:39:A:GLN:HB3	15	0.14
(1,575)	1:39:A:GLN:HB2	1:39:A:GLN:HB3	19	0.14
(1,534)	1:92:B:LEU:HD11	1:82:A:ARG:HA	2	0.14
(1,534)	1:92:B:LEU:HD12	1:82:A:ARG:HA	2	0.14
(1,534)	1:92:B:LEU:HD13	1:82:A:ARG:HA	2	0.14
(1,533)	1:92:A:LEU:HD11	1:82:B:ARG:HA	16	0.14
(1,533)	1:92:A:LEU:HD12	1:82:B:ARG:HA	16	0.14
(1,533)	1:92:A:LEU:HD13	1:82:B:ARG:HA	16	0.14
(1,528)	1:32:A:ARG:H	1:31:A:LYS:HA	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:32:A:ARG:H	1:31:A:LYS:HA	12	0.14
(1,527)	1:32:B:ARG:H	1:31:B:LYS:HA	7	0.14
(1,527)	1:32:B:ARG:H	1:31:B:LYS:HA	12	0.14
(1,516)	1:79:A:ASN:H	1:77:A:ALA:H	5	0.14
(1,515)	1:79:B:ASN:H	1:77:B:ALA:H	5	0.14
(1,515)	1:79:B:ASN:H	1:77:B:ALA:H	19	0.14
(1,436)	1:57:B:LEU:HD11	1:49:A:ALA:HB1	3	0.14
(1,436)	1:57:B:LEU:HD11	1:49:A:ALA:HB2	3	0.14
(1,436)	1:57:B:LEU:HD11	1:49:A:ALA:HB3	3	0.14
(1,436)	1:57:B:LEU:HD12	1:49:A:ALA:HB1	3	0.14
(1,436)	1:57:B:LEU:HD12	1:49:A:ALA:HB2	3	0.14
(1,436)	1:57:B:LEU:HD12	1:49:A:ALA:HB3	3	0.14
(1,436)	1:57:B:LEU:HD13	1:49:A:ALA:HB1	3	0.14
(1,436)	1:57:B:LEU:HD13	1:49:A:ALA:HB2	3	0.14
(1,436)	1:57:B:LEU:HD13	1:49:A:ALA:HB3	3	0.14
(1,435)	1:57:A:LEU:HD11	1:49:B:ALA:HB1	3	0.14
(1,435)	1:57:A:LEU:HD11	1:49:B:ALA:HB2	3	0.14
(1,435)	1:57:A:LEU:HD11	1:49:B:ALA:HB3	3	0.14
(1,435)	1:57:A:LEU:HD12	1:49:B:ALA:HB1	3	0.14
(1,435)	1:57:A:LEU:HD12	1:49:B:ALA:HB2	3	0.14
(1,435)	1:57:A:LEU:HD12	1:49:B:ALA:HB3	3	0.14
(1,435)	1:57:A:LEU:HD13	1:49:B:ALA:HB1	3	0.14
(1,435)	1:57:A:LEU:HD13	1:49:B:ALA:HB2	3	0.14
(1,435)	1:57:A:LEU:HD13	1:49:B:ALA:HB3	3	0.14
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB1	1	0.14
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB2	1	0.14
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB3	1	0.14
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB1	9	0.14
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB2	9	0.14
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB3	9	0.14
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB1	11	0.14
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB2	11	0.14
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB3	11	0.14
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB1	18	0.14
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB2	18	0.14
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB3	18	0.14
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB1	9	0.14
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB2	9	0.14
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB3	9	0.14
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB1	11	0.14
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB2	11	0.14
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB3	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB1	18	0.14
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB2	18	0.14
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB3	18	0.14
(1,374)	1:56:A:PHE:HD1	1:49:B:ALA:HA	13	0.14
(1,374)	1:56:A:PHE:HD2	1:49:B:ALA:HA	13	0.14
(1,368)	1:64:A:GLY:HA2	1:67:A:LYS:H	20	0.14
(1,362)	1:76:B:LYS:HB3	1:76:B:LYS:H	18	0.14
(1,354)	1:75:A:SER:HB2	1:76:A:LYS:H	7	0.14
(1,351)	1:65:B:ILE:HD11	1:65:B:ILE:H	2	0.14
(1,351)	1:65:B:ILE:HD12	1:65:B:ILE:H	2	0.14
(1,351)	1:65:B:ILE:HD13	1:65:B:ILE:H	2	0.14
(1,351)	1:65:B:ILE:HD11	1:65:B:ILE:H	13	0.14
(1,351)	1:65:B:ILE:HD12	1:65:B:ILE:H	13	0.14
(1,351)	1:65:B:ILE:HD13	1:65:B:ILE:H	13	0.14
(1,350)	1:65:A:ILE:HD11	1:65:A:ILE:H	2	0.14
(1,350)	1:65:A:ILE:HD12	1:65:A:ILE:H	2	0.14
(1,350)	1:65:A:ILE:HD13	1:65:A:ILE:H	2	0.14
(1,350)	1:65:A:ILE:HD11	1:65:A:ILE:H	13	0.14
(1,350)	1:65:A:ILE:HD12	1:65:A:ILE:H	13	0.14
(1,350)	1:65:A:ILE:HD13	1:65:A:ILE:H	13	0.14
(1,350)	1:65:A:ILE:HD11	1:65:A:ILE:H	16	0.14
(1,350)	1:65:A:ILE:HD12	1:65:A:ILE:H	16	0.14
(1,350)	1:65:A:ILE:HD13	1:65:A:ILE:H	16	0.14
(1,284)	1:55:B:ARG:HB2	1:56:B:PHE:H	7	0.14
(1,258)	1:94:A:ILE:HD11	1:87:A:GLU:HA	13	0.14
(1,258)	1:94:A:ILE:HD12	1:87:A:GLU:HA	13	0.14
(1,258)	1:94:A:ILE:HD13	1:87:A:GLU:HA	13	0.14
(1,257)	1:94:B:ILE:HD11	1:87:B:GLU:HA	13	0.14
(1,257)	1:94:B:ILE:HD12	1:87:B:GLU:HA	13	0.14
(1,257)	1:94:B:ILE:HD13	1:87:B:GLU:HA	13	0.14
(1,192)	1:77:B:ALA:HB1	1:75:B:SER:H	20	0.14
(1,192)	1:77:B:ALA:HB2	1:75:B:SER:H	20	0.14
(1,192)	1:77:B:ALA:HB3	1:75:B:SER:H	20	0.14
(1,191)	1:77:A:ALA:HB1	1:75:A:SER:H	20	0.14
(1,191)	1:77:A:ALA:HB2	1:75:A:SER:H	20	0.14
(1,191)	1:77:A:ALA:HB3	1:75:A:SER:H	20	0.14
(1,178)	1:57:B:LEU:HD21	1:46:A:LEU:H	9	0.14
(1,178)	1:57:B:LEU:HD22	1:46:A:LEU:H	9	0.14
(1,178)	1:57:B:LEU:HD23	1:46:A:LEU:H	9	0.14
(1,178)	1:57:B:LEU:HD21	1:46:A:LEU:H	18	0.14
(1,178)	1:57:B:LEU:HD22	1:46:A:LEU:H	18	0.14
(1,178)	1:57:B:LEU:HD23	1:46:A:LEU:H	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:78:B:ILE:HA	1:95:A:LEU:HG	9	0.14
(1,164)	1:69:B:TRP:HH2	1:95:A:LEU:HG	9	0.14
(1,146)	1:69:A:TRP:HH2	1:95:B:LEU:H	5	0.14
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD1	6	0.14
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD2	6	0.14
(1,80)	1:88:B:ILE:HG12	1:52:A:ALA:HB1	1	0.14
(1,80)	1:88:B:ILE:HG12	1:52:A:ALA:HB2	1	0.14
(1,80)	1:88:B:ILE:HG12	1:52:A:ALA:HB3	1	0.14
(2,356)	1:83:B:GLY:H	1:84:B:PHE:HB2	12	0.13
(2,326)	1:77:A:ALA:H	1:76:A:LYS:HB2	14	0.13
(2,247)	1:72:A:ILE:HG13	1:72:A:ILE:HB	6	0.13
(2,187)	1:76:A:LYS:HB3	1:76:A:LYS:H	2	0.13
(2,187)	1:76:A:LYS:HB3	1:76:A:LYS:H	3	0.13
(2,187)	1:76:A:LYS:HB3	1:76:A:LYS:H	10	0.13
(2,187)	1:76:A:LYS:HB3	1:76:A:LYS:H	20	0.13
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG3	6	0.13
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG3	6	0.13
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG3	6	0.13
(2,138)	1:77:A:ALA:H	1:76:A:LYS:HE3	7	0.13
(2,99)	1:41:B:ARG:HD3	1:41:B:ARG:HA	13	0.13
(2,97)	1:90:A:ARG:H	1:90:A:ARG:HD2	4	0.13
(2,87)	1:81:B:LEU:HB3	1:48:B:MET:HG2	12	0.13
(2,82)	1:68:B:ARG:H	1:68:B:ARG:HB3	16	0.13
(2,63)	1:60:B:PRO:HA	1:60:B:PRO:HD3	18	0.13
(2,20)	1:90:B:ARG:H	1:90:B:ARG:HD2	4	0.13
(1,3385)	1:77:B:ALA:HB1	1:48:B:MET:HG3	5	0.13
(1,3385)	1:77:B:ALA:HB2	1:48:B:MET:HG3	5	0.13
(1,3385)	1:77:B:ALA:HB3	1:48:B:MET:HG3	5	0.13
(1,3384)	1:77:A:ALA:HB1	1:48:A:MET:HG3	5	0.13
(1,3384)	1:77:A:ALA:HB2	1:48:A:MET:HG3	5	0.13
(1,3384)	1:77:A:ALA:HB3	1:48:A:MET:HG3	5	0.13
(1,3375)	1:94:A:ILE:HD11	1:66:B:LEU:HA	12	0.13
(1,3375)	1:94:A:ILE:HD12	1:66:B:LEU:HA	12	0.13
(1,3375)	1:94:A:ILE:HD13	1:66:B:LEU:HA	12	0.13
(1,3374)	1:94:B:ILE:HD11	1:66:A:LEU:HA	11	0.13
(1,3374)	1:94:B:ILE:HD12	1:66:A:LEU:HA	11	0.13
(1,3374)	1:94:B:ILE:HD13	1:66:A:LEU:HA	11	0.13
(1,3338)	1:77:B:ALA:HB1	1:78:B:ILE:HB	6	0.13
(1,3338)	1:77:B:ALA:HB2	1:78:B:ILE:HB	6	0.13
(1,3338)	1:77:B:ALA:HB3	1:78:B:ILE:HB	6	0.13
(1,3338)	1:77:B:ALA:HB1	1:78:B:ILE:HB	11	0.13
(1,3338)	1:77:B:ALA:HB2	1:78:B:ILE:HB	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3338)	1:77:B:ALA:HB3	1:78:B:ILE:HB	11	0.13
(1,3337)	1:77:A:ALA:HB1	1:78:A:ILE:HB	6	0.13
(1,3337)	1:77:A:ALA:HB2	1:78:A:ILE:HB	6	0.13
(1,3337)	1:77:A:ALA:HB3	1:78:A:ILE:HB	6	0.13
(1,3334)	1:97:A:ARG:HA	1:94:A:ILE:HA	5	0.13
(1,3334)	1:97:A:ARG:HA	1:94:A:ILE:HA	13	0.13
(1,3333)	1:97:B:ARG:HA	1:94:B:ILE:HA	5	0.13
(1,3333)	1:97:B:ARG:HA	1:94:B:ILE:HA	13	0.13
(1,3322)	1:79:A:ASN:HA	1:82:A:ARG:H	20	0.13
(1,3321)	1:88:B:ILE:HA	1:90:B:ARG:H	3	0.13
(1,3321)	1:88:B:ILE:HA	1:90:B:ARG:H	20	0.13
(1,3320)	1:88:A:ILE:HA	1:90:A:ARG:H	3	0.13
(1,3320)	1:88:A:ILE:HA	1:90:A:ARG:H	20	0.13
(1,3269)	1:44:B:LEU:H	1:47:B:PHE:HB2	15	0.13
(1,3234)	1:22:B:ARG:HB3	1:23:B:VAL:HG11	10	0.13
(1,3234)	1:22:B:ARG:HB3	1:23:B:VAL:HG12	10	0.13
(1,3234)	1:22:B:ARG:HB3	1:23:B:VAL:HG13	10	0.13
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD11	12	0.13
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD12	12	0.13
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD13	12	0.13
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD11	12	0.13
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD12	12	0.13
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD13	12	0.13
(1,3038)	1:44:A:LEU:HD11	1:44:A:LEU:H	1	0.13
(1,3038)	1:44:A:LEU:HD12	1:44:A:LEU:H	1	0.13
(1,3038)	1:44:A:LEU:HD13	1:44:A:LEU:H	1	0.13
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD11	18	0.13
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD12	18	0.13
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD13	18	0.13
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD11	18	0.13
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD12	18	0.13
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD13	18	0.13
(1,2982)	1:49:A:ALA:H	1:46:A:LEU:HA	16	0.13
(1,2965)	1:78:A:ILE:HA	1:82:A:ARG:H	10	0.13
(1,2964)	1:78:B:ILE:HA	1:82:B:ARG:H	10	0.13
(1,2951)	1:80:A:VAL:HA	1:79:A:ASN:HB3	2	0.13
(1,2950)	1:80:B:VAL:HA	1:79:B:ASN:HB3	2	0.13
(1,2950)	1:80:B:VAL:HA	1:79:B:ASN:HB3	18	0.13
(1,2949)	1:51:A:VAL:HA	1:54:A:LEU:H	5	0.13
(1,2948)	1:51:B:VAL:HA	1:54:B:LEU:H	5	0.13
(1,2873)	1:88:A:ILE:HB	1:89:A:GLY:HA2	17	0.13
(1,2815)	1:48:B:MET:H	1:41:B:ARG:HG2	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD11	13	0.13
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD12	13	0.13
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD13	13	0.13
(1,2773)	1:53:A:PHE:HD1	1:51:B:VAL:H	11	0.13
(1,2773)	1:53:A:PHE:HD2	1:51:B:VAL:H	11	0.13
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB1	9	0.13
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB2	9	0.13
(1,2752)	1:57:B:LEU:HD21	1:49:A:ALA:HB3	9	0.13
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB1	9	0.13
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB2	9	0.13
(1,2752)	1:57:B:LEU:HD22	1:49:A:ALA:HB3	9	0.13
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB1	9	0.13
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB2	9	0.13
(1,2752)	1:57:B:LEU:HD23	1:49:A:ALA:HB3	9	0.13
(1,2741)	1:42:A:GLY:HA3	1:43:A:PRO:HD2	6	0.13
(1,2737)	1:78:B:ILE:HA	1:77:B:ALA:H	12	0.13
(1,2736)	1:78:A:ILE:HA	1:77:A:ALA:H	1	0.13
(1,2718)	1:63:A:ALA:HB1	1:66:A:LEU:H	17	0.13
(1,2718)	1:63:A:ALA:HB2	1:66:A:LEU:H	17	0.13
(1,2718)	1:63:A:ALA:HB3	1:66:A:LEU:H	17	0.13
(1,2717)	1:63:B:ALA:HB1	1:66:B:LEU:H	17	0.13
(1,2717)	1:63:B:ALA:HB2	1:66:B:LEU:H	17	0.13
(1,2717)	1:63:B:ALA:HB3	1:66:B:LEU:H	17	0.13
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD1	19	0.13
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD2	19	0.13
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD1	19	0.13
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD2	19	0.13
(1,2692)	1:68:A:ARG:HA	1:68:A:ARG:HD2	14	0.13
(1,2682)	1:26:A:VAL:HG11	1:22:A:ARG:HG3	15	0.13
(1,2682)	1:26:A:VAL:HG12	1:22:A:ARG:HG3	15	0.13
(1,2682)	1:26:A:VAL:HG13	1:22:A:ARG:HG3	15	0.13
(1,2681)	1:95:B:LEU:HB2	1:74:A:LYS:HD3	7	0.13
(1,2643)	1:77:B:ALA:H	1:76:B:LYS:HE3	7	0.13
(1,2603)	1:82:B:ARG:HA	1:85:B:ARG:HD3	3	0.13
(1,2603)	1:82:B:ARG:HA	1:85:B:ARG:HD3	18	0.13
(1,2578)	1:69:B:TRP:HE3	1:65:B:ILE:HG21	8	0.13
(1,2578)	1:69:B:TRP:HE3	1:65:B:ILE:HG22	8	0.13
(1,2578)	1:69:B:TRP:HE3	1:65:B:ILE:HG23	8	0.13
(1,2577)	1:69:A:TRP:HE3	1:65:A:ILE:HG21	8	0.13
(1,2577)	1:69:A:TRP:HE3	1:65:A:ILE:HG22	8	0.13
(1,2577)	1:69:A:TRP:HE3	1:65:A:ILE:HG23	8	0.13
(1,2557)	1:94:A:ILE:HG21	1:74:B:LYS:HE2	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2557)	1:94:A:ILE:HG22	1:74:B:LYS:HE2	20	0.13
(1,2557)	1:94:A:ILE:HG23	1:74:B:LYS:HE2	20	0.13
(1,2531)	1:74:B:LYS:HA	1:95:A:LEU:HG	11	0.13
(1,2443)	1:22:B:ARG:HB3	1:23:B:VAL:HA	12	0.13
(1,2443)	1:22:B:ARG:HB3	1:23:B:VAL:HA	14	0.13
(1,2431)	1:48:B:MET:HB3	1:45:B:LYS:HA	11	0.13
(1,2417)	1:62:B:THR:H	1:63:B:ALA:HA	5	0.13
(1,2417)	1:62:B:THR:H	1:63:B:ALA:HA	9	0.13
(1,2416)	1:62:A:THR:H	1:63:A:ALA:HA	5	0.13
(1,2416)	1:62:A:THR:H	1:63:A:ALA:HA	9	0.13
(1,2385)	1:82:A:ARG:HA	1:82:A:ARG:HB3	20	0.13
(1,2384)	1:82:B:ARG:HA	1:82:B:ARG:HB3	20	0.13
(1,2354)	1:27:A:GLN:HA	1:29:A:LEU:H	2	0.13
(1,2307)	1:90:B:ARG:HA	1:93:B:ASN:H	4	0.13
(1,2306)	1:90:A:ARG:HA	1:93:A:ASN:H	4	0.13
(1,2296)	1:72:A:ILE:HB	1:73:A:LYS:H	4	0.13
(1,2296)	1:72:A:ILE:HB	1:73:A:LYS:H	6	0.13
(1,2295)	1:72:B:ILE:HB	1:73:B:LYS:H	6	0.13
(1,2291)	1:23:B:VAL:HG21	1:23:B:VAL:H	15	0.13
(1,2291)	1:23:B:VAL:HG22	1:23:B:VAL:H	15	0.13
(1,2291)	1:23:B:VAL:HG23	1:23:B:VAL:H	15	0.13
(1,2289)	1:23:A:VAL:HG11	1:23:A:VAL:H	15	0.13
(1,2289)	1:23:A:VAL:HG12	1:23:A:VAL:H	15	0.13
(1,2289)	1:23:A:VAL:HG13	1:23:A:VAL:H	15	0.13
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD21	14	0.13
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD22	14	0.13
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD23	14	0.13
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD21	14	0.13
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD22	14	0.13
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD23	14	0.13
(1,2241)	1:91:A:MET:HB2	1:93:A:ASN:H	12	0.13
(1,2152)	1:42:B:GLY:HA2	1:43:B:PRO:HD2	17	0.13
(1,2149)	1:79:B:ASN:H	1:76:B:LYS:HA	7	0.13
(1,2148)	1:79:A:ASN:H	1:76:A:LYS:HA	7	0.13
(1,2095)	1:23:A:VAL:HG21	1:24:A:SER:H	5	0.13
(1,2095)	1:23:A:VAL:HG22	1:24:A:SER:H	5	0.13
(1,2095)	1:23:A:VAL:HG23	1:24:A:SER:H	5	0.13
(1,2086)	1:92:A:LEU:HG	1:93:A:ASN:H	6	0.13
(1,2086)	1:92:A:LEU:HG	1:93:A:ASN:H	10	0.13
(1,2086)	1:92:A:LEU:HG	1:93:A:ASN:H	20	0.13
(1,2085)	1:92:B:LEU:HG	1:93:B:ASN:H	6	0.13
(1,2085)	1:92:B:LEU:HG	1:93:B:ASN:H	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2085)	1:92:B:LEU:HG	1:93:B:ASN:H	20	0.13
(1,2078)	1:23:B:VAL:HB	1:63:B:ALA:HB1	7	0.13
(1,2078)	1:23:B:VAL:HB	1:63:B:ALA:HB2	7	0.13
(1,2078)	1:23:B:VAL:HB	1:63:B:ALA:HB3	7	0.13
(1,2069)	1:68:A:ARG:H	1:68:A:ARG:HB3	16	0.13
(1,2057)	1:49:A:ALA:H	1:52:A:ALA:H	8	0.13
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE1	10	0.13
(1,2027)	1:48:A:MET:H	1:47:A:PHE:HE2	10	0.13
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE1	10	0.13
(1,2026)	1:48:B:MET:H	1:47:B:PHE:HE2	10	0.13
(1,2010)	1:95:B:LEU:HD11	1:94:B:ILE:HD11	14	0.13
(1,2010)	1:95:B:LEU:HD11	1:94:B:ILE:HD12	14	0.13
(1,2010)	1:95:B:LEU:HD11	1:94:B:ILE:HD13	14	0.13
(1,2010)	1:95:B:LEU:HD12	1:94:B:ILE:HD11	14	0.13
(1,2010)	1:95:B:LEU:HD12	1:94:B:ILE:HD12	14	0.13
(1,2010)	1:95:B:LEU:HD12	1:94:B:ILE:HD13	14	0.13
(1,2010)	1:95:B:LEU:HD13	1:94:B:ILE:HD11	14	0.13
(1,2010)	1:95:B:LEU:HD13	1:94:B:ILE:HD12	14	0.13
(1,2010)	1:95:B:LEU:HD13	1:94:B:ILE:HD13	14	0.13
(1,2001)	1:23:B:VAL:HB	1:24:B:SER:H	15	0.13
(1,2000)	1:23:A:VAL:HB	1:24:A:SER:H	15	0.13
(1,1999)	1:72:A:ILE:HD11	1:73:A:LYS:H	15	0.13
(1,1999)	1:72:A:ILE:HD12	1:73:A:LYS:H	15	0.13
(1,1999)	1:72:A:ILE:HD13	1:73:A:LYS:H	15	0.13
(1,1998)	1:72:B:ILE:HD11	1:73:B:LYS:H	15	0.13
(1,1998)	1:72:B:ILE:HD12	1:73:B:LYS:H	15	0.13
(1,1998)	1:72:B:ILE:HD13	1:73:B:LYS:H	15	0.13
(1,1935)	1:56:B:PHE:HD1	1:84:A:PHE:HD1	1	0.13
(1,1935)	1:56:B:PHE:HD1	1:84:A:PHE:HD2	1	0.13
(1,1935)	1:56:B:PHE:HD2	1:84:A:PHE:HD1	1	0.13
(1,1935)	1:56:B:PHE:HD2	1:84:A:PHE:HD2	1	0.13
(1,1910)	1:87:B:GLU:HB3	1:90:B:ARG:H	7	0.13
(1,1909)	1:87:A:GLU:HB3	1:90:A:ARG:H	7	0.13
(1,1904)	1:57:B:LEU:HD11	1:57:B:LEU:H	16	0.13
(1,1904)	1:57:B:LEU:HD12	1:57:B:LEU:H	16	0.13
(1,1904)	1:57:B:LEU:HD13	1:57:B:LEU:H	16	0.13
(1,1876)	1:93:A:ASN:HA	1:98:A:ARG:H	17	0.13
(1,1875)	1:93:B:ASN:HA	1:98:B:ARG:H	17	0.13
(1,1874)	1:58:A:THR:HA	1:59:A:ILE:H	1	0.13
(1,1874)	1:58:A:THR:HA	1:59:A:ILE:H	9	0.13
(1,1873)	1:58:B:THR:HA	1:59:B:ILE:H	1	0.13
(1,1873)	1:58:B:THR:HA	1:59:B:ILE:H	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1873)	1:58:B:THR:HA	1:59:B:ILE:H	16	0.13
(1,1867)	1:94:A:ILE:HG21	1:91:A:MET:HA	1	0.13
(1,1867)	1:94:A:ILE:HG22	1:91:A:MET:HA	1	0.13
(1,1867)	1:94:A:ILE:HG23	1:91:A:MET:HA	1	0.13
(1,1866)	1:94:B:ILE:HG21	1:91:B:MET:HA	1	0.13
(1,1866)	1:94:B:ILE:HG22	1:91:B:MET:HA	1	0.13
(1,1866)	1:94:B:ILE:HG23	1:91:B:MET:HA	1	0.13
(1,1847)	1:22:A:ARG:HA	1:21:A:ASN:HA	12	0.13
(1,1846)	1:22:B:ARG:HA	1:21:B:ASN:HA	12	0.13
(1,1845)	1:51:B:VAL:HA	1:54:B:LEU:HB2	12	0.13
(1,1844)	1:51:A:VAL:HA	1:54:A:LEU:HB2	12	0.13
(1,1814)	1:81:A:LEU:H	1:77:A:ALA:HA	19	0.13
(1,1813)	1:81:B:LEU:H	1:77:B:ALA:HA	19	0.13
(1,1802)	1:77:B:ALA:H	1:76:B:LYS:HB2	14	0.13
(1,1792)	1:86:A:LYS:HB2	1:87:A:GLU:H	9	0.13
(1,1792)	1:86:A:LYS:HB2	1:87:A:GLU:H	12	0.13
(1,1787)	1:86:A:LYS:HG3	1:86:A:LYS:H	5	0.13
(1,1787)	1:86:A:LYS:HG3	1:86:A:LYS:H	8	0.13
(1,1770)	1:46:A:LEU:H	1:48:A:MET:H	19	0.13
(1,1740)	1:82:B:ARG:HA	1:85:B:ARG:H	4	0.13
(1,1740)	1:82:B:ARG:HA	1:85:B:ARG:H	12	0.13
(1,1739)	1:82:A:ARG:HA	1:85:A:ARG:H	4	0.13
(1,1739)	1:82:A:ARG:HA	1:85:A:ARG:H	12	0.13
(1,1711)	1:82:B:ARG:HA	1:85:B:ARG:HD3	1	0.13
(1,1710)	1:82:A:ARG:HA	1:85:A:ARG:HD3	1	0.13
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD11	14	0.13
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD12	14	0.13
(1,1707)	1:72:A:ILE:HD11	1:44:A:LEU:HD13	14	0.13
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD11	14	0.13
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD12	14	0.13
(1,1707)	1:72:A:ILE:HD12	1:44:A:LEU:HD13	14	0.13
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD11	14	0.13
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD12	14	0.13
(1,1707)	1:72:A:ILE:HD13	1:44:A:LEU:HD13	14	0.13
(1,1684)	1:78:A:ILE:HG21	1:79:A:ASN:H	2	0.13
(1,1684)	1:78:A:ILE:HG22	1:79:A:ASN:H	2	0.13
(1,1684)	1:78:A:ILE:HG23	1:79:A:ASN:H	2	0.13
(1,1683)	1:78:B:ILE:HG21	1:79:B:ASN:H	2	0.13
(1,1683)	1:78:B:ILE:HG22	1:79:B:ASN:H	2	0.13
(1,1683)	1:78:B:ILE:HG23	1:79:B:ASN:H	2	0.13
(1,1668)	1:78:A:ILE:HG21	1:92:B:LEU:HA	10	0.13
(1,1668)	1:78:A:ILE:HG22	1:92:B:LEU:HA	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1668)	1:78:A:ILE:HG23	1:92:B:LEU:HA	10	0.13
(1,1662)	1:78:B:ILE:HG21	1:79:B:ASN:HD21	19	0.13
(1,1662)	1:78:B:ILE:HG22	1:79:B:ASN:HD21	19	0.13
(1,1662)	1:78:B:ILE:HG23	1:79:B:ASN:HD21	19	0.13
(1,1601)	1:96:A:ASN:HA	1:96:A:ASN:HD21	14	0.13
(1,1600)	1:96:B:ASN:HA	1:96:B:ASN:HD21	14	0.13
(1,1592)	1:41:A:ARG:HD3	1:41:A:ARG:HA	13	0.13
(1,1513)	1:57:A:LEU:HD11	1:57:A:LEU:H	8	0.13
(1,1513)	1:57:A:LEU:HD12	1:57:A:LEU:H	8	0.13
(1,1513)	1:57:A:LEU:HD13	1:57:A:LEU:H	8	0.13
(1,1466)	1:72:A:ILE:HD11	1:47:A:PHE:HE1	5	0.13
(1,1466)	1:72:A:ILE:HD11	1:47:A:PHE:HE2	5	0.13
(1,1466)	1:72:A:ILE:HD12	1:47:A:PHE:HE1	5	0.13
(1,1466)	1:72:A:ILE:HD12	1:47:A:PHE:HE2	5	0.13
(1,1466)	1:72:A:ILE:HD13	1:47:A:PHE:HE1	5	0.13
(1,1466)	1:72:A:ILE:HD13	1:47:A:PHE:HE2	5	0.13
(1,1465)	1:72:B:ILE:HD11	1:47:B:PHE:HE1	5	0.13
(1,1465)	1:72:B:ILE:HD11	1:47:B:PHE:HE2	5	0.13
(1,1465)	1:72:B:ILE:HD12	1:47:B:PHE:HE1	5	0.13
(1,1465)	1:72:B:ILE:HD12	1:47:B:PHE:HE2	5	0.13
(1,1465)	1:72:B:ILE:HD13	1:47:B:PHE:HE1	5	0.13
(1,1465)	1:72:B:ILE:HD13	1:47:B:PHE:HE2	5	0.13
(1,1459)	1:60:A:PRO:HA	1:60:A:PRO:HD3	2	0.13
(1,1459)	1:60:A:PRO:HA	1:60:A:PRO:HD3	18	0.13
(1,1448)	1:91:B:MET:HA	1:94:B:ILE:H	15	0.13
(1,1447)	1:91:A:MET:HA	1:94:A:ILE:H	15	0.13
(1,1440)	1:22:A:ARG:HG2	1:22:A:ARG:HD2	16	0.13
(1,1382)	1:99:B:ARG:HA	1:100:B:ARG:HB2	9	0.13
(1,1350)	1:28:A:GLN:HA	1:31:A:LYS:H	19	0.13
(1,1349)	1:28:B:GLN:HA	1:31:B:LYS:H	19	0.13
(1,1332)	1:45:A:LYS:HG2	1:45:A:LYS:H	20	0.13
(1,1312)	1:95:B:LEU:HD11	1:69:A:TRP:HH2	7	0.13
(1,1312)	1:95:B:LEU:HD12	1:69:A:TRP:HH2	7	0.13
(1,1312)	1:95:B:LEU:HD13	1:69:A:TRP:HH2	7	0.13
(1,1309)	1:95:B:LEU:HD21	1:69:A:TRP:HH2	14	0.13
(1,1309)	1:95:B:LEU:HD22	1:69:A:TRP:HH2	14	0.13
(1,1309)	1:95:B:LEU:HD23	1:69:A:TRP:HH2	14	0.13
(1,1287)	1:77:B:ALA:H	1:76:B:LYS:H	6	0.13
(1,1263)	1:42:B:GLY:HA2	1:43:B:PRO:HD3	10	0.13
(1,1262)	1:42:A:GLY:HA2	1:43:A:PRO:HD3	10	0.13
(1,1245)	1:62:A:THR:HB	1:64:A:GLY:H	8	0.13
(1,1244)	1:62:B:THR:HB	1:64:B:GLY:H	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:25:A:THR:HG21	1:28:A:GLN:HE22	16	0.13
(1,1235)	1:25:A:THR:HG22	1:28:A:GLN:HE22	16	0.13
(1,1235)	1:25:A:THR:HG23	1:28:A:GLN:HE22	16	0.13
(1,1213)	1:23:A:VAL:HG11	1:23:A:VAL:H	15	0.13
(1,1213)	1:23:A:VAL:HG12	1:23:A:VAL:H	15	0.13
(1,1213)	1:23:A:VAL:HG13	1:23:A:VAL:H	15	0.13
(1,1208)	1:80:B:VAL:HG21	1:79:B:ASN:HB2	3	0.13
(1,1208)	1:80:B:VAL:HG22	1:79:B:ASN:HB2	3	0.13
(1,1208)	1:80:B:VAL:HG23	1:79:B:ASN:HB2	3	0.13
(1,1207)	1:72:B:ILE:HG13	1:72:B:ILE:HB	6	0.13
(1,1146)	1:25:A:THR:HG21	1:24:A:SER:HA	5	0.13
(1,1146)	1:25:A:THR:HG22	1:24:A:SER:HA	5	0.13
(1,1146)	1:25:A:THR:HG23	1:24:A:SER:HA	5	0.13
(1,1143)	1:83:A:GLY:HA2	1:86:A:LYS:HB2	19	0.13
(1,1124)	1:57:B:LEU:HD21	1:46:A:LEU:HA	2	0.13
(1,1124)	1:57:B:LEU:HD22	1:46:A:LEU:HA	2	0.13
(1,1124)	1:57:B:LEU:HD23	1:46:A:LEU:HA	2	0.13
(1,1088)	1:80:A:VAL:HG21	1:81:A:LEU:H	12	0.13
(1,1088)	1:80:A:VAL:HG22	1:81:A:LEU:H	12	0.13
(1,1088)	1:80:A:VAL:HG23	1:81:A:LEU:H	12	0.13
(1,1081)	1:45:A:LYS:HA	1:47:A:PHE:H	13	0.13
(1,1081)	1:45:A:LYS:HA	1:47:A:PHE:H	14	0.13
(1,1081)	1:45:A:LYS:HA	1:47:A:PHE:H	16	0.13
(1,1080)	1:45:B:LYS:HA	1:47:B:PHE:H	13	0.13
(1,1080)	1:45:B:LYS:HA	1:47:B:PHE:H	14	0.13
(1,1080)	1:45:B:LYS:HA	1:47:B:PHE:H	16	0.13
(1,1051)	1:70:B:GLY:H	1:69:B:TRP:HE3	9	0.13
(1,1050)	1:70:A:GLY:H	1:69:A:TRP:HE3	9	0.13
(1,1043)	1:92:A:LEU:HG	1:92:A:LEU:H	14	0.13
(1,1042)	1:92:B:LEU:HG	1:92:B:LEU:H	14	0.13
(1,1042)	1:92:B:LEU:HG	1:92:B:LEU:H	16	0.13
(1,1033)	1:71:B:THR:H	1:69:B:TRP:H	7	0.13
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD11	13	0.13
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD12	13	0.13
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD13	13	0.13
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD11	17	0.13
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD12	17	0.13
(1,1018)	1:96:A:ASN:HA	1:78:B:ILE:HD13	17	0.13
(1,1001)	1:27:B:GLN:HB2	1:25:B:THR:H	12	0.13
(1,985)	1:23:B:VAL:HG11	1:24:B:SER:H	16	0.13
(1,985)	1:23:B:VAL:HG12	1:24:B:SER:H	16	0.13
(1,985)	1:23:B:VAL:HG13	1:24:B:SER:H	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,980)	1:25:A:THR:HG21	1:27:A:GLN:H	16	0.13
(1,980)	1:25:A:THR:HG22	1:27:A:GLN:H	16	0.13
(1,980)	1:25:A:THR:HG23	1:27:A:GLN:H	16	0.13
(1,979)	1:25:B:THR:HG21	1:27:B:GLN:H	16	0.13
(1,979)	1:25:B:THR:HG22	1:27:B:GLN:H	16	0.13
(1,979)	1:25:B:THR:HG23	1:27:B:GLN:H	16	0.13
(1,952)	1:97:A:ARG:HA	1:97:A:ARG:H	6	0.13
(1,951)	1:97:B:ARG:HA	1:97:B:ARG:H	6	0.13
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD11	3	0.13
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD12	3	0.13
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD13	3	0.13
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD11	7	0.13
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD12	7	0.13
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD13	7	0.13
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD11	3	0.13
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD12	3	0.13
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD13	3	0.13
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD11	7	0.13
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD12	7	0.13
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD13	7	0.13
(1,848)	1:28:B:GLN:HB2	1:29:B:LEU:H	4	0.13
(1,847)	1:28:A:GLN:HB2	1:29:A:LEU:H	4	0.13
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG21	4	0.13
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG22	4	0.13
(1,843)	1:62:A:THR:H	1:65:A:ILE:HG23	4	0.13
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG21	4	0.13
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG22	4	0.13
(1,842)	1:62:B:THR:H	1:65:B:ILE:HG23	4	0.13
(1,805)	1:65:A:ILE:HG21	1:51:A:VAL:H	20	0.13
(1,805)	1:65:A:ILE:HG22	1:51:A:VAL:H	20	0.13
(1,805)	1:65:A:ILE:HG23	1:51:A:VAL:H	20	0.13
(1,804)	1:65:B:ILE:HG21	1:51:B:VAL:H	20	0.13
(1,804)	1:65:B:ILE:HG22	1:51:B:VAL:H	20	0.13
(1,804)	1:65:B:ILE:HG23	1:51:B:VAL:H	20	0.13
(1,776)	1:88:A:ILE:H	1:89:A:GLY:HA2	4	0.13
(1,776)	1:88:A:ILE:H	1:89:A:GLY:HA2	14	0.13
(1,776)	1:88:A:ILE:H	1:89:A:GLY:HA2	19	0.13
(1,776)	1:88:A:ILE:H	1:89:A:GLY:HA2	20	0.13
(1,775)	1:88:A:ILE:HG21	1:89:A:GLY:HA2	8	0.13
(1,775)	1:88:A:ILE:HG22	1:89:A:GLY:HA2	8	0.13
(1,775)	1:88:A:ILE:HG23	1:89:A:GLY:HA2	8	0.13
(1,774)	1:88:B:ILE:HG21	1:89:B:GLY:HA2	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,774)	1:88:B:ILE:HG22	1:89:B:GLY:HA2	8	0.13
(1,774)	1:88:B:ILE:HG23	1:89:B:GLY:HA2	8	0.13
(1,729)	1:72:B:ILE:HG12	1:73:B:LYS:H	1	0.13
(1,728)	1:72:A:ILE:HG12	1:73:A:LYS:H	1	0.13
(1,717)	1:44:B:LEU:HD21	1:73:B:LYS:H	18	0.13
(1,717)	1:44:B:LEU:HD22	1:73:B:LYS:H	18	0.13
(1,717)	1:44:B:LEU:HD23	1:73:B:LYS:H	18	0.13
(1,705)	1:79:A:ASN:H	1:79:A:ASN:HB2	8	0.13
(1,693)	1:54:B:LEU:HA	1:58:B:THR:H	15	0.13
(1,692)	1:54:A:LEU:HA	1:58:A:THR:H	15	0.13
(1,679)	1:54:A:LEU:HG	1:54:A:LEU:HA	13	0.13
(1,678)	1:54:B:LEU:HG	1:54:B:LEU:HA	13	0.13
(1,651)	1:51:B:VAL:HG11	1:48:B:MET:HA	9	0.13
(1,651)	1:51:B:VAL:HG12	1:48:B:MET:HA	9	0.13
(1,651)	1:51:B:VAL:HG13	1:48:B:MET:HA	9	0.13
(1,651)	1:51:B:VAL:HG11	1:48:B:MET:HA	10	0.13
(1,651)	1:51:B:VAL:HG12	1:48:B:MET:HA	10	0.13
(1,651)	1:51:B:VAL:HG13	1:48:B:MET:HA	10	0.13
(1,650)	1:51:A:VAL:HG11	1:48:A:MET:HA	9	0.13
(1,650)	1:51:A:VAL:HG12	1:48:A:MET:HA	9	0.13
(1,650)	1:51:A:VAL:HG13	1:48:A:MET:HA	9	0.13
(1,650)	1:51:A:VAL:HG11	1:48:A:MET:HA	10	0.13
(1,650)	1:51:A:VAL:HG12	1:48:A:MET:HA	10	0.13
(1,650)	1:51:A:VAL:HG13	1:48:A:MET:HA	10	0.13
(1,577)	1:58:A:THR:HG21	1:59:A:ILE:HA	6	0.13
(1,577)	1:58:A:THR:HG22	1:59:A:ILE:HA	6	0.13
(1,577)	1:58:A:THR:HG23	1:59:A:ILE:HA	6	0.13
(1,576)	1:39:B:GLN:HB2	1:39:B:GLN:HB3	1	0.13
(1,576)	1:39:B:GLN:HB2	1:39:B:GLN:HB3	6	0.13
(1,576)	1:39:B:GLN:HB2	1:39:B:GLN:HB3	16	0.13
(1,576)	1:39:B:GLN:HB2	1:39:B:GLN:HB3	17	0.13
(1,576)	1:39:B:GLN:HB2	1:39:B:GLN:HB3	19	0.13
(1,575)	1:39:A:GLN:HB2	1:39:A:GLN:HB3	1	0.13
(1,575)	1:39:A:GLN:HB2	1:39:A:GLN:HB3	4	0.13
(1,575)	1:39:A:GLN:HB2	1:39:A:GLN:HB3	5	0.13
(1,575)	1:39:A:GLN:HB2	1:39:A:GLN:HB3	9	0.13
(1,575)	1:39:A:GLN:HB2	1:39:A:GLN:HB3	11	0.13
(1,575)	1:39:A:GLN:HB2	1:39:A:GLN:HB3	12	0.13
(1,575)	1:39:A:GLN:HB2	1:39:A:GLN:HB3	16	0.13
(1,575)	1:39:A:GLN:HB2	1:39:A:GLN:HB3	17	0.13
(1,575)	1:39:A:GLN:HB2	1:39:A:GLN:HB3	18	0.13
(1,575)	1:39:A:GLN:HB2	1:39:A:GLN:HB3	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:65:A:ILE:HD11	1:51:A:VAL:HA	9	0.13
(1,559)	1:65:A:ILE:HD12	1:51:A:VAL:HA	9	0.13
(1,559)	1:65:A:ILE:HD13	1:51:A:VAL:HA	9	0.13
(1,558)	1:65:B:ILE:HD11	1:51:B:VAL:HA	9	0.13
(1,558)	1:65:B:ILE:HD12	1:51:B:VAL:HA	9	0.13
(1,558)	1:65:B:ILE:HD13	1:51:B:VAL:HA	9	0.13
(1,533)	1:92:A:LEU:HD11	1:82:B:ARG:HA	14	0.13
(1,533)	1:92:A:LEU:HD12	1:82:B:ARG:HA	14	0.13
(1,533)	1:92:A:LEU:HD13	1:82:B:ARG:HA	14	0.13
(1,528)	1:32:A:ARG:H	1:31:A:LYS:HA	4	0.13
(1,527)	1:32:B:ARG:H	1:31:B:LYS:HA	4	0.13
(1,442)	1:74:B:LYS:HB2	1:75:B:SER:HB3	20	0.13
(1,441)	1:74:A:LYS:HB2	1:75:A:SER:HB3	20	0.13
(1,422)	1:69:B:TRP:H	1:68:B:ARG:HA	9	0.13
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB1	10	0.13
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB2	10	0.13
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB3	10	0.13
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB1	17	0.13
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB2	17	0.13
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB3	17	0.13
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB1	10	0.13
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB2	10	0.13
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB3	10	0.13
(1,407)	1:80:A:VAL:HG21	1:45:A:LYS:HA	17	0.13
(1,407)	1:80:A:VAL:HG22	1:45:A:LYS:HA	17	0.13
(1,407)	1:80:A:VAL:HG23	1:45:A:LYS:HA	17	0.13
(1,367)	1:64:B:GLY:HA2	1:67:B:LYS:H	20	0.13
(1,362)	1:76:B:LYS:HB3	1:76:B:LYS:H	2	0.13
(1,362)	1:76:B:LYS:HB3	1:76:B:LYS:H	3	0.13
(1,362)	1:76:B:LYS:HB3	1:76:B:LYS:H	10	0.13
(1,355)	1:75:B:SER:HB2	1:76:B:LYS:H	7	0.13
(1,353)	1:75:B:SER:H	1:76:B:LYS:H	13	0.13
(1,351)	1:65:B:ILE:HD11	1:65:B:ILE:H	16	0.13
(1,351)	1:65:B:ILE:HD12	1:65:B:ILE:H	16	0.13
(1,351)	1:65:B:ILE:HD13	1:65:B:ILE:H	16	0.13
(1,350)	1:65:A:ILE:HD11	1:65:A:ILE:H	8	0.13
(1,350)	1:65:A:ILE:HD12	1:65:A:ILE:H	8	0.13
(1,350)	1:65:A:ILE:HD13	1:65:A:ILE:H	8	0.13
(1,341)	1:75:A:SER:H	1:75:A:SER:HB2	3	0.13
(1,295)	1:95:B:LEU:HD11	1:69:A:TRP:HZ3	18	0.13
(1,295)	1:95:B:LEU:HD12	1:69:A:TRP:HZ3	18	0.13
(1,295)	1:95:B:LEU:HD13	1:69:A:TRP:HZ3	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,242)	1:61:B:PRO:HA	1:65:B:ILE:HB	17	0.13
(1,241)	1:61:A:PRO:HA	1:65:A:ILE:HB	17	0.13
(1,189)	1:96:B:ASN:HA	1:92:B:LEU:HA	4	0.13
(1,188)	1:96:A:ASN:HA	1:92:A:LEU:HA	4	0.13
(1,188)	1:96:A:ASN:HA	1:92:A:LEU:HA	11	0.13
(1,178)	1:57:B:LEU:HD21	1:46:A:LEU:H	17	0.13
(1,178)	1:57:B:LEU:HD22	1:46:A:LEU:H	17	0.13
(1,178)	1:57:B:LEU:HD23	1:46:A:LEU:H	17	0.13
(1,156)	1:78:B:ILE:HG21	1:96:A:ASN:HD21	17	0.13
(1,156)	1:78:B:ILE:HG22	1:96:A:ASN:HD21	17	0.13
(1,156)	1:78:B:ILE:HG23	1:96:A:ASN:HD21	17	0.13
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD1	5	0.13
(1,102)	1:56:B:PHE:HA	1:84:A:PHE:HD2	5	0.13
(1,57)	1:49:B:ALA:HB1	1:56:A:PHE:HE1	17	0.13
(1,57)	1:49:B:ALA:HB1	1:56:A:PHE:HE2	17	0.13
(1,57)	1:49:B:ALA:HB2	1:56:A:PHE:HE1	17	0.13
(1,57)	1:49:B:ALA:HB2	1:56:A:PHE:HE2	17	0.13
(1,57)	1:49:B:ALA:HB3	1:56:A:PHE:HE1	17	0.13
(1,57)	1:49:B:ALA:HB3	1:56:A:PHE:HE2	17	0.13
(2,326)	1:77:A:ALA:H	1:76:A:LYS:HB2	2	0.12
(2,269)	1:56:A:PHE:HB3	1:49:B:ALA:HA	15	0.12
(2,247)	1:72:A:ILE:HG13	1:72:A:ILE:HB	3	0.12
(2,187)	1:76:A:LYS:HB3	1:76:A:LYS:H	7	0.12
(2,187)	1:76:A:LYS:HB3	1:76:A:LYS:H	12	0.12
(2,187)	1:76:A:LYS:HB3	1:76:A:LYS:H	14	0.12
(2,180)	1:92:A:LEU:HD21	1:82:B:ARG:HG3	8	0.12
(2,180)	1:92:A:LEU:HD22	1:82:B:ARG:HG3	8	0.12
(2,180)	1:92:A:LEU:HD23	1:82:B:ARG:HG3	8	0.12
(2,177)	1:69:B:TRP:H	1:68:B:ARG:HB3	7	0.12
(2,145)	1:27:A:GLN:HB2	1:23:A:VAL:HG11	3	0.12
(2,145)	1:27:A:GLN:HB2	1:23:A:VAL:HG12	3	0.12
(2,145)	1:27:A:GLN:HB2	1:23:A:VAL:HG13	3	0.12
(2,117)	1:56:A:PHE:HB3	1:49:B:ALA:HA	15	0.12
(2,98)	1:78:A:ILE:HG21	1:79:A:ASN:HD21	19	0.12
(2,98)	1:78:A:ILE:HG22	1:79:A:ASN:HD21	19	0.12
(2,98)	1:78:A:ILE:HG23	1:79:A:ASN:HD21	19	0.12
(2,82)	1:68:B:ARG:H	1:68:B:ARG:HB2	14	0.12
(2,63)	1:60:B:PRO:HA	1:60:B:PRO:HD3	2	0.12
(2,63)	1:60:B:PRO:HA	1:60:B:PRO:HD3	8	0.12
(2,63)	1:60:B:PRO:HA	1:60:B:PRO:HD3	20	0.12
(2,50)	1:48:A:MET:H	1:41:A:ARG:HG2	9	0.12
(1,3479)	1:87:A:GLU:HA	1:89:A:GLY:HA2	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3386)	1:77:A:ALA:HB1	1:95:B:LEU:HB2	15	0.12
(1,3386)	1:77:A:ALA:HB2	1:95:B:LEU:HB2	15	0.12
(1,3386)	1:77:A:ALA:HB3	1:95:B:LEU:HB2	15	0.12
(1,3375)	1:94:A:ILE:HD11	1:66:B:LEU:HA	11	0.12
(1,3375)	1:94:A:ILE:HD12	1:66:B:LEU:HA	11	0.12
(1,3375)	1:94:A:ILE:HD13	1:66:B:LEU:HA	11	0.12
(1,3342)	1:86:A:LYS:HA	1:89:A:GLY:HA2	2	0.12
(1,3337)	1:77:A:ALA:HB1	1:78:A:ILE:HB	11	0.12
(1,3337)	1:77:A:ALA:HB2	1:78:A:ILE:HB	11	0.12
(1,3337)	1:77:A:ALA:HB3	1:78:A:ILE:HB	11	0.12
(1,3331)	1:26:A:VAL:HG21	1:22:A:ARG:HB2	14	0.12
(1,3331)	1:26:A:VAL:HG22	1:22:A:ARG:HB2	14	0.12
(1,3331)	1:26:A:VAL:HG23	1:22:A:ARG:HB2	14	0.12
(1,3323)	1:79:B:ASN:HA	1:82:B:ARG:H	20	0.12
(1,3297)	1:30:B:THR:HG21	1:28:B:GLN:HA	12	0.12
(1,3297)	1:30:B:THR:HG22	1:28:B:GLN:HA	12	0.12
(1,3297)	1:30:B:THR:HG23	1:28:B:GLN:HA	12	0.12
(1,3296)	1:30:A:THR:HG21	1:28:A:GLN:HA	12	0.12
(1,3296)	1:30:A:THR:HG22	1:28:A:GLN:HA	12	0.12
(1,3296)	1:30:A:THR:HG23	1:28:A:GLN:HA	12	0.12
(1,3288)	1:97:A:ARG:H	1:98:A:ARG:HD3	5	0.12
(1,3287)	1:97:B:ARG:H	1:98:B:ARG:HD3	5	0.12
(1,3270)	1:44:A:LEU:H	1:47:A:PHE:HB2	15	0.12
(1,3215)	1:50:A:LEU:HD21	1:54:A:LEU:H	11	0.12
(1,3215)	1:50:A:LEU:HD22	1:54:A:LEU:H	11	0.12
(1,3215)	1:50:A:LEU:HD23	1:54:A:LEU:H	11	0.12
(1,3214)	1:50:B:LEU:HD21	1:54:B:LEU:H	11	0.12
(1,3214)	1:50:B:LEU:HD22	1:54:B:LEU:H	11	0.12
(1,3214)	1:50:B:LEU:HD23	1:54:B:LEU:H	11	0.12
(1,3076)	1:99:B:ARG:H	1:97:B:ARG:HG3	17	0.12
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD11	5	0.12
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD12	5	0.12
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD13	5	0.12
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD11	5	0.12
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD12	5	0.12
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD13	5	0.12
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD11	18	0.12
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD12	18	0.12
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD13	18	0.12
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD11	18	0.12
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD12	18	0.12
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD13	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2996)	1:44:A:LEU:HD21	1:71:A:THR:HA	2	0.12
(1,2996)	1:44:A:LEU:HD22	1:71:A:THR:HA	2	0.12
(1,2996)	1:44:A:LEU:HD23	1:71:A:THR:HA	2	0.12
(1,2983)	1:49:B:ALA:H	1:46:B:LEU:HA	16	0.12
(1,2983)	1:49:B:ALA:H	1:46:B:LEU:HA	18	0.12
(1,2982)	1:49:A:ALA:H	1:46:A:LEU:HA	18	0.12
(1,2966)	1:80:A:VAL:HG21	1:84:A:PHE:HB2	19	0.12
(1,2966)	1:80:A:VAL:HG22	1:84:A:PHE:HB2	19	0.12
(1,2966)	1:80:A:VAL:HG23	1:84:A:PHE:HB2	19	0.12
(1,2965)	1:78:A:ILE:HA	1:82:A:ARG:H	8	0.12
(1,2955)	1:38:A:LEU:HD11	1:36:A:GLY:HA3	8	0.12
(1,2955)	1:38:A:LEU:HD12	1:36:A:GLY:HA3	8	0.12
(1,2955)	1:38:A:LEU:HD13	1:36:A:GLY:HA3	8	0.12
(1,2951)	1:80:A:VAL:HA	1:79:A:ASN:HB3	4	0.12
(1,2951)	1:80:A:VAL:HA	1:79:A:ASN:HB3	6	0.12
(1,2950)	1:80:B:VAL:HA	1:79:B:ASN:HB3	4	0.12
(1,2950)	1:80:B:VAL:HA	1:79:B:ASN:HB3	6	0.12
(1,2950)	1:80:B:VAL:HA	1:79:B:ASN:HB3	14	0.12
(1,2892)	1:87:B:GLU:HG2	1:87:B:GLU:H	11	0.12
(1,2876)	1:60:B:PRO:HG2	1:59:B:ILE:HG13	16	0.12
(1,2875)	1:60:A:PRO:HG2	1:59:A:ILE:HG13	16	0.12
(1,2848)	1:89:B:GLY:H	1:86:B:LYS:HA	13	0.12
(1,2822)	1:59:B:ILE:HD11	1:54:B:LEU:HA	15	0.12
(1,2822)	1:59:B:ILE:HD12	1:54:B:LEU:HA	15	0.12
(1,2822)	1:59:B:ILE:HD13	1:54:B:LEU:HA	15	0.12
(1,2822)	1:59:B:ILE:HD11	1:54:B:LEU:HA	18	0.12
(1,2822)	1:59:B:ILE:HD12	1:54:B:LEU:HA	18	0.12
(1,2822)	1:59:B:ILE:HD13	1:54:B:LEU:HA	18	0.12
(1,2821)	1:59:A:ILE:HD11	1:54:A:LEU:HA	15	0.12
(1,2821)	1:59:A:ILE:HD12	1:54:A:LEU:HA	15	0.12
(1,2821)	1:59:A:ILE:HD13	1:54:A:LEU:HA	15	0.12
(1,2821)	1:59:A:ILE:HD11	1:54:A:LEU:HA	18	0.12
(1,2821)	1:59:A:ILE:HD12	1:54:A:LEU:HA	18	0.12
(1,2821)	1:59:A:ILE:HD13	1:54:A:LEU:HA	18	0.12
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD11	16	0.12
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD12	16	0.12
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD13	16	0.12
(1,2740)	1:42:B:GLY:HA3	1:43:B:PRO:HD2	6	0.12
(1,2737)	1:78:B:ILE:HA	1:77:B:ALA:H	1	0.12
(1,2737)	1:78:B:ILE:HA	1:77:B:ALA:H	2	0.12
(1,2737)	1:78:B:ILE:HA	1:77:B:ALA:H	14	0.12
(1,2737)	1:78:B:ILE:HA	1:77:B:ALA:H	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2736)	1:78:A:ILE:HA	1:77:A:ALA:H	2	0.12
(1,2736)	1:78:A:ILE:HA	1:77:A:ALA:H	12	0.12
(1,2736)	1:78:A:ILE:HA	1:77:A:ALA:H	14	0.12
(1,2736)	1:78:A:ILE:HA	1:77:A:ALA:H	18	0.12
(1,2724)	1:47:B:PHE:HD1	1:65:B:ILE:HG13	5	0.12
(1,2724)	1:47:B:PHE:HD2	1:65:B:ILE:HG13	5	0.12
(1,2723)	1:47:A:PHE:HD1	1:65:A:ILE:HG13	5	0.12
(1,2723)	1:47:A:PHE:HD2	1:65:A:ILE:HG13	5	0.12
(1,2683)	1:26:B:VAL:HG11	1:22:B:ARG:HG3	15	0.12
(1,2683)	1:26:B:VAL:HG12	1:22:B:ARG:HG3	15	0.12
(1,2683)	1:26:B:VAL:HG13	1:22:B:ARG:HG3	15	0.12
(1,2680)	1:95:A:LEU:HB2	1:74:B:LYS:HD3	7	0.12
(1,2600)	1:90:B:ARG:HA	1:93:B:ASN:HB3	7	0.12
(1,2599)	1:90:A:ARG:HA	1:93:A:ASN:HB3	7	0.12
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG21	16	0.12
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG22	16	0.12
(1,2592)	1:69:A:TRP:H	1:65:A:ILE:HG23	16	0.12
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG21	16	0.12
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG22	16	0.12
(1,2591)	1:69:B:TRP:H	1:65:B:ILE:HG23	16	0.12
(1,2572)	1:72:B:ILE:HB	1:71:B:THR:HA	13	0.12
(1,2571)	1:72:A:ILE:HB	1:71:A:THR:HA	13	0.12
(1,2560)	1:27:B:GLN:HB2	1:23:B:VAL:HG11	3	0.12
(1,2560)	1:27:B:GLN:HB2	1:23:B:VAL:HG12	3	0.12
(1,2560)	1:27:B:GLN:HB2	1:23:B:VAL:HG13	3	0.12
(1,2544)	1:27:A:GLN:H	1:26:A:VAL:HB	2	0.12
(1,2544)	1:27:A:GLN:H	1:26:A:VAL:HB	19	0.12
(1,2543)	1:27:B:GLN:H	1:26:B:VAL:HB	2	0.12
(1,2543)	1:27:B:GLN:H	1:26:B:VAL:HB	19	0.12
(1,2519)	1:38:A:LEU:HA	1:38:A:LEU:HD21	13	0.12
(1,2519)	1:38:A:LEU:HA	1:38:A:LEU:HD22	13	0.12
(1,2519)	1:38:A:LEU:HA	1:38:A:LEU:HD23	13	0.12
(1,2518)	1:38:B:LEU:HA	1:38:B:LEU:HD21	13	0.12
(1,2518)	1:38:B:LEU:HA	1:38:B:LEU:HD22	13	0.12
(1,2518)	1:38:B:LEU:HA	1:38:B:LEU:HD23	13	0.12
(1,2491)	1:23:B:VAL:HG11	1:24:B:SER:H	14	0.12
(1,2491)	1:23:B:VAL:HG12	1:24:B:SER:H	14	0.12
(1,2491)	1:23:B:VAL:HG13	1:24:B:SER:H	14	0.12
(1,2443)	1:22:B:ARG:HB3	1:23:B:VAL:HA	15	0.12
(1,2430)	1:48:A:MET:HB3	1:45:A:LYS:HA	11	0.12
(1,2376)	1:25:B:THR:H	1:23:B:VAL:HG21	1	0.12
(1,2376)	1:25:B:THR:H	1:23:B:VAL:HG22	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2376)	1:25:B:THR:H	1:23:B:VAL:HG23	1	0.12
(1,2355)	1:27:B:GLN:HA	1:29:B:LEU:H	2	0.12
(1,2355)	1:27:B:GLN:HA	1:29:B:LEU:H	6	0.12
(1,2355)	1:27:B:GLN:HA	1:29:B:LEU:H	12	0.12
(1,2354)	1:27:A:GLN:HA	1:29:A:LEU:H	6	0.12
(1,2324)	1:78:A:ILE:HA	1:92:B:LEU:HA	15	0.12
(1,2291)	1:23:B:VAL:HG21	1:23:B:VAL:H	12	0.12
(1,2291)	1:23:B:VAL:HG22	1:23:B:VAL:H	12	0.12
(1,2291)	1:23:B:VAL:HG23	1:23:B:VAL:H	12	0.12
(1,2290)	1:23:B:VAL:HG11	1:23:B:VAL:H	15	0.12
(1,2290)	1:23:B:VAL:HG12	1:23:B:VAL:H	15	0.12
(1,2290)	1:23:B:VAL:HG13	1:23:B:VAL:H	15	0.12
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD21	4	0.12
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD22	4	0.12
(1,2267)	1:41:B:ARG:H	1:38:B:LEU:HD23	4	0.12
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD21	4	0.12
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD22	4	0.12
(1,2266)	1:41:A:ARG:H	1:38:A:LEU:HD23	4	0.12
(1,2235)	1:67:B:LYS:HB3	1:67:B:LYS:HA	16	0.12
(1,2234)	1:67:A:LYS:HB3	1:67:A:LYS:HA	16	0.12
(1,2229)	1:43:B:PRO:HB2	1:44:B:LEU:H	13	0.12
(1,2228)	1:43:A:PRO:HB2	1:44:A:LEU:H	13	0.12
(1,2218)	1:91:B:MET:HG2	1:88:B:ILE:HA	1	0.12
(1,2153)	1:42:A:GLY:HA2	1:43:A:PRO:HD2	1	0.12
(1,2153)	1:42:A:GLY:HA2	1:43:A:PRO:HD2	17	0.12
(1,2152)	1:42:B:GLY:HA2	1:43:B:PRO:HD2	1	0.12
(1,2096)	1:23:B:VAL:HG11	1:24:B:SER:H	14	0.12
(1,2096)	1:23:B:VAL:HG12	1:24:B:SER:H	14	0.12
(1,2096)	1:23:B:VAL:HG13	1:24:B:SER:H	14	0.12
(1,2095)	1:23:A:VAL:HG11	1:24:A:SER:H	4	0.12
(1,2095)	1:23:A:VAL:HG12	1:24:A:SER:H	4	0.12
(1,2095)	1:23:A:VAL:HG13	1:24:A:SER:H	4	0.12
(1,2095)	1:23:A:VAL:HG11	1:24:A:SER:H	20	0.12
(1,2095)	1:23:A:VAL:HG12	1:24:A:SER:H	20	0.12
(1,2095)	1:23:A:VAL:HG13	1:24:A:SER:H	20	0.12
(1,2092)	1:45:A:LYS:HE3	1:45:A:LYS:HB3	1	0.12
(1,2091)	1:45:B:LYS:HE3	1:45:B:LYS:HB3	1	0.12
(1,2086)	1:92:A:LEU:HG	1:93:A:ASN:H	3	0.12
(1,2085)	1:92:B:LEU:HG	1:93:B:ASN:H	3	0.12
(1,2083)	1:41:A:ARG:HB3	1:42:A:GLY:H	11	0.12
(1,2043)	1:72:B:ILE:H	1:72:B:ILE:HG21	1	0.12
(1,2043)	1:72:B:ILE:H	1:72:B:ILE:HG22	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:72:B:ILE:H	1:72:B:ILE:HG23	1	0.12
(1,2042)	1:72:A:ILE:H	1:72:A:ILE:HG21	1	0.12
(1,2042)	1:72:A:ILE:H	1:72:A:ILE:HG22	1	0.12
(1,2042)	1:72:A:ILE:H	1:72:A:ILE:HG23	1	0.12
(1,2011)	1:95:A:LEU:HD11	1:94:A:ILE:HD11	14	0.12
(1,2011)	1:95:A:LEU:HD11	1:94:A:ILE:HD12	14	0.12
(1,2011)	1:95:A:LEU:HD11	1:94:A:ILE:HD13	14	0.12
(1,2011)	1:95:A:LEU:HD12	1:94:A:ILE:HD11	14	0.12
(1,2011)	1:95:A:LEU:HD12	1:94:A:ILE:HD12	14	0.12
(1,2011)	1:95:A:LEU:HD12	1:94:A:ILE:HD13	14	0.12
(1,2011)	1:95:A:LEU:HD13	1:94:A:ILE:HD11	14	0.12
(1,2011)	1:95:A:LEU:HD13	1:94:A:ILE:HD12	14	0.12
(1,2011)	1:95:A:LEU:HD13	1:94:A:ILE:HD13	14	0.12
(1,2010)	1:95:B:LEU:HD11	1:94:B:ILE:HD11	11	0.12
(1,2010)	1:95:B:LEU:HD11	1:94:B:ILE:HD12	11	0.12
(1,2010)	1:95:B:LEU:HD11	1:94:B:ILE:HD13	11	0.12
(1,2010)	1:95:B:LEU:HD12	1:94:B:ILE:HD11	11	0.12
(1,2010)	1:95:B:LEU:HD12	1:94:B:ILE:HD12	11	0.12
(1,2010)	1:95:B:LEU:HD12	1:94:B:ILE:HD13	11	0.12
(1,2010)	1:95:B:LEU:HD13	1:94:B:ILE:HD11	11	0.12
(1,2010)	1:95:B:LEU:HD13	1:94:B:ILE:HD12	11	0.12
(1,2010)	1:95:B:LEU:HD13	1:94:B:ILE:HD13	11	0.12
(1,2000)	1:23:A:VAL:HB	1:24:A:SER:H	13	0.12
(1,1983)	1:59:A:ILE:H	1:59:A:ILE:HB	17	0.12
(1,1982)	1:59:B:ILE:H	1:59:B:ILE:HB	17	0.12
(1,1934)	1:56:A:PHE:HD1	1:84:B:PHE:HD1	1	0.12
(1,1934)	1:56:A:PHE:HD1	1:84:B:PHE:HD2	1	0.12
(1,1934)	1:56:A:PHE:HD2	1:84:B:PHE:HD1	1	0.12
(1,1934)	1:56:A:PHE:HD2	1:84:B:PHE:HD2	1	0.12
(1,1919)	1:57:B:LEU:H	1:58:B:THR:H	11	0.12
(1,1910)	1:87:B:GLU:HB3	1:90:B:ARG:H	8	0.12
(1,1909)	1:87:A:GLU:HB3	1:90:A:ARG:H	1	0.12
(1,1909)	1:87:A:GLU:HB3	1:90:A:ARG:H	8	0.12
(1,1908)	1:23:A:VAL:HB	1:23:A:VAL:H	5	0.12
(1,1908)	1:23:A:VAL:HB	1:23:A:VAL:H	9	0.12
(1,1908)	1:23:A:VAL:HB	1:23:A:VAL:H	13	0.12
(1,1907)	1:23:B:VAL:HB	1:23:B:VAL:H	5	0.12
(1,1907)	1:23:B:VAL:HB	1:23:B:VAL:H	9	0.12
(1,1907)	1:23:B:VAL:HB	1:23:B:VAL:H	13	0.12
(1,1874)	1:58:A:THR:HA	1:59:A:ILE:H	7	0.12
(1,1874)	1:58:A:THR:HA	1:59:A:ILE:H	18	0.12
(1,1873)	1:58:B:THR:HA	1:59:B:ILE:H	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1873)	1:58:B:THR:HA	1:59:B:ILE:H	18	0.12
(1,1849)	1:97:B:ARG:HA	1:97:B:ARG:HB3	1	0.12
(1,1849)	1:97:B:ARG:HA	1:97:B:ARG:HB3	2	0.12
(1,1849)	1:97:B:ARG:HA	1:97:B:ARG:HB3	3	0.12
(1,1849)	1:97:B:ARG:HA	1:97:B:ARG:HB3	4	0.12
(1,1849)	1:97:B:ARG:HA	1:97:B:ARG:HB3	5	0.12
(1,1849)	1:97:B:ARG:HA	1:97:B:ARG:HB3	6	0.12
(1,1849)	1:97:B:ARG:HA	1:97:B:ARG:HB3	7	0.12
(1,1849)	1:97:B:ARG:HA	1:97:B:ARG:HB3	8	0.12
(1,1849)	1:97:B:ARG:HA	1:97:B:ARG:HB3	9	0.12
(1,1849)	1:97:B:ARG:HA	1:97:B:ARG:HB3	11	0.12
(1,1849)	1:97:B:ARG:HA	1:97:B:ARG:HB3	12	0.12
(1,1849)	1:97:B:ARG:HA	1:97:B:ARG:HB3	13	0.12
(1,1849)	1:97:B:ARG:HA	1:97:B:ARG:HB3	14	0.12
(1,1849)	1:97:B:ARG:HA	1:97:B:ARG:HB3	15	0.12
(1,1849)	1:97:B:ARG:HA	1:97:B:ARG:HB3	16	0.12
(1,1849)	1:97:B:ARG:HA	1:97:B:ARG:HB3	17	0.12
(1,1849)	1:97:B:ARG:HA	1:97:B:ARG:HB3	18	0.12
(1,1849)	1:97:B:ARG:HA	1:97:B:ARG:HB3	19	0.12
(1,1848)	1:97:A:ARG:HA	1:97:A:ARG:HB3	1	0.12
(1,1848)	1:97:A:ARG:HA	1:97:A:ARG:HB3	2	0.12
(1,1848)	1:97:A:ARG:HA	1:97:A:ARG:HB3	3	0.12
(1,1848)	1:97:A:ARG:HA	1:97:A:ARG:HB3	4	0.12
(1,1848)	1:97:A:ARG:HA	1:97:A:ARG:HB3	5	0.12
(1,1848)	1:97:A:ARG:HA	1:97:A:ARG:HB3	6	0.12
(1,1848)	1:97:A:ARG:HA	1:97:A:ARG:HB3	7	0.12
(1,1848)	1:97:A:ARG:HA	1:97:A:ARG:HB3	8	0.12
(1,1848)	1:97:A:ARG:HA	1:97:A:ARG:HB3	9	0.12
(1,1848)	1:97:A:ARG:HA	1:97:A:ARG:HB3	11	0.12
(1,1848)	1:97:A:ARG:HA	1:97:A:ARG:HB3	12	0.12
(1,1848)	1:97:A:ARG:HA	1:97:A:ARG:HB3	13	0.12
(1,1848)	1:97:A:ARG:HA	1:97:A:ARG:HB3	14	0.12
(1,1848)	1:97:A:ARG:HA	1:97:A:ARG:HB3	15	0.12
(1,1848)	1:97:A:ARG:HA	1:97:A:ARG:HB3	16	0.12
(1,1848)	1:97:A:ARG:HA	1:97:A:ARG:HB3	17	0.12
(1,1848)	1:97:A:ARG:HA	1:97:A:ARG:HB3	18	0.12
(1,1848)	1:97:A:ARG:HA	1:97:A:ARG:HB3	19	0.12
(1,1848)	1:97:A:ARG:HA	1:97:A:ARG:HB3	20	0.12
(1,1845)	1:51:B:VAL:HA	1:54:B:LEU:HB2	19	0.12
(1,1844)	1:51:A:VAL:HA	1:54:A:LEU:HB2	19	0.12
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD21	8	0.12
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD22	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1840)	1:72:B:ILE:HB	1:44:B:LEU:HD23	8	0.12
(1,1816)	1:74:A:LYS:HA	1:77:A:ALA:H	17	0.12
(1,1815)	1:74:B:LYS:HA	1:77:B:ALA:H	17	0.12
(1,1802)	1:77:B:ALA:H	1:76:B:LYS:HB2	2	0.12
(1,1801)	1:84:A:PHE:HD1	1:85:A:ARG:HA	4	0.12
(1,1801)	1:84:A:PHE:HD2	1:85:A:ARG:HA	4	0.12
(1,1800)	1:84:B:PHE:HD1	1:85:B:ARG:HA	4	0.12
(1,1800)	1:84:B:PHE:HD2	1:85:B:ARG:HA	4	0.12
(1,1792)	1:86:A:LYS:HB2	1:87:A:GLU:H	15	0.12
(1,1787)	1:86:A:LYS:HG3	1:86:A:LYS:H	4	0.12
(1,1787)	1:86:A:LYS:HG3	1:86:A:LYS:H	16	0.12
(1,1786)	1:86:B:LYS:HG3	1:86:B:LYS:H	3	0.12
(1,1786)	1:86:B:LYS:HG3	1:86:B:LYS:H	5	0.12
(1,1786)	1:86:B:LYS:HG3	1:86:B:LYS:H	16	0.12
(1,1782)	1:44:A:LEU:HA	1:47:A:PHE:HB2	18	0.12
(1,1771)	1:46:B:LEU:H	1:48:B:MET:H	19	0.12
(1,1740)	1:82:B:ARG:HA	1:85:B:ARG:H	6	0.12
(1,1740)	1:82:B:ARG:HA	1:85:B:ARG:H	11	0.12
(1,1739)	1:82:A:ARG:HA	1:85:A:ARG:H	6	0.12
(1,1711)	1:82:B:ARG:HA	1:85:B:ARG:HD3	20	0.12
(1,1710)	1:82:A:ARG:HA	1:85:A:ARG:HD3	20	0.12
(1,1674)	1:58:A:THR:HG21	1:58:A:THR:H	10	0.12
(1,1674)	1:58:A:THR:HG22	1:58:A:THR:H	10	0.12
(1,1674)	1:58:A:THR:HG23	1:58:A:THR:H	10	0.12
(1,1673)	1:58:B:THR:HG21	1:58:B:THR:H	10	0.12
(1,1673)	1:58:B:THR:HG22	1:58:B:THR:H	10	0.12
(1,1673)	1:58:B:THR:HG23	1:58:B:THR:H	10	0.12
(1,1668)	1:78:A:ILE:HG21	1:92:B:LEU:HA	2	0.12
(1,1668)	1:78:A:ILE:HG22	1:92:B:LEU:HA	2	0.12
(1,1668)	1:78:A:ILE:HG23	1:92:B:LEU:HA	2	0.12
(1,1667)	1:78:B:ILE:HG21	1:92:A:LEU:HA	5	0.12
(1,1667)	1:78:B:ILE:HG22	1:92:A:LEU:HA	5	0.12
(1,1667)	1:78:B:ILE:HG23	1:92:A:LEU:HA	5	0.12
(1,1666)	1:95:A:LEU:HG	1:92:A:LEU:HA	3	0.12
(1,1666)	1:95:A:LEU:HG	1:92:A:LEU:HA	11	0.12
(1,1665)	1:95:B:LEU:HG	1:92:B:LEU:HA	11	0.12
(1,1661)	1:82:B:ARG:HA	1:83:B:GLY:H	4	0.12
(1,1649)	1:95:A:LEU:HD11	1:92:A:LEU:HA	3	0.12
(1,1649)	1:95:A:LEU:HD12	1:92:A:LEU:HA	3	0.12
(1,1649)	1:95:A:LEU:HD13	1:92:A:LEU:HA	3	0.12
(1,1632)	1:52:A:ALA:H	1:48:A:MET:HA	11	0.12
(1,1631)	1:52:B:ALA:H	1:48:B:MET:HA	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1459)	1:60:A:PRO:HA	1:60:A:PRO:HD3	8	0.12
(1,1459)	1:60:A:PRO:HA	1:60:A:PRO:HD3	20	0.12
(1,1448)	1:91:B:MET:HA	1:94:B:ILE:H	1	0.12
(1,1448)	1:91:B:MET:HA	1:94:B:ILE:H	5	0.12
(1,1448)	1:91:B:MET:HA	1:94:B:ILE:H	9	0.12
(1,1447)	1:91:A:MET:HA	1:94:A:ILE:H	1	0.12
(1,1447)	1:91:A:MET:HA	1:94:A:ILE:H	3	0.12
(1,1447)	1:91:A:MET:HA	1:94:A:ILE:H	5	0.12
(1,1447)	1:91:A:MET:HA	1:94:A:ILE:H	9	0.12
(1,1442)	1:97:B:ARG:HA	1:98:B:ARG:H	9	0.12
(1,1381)	1:99:A:ARG:HA	1:100:A:ARG:HB2	9	0.12
(1,1368)	1:93:A:ASN:HA	1:96:A:ASN:H	19	0.12
(1,1367)	1:93:B:ASN:HA	1:96:B:ASN:H	19	0.12
(1,1332)	1:45:A:LYS:HG2	1:45:A:LYS:H	15	0.12
(1,1325)	1:88:A:ILE:HG21	1:90:A:ARG:H	2	0.12
(1,1325)	1:88:A:ILE:HG22	1:90:A:ARG:H	2	0.12
(1,1325)	1:88:A:ILE:HG23	1:90:A:ARG:H	2	0.12
(1,1265)	1:22:A:ARG:HG2	1:22:A:ARG:HA	8	0.12
(1,1264)	1:22:B:ARG:HG2	1:22:B:ARG:HA	8	0.12
(1,1264)	1:22:B:ARG:HG2	1:22:B:ARG:HA	9	0.12
(1,1216)	1:23:B:VAL:HG21	1:23:B:VAL:H	12	0.12
(1,1216)	1:23:B:VAL:HG22	1:23:B:VAL:H	12	0.12
(1,1216)	1:23:B:VAL:HG23	1:23:B:VAL:H	12	0.12
(1,1214)	1:23:B:VAL:HG11	1:23:B:VAL:H	15	0.12
(1,1214)	1:23:B:VAL:HG12	1:23:B:VAL:H	15	0.12
(1,1214)	1:23:B:VAL:HG13	1:23:B:VAL:H	15	0.12
(1,1195)	1:42:A:GLY:HA2	1:43:A:PRO:HG3	9	0.12
(1,1175)	1:94:A:ILE:HA	1:97:A:ARG:H	10	0.12
(1,1147)	1:25:B:THR:HG21	1:24:B:SER:HA	7	0.12
(1,1147)	1:25:B:THR:HG22	1:24:B:SER:HA	7	0.12
(1,1147)	1:25:B:THR:HG23	1:24:B:SER:HA	7	0.12
(1,1146)	1:25:A:THR:HG21	1:24:A:SER:HA	7	0.12
(1,1146)	1:25:A:THR:HG22	1:24:A:SER:HA	7	0.12
(1,1146)	1:25:A:THR:HG23	1:24:A:SER:HA	7	0.12
(1,1131)	1:50:B:LEU:HD11	1:50:B:LEU:HA	10	0.12
(1,1131)	1:50:B:LEU:HD12	1:50:B:LEU:HA	10	0.12
(1,1131)	1:50:B:LEU:HD13	1:50:B:LEU:HA	10	0.12
(1,1130)	1:50:A:LEU:HD11	1:50:A:LEU:HA	10	0.12
(1,1130)	1:50:A:LEU:HD12	1:50:A:LEU:HA	10	0.12
(1,1130)	1:50:A:LEU:HD13	1:50:A:LEU:HA	10	0.12
(1,1107)	1:96:B:ASN:HA	1:97:B:ARG:H	6	0.12
(1,1106)	1:96:A:ASN:HA	1:97:A:ARG:H	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1085)	1:77:A:ALA:H	1:76:A:LYS:HD2	11	0.12
(1,1050)	1:70:A:GLY:H	1:69:A:TRP:HE3	13	0.12
(1,1043)	1:92:A:LEU:HG	1:92:A:LEU:H	1	0.12
(1,1043)	1:92:A:LEU:HG	1:92:A:LEU:H	7	0.12
(1,1043)	1:92:A:LEU:HG	1:92:A:LEU:H	10	0.12
(1,1043)	1:92:A:LEU:HG	1:92:A:LEU:H	16	0.12
(1,1043)	1:92:A:LEU:HG	1:92:A:LEU:H	17	0.12
(1,1043)	1:92:A:LEU:HG	1:92:A:LEU:H	18	0.12
(1,1042)	1:92:B:LEU:HG	1:92:B:LEU:H	1	0.12
(1,1042)	1:92:B:LEU:HG	1:92:B:LEU:H	7	0.12
(1,1042)	1:92:B:LEU:HG	1:92:B:LEU:H	10	0.12
(1,1042)	1:92:B:LEU:HG	1:92:B:LEU:H	17	0.12
(1,1042)	1:92:B:LEU:HG	1:92:B:LEU:H	18	0.12
(1,985)	1:23:B:VAL:HG11	1:24:B:SER:H	15	0.12
(1,985)	1:23:B:VAL:HG12	1:24:B:SER:H	15	0.12
(1,985)	1:23:B:VAL:HG13	1:24:B:SER:H	15	0.12
(1,952)	1:97:A:ARG:HA	1:97:A:ARG:H	8	0.12
(1,951)	1:97:B:ARG:HA	1:97:B:ARG:H	8	0.12
(1,938)	1:87:B:GLU:HA	1:90:B:ARG:HD2	9	0.12
(1,935)	1:51:A:VAL:HG11	1:65:A:ILE:HA	11	0.12
(1,935)	1:51:A:VAL:HG12	1:65:A:ILE:HA	11	0.12
(1,935)	1:51:A:VAL:HG13	1:65:A:ILE:HA	11	0.12
(1,934)	1:51:B:VAL:HG11	1:65:B:ILE:HA	11	0.12
(1,934)	1:51:B:VAL:HG12	1:65:B:ILE:HA	11	0.12
(1,934)	1:51:B:VAL:HG13	1:65:B:ILE:HA	11	0.12
(1,927)	1:80:A:VAL:HG21	1:45:A:LYS:HG3	18	0.12
(1,927)	1:80:A:VAL:HG22	1:45:A:LYS:HG3	18	0.12
(1,927)	1:80:A:VAL:HG23	1:45:A:LYS:HG3	18	0.12
(1,925)	1:82:B:ARG:HA	1:86:B:LYS:H	19	0.12
(1,924)	1:82:A:ARG:HA	1:86:A:LYS:H	15	0.12
(1,785)	1:75:B:SER:H	1:74:B:LYS:HB2	6	0.12
(1,785)	1:75:B:SER:H	1:74:B:LYS:HB2	18	0.12
(1,783)	1:22:A:ARG:HG3	1:23:A:VAL:H	6	0.12
(1,776)	1:88:A:ILE:H	1:89:A:GLY:HA2	2	0.12
(1,716)	1:44:A:LEU:HD21	1:73:A:LYS:H	18	0.12
(1,716)	1:44:A:LEU:HD22	1:73:A:LYS:H	18	0.12
(1,716)	1:44:A:LEU:HD23	1:73:A:LYS:H	18	0.12
(1,687)	1:38:B:LEU:HA	1:38:B:LEU:HD21	13	0.12
(1,687)	1:38:B:LEU:HA	1:38:B:LEU:HD22	13	0.12
(1,687)	1:38:B:LEU:HA	1:38:B:LEU:HD23	13	0.12
(1,686)	1:38:A:LEU:HA	1:38:A:LEU:HD21	13	0.12
(1,686)	1:38:A:LEU:HA	1:38:A:LEU:HD22	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,686)	1:38:A:LEU:HA	1:38:A:LEU:HD23	13	0.12
(1,679)	1:54:A:LEU:HG	1:54:A:LEU:HA	7	0.12
(1,679)	1:54:A:LEU:HG	1:54:A:LEU:HA	17	0.12
(1,678)	1:54:B:LEU:HG	1:54:B:LEU:HA	7	0.12
(1,678)	1:54:B:LEU:HG	1:54:B:LEU:HA	17	0.12
(1,610)	1:61:A:PRO:HB2	1:66:A:LEU:HD21	10	0.12
(1,610)	1:61:A:PRO:HB2	1:66:A:LEU:HD22	10	0.12
(1,610)	1:61:A:PRO:HB2	1:66:A:LEU:HD23	10	0.12
(1,578)	1:58:B:THR:HG21	1:59:B:ILE:HA	6	0.12
(1,578)	1:58:B:THR:HG22	1:59:B:ILE:HA	6	0.12
(1,578)	1:58:B:THR:HG23	1:59:B:ILE:HA	6	0.12
(1,559)	1:65:A:ILE:HD11	1:51:A:VAL:HA	18	0.12
(1,559)	1:65:A:ILE:HD12	1:51:A:VAL:HA	18	0.12
(1,559)	1:65:A:ILE:HD13	1:51:A:VAL:HA	18	0.12
(1,558)	1:65:B:ILE:HD11	1:51:B:VAL:HA	18	0.12
(1,558)	1:65:B:ILE:HD12	1:51:B:VAL:HA	18	0.12
(1,558)	1:65:B:ILE:HD13	1:51:B:VAL:HA	18	0.12
(1,551)	1:25:A:THR:H	1:29:A:LEU:H	8	0.12
(1,542)	1:52:B:ALA:H	1:53:B:PHE:HB3	20	0.12
(1,541)	1:52:A:ALA:H	1:53:A:PHE:HB3	20	0.12
(1,528)	1:32:A:ARG:H	1:31:A:LYS:HA	13	0.12
(1,442)	1:74:B:LYS:HB2	1:75:B:SER:HB3	12	0.12
(1,441)	1:74:A:LYS:HB2	1:75:A:SER:HB3	12	0.12
(1,435)	1:57:A:LEU:HD11	1:49:B:ALA:HB1	8	0.12
(1,435)	1:57:A:LEU:HD11	1:49:B:ALA:HB2	8	0.12
(1,435)	1:57:A:LEU:HD11	1:49:B:ALA:HB3	8	0.12
(1,435)	1:57:A:LEU:HD12	1:49:B:ALA:HB1	8	0.12
(1,435)	1:57:A:LEU:HD12	1:49:B:ALA:HB2	8	0.12
(1,435)	1:57:A:LEU:HD12	1:49:B:ALA:HB3	8	0.12
(1,435)	1:57:A:LEU:HD13	1:49:B:ALA:HB1	8	0.12
(1,435)	1:57:A:LEU:HD13	1:49:B:ALA:HB2	8	0.12
(1,435)	1:57:A:LEU:HD13	1:49:B:ALA:HB3	8	0.12
(1,421)	1:69:A:TRP:H	1:68:A:ARG:HA	9	0.12
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB1	20	0.12
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB2	20	0.12
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB3	20	0.12
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB1	17	0.12
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB2	17	0.12
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB3	17	0.12
(1,393)	1:27:A:GLN:HB2	1:26:A:VAL:HG11	12	0.12
(1,393)	1:27:A:GLN:HB2	1:26:A:VAL:HG12	12	0.12
(1,393)	1:27:A:GLN:HB2	1:26:A:VAL:HG13	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,373)	1:56:B:PHE:HD1	1:49:A:ALA:HA	13	0.12
(1,373)	1:56:B:PHE:HD2	1:49:A:ALA:HA	13	0.12
(1,373)	1:56:B:PHE:HD1	1:49:A:ALA:HA	18	0.12
(1,373)	1:56:B:PHE:HD2	1:49:A:ALA:HA	18	0.12
(1,362)	1:76:B:LYS:HB3	1:76:B:LYS:H	7	0.12
(1,362)	1:76:B:LYS:HB3	1:76:B:LYS:H	12	0.12
(1,362)	1:76:B:LYS:HB3	1:76:B:LYS:H	13	0.12
(1,362)	1:76:B:LYS:HB3	1:76:B:LYS:H	14	0.12
(1,362)	1:76:B:LYS:HB3	1:76:B:LYS:H	20	0.12
(1,361)	1:79:A:ASN:H	1:79:A:ASN:HA	5	0.12
(1,360)	1:79:B:ASN:H	1:79:B:ASN:HA	5	0.12
(1,359)	1:94:A:ILE:HD11	1:94:A:ILE:H	16	0.12
(1,359)	1:94:A:ILE:HD12	1:94:A:ILE:H	16	0.12
(1,359)	1:94:A:ILE:HD13	1:94:A:ILE:H	16	0.12
(1,358)	1:94:B:ILE:HD11	1:94:B:ILE:H	16	0.12
(1,358)	1:94:B:ILE:HD12	1:94:B:ILE:H	16	0.12
(1,358)	1:94:B:ILE:HD13	1:94:B:ILE:H	16	0.12
(1,352)	1:75:A:SER:H	1:76:A:LYS:H	13	0.12
(1,351)	1:65:B:ILE:HD11	1:65:B:ILE:H	3	0.12
(1,351)	1:65:B:ILE:HD12	1:65:B:ILE:H	3	0.12
(1,351)	1:65:B:ILE:HD13	1:65:B:ILE:H	3	0.12
(1,351)	1:65:B:ILE:HD11	1:65:B:ILE:H	4	0.12
(1,351)	1:65:B:ILE:HD12	1:65:B:ILE:H	4	0.12
(1,351)	1:65:B:ILE:HD13	1:65:B:ILE:H	4	0.12
(1,351)	1:65:B:ILE:HD11	1:65:B:ILE:H	8	0.12
(1,351)	1:65:B:ILE:HD12	1:65:B:ILE:H	8	0.12
(1,351)	1:65:B:ILE:HD13	1:65:B:ILE:H	8	0.12
(1,351)	1:65:B:ILE:HD11	1:65:B:ILE:H	9	0.12
(1,351)	1:65:B:ILE:HD12	1:65:B:ILE:H	9	0.12
(1,351)	1:65:B:ILE:HD13	1:65:B:ILE:H	9	0.12
(1,350)	1:65:A:ILE:HD11	1:65:A:ILE:H	3	0.12
(1,350)	1:65:A:ILE:HD12	1:65:A:ILE:H	3	0.12
(1,350)	1:65:A:ILE:HD13	1:65:A:ILE:H	3	0.12
(1,350)	1:65:A:ILE:HD11	1:65:A:ILE:H	4	0.12
(1,350)	1:65:A:ILE:HD12	1:65:A:ILE:H	4	0.12
(1,350)	1:65:A:ILE:HD13	1:65:A:ILE:H	4	0.12
(1,350)	1:65:A:ILE:HD11	1:65:A:ILE:H	9	0.12
(1,350)	1:65:A:ILE:HD12	1:65:A:ILE:H	9	0.12
(1,350)	1:65:A:ILE:HD13	1:65:A:ILE:H	9	0.12
(1,340)	1:75:B:SER:H	1:75:B:SER:HB2	3	0.12
(1,291)	1:25:B:THR:HG21	1:26:B:VAL:H	1	0.12
(1,291)	1:25:B:THR:HG22	1:26:B:VAL:H	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,291)	1:25:B:THR:HG23	1:26:B:VAL:H	1	0.12
(1,290)	1:25:A:THR:HG21	1:26:A:VAL:H	1	0.12
(1,290)	1:25:A:THR:HG22	1:26:A:VAL:H	1	0.12
(1,290)	1:25:A:THR:HG23	1:26:A:VAL:H	1	0.12
(1,191)	1:77:A:ALA:HB1	1:75:A:SER:H	19	0.12
(1,191)	1:77:A:ALA:HB2	1:75:A:SER:H	19	0.12
(1,191)	1:77:A:ALA:HB3	1:75:A:SER:H	19	0.12
(1,189)	1:96:B:ASN:HA	1:92:B:LEU:HA	11	0.12
(1,168)	1:78:A:ILE:HA	1:95:B:LEU:HG	1	0.12
(1,153)	1:95:A:LEU:HD21	1:72:B:ILE:HG12	6	0.12
(1,153)	1:95:A:LEU:HD22	1:72:B:ILE:HG12	6	0.12
(1,153)	1:95:A:LEU:HD23	1:72:B:ILE:HG12	6	0.12
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD1	5	0.12
(1,101)	1:56:A:PHE:HA	1:84:B:PHE:HD2	5	0.12
(1,85)	1:69:A:TRP:HH2	1:91:B:MET:HA	13	0.12
(1,53)	1:91:A:MET:HG3	1:69:B:TRP:HH2	11	0.12
(1,45)	1:95:B:LEU:HA	1:74:A:LYS:HE2	6	0.12
(1,16)	1:55:B:ARG:HB3	1:91:A:MET:HG2	5	0.12
(2,338)	1:63:B:ALA:HA	1:67:B:LYS:HD2	14	0.11
(2,300)	1:27:A:GLN:HB2	1:25:A:THR:H	17	0.11
(2,237)	1:41:B:ARG:HG3	1:42:B:GLY:H	10	0.11
(2,235)	1:41:A:ARG:HG3	1:42:A:GLY:H	10	0.11
(2,187)	1:76:A:LYS:HB3	1:76:A:LYS:H	13	0.11
(2,187)	1:76:A:LYS:HB3	1:76:A:LYS:H	16	0.11
(2,172)	1:61:B:PRO:HB2	1:66:B:LEU:HD21	10	0.11
(2,172)	1:61:B:PRO:HB2	1:66:B:LEU:HD22	10	0.11
(2,172)	1:61:B:PRO:HB2	1:66:B:LEU:HD23	10	0.11
(2,158)	1:95:B:LEU:HD21	1:72:A:ILE:HG12	9	0.11
(2,158)	1:95:B:LEU:HD22	1:72:A:ILE:HG12	9	0.11
(2,158)	1:95:B:LEU:HD23	1:72:A:ILE:HG12	9	0.11
(2,120)	1:59:B:ILE:HD11	1:60:B:PRO:HD2	3	0.11
(2,120)	1:59:B:ILE:HD12	1:60:B:PRO:HD2	3	0.11
(2,120)	1:59:B:ILE:HD13	1:60:B:PRO:HD2	3	0.11
(2,95)	1:22:A:ARG:H	1:21:A:ASN:HB2	9	0.11
(2,64)	1:92:B:LEU:HG	1:91:B:MET:HB2	13	0.11
(2,63)	1:60:B:PRO:HA	1:60:B:PRO:HD3	19	0.11
(2,61)	1:68:B:ARG:H	1:67:B:LYS:HB2	17	0.11
(1,3482)	1:94:B:ILE:HB	1:92:B:LEU:H	12	0.11
(1,3481)	1:94:A:ILE:HB	1:92:A:LEU:H	12	0.11
(1,3449)	1:62:A:THR:HB	1:24:A:SER:H	8	0.11
(1,3449)	1:62:A:THR:HB	1:24:A:SER:H	15	0.11
(1,3448)	1:62:B:THR:HB	1:24:B:SER:H	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3412)	1:45:A:LYS:HB2	1:47:A:PHE:H	13	0.11
(1,3411)	1:45:B:LYS:HB2	1:47:B:PHE:H	13	0.11
(1,3404)	1:29:B:LEU:H	1:30:B:THR:HA	1	0.11
(1,3404)	1:29:B:LEU:H	1:30:B:THR:HA	4	0.11
(1,3403)	1:29:A:LEU:H	1:30:A:THR:HA	1	0.11
(1,3403)	1:29:A:LEU:H	1:30:A:THR:HA	4	0.11
(1,3383)	1:87:A:GLU:HB3	1:55:B:ARG:HG3	12	0.11
(1,3367)	1:77:B:ALA:HB1	1:72:B:ILE:HA	8	0.11
(1,3367)	1:77:B:ALA:HB2	1:72:B:ILE:HA	8	0.11
(1,3367)	1:77:B:ALA:HB3	1:72:B:ILE:HA	8	0.11
(1,3366)	1:77:A:ALA:HB1	1:72:A:ILE:HA	8	0.11
(1,3366)	1:77:A:ALA:HB2	1:72:A:ILE:HA	8	0.11
(1,3366)	1:77:A:ALA:HB3	1:72:A:ILE:HA	8	0.11
(1,3363)	1:51:A:VAL:HG21	1:65:A:ILE:HG13	14	0.11
(1,3363)	1:51:A:VAL:HG22	1:65:A:ILE:HG13	14	0.11
(1,3363)	1:51:A:VAL:HG23	1:65:A:ILE:HG13	14	0.11
(1,3362)	1:51:B:VAL:HG21	1:65:B:ILE:HG13	14	0.11
(1,3362)	1:51:B:VAL:HG22	1:65:B:ILE:HG13	14	0.11
(1,3362)	1:51:B:VAL:HG23	1:65:B:ILE:HG13	14	0.11
(1,3342)	1:86:A:LYS:HA	1:89:A:GLY:HA2	9	0.11
(1,3342)	1:86:A:LYS:HA	1:89:A:GLY:HA2	11	0.11
(1,3338)	1:77:B:ALA:HB1	1:78:B:ILE:HB	7	0.11
(1,3338)	1:77:B:ALA:HB2	1:78:B:ILE:HB	7	0.11
(1,3338)	1:77:B:ALA:HB3	1:78:B:ILE:HB	7	0.11
(1,3337)	1:77:A:ALA:HB1	1:78:A:ILE:HB	7	0.11
(1,3337)	1:77:A:ALA:HB2	1:78:A:ILE:HB	7	0.11
(1,3337)	1:77:A:ALA:HB3	1:78:A:ILE:HB	7	0.11
(1,3334)	1:97:A:ARG:HA	1:94:A:ILE:HA	15	0.11
(1,3333)	1:97:B:ARG:HA	1:94:B:ILE:HA	15	0.11
(1,3321)	1:88:B:ILE:HA	1:90:B:ARG:H	6	0.11
(1,3319)	1:71:A:THR:HG21	1:44:A:LEU:HA	11	0.11
(1,3319)	1:71:A:THR:HG22	1:44:A:LEU:HA	11	0.11
(1,3319)	1:71:A:THR:HG23	1:44:A:LEU:HA	11	0.11
(1,3318)	1:71:B:THR:HG21	1:44:B:LEU:HA	11	0.11
(1,3318)	1:71:B:THR:HG22	1:44:B:LEU:HA	11	0.11
(1,3318)	1:71:B:THR:HG23	1:44:B:LEU:HA	11	0.11
(1,3288)	1:97:A:ARG:H	1:98:A:ARG:HD3	12	0.11
(1,3287)	1:97:B:ARG:H	1:98:B:ARG:HD3	12	0.11
(1,3274)	1:48:A:MET:HA	1:51:A:VAL:H	16	0.11
(1,3273)	1:48:B:MET:HA	1:51:B:VAL:H	16	0.11
(1,3270)	1:44:A:LEU:H	1:47:A:PHE:HB2	2	0.11
(1,3269)	1:44:B:LEU:H	1:47:B:PHE:HB2	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3248)	1:26:A:VAL:HG21	1:27:A:GLN:HG3	6	0.11
(1,3248)	1:26:A:VAL:HG22	1:27:A:GLN:HG3	6	0.11
(1,3248)	1:26:A:VAL:HG23	1:27:A:GLN:HG3	6	0.11
(1,3161)	1:43:A:PRO:HD2	1:46:A:LEU:HD11	18	0.11
(1,3161)	1:43:A:PRO:HD2	1:46:A:LEU:HD12	18	0.11
(1,3161)	1:43:A:PRO:HD2	1:46:A:LEU:HD13	18	0.11
(1,3160)	1:43:B:PRO:HD2	1:46:B:LEU:HD11	18	0.11
(1,3160)	1:43:B:PRO:HD2	1:46:B:LEU:HD12	18	0.11
(1,3160)	1:43:B:PRO:HD2	1:46:B:LEU:HD13	18	0.11
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD11	9	0.11
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD12	9	0.11
(1,3128)	1:81:A:LEU:HB2	1:78:A:ILE:HD13	9	0.11
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD11	9	0.11
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD12	9	0.11
(1,3127)	1:81:B:LEU:HB2	1:78:B:ILE:HD13	9	0.11
(1,3102)	1:65:A:ILE:HB	1:25:A:THR:HB	17	0.11
(1,3101)	1:65:B:ILE:HB	1:25:B:THR:HB	17	0.11
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD11	13	0.11
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD12	13	0.11
(1,3021)	1:53:B:PHE:HD1	1:50:A:LEU:HD13	13	0.11
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD11	13	0.11
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD12	13	0.11
(1,3021)	1:53:B:PHE:HD2	1:50:A:LEU:HD13	13	0.11
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD11	13	0.11
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD12	13	0.11
(1,3020)	1:53:A:PHE:HD1	1:50:B:LEU:HD13	13	0.11
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD11	13	0.11
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD12	13	0.11
(1,3020)	1:53:A:PHE:HD2	1:50:B:LEU:HD13	13	0.11
(1,2998)	1:78:B:ILE:HG21	1:79:B:ASN:HA	4	0.11
(1,2998)	1:78:B:ILE:HG22	1:79:B:ASN:HA	4	0.11
(1,2998)	1:78:B:ILE:HG23	1:79:B:ASN:HA	4	0.11
(1,2997)	1:44:B:LEU:HD21	1:71:B:THR:HA	2	0.11
(1,2997)	1:44:B:LEU:HD22	1:71:B:THR:HA	2	0.11
(1,2997)	1:44:B:LEU:HD23	1:71:B:THR:HA	2	0.11
(1,2975)	1:98:B:ARG:HD3	1:98:B:ARG:HB3	12	0.11
(1,2974)	1:98:A:ARG:HD3	1:98:A:ARG:HB3	12	0.11
(1,2964)	1:78:B:ILE:HA	1:82:B:ARG:H	8	0.11
(1,2954)	1:38:B:LEU:HD11	1:36:B:GLY:HA3	8	0.11
(1,2954)	1:38:B:LEU:HD12	1:36:B:GLY:HA3	8	0.11
(1,2954)	1:38:B:LEU:HD13	1:36:B:GLY:HA3	8	0.11
(1,2951)	1:80:A:VAL:HA	1:79:A:ASN:HB3	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2949)	1:51:A:VAL:HA	1:54:A:LEU:H	7	0.11
(1,2948)	1:51:B:VAL:HA	1:54:B:LEU:H	7	0.11
(1,2943)	1:71:A:THR:H	1:44:A:LEU:HD11	1	0.11
(1,2943)	1:71:A:THR:H	1:44:A:LEU:HD12	1	0.11
(1,2943)	1:71:A:THR:H	1:44:A:LEU:HD13	1	0.11
(1,2942)	1:71:B:THR:H	1:44:B:LEU:HD11	1	0.11
(1,2942)	1:71:B:THR:H	1:44:B:LEU:HD12	1	0.11
(1,2942)	1:71:B:THR:H	1:44:B:LEU:HD13	1	0.11
(1,2893)	1:87:A:GLU:HG2	1:87:A:GLU:H	11	0.11
(1,2893)	1:87:A:GLU:HG2	1:87:A:GLU:H	15	0.11
(1,2892)	1:87:B:GLU:HG2	1:87:B:GLU:H	15	0.11
(1,2889)	1:59:A:ILE:HD11	1:60:A:PRO:HD2	3	0.11
(1,2889)	1:59:A:ILE:HD12	1:60:A:PRO:HD2	3	0.11
(1,2889)	1:59:A:ILE:HD13	1:60:A:PRO:HD2	3	0.11
(1,2848)	1:89:B:GLY:H	1:86:B:LYS:HA	5	0.11
(1,2848)	1:89:B:GLY:H	1:86:B:LYS:HA	9	0.11
(1,2847)	1:89:A:GLY:H	1:86:A:LYS:HA	5	0.11
(1,2847)	1:89:A:GLY:H	1:86:A:LYS:HA	13	0.11
(1,2798)	1:66:B:LEU:H	1:66:B:LEU:HD21	14	0.11
(1,2798)	1:66:B:LEU:H	1:66:B:LEU:HD22	14	0.11
(1,2798)	1:66:B:LEU:H	1:66:B:LEU:HD23	14	0.11
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD11	15	0.11
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD12	15	0.11
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD13	15	0.11
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD11	19	0.11
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD12	19	0.11
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD13	19	0.11
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD1	3	0.11
(1,2716)	1:50:B:LEU:H	1:53:B:PHE:HD2	3	0.11
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD1	3	0.11
(1,2715)	1:50:A:LEU:H	1:53:A:PHE:HD2	3	0.11
(1,2670)	1:80:A:VAL:HG21	1:45:A:LYS:HG2	20	0.11
(1,2670)	1:80:A:VAL:HG22	1:45:A:LYS:HG2	20	0.11
(1,2670)	1:80:A:VAL:HG23	1:45:A:LYS:HG2	20	0.11
(1,2635)	1:27:B:GLN:HA	1:24:B:SER:H	4	0.11
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD11	11	0.11
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD12	11	0.11
(1,2605)	1:88:B:ILE:HA	1:81:A:LEU:HD13	11	0.11
(1,2588)	1:88:A:ILE:HG21	1:85:A:ARG:HD2	6	0.11
(1,2588)	1:88:A:ILE:HG22	1:85:A:ARG:HD2	6	0.11
(1,2588)	1:88:A:ILE:HG23	1:85:A:ARG:HD2	6	0.11
(1,2587)	1:88:B:ILE:HG21	1:85:B:ARG:HD2	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2587)	1:88:B:ILE:HG22	1:85:B:ARG:HD2	6	0.11
(1,2587)	1:88:B:ILE:HG23	1:85:B:ARG:HD2	6	0.11
(1,2501)	1:100:B:ARG:H	1:99:B:ARG:HA	12	0.11
(1,2439)	1:86:B:LYS:HA	1:86:B:LYS:HG3	12	0.11
(1,2438)	1:86:A:LYS:HA	1:86:A:LYS:HG3	12	0.11
(1,2421)	1:45:B:LYS:HE2	1:56:A:PHE:HA	18	0.11
(1,2417)	1:62:B:THR:H	1:63:B:ALA:HA	11	0.11
(1,2417)	1:62:B:THR:H	1:63:B:ALA:HA	20	0.11
(1,2416)	1:62:A:THR:H	1:63:A:ALA:HA	11	0.11
(1,2416)	1:62:A:THR:H	1:63:A:ALA:HA	20	0.11
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG11	4	0.11
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG12	4	0.11
(1,2399)	1:63:B:ALA:HA	1:23:B:VAL:HG13	4	0.11
(1,2397)	1:90:A:ARG:H	1:90:A:ARG:HD3	2	0.11
(1,2396)	1:90:B:ARG:H	1:90:B:ARG:HD3	2	0.11
(1,2355)	1:27:B:GLN:HA	1:29:B:LEU:H	14	0.11
(1,2354)	1:27:A:GLN:HA	1:29:A:LEU:H	12	0.11
(1,2354)	1:27:A:GLN:HA	1:29:A:LEU:H	14	0.11
(1,2324)	1:78:A:ILE:HA	1:92:B:LEU:HA	10	0.11
(1,2291)	1:23:B:VAL:HG21	1:23:B:VAL:H	1	0.11
(1,2291)	1:23:B:VAL:HG22	1:23:B:VAL:H	1	0.11
(1,2291)	1:23:B:VAL:HG23	1:23:B:VAL:H	1	0.11
(1,2291)	1:23:B:VAL:HG21	1:23:B:VAL:H	11	0.11
(1,2291)	1:23:B:VAL:HG22	1:23:B:VAL:H	11	0.11
(1,2291)	1:23:B:VAL:HG23	1:23:B:VAL:H	11	0.11
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD11	3	0.11
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD12	3	0.11
(1,2265)	1:41:B:ARG:H	1:38:B:LEU:HD13	3	0.11
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD11	3	0.11
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD12	3	0.11
(1,2264)	1:41:A:ARG:H	1:38:A:LEU:HD13	3	0.11
(1,2235)	1:67:B:LYS:HB3	1:67:B:LYS:HA	3	0.11
(1,2235)	1:67:B:LYS:HB3	1:67:B:LYS:HA	15	0.11
(1,2234)	1:67:A:LYS:HB3	1:67:A:LYS:HA	3	0.11
(1,2234)	1:67:A:LYS:HB3	1:67:A:LYS:HA	15	0.11
(1,2229)	1:43:B:PRO:HB2	1:44:B:LEU:H	7	0.11
(1,2228)	1:43:A:PRO:HB2	1:44:A:LEU:H	7	0.11
(1,2153)	1:42:A:GLY:HA2	1:43:A:PRO:HD2	8	0.11
(1,2152)	1:42:B:GLY:HA2	1:43:B:PRO:HD2	8	0.11
(1,2092)	1:45:A:LYS:HE3	1:45:A:LYS:HB3	4	0.11
(1,2091)	1:45:B:LYS:HE3	1:45:B:LYS:HB3	4	0.11
(1,2085)	1:92:B:LEU:HG	1:93:B:ASN:H	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2069)	1:68:A:ARG:H	1:68:A:ARG:HB2	14	0.11
(1,2064)	1:68:A:ARG:H	1:67:A:LYS:HB2	17	0.11
(1,2059)	1:57:B:LEU:HD21	1:46:A:LEU:H	14	0.11
(1,2059)	1:57:B:LEU:HD22	1:46:A:LEU:H	14	0.11
(1,2059)	1:57:B:LEU:HD23	1:46:A:LEU:H	14	0.11
(1,2037)	1:65:B:ILE:HG12	1:65:B:ILE:H	10	0.11
(1,2036)	1:65:A:ILE:HG12	1:65:A:ILE:H	10	0.11
(1,2015)	1:62:B:THR:H	1:61:B:PRO:HA	6	0.11
(1,2011)	1:95:A:LEU:HD11	1:94:A:ILE:HD11	11	0.11
(1,2011)	1:95:A:LEU:HD11	1:94:A:ILE:HD12	11	0.11
(1,2011)	1:95:A:LEU:HD11	1:94:A:ILE:HD13	11	0.11
(1,2011)	1:95:A:LEU:HD12	1:94:A:ILE:HD11	11	0.11
(1,2011)	1:95:A:LEU:HD12	1:94:A:ILE:HD12	11	0.11
(1,2011)	1:95:A:LEU:HD12	1:94:A:ILE:HD13	11	0.11
(1,2011)	1:95:A:LEU:HD13	1:94:A:ILE:HD11	11	0.11
(1,2011)	1:95:A:LEU:HD13	1:94:A:ILE:HD12	11	0.11
(1,2011)	1:95:A:LEU:HD13	1:94:A:ILE:HD13	11	0.11
(1,2001)	1:23:B:VAL:HB	1:24:B:SER:H	13	0.11
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD21	19	0.11
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD22	19	0.11
(1,1997)	1:81:B:LEU:H	1:81:B:LEU:HD23	19	0.11
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD21	19	0.11
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD22	19	0.11
(1,1996)	1:81:A:LEU:H	1:81:A:LEU:HD23	19	0.11
(1,1965)	1:29:A:LEU:HD21	1:50:A:LEU:HD21	15	0.11
(1,1965)	1:29:A:LEU:HD21	1:50:A:LEU:HD22	15	0.11
(1,1965)	1:29:A:LEU:HD21	1:50:A:LEU:HD23	15	0.11
(1,1965)	1:29:A:LEU:HD22	1:50:A:LEU:HD21	15	0.11
(1,1965)	1:29:A:LEU:HD22	1:50:A:LEU:HD22	15	0.11
(1,1965)	1:29:A:LEU:HD22	1:50:A:LEU:HD23	15	0.11
(1,1965)	1:29:A:LEU:HD23	1:50:A:LEU:HD21	15	0.11
(1,1965)	1:29:A:LEU:HD23	1:50:A:LEU:HD22	15	0.11
(1,1965)	1:29:A:LEU:HD23	1:50:A:LEU:HD23	15	0.11
(1,1964)	1:29:B:LEU:HD21	1:50:B:LEU:HD21	15	0.11
(1,1964)	1:29:B:LEU:HD21	1:50:B:LEU:HD22	15	0.11
(1,1964)	1:29:B:LEU:HD21	1:50:B:LEU:HD23	15	0.11
(1,1964)	1:29:B:LEU:HD22	1:50:B:LEU:HD21	15	0.11
(1,1964)	1:29:B:LEU:HD22	1:50:B:LEU:HD22	15	0.11
(1,1964)	1:29:B:LEU:HD22	1:50:B:LEU:HD23	15	0.11
(1,1964)	1:29:B:LEU:HD23	1:50:B:LEU:HD21	15	0.11
(1,1964)	1:29:B:LEU:HD23	1:50:B:LEU:HD22	15	0.11
(1,1964)	1:29:B:LEU:HD23	1:50:B:LEU:HD23	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1949)	1:92:A:LEU:HA	1:95:A:LEU:H	9	0.11
(1,1948)	1:92:B:LEU:HA	1:95:B:LEU:H	9	0.11
(1,1935)	1:56:B:PHE:HD1	1:84:A:PHE:HD1	7	0.11
(1,1935)	1:56:B:PHE:HD1	1:84:A:PHE:HD2	7	0.11
(1,1935)	1:56:B:PHE:HD2	1:84:A:PHE:HD1	7	0.11
(1,1935)	1:56:B:PHE:HD2	1:84:A:PHE:HD2	7	0.11
(1,1934)	1:56:A:PHE:HD1	1:84:B:PHE:HD1	7	0.11
(1,1934)	1:56:A:PHE:HD1	1:84:B:PHE:HD2	7	0.11
(1,1934)	1:56:A:PHE:HD2	1:84:B:PHE:HD1	7	0.11
(1,1934)	1:56:A:PHE:HD2	1:84:B:PHE:HD2	7	0.11
(1,1920)	1:57:A:LEU:H	1:58:A:THR:H	11	0.11
(1,1910)	1:87:B:GLU:HB3	1:90:B:ARG:H	1	0.11
(1,1908)	1:23:A:VAL:HB	1:23:A:VAL:H	6	0.11
(1,1907)	1:23:B:VAL:HB	1:23:B:VAL:H	6	0.11
(1,1874)	1:58:A:THR:HA	1:59:A:ILE:H	4	0.11
(1,1874)	1:58:A:THR:HA	1:59:A:ILE:H	12	0.11
(1,1874)	1:58:A:THR:HA	1:59:A:ILE:H	15	0.11
(1,1874)	1:58:A:THR:HA	1:59:A:ILE:H	16	0.11
(1,1873)	1:58:B:THR:HA	1:59:B:ILE:H	4	0.11
(1,1873)	1:58:B:THR:HA	1:59:B:ILE:H	12	0.11
(1,1873)	1:58:B:THR:HA	1:59:B:ILE:H	15	0.11
(1,1867)	1:94:A:ILE:HG21	1:91:A:MET:HA	9	0.11
(1,1867)	1:94:A:ILE:HG22	1:91:A:MET:HA	9	0.11
(1,1867)	1:94:A:ILE:HG23	1:91:A:MET:HA	9	0.11
(1,1867)	1:94:A:ILE:HG21	1:91:A:MET:HA	17	0.11
(1,1867)	1:94:A:ILE:HG22	1:91:A:MET:HA	17	0.11
(1,1867)	1:94:A:ILE:HG23	1:91:A:MET:HA	17	0.11
(1,1866)	1:94:B:ILE:HG21	1:91:B:MET:HA	9	0.11
(1,1866)	1:94:B:ILE:HG22	1:91:B:MET:HA	9	0.11
(1,1866)	1:94:B:ILE:HG23	1:91:B:MET:HA	9	0.11
(1,1866)	1:94:B:ILE:HG21	1:91:B:MET:HA	17	0.11
(1,1866)	1:94:B:ILE:HG22	1:91:B:MET:HA	17	0.11
(1,1866)	1:94:B:ILE:HG23	1:91:B:MET:HA	17	0.11
(1,1849)	1:97:B:ARG:HA	1:97:B:ARG:HB3	10	0.11
(1,1849)	1:97:B:ARG:HA	1:97:B:ARG:HB3	20	0.11
(1,1848)	1:97:A:ARG:HA	1:97:A:ARG:HB3	10	0.11
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD21	8	0.11
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD22	8	0.11
(1,1841)	1:72:A:ILE:HB	1:44:A:LEU:HD23	8	0.11
(1,1792)	1:86:A:LYS:HB2	1:87:A:GLU:H	20	0.11
(1,1787)	1:86:A:LYS:HG3	1:86:A:LYS:H	3	0.11
(1,1787)	1:86:A:LYS:HG3	1:86:A:LYS:H	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1787)	1:86:A:LYS:HG3	1:86:A:LYS:H	18	0.11
(1,1786)	1:86:B:LYS:HG3	1:86:B:LYS:H	4	0.11
(1,1786)	1:86:B:LYS:HG3	1:86:B:LYS:H	18	0.11
(1,1781)	1:44:B:LEU:HA	1:47:B:PHE:HB2	18	0.11
(1,1740)	1:82:B:ARG:HA	1:85:B:ARG:H	18	0.11
(1,1739)	1:82:A:ARG:HA	1:85:A:ARG:H	11	0.11
(1,1739)	1:82:A:ARG:HA	1:85:A:ARG:H	18	0.11
(1,1711)	1:82:B:ARG:HA	1:85:B:ARG:HD3	15	0.11
(1,1711)	1:82:B:ARG:HA	1:85:B:ARG:HD3	19	0.11
(1,1710)	1:82:A:ARG:HA	1:85:A:ARG:HD3	10	0.11
(1,1710)	1:82:A:ARG:HA	1:85:A:ARG:HD3	15	0.11
(1,1702)	1:84:A:PHE:HA	1:87:A:GLU:H	20	0.11
(1,1701)	1:84:B:PHE:HA	1:87:B:GLU:H	20	0.11
(1,1668)	1:78:A:ILE:HG21	1:92:B:LEU:HA	6	0.11
(1,1668)	1:78:A:ILE:HG22	1:92:B:LEU:HA	6	0.11
(1,1668)	1:78:A:ILE:HG23	1:92:B:LEU:HA	6	0.11
(1,1666)	1:95:A:LEU:HG	1:92:A:LEU:HA	17	0.11
(1,1665)	1:95:B:LEU:HG	1:92:B:LEU:HA	3	0.11
(1,1665)	1:95:B:LEU:HG	1:92:B:LEU:HA	17	0.11
(1,1661)	1:82:B:ARG:HA	1:83:B:GLY:H	1	0.11
(1,1661)	1:82:B:ARG:HA	1:83:B:GLY:H	2	0.11
(1,1661)	1:82:B:ARG:HA	1:83:B:GLY:H	3	0.11
(1,1661)	1:82:B:ARG:HA	1:83:B:GLY:H	6	0.11
(1,1661)	1:82:B:ARG:HA	1:83:B:GLY:H	7	0.11
(1,1661)	1:82:B:ARG:HA	1:83:B:GLY:H	12	0.11
(1,1661)	1:82:B:ARG:HA	1:83:B:GLY:H	13	0.11
(1,1661)	1:82:B:ARG:HA	1:83:B:GLY:H	14	0.11
(1,1661)	1:82:B:ARG:HA	1:83:B:GLY:H	15	0.11
(1,1661)	1:82:B:ARG:HA	1:83:B:GLY:H	17	0.11
(1,1661)	1:82:B:ARG:HA	1:83:B:GLY:H	18	0.11
(1,1661)	1:82:B:ARG:HA	1:83:B:GLY:H	19	0.11
(1,1660)	1:82:A:ARG:HA	1:83:A:GLY:H	2	0.11
(1,1660)	1:82:A:ARG:HA	1:83:A:GLY:H	3	0.11
(1,1660)	1:82:A:ARG:HA	1:83:A:GLY:H	4	0.11
(1,1660)	1:82:A:ARG:HA	1:83:A:GLY:H	6	0.11
(1,1660)	1:82:A:ARG:HA	1:83:A:GLY:H	10	0.11
(1,1660)	1:82:A:ARG:HA	1:83:A:GLY:H	12	0.11
(1,1660)	1:82:A:ARG:HA	1:83:A:GLY:H	13	0.11
(1,1660)	1:82:A:ARG:HA	1:83:A:GLY:H	14	0.11
(1,1660)	1:82:A:ARG:HA	1:83:A:GLY:H	15	0.11
(1,1660)	1:82:A:ARG:HA	1:83:A:GLY:H	17	0.11
(1,1660)	1:82:A:ARG:HA	1:83:A:GLY:H	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1632)	1:52:A:ALA:H	1:48:A:MET:HA	7	0.11
(1,1631)	1:52:B:ALA:H	1:48:B:MET:HA	7	0.11
(1,1631)	1:52:B:ALA:H	1:48:B:MET:HA	8	0.11
(1,1613)	1:51:B:VAL:HG11	1:47:B:PHE:HD1	8	0.11
(1,1613)	1:51:B:VAL:HG11	1:47:B:PHE:HD2	8	0.11
(1,1613)	1:51:B:VAL:HG12	1:47:B:PHE:HD1	8	0.11
(1,1613)	1:51:B:VAL:HG12	1:47:B:PHE:HD2	8	0.11
(1,1613)	1:51:B:VAL:HG13	1:47:B:PHE:HD1	8	0.11
(1,1613)	1:51:B:VAL:HG13	1:47:B:PHE:HD2	8	0.11
(1,1612)	1:51:A:VAL:HG11	1:47:A:PHE:HD1	8	0.11
(1,1612)	1:51:A:VAL:HG11	1:47:A:PHE:HD2	8	0.11
(1,1612)	1:51:A:VAL:HG12	1:47:A:PHE:HD1	8	0.11
(1,1612)	1:51:A:VAL:HG12	1:47:A:PHE:HD2	8	0.11
(1,1612)	1:51:A:VAL:HG13	1:47:A:PHE:HD1	8	0.11
(1,1612)	1:51:A:VAL:HG13	1:47:A:PHE:HD2	8	0.11
(1,1601)	1:96:A:ASN:HA	1:96:A:ASN:HD21	3	0.11
(1,1600)	1:96:B:ASN:HA	1:96:B:ASN:HD21	20	0.11
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD21	10	0.11
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD22	10	0.11
(1,1583)	1:48:A:MET:H	1:44:A:LEU:HD23	10	0.11
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD21	10	0.11
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD22	10	0.11
(1,1582)	1:48:B:MET:H	1:44:B:LEU:HD23	10	0.11
(1,1510)	1:94:B:ILE:HG21	1:95:B:LEU:HD11	8	0.11
(1,1510)	1:94:B:ILE:HG21	1:95:B:LEU:HD12	8	0.11
(1,1510)	1:94:B:ILE:HG21	1:95:B:LEU:HD13	8	0.11
(1,1510)	1:94:B:ILE:HG22	1:95:B:LEU:HD11	8	0.11
(1,1510)	1:94:B:ILE:HG22	1:95:B:LEU:HD12	8	0.11
(1,1510)	1:94:B:ILE:HG22	1:95:B:LEU:HD13	8	0.11
(1,1510)	1:94:B:ILE:HG23	1:95:B:LEU:HD11	8	0.11
(1,1510)	1:94:B:ILE:HG23	1:95:B:LEU:HD12	8	0.11
(1,1510)	1:94:B:ILE:HG23	1:95:B:LEU:HD13	8	0.11
(1,1459)	1:60:A:PRO:HA	1:60:A:PRO:HD3	19	0.11
(1,1448)	1:91:B:MET:HA	1:94:B:ILE:H	3	0.11
(1,1448)	1:91:B:MET:HA	1:94:B:ILE:H	7	0.11
(1,1447)	1:91:A:MET:HA	1:94:A:ILE:H	7	0.11
(1,1441)	1:97:A:ARG:HA	1:98:A:ARG:H	9	0.11
(1,1435)	1:57:B:LEU:HD11	1:57:B:LEU:H	11	0.11
(1,1435)	1:57:B:LEU:HD12	1:57:B:LEU:H	11	0.11
(1,1435)	1:57:B:LEU:HD13	1:57:B:LEU:H	11	0.11
(1,1388)	1:62:B:THR:HA	1:23:B:VAL:HG21	5	0.11
(1,1388)	1:62:B:THR:HA	1:23:B:VAL:HG22	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:62:B:THR:HA	1:23:B:VAL:HG23	5	0.11
(1,1380)	1:62:B:THR:HB	1:63:B:ALA:HB1	9	0.11
(1,1380)	1:62:B:THR:HB	1:63:B:ALA:HB2	9	0.11
(1,1380)	1:62:B:THR:HB	1:63:B:ALA:HB3	9	0.11
(1,1350)	1:28:A:GLN:HA	1:31:A:LYS:H	13	0.11
(1,1332)	1:45:A:LYS:HG2	1:45:A:LYS:H	6	0.11
(1,1332)	1:45:A:LYS:HG2	1:45:A:LYS:H	14	0.11
(1,1324)	1:88:B:ILE:HG21	1:90:B:ARG:H	2	0.11
(1,1324)	1:88:B:ILE:HG22	1:90:B:ARG:H	2	0.11
(1,1324)	1:88:B:ILE:HG23	1:90:B:ARG:H	2	0.11
(1,1311)	1:95:A:LEU:HD11	1:69:B:TRP:HH2	8	0.11
(1,1311)	1:95:A:LEU:HD12	1:69:B:TRP:HH2	8	0.11
(1,1311)	1:95:A:LEU:HD13	1:69:B:TRP:HH2	8	0.11
(1,1265)	1:22:A:ARG:HG2	1:22:A:ARG:HA	9	0.11
(1,1245)	1:62:A:THR:HB	1:64:A:GLY:H	15	0.11
(1,1234)	1:46:B:LEU:H	1:43:B:PRO:HB3	16	0.11
(1,1216)	1:23:B:VAL:HG21	1:23:B:VAL:H	1	0.11
(1,1216)	1:23:B:VAL:HG22	1:23:B:VAL:H	1	0.11
(1,1216)	1:23:B:VAL:HG23	1:23:B:VAL:H	1	0.11
(1,1216)	1:23:B:VAL:HG21	1:23:B:VAL:H	11	0.11
(1,1216)	1:23:B:VAL:HG22	1:23:B:VAL:H	11	0.11
(1,1216)	1:23:B:VAL:HG23	1:23:B:VAL:H	11	0.11
(1,1210)	1:92:A:LEU:HG	1:91:A:MET:HB2	13	0.11
(1,1207)	1:72:B:ILE:HG13	1:72:B:ILE:HB	3	0.11
(1,1194)	1:42:B:GLY:HA2	1:43:B:PRO:HG3	9	0.11
(1,1175)	1:94:A:ILE:HA	1:97:A:ARG:H	11	0.11
(1,1174)	1:94:B:ILE:HA	1:97:B:ARG:H	10	0.11
(1,1174)	1:94:B:ILE:HA	1:97:B:ARG:H	11	0.11
(1,1169)	1:30:A:THR:HG21	1:31:A:LYS:H	15	0.11
(1,1169)	1:30:A:THR:HG22	1:31:A:LYS:H	15	0.11
(1,1169)	1:30:A:THR:HG23	1:31:A:LYS:H	15	0.11
(1,1147)	1:25:B:THR:HG21	1:24:B:SER:HA	4	0.11
(1,1147)	1:25:B:THR:HG22	1:24:B:SER:HA	4	0.11
(1,1147)	1:25:B:THR:HG23	1:24:B:SER:HA	4	0.11
(1,1147)	1:25:B:THR:HG21	1:24:B:SER:HA	15	0.11
(1,1147)	1:25:B:THR:HG22	1:24:B:SER:HA	15	0.11
(1,1147)	1:25:B:THR:HG23	1:24:B:SER:HA	15	0.11
(1,1146)	1:25:A:THR:HG21	1:24:A:SER:HA	15	0.11
(1,1146)	1:25:A:THR:HG22	1:24:A:SER:HA	15	0.11
(1,1146)	1:25:A:THR:HG23	1:24:A:SER:HA	15	0.11
(1,1135)	1:49:A:ALA:HA	1:84:A:PHE:HD1	12	0.11
(1,1135)	1:49:A:ALA:HA	1:84:A:PHE:HD2	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1134)	1:49:B:ALA:HA	1:84:B:PHE:HD1	12	0.11
(1,1134)	1:49:B:ALA:HA	1:84:B:PHE:HD2	12	0.11
(1,1131)	1:50:B:LEU:HD11	1:50:B:LEU:HA	16	0.11
(1,1131)	1:50:B:LEU:HD12	1:50:B:LEU:HA	16	0.11
(1,1131)	1:50:B:LEU:HD13	1:50:B:LEU:HA	16	0.11
(1,1130)	1:50:A:LEU:HD11	1:50:A:LEU:HA	16	0.11
(1,1130)	1:50:A:LEU:HD12	1:50:A:LEU:HA	16	0.11
(1,1130)	1:50:A:LEU:HD13	1:50:A:LEU:HA	16	0.11
(1,1106)	1:96:A:ASN:HA	1:97:A:ARG:H	2	0.11
(1,1088)	1:80:A:VAL:HG21	1:81:A:LEU:H	1	0.11
(1,1088)	1:80:A:VAL:HG22	1:81:A:LEU:H	1	0.11
(1,1088)	1:80:A:VAL:HG23	1:81:A:LEU:H	1	0.11
(1,1088)	1:80:A:VAL:HG21	1:81:A:LEU:H	4	0.11
(1,1088)	1:80:A:VAL:HG22	1:81:A:LEU:H	4	0.11
(1,1088)	1:80:A:VAL:HG23	1:81:A:LEU:H	4	0.11
(1,1086)	1:77:B:ALA:H	1:76:B:LYS:HD2	11	0.11
(1,1051)	1:70:B:GLY:H	1:69:B:TRP:HE3	13	0.11
(1,1047)	1:94:A:ILE:HG13	1:93:A:ASN:H	4	0.11
(1,1046)	1:94:B:ILE:HG13	1:93:B:ASN:H	4	0.11
(1,1043)	1:92:A:LEU:HG	1:92:A:LEU:H	9	0.11
(1,1042)	1:92:B:LEU:HG	1:92:B:LEU:H	9	0.11
(1,1014)	1:73:A:LYS:H	1:73:A:LYS:HA	8	0.11
(1,1014)	1:73:A:LYS:H	1:73:A:LYS:HA	9	0.11
(1,1013)	1:73:B:LYS:H	1:73:B:LYS:HA	8	0.11
(1,1013)	1:73:B:LYS:H	1:73:B:LYS:HA	9	0.11
(1,1013)	1:73:B:LYS:H	1:73:B:LYS:HA	17	0.11
(1,1001)	1:27:B:GLN:HB2	1:25:B:THR:H	17	0.11
(1,985)	1:23:B:VAL:HG11	1:24:B:SER:H	5	0.11
(1,985)	1:23:B:VAL:HG12	1:24:B:SER:H	5	0.11
(1,985)	1:23:B:VAL:HG13	1:24:B:SER:H	5	0.11
(1,985)	1:23:B:VAL:HG11	1:24:B:SER:H	9	0.11
(1,985)	1:23:B:VAL:HG12	1:24:B:SER:H	9	0.11
(1,985)	1:23:B:VAL:HG13	1:24:B:SER:H	9	0.11
(1,981)	1:56:B:PHE:H	1:55:B:ARG:HA	16	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG21	3	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG22	3	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG23	3	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG21	4	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG22	4	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG23	4	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG21	7	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG22	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG23	7	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG21	11	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG22	11	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG23	11	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG21	12	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG22	12	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG23	12	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG21	13	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG22	13	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG23	13	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG21	14	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG22	14	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG23	14	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG21	15	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG22	15	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG23	15	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG21	16	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG22	16	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG23	16	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG21	18	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG22	18	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG23	18	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG21	19	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG22	19	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG23	19	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG21	20	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG22	20	0.11
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG23	20	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG21	3	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG22	3	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG23	3	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG21	4	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG22	4	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG23	4	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG21	11	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG22	11	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG23	11	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG21	12	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG22	12	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG23	12	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG21	13	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG22	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG23	13	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG21	14	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG22	14	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG23	14	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG21	15	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG22	15	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG23	15	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG21	16	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG22	16	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG23	16	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG21	18	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG22	18	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG23	18	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG21	19	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG22	19	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG23	19	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG21	20	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG22	20	0.11
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG23	20	0.11
(1,952)	1:97:A:ARG:HA	1:97:A:ARG:H	2	0.11
(1,952)	1:97:A:ARG:HA	1:97:A:ARG:H	13	0.11
(1,951)	1:97:B:ARG:HA	1:97:B:ARG:H	2	0.11
(1,951)	1:97:B:ARG:HA	1:97:B:ARG:H	13	0.11
(1,939)	1:87:A:GLU:HA	1:90:A:ARG:HD2	9	0.11
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD11	11	0.11
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD12	11	0.11
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD13	11	0.11
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD11	15	0.11
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD12	15	0.11
(1,929)	1:62:B:THR:H	1:65:B:ILE:HD13	15	0.11
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD11	11	0.11
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD12	11	0.11
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD13	11	0.11
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD11	15	0.11
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD12	15	0.11
(1,928)	1:62:A:THR:H	1:65:A:ILE:HD13	15	0.11
(1,925)	1:82:B:ARG:HA	1:86:B:LYS:H	1	0.11
(1,925)	1:82:B:ARG:HA	1:86:B:LYS:H	6	0.11
(1,925)	1:82:B:ARG:HA	1:86:B:LYS:H	14	0.11
(1,925)	1:82:B:ARG:HA	1:86:B:LYS:H	15	0.11
(1,924)	1:82:A:ARG:HA	1:86:A:LYS:H	1	0.11
(1,924)	1:82:A:ARG:HA	1:86:A:LYS:H	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,924)	1:82:A:ARG:HA	1:86:A:LYS:H	14	0.11
(1,924)	1:82:A:ARG:HA	1:86:A:LYS:H	19	0.11
(1,825)	1:63:A:ALA:HA	1:63:A:ALA:H	6	0.11
(1,823)	1:63:A:ALA:HA	1:67:A:LYS:HD2	14	0.11
(1,820)	1:100:B:ARG:H	1:100:B:ARG:HA	1	0.11
(1,820)	1:100:B:ARG:H	1:100:B:ARG:HA	5	0.11
(1,820)	1:100:B:ARG:H	1:100:B:ARG:HA	7	0.11
(1,820)	1:100:B:ARG:H	1:100:B:ARG:HA	9	0.11
(1,820)	1:100:B:ARG:H	1:100:B:ARG:HA	12	0.11
(1,819)	1:100:A:ARG:H	1:100:A:ARG:HA	1	0.11
(1,819)	1:100:A:ARG:H	1:100:A:ARG:HA	5	0.11
(1,819)	1:100:A:ARG:H	1:100:A:ARG:HA	7	0.11
(1,819)	1:100:A:ARG:H	1:100:A:ARG:HA	9	0.11
(1,819)	1:100:A:ARG:H	1:100:A:ARG:HA	12	0.11
(1,788)	1:57:B:LEU:HD21	1:49:A:ALA:H	18	0.11
(1,788)	1:57:B:LEU:HD22	1:49:A:ALA:H	18	0.11
(1,788)	1:57:B:LEU:HD23	1:49:A:ALA:H	18	0.11
(1,786)	1:75:A:SER:H	1:74:A:LYS:HB2	7	0.11
(1,786)	1:75:A:SER:H	1:74:A:LYS:HB2	16	0.11
(1,785)	1:75:B:SER:H	1:74:B:LYS:HB2	7	0.11
(1,785)	1:75:B:SER:H	1:74:B:LYS:HB2	12	0.11
(1,785)	1:75:B:SER:H	1:74:B:LYS:HB2	16	0.11
(1,776)	1:88:A:ILE:H	1:89:A:GLY:HA2	7	0.11
(1,776)	1:88:A:ILE:H	1:89:A:GLY:HA2	11	0.11
(1,776)	1:88:A:ILE:H	1:89:A:GLY:HA2	17	0.11
(1,693)	1:54:B:LEU:HA	1:58:B:THR:H	2	0.11
(1,674)	1:62:B:THR:HG21	1:26:B:VAL:HA	6	0.11
(1,674)	1:62:B:THR:HG22	1:26:B:VAL:HA	6	0.11
(1,674)	1:62:B:THR:HG23	1:26:B:VAL:HA	6	0.11
(1,611)	1:61:B:PRO:HB2	1:66:B:LEU:HD21	10	0.11
(1,611)	1:61:B:PRO:HB2	1:66:B:LEU:HD22	10	0.11
(1,611)	1:61:B:PRO:HB2	1:66:B:LEU:HD23	10	0.11
(1,550)	1:25:B:THR:H	1:29:B:LEU:H	8	0.11
(1,541)	1:52:A:ALA:H	1:53:A:PHE:HB3	7	0.11
(1,528)	1:32:A:ARG:H	1:31:A:LYS:HA	2	0.11
(1,528)	1:32:A:ARG:H	1:31:A:LYS:HA	6	0.11
(1,528)	1:32:A:ARG:H	1:31:A:LYS:HA	8	0.11
(1,528)	1:32:A:ARG:H	1:31:A:LYS:HA	11	0.11
(1,528)	1:32:A:ARG:H	1:31:A:LYS:HA	15	0.11
(1,528)	1:32:A:ARG:H	1:31:A:LYS:HA	18	0.11
(1,528)	1:32:A:ARG:H	1:31:A:LYS:HA	19	0.11
(1,527)	1:32:B:ARG:H	1:31:B:LYS:HA	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:32:B:ARG:H	1:31:B:LYS:HA	6	0.11
(1,527)	1:32:B:ARG:H	1:31:B:LYS:HA	8	0.11
(1,527)	1:32:B:ARG:H	1:31:B:LYS:HA	11	0.11
(1,527)	1:32:B:ARG:H	1:31:B:LYS:HA	13	0.11
(1,527)	1:32:B:ARG:H	1:31:B:LYS:HA	15	0.11
(1,527)	1:32:B:ARG:H	1:31:B:LYS:HA	18	0.11
(1,527)	1:32:B:ARG:H	1:31:B:LYS:HA	19	0.11
(1,483)	1:84:B:PHE:HD1	1:87:B:GLU:H	2	0.11
(1,483)	1:84:B:PHE:HD2	1:87:B:GLU:H	2	0.11
(1,482)	1:84:A:PHE:HD1	1:87:A:GLU:H	2	0.11
(1,482)	1:84:A:PHE:HD2	1:87:A:GLU:H	2	0.11
(1,458)	1:26:B:VAL:HA	1:22:B:ARG:HG3	12	0.11
(1,457)	1:26:A:VAL:HA	1:22:A:ARG:HG2	16	0.11
(1,436)	1:57:B:LEU:HD11	1:49:A:ALA:HB1	8	0.11
(1,436)	1:57:B:LEU:HD11	1:49:A:ALA:HB2	8	0.11
(1,436)	1:57:B:LEU:HD11	1:49:A:ALA:HB3	8	0.11
(1,436)	1:57:B:LEU:HD12	1:49:A:ALA:HB1	8	0.11
(1,436)	1:57:B:LEU:HD12	1:49:A:ALA:HB2	8	0.11
(1,436)	1:57:B:LEU:HD12	1:49:A:ALA:HB3	8	0.11
(1,436)	1:57:B:LEU:HD13	1:49:A:ALA:HB1	8	0.11
(1,436)	1:57:B:LEU:HD13	1:49:A:ALA:HB2	8	0.11
(1,436)	1:57:B:LEU:HD13	1:49:A:ALA:HB3	8	0.11
(1,422)	1:69:B:TRP:H	1:68:B:ARG:HA	13	0.11
(1,413)	1:71:A:THR:H	1:71:A:THR:HA	7	0.11
(1,413)	1:71:A:THR:H	1:71:A:THR:HA	9	0.11
(1,413)	1:71:A:THR:H	1:71:A:THR:HA	10	0.11
(1,413)	1:71:A:THR:H	1:71:A:THR:HA	13	0.11
(1,413)	1:71:A:THR:H	1:71:A:THR:HA	14	0.11
(1,413)	1:71:A:THR:H	1:71:A:THR:HA	16	0.11
(1,413)	1:71:A:THR:H	1:71:A:THR:HA	17	0.11
(1,413)	1:71:A:THR:H	1:71:A:THR:HA	20	0.11
(1,412)	1:71:B:THR:H	1:71:B:THR:HA	7	0.11
(1,412)	1:71:B:THR:H	1:71:B:THR:HA	9	0.11
(1,412)	1:71:B:THR:H	1:71:B:THR:HA	10	0.11
(1,412)	1:71:B:THR:H	1:71:B:THR:HA	13	0.11
(1,412)	1:71:B:THR:H	1:71:B:THR:HA	14	0.11
(1,412)	1:71:B:THR:H	1:71:B:THR:HA	16	0.11
(1,412)	1:71:B:THR:H	1:71:B:THR:HA	17	0.11
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB1	2	0.11
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB2	2	0.11
(1,409)	1:46:B:LEU:H	1:49:B:ALA:HB3	2	0.11
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB1	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB2	2	0.11
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB3	2	0.11
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB1	20	0.11
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB2	20	0.11
(1,408)	1:46:A:LEU:H	1:49:A:ALA:HB3	20	0.11
(1,392)	1:27:B:GLN:HB2	1:26:B:VAL:HG11	12	0.11
(1,392)	1:27:B:GLN:HB2	1:26:B:VAL:HG12	12	0.11
(1,392)	1:27:B:GLN:HB2	1:26:B:VAL:HG13	12	0.11
(1,362)	1:76:B:LYS:HB3	1:76:B:LYS:H	16	0.11
(1,351)	1:65:B:ILE:HD11	1:65:B:ILE:H	11	0.11
(1,351)	1:65:B:ILE:HD12	1:65:B:ILE:H	11	0.11
(1,351)	1:65:B:ILE:HD13	1:65:B:ILE:H	11	0.11
(1,350)	1:65:A:ILE:HD11	1:65:A:ILE:H	11	0.11
(1,350)	1:65:A:ILE:HD12	1:65:A:ILE:H	11	0.11
(1,350)	1:65:A:ILE:HD13	1:65:A:ILE:H	11	0.11
(1,350)	1:65:A:ILE:HD11	1:65:A:ILE:H	15	0.11
(1,350)	1:65:A:ILE:HD12	1:65:A:ILE:H	15	0.11
(1,350)	1:65:A:ILE:HD13	1:65:A:ILE:H	15	0.11
(1,333)	1:62:A:THR:HG21	1:64:A:GLY:HA2	3	0.11
(1,333)	1:62:A:THR:HG22	1:64:A:GLY:HA2	3	0.11
(1,333)	1:62:A:THR:HG23	1:64:A:GLY:HA2	3	0.11
(1,332)	1:62:B:THR:HG21	1:64:B:GLY:HA2	3	0.11
(1,332)	1:62:B:THR:HG22	1:64:B:GLY:HA2	3	0.11
(1,332)	1:62:B:THR:HG23	1:64:B:GLY:HA2	3	0.11
(1,192)	1:77:B:ALA:HB1	1:75:B:SER:H	19	0.11
(1,192)	1:77:B:ALA:HB2	1:75:B:SER:H	19	0.11
(1,192)	1:77:B:ALA:HB3	1:75:B:SER:H	19	0.11
(1,165)	1:69:A:TRP:HH2	1:95:B:LEU:HG	17	0.11
(1,153)	1:95:A:LEU:HD21	1:72:B:ILE:HG12	12	0.11
(1,153)	1:95:A:LEU:HD22	1:72:B:ILE:HG12	12	0.11
(1,153)	1:95:A:LEU:HD23	1:72:B:ILE:HG12	12	0.11
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD21	11	0.11
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD22	11	0.11
(1,133)	1:77:A:ALA:HB1	1:81:A:LEU:HD23	11	0.11
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD21	11	0.11
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD22	11	0.11
(1,133)	1:77:A:ALA:HB2	1:81:A:LEU:HD23	11	0.11
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD21	11	0.11
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD22	11	0.11
(1,133)	1:77:A:ALA:HB3	1:81:A:LEU:HD23	11	0.11
(1,52)	1:91:B:MET:HG3	1:69:A:TRP:HH2	11	0.11
(2,349)	1:31:B:LYS:HG2	1:27:B:GLN:HG2	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,247)	1:72:A:ILE:HG13	1:72:A:ILE:HB	17	0.1
(2,187)	1:76:A:LYS:HB3	1:76:A:LYS:H	9	0.1
(2,187)	1:76:A:LYS:HB3	1:76:A:LYS:H	19	0.1
(2,63)	1:60:B:PRO:HA	1:60:B:PRO:HD3	4	0.1
(1,3413)	1:69:A:TRP:HE1	1:66:A:LEU:HA	6	0.1
(1,3410)	1:94:A:ILE:HA	1:97:A:ARG:HB2	18	0.1
(1,3409)	1:94:B:ILE:HA	1:97:B:ARG:HB2	18	0.1
(1,3363)	1:51:A:VAL:HG21	1:65:A:ILE:HG13	5	0.1
(1,3363)	1:51:A:VAL:HG22	1:65:A:ILE:HG13	5	0.1
(1,3363)	1:51:A:VAL:HG23	1:65:A:ILE:HG13	5	0.1
(1,3362)	1:51:B:VAL:HG21	1:65:B:ILE:HG13	5	0.1
(1,3362)	1:51:B:VAL:HG22	1:65:B:ILE:HG13	5	0.1
(1,3362)	1:51:B:VAL:HG23	1:65:B:ILE:HG13	5	0.1
(1,3358)	1:69:A:TRP:HZ2	1:91:B:MET:HA	18	0.1
(1,3337)	1:77:A:ALA:HB1	1:78:A:ILE:HB	14	0.1
(1,3337)	1:77:A:ALA:HB2	1:78:A:ILE:HB	14	0.1
(1,3337)	1:77:A:ALA:HB3	1:78:A:ILE:HB	14	0.1
(1,3309)	1:72:B:ILE:HG13	1:47:B:PHE:HB2	10	0.1
(1,3308)	1:72:A:ILE:HG13	1:47:A:PHE:HB2	10	0.1
(1,3269)	1:44:B:LEU:H	1:47:B:PHE:HB2	1	0.1
(1,3183)	1:48:A:MET:HG2	1:81:A:LEU:HG	12	0.1
(1,3171)	1:57:B:LEU:HD11	1:53:B:PHE:HB3	16	0.1
(1,3171)	1:57:B:LEU:HD12	1:53:B:PHE:HB3	16	0.1
(1,3171)	1:57:B:LEU:HD13	1:53:B:PHE:HB3	16	0.1
(1,3065)	1:69:B:TRP:HE3	1:51:B:VAL:HB	4	0.1
(1,3064)	1:69:A:TRP:HE3	1:51:A:VAL:HB	4	0.1
(1,3025)	1:62:B:THR:HG21	1:65:B:ILE:HG21	14	0.1
(1,3025)	1:62:B:THR:HG21	1:65:B:ILE:HG22	14	0.1
(1,3025)	1:62:B:THR:HG21	1:65:B:ILE:HG23	14	0.1
(1,3025)	1:62:B:THR:HG22	1:65:B:ILE:HG21	14	0.1
(1,3025)	1:62:B:THR:HG22	1:65:B:ILE:HG22	14	0.1
(1,3025)	1:62:B:THR:HG22	1:65:B:ILE:HG23	14	0.1
(1,3025)	1:62:B:THR:HG23	1:65:B:ILE:HG21	14	0.1
(1,3025)	1:62:B:THR:HG23	1:65:B:ILE:HG22	14	0.1
(1,3025)	1:62:B:THR:HG23	1:65:B:ILE:HG23	14	0.1
(1,3009)	1:23:A:VAL:HB	1:22:A:ARG:HB3	20	0.1
(1,2999)	1:78:A:ILE:HG21	1:79:A:ASN:HA	4	0.1
(1,2999)	1:78:A:ILE:HG22	1:79:A:ASN:HA	4	0.1
(1,2999)	1:78:A:ILE:HG23	1:79:A:ASN:HA	4	0.1
(1,2950)	1:80:B:VAL:HA	1:79:B:ASN:HB3	3	0.1
(1,2949)	1:51:A:VAL:HA	1:54:A:LEU:H	10	0.1
(1,2948)	1:51:B:VAL:HA	1:54:B:LEU:H	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2948)	1:51:B:VAL:HA	1:54:B:LEU:H	13	0.1
(1,2874)	1:88:B:ILE:HB	1:89:B:GLY:HA2	1	0.1
(1,2873)	1:88:A:ILE:HB	1:89:A:GLY:HA2	1	0.1
(1,2847)	1:89:A:GLY:H	1:86:A:LYS:HA	9	0.1
(1,2822)	1:59:B:ILE:HD11	1:54:B:LEU:HA	8	0.1
(1,2822)	1:59:B:ILE:HD12	1:54:B:LEU:HA	8	0.1
(1,2822)	1:59:B:ILE:HD13	1:54:B:LEU:HA	8	0.1
(1,2821)	1:59:A:ILE:HD11	1:54:A:LEU:HA	8	0.1
(1,2821)	1:59:A:ILE:HD12	1:54:A:LEU:HA	8	0.1
(1,2821)	1:59:A:ILE:HD13	1:54:A:LEU:HA	8	0.1
(1,2799)	1:66:A:LEU:H	1:66:A:LEU:HD21	6	0.1
(1,2799)	1:66:A:LEU:H	1:66:A:LEU:HD22	6	0.1
(1,2799)	1:66:A:LEU:H	1:66:A:LEU:HD23	6	0.1
(1,2799)	1:66:A:LEU:H	1:66:A:LEU:HD21	14	0.1
(1,2799)	1:66:A:LEU:H	1:66:A:LEU:HD22	14	0.1
(1,2799)	1:66:A:LEU:H	1:66:A:LEU:HD23	14	0.1
(1,2798)	1:66:B:LEU:H	1:66:B:LEU:HD21	6	0.1
(1,2798)	1:66:B:LEU:H	1:66:B:LEU:HD22	6	0.1
(1,2798)	1:66:B:LEU:H	1:66:B:LEU:HD23	6	0.1
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD11	7	0.1
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD12	7	0.1
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD13	7	0.1
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD11	8	0.1
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD12	8	0.1
(1,2797)	1:66:B:LEU:H	1:66:B:LEU:HD13	8	0.1
(1,2786)	1:94:B:ILE:HG21	1:74:A:LYS:HD2	15	0.1
(1,2786)	1:94:B:ILE:HG22	1:74:A:LYS:HD2	15	0.1
(1,2786)	1:94:B:ILE:HG23	1:74:A:LYS:HD2	15	0.1
(1,2726)	1:80:A:VAL:HG21	1:45:A:LYS:HB3	3	0.1
(1,2726)	1:80:A:VAL:HG22	1:45:A:LYS:HB3	3	0.1
(1,2726)	1:80:A:VAL:HG23	1:45:A:LYS:HB3	3	0.1
(1,2544)	1:27:A:GLN:H	1:26:A:VAL:HB	12	0.1
(1,2543)	1:27:B:GLN:H	1:26:B:VAL:HB	9	0.1
(1,2543)	1:27:B:GLN:H	1:26:B:VAL:HB	12	0.1
(1,2532)	1:74:A:LYS:HA	1:95:B:LEU:HG	4	0.1
(1,2502)	1:100:A:ARG:H	1:99:A:ARG:HA	12	0.1
(1,2494)	1:23:B:VAL:HG21	1:24:B:SER:H	11	0.1
(1,2494)	1:23:B:VAL:HG22	1:24:B:SER:H	11	0.1
(1,2494)	1:23:B:VAL:HG23	1:24:B:SER:H	11	0.1
(1,2491)	1:23:B:VAL:HG11	1:24:B:SER:H	8	0.1
(1,2491)	1:23:B:VAL:HG12	1:24:B:SER:H	8	0.1
(1,2491)	1:23:B:VAL:HG13	1:24:B:SER:H	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2420)	1:45:A:LYS:HE2	1:56:B:PHE:HA	20	0.1
(1,2416)	1:62:A:THR:H	1:63:A:ALA:HA	12	0.1
(1,2355)	1:27:B:GLN:HA	1:29:B:LEU:H	11	0.1
(1,2321)	1:51:A:VAL:HG11	1:65:A:ILE:HD11	5	0.1
(1,2321)	1:51:A:VAL:HG11	1:65:A:ILE:HD12	5	0.1
(1,2321)	1:51:A:VAL:HG11	1:65:A:ILE:HD13	5	0.1
(1,2321)	1:51:A:VAL:HG12	1:65:A:ILE:HD11	5	0.1
(1,2321)	1:51:A:VAL:HG12	1:65:A:ILE:HD12	5	0.1
(1,2321)	1:51:A:VAL:HG12	1:65:A:ILE:HD13	5	0.1
(1,2321)	1:51:A:VAL:HG13	1:65:A:ILE:HD11	5	0.1
(1,2321)	1:51:A:VAL:HG13	1:65:A:ILE:HD12	5	0.1
(1,2321)	1:51:A:VAL:HG13	1:65:A:ILE:HD13	5	0.1
(1,2320)	1:51:B:VAL:HG11	1:65:B:ILE:HD11	5	0.1
(1,2320)	1:51:B:VAL:HG11	1:65:B:ILE:HD12	5	0.1
(1,2320)	1:51:B:VAL:HG11	1:65:B:ILE:HD13	5	0.1
(1,2320)	1:51:B:VAL:HG12	1:65:B:ILE:HD11	5	0.1
(1,2320)	1:51:B:VAL:HG12	1:65:B:ILE:HD12	5	0.1
(1,2320)	1:51:B:VAL:HG12	1:65:B:ILE:HD13	5	0.1
(1,2320)	1:51:B:VAL:HG13	1:65:B:ILE:HD11	5	0.1
(1,2320)	1:51:B:VAL:HG13	1:65:B:ILE:HD12	5	0.1
(1,2320)	1:51:B:VAL:HG13	1:65:B:ILE:HD13	5	0.1
(1,2310)	1:23:B:VAL:HG11	1:23:B:VAL:HA	3	0.1
(1,2310)	1:23:B:VAL:HG12	1:23:B:VAL:HA	3	0.1
(1,2310)	1:23:B:VAL:HG13	1:23:B:VAL:HA	3	0.1
(1,2310)	1:23:B:VAL:HG11	1:23:B:VAL:HA	6	0.1
(1,2310)	1:23:B:VAL:HG12	1:23:B:VAL:HA	6	0.1
(1,2310)	1:23:B:VAL:HG13	1:23:B:VAL:HA	6	0.1
(1,2234)	1:67:A:LYS:HB2	1:67:A:LYS:HA	13	0.1
(1,2145)	1:57:B:LEU:HD21	1:46:A:LEU:H	20	0.1
(1,2145)	1:57:B:LEU:HD22	1:46:A:LEU:H	20	0.1
(1,2145)	1:57:B:LEU:HD23	1:46:A:LEU:H	20	0.1
(1,2093)	1:23:B:VAL:HG21	1:24:B:SER:H	11	0.1
(1,2093)	1:23:B:VAL:HG22	1:24:B:SER:H	11	0.1
(1,2093)	1:23:B:VAL:HG23	1:24:B:SER:H	11	0.1
(1,2086)	1:92:A:LEU:HG	1:93:A:ASN:H	11	0.1
(1,2014)	1:62:A:THR:H	1:61:A:PRO:HA	6	0.1
(1,1999)	1:72:A:ILE:HD11	1:73:A:LYS:H	14	0.1
(1,1999)	1:72:A:ILE:HD12	1:73:A:LYS:H	14	0.1
(1,1999)	1:72:A:ILE:HD13	1:73:A:LYS:H	14	0.1
(1,1983)	1:59:A:ILE:H	1:59:A:ILE:HB	14	0.1
(1,1982)	1:59:B:ILE:H	1:59:B:ILE:HB	14	0.1
(1,1973)	1:43:B:PRO:HB3	1:44:B:LEU:H	11	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1934)	1:56:A:PHE:HD1	1:84:B:PHE:HD1	13	0.1
(1,1934)	1:56:A:PHE:HD1	1:84:B:PHE:HD2	13	0.1
(1,1934)	1:56:A:PHE:HD2	1:84:B:PHE:HD1	13	0.1
(1,1934)	1:56:A:PHE:HD2	1:84:B:PHE:HD2	13	0.1
(1,1885)	1:63:A:ALA:H	1:24:A:SER:H	15	0.1
(1,1873)	1:58:B:THR:HA	1:59:B:ILE:H	11	0.1
(1,1792)	1:86:A:LYS:HB2	1:87:A:GLU:H	1	0.1
(1,1786)	1:86:B:LYS:HG3	1:86:B:LYS:H	17	0.1
(1,1786)	1:86:B:LYS:HG3	1:86:B:LYS:H	20	0.1
(1,1710)	1:82:A:ARG:HA	1:85:A:ARG:HD3	19	0.1
(1,1679)	1:52:B:ALA:HA	1:55:B:ARG:HG2	14	0.1
(1,1678)	1:52:A:ALA:HA	1:55:A:ARG:HG2	14	0.1
(1,1666)	1:95:A:LEU:HG	1:92:A:LEU:HA	18	0.1
(1,1665)	1:95:B:LEU:HG	1:92:B:LEU:HA	18	0.1
(1,1661)	1:82:B:ARG:HA	1:83:B:GLY:H	9	0.1
(1,1661)	1:82:B:ARG:HA	1:83:B:GLY:H	10	0.1
(1,1661)	1:82:B:ARG:HA	1:83:B:GLY:H	11	0.1
(1,1661)	1:82:B:ARG:HA	1:83:B:GLY:H	16	0.1
(1,1660)	1:82:A:ARG:HA	1:83:A:GLY:H	7	0.1
(1,1660)	1:82:A:ARG:HA	1:83:A:GLY:H	9	0.1
(1,1660)	1:82:A:ARG:HA	1:83:A:GLY:H	11	0.1
(1,1660)	1:82:A:ARG:HA	1:83:A:GLY:H	16	0.1
(1,1660)	1:82:A:ARG:HA	1:83:A:GLY:H	19	0.1
(1,1632)	1:52:A:ALA:H	1:48:A:MET:HA	8	0.1
(1,1632)	1:52:A:ALA:H	1:48:A:MET:HA	10	0.1
(1,1631)	1:52:B:ALA:H	1:48:B:MET:HA	10	0.1
(1,1601)	1:96:A:ASN:HA	1:96:A:ASN:HD21	20	0.1
(1,1600)	1:96:B:ASN:HA	1:96:B:ASN:HD21	3	0.1
(1,1544)	1:51:B:VAL:HG11	1:51:B:VAL:HA	2	0.1
(1,1544)	1:51:B:VAL:HG12	1:51:B:VAL:HA	2	0.1
(1,1544)	1:51:B:VAL:HG13	1:51:B:VAL:HA	2	0.1
(1,1544)	1:51:B:VAL:HG11	1:51:B:VAL:HA	3	0.1
(1,1544)	1:51:B:VAL:HG12	1:51:B:VAL:HA	3	0.1
(1,1544)	1:51:B:VAL:HG13	1:51:B:VAL:HA	3	0.1
(1,1544)	1:51:B:VAL:HG11	1:51:B:VAL:HA	6	0.1
(1,1544)	1:51:B:VAL:HG12	1:51:B:VAL:HA	6	0.1
(1,1544)	1:51:B:VAL:HG13	1:51:B:VAL:HA	6	0.1
(1,1543)	1:51:A:VAL:HG11	1:51:A:VAL:HA	2	0.1
(1,1543)	1:51:A:VAL:HG12	1:51:A:VAL:HA	2	0.1
(1,1543)	1:51:A:VAL:HG13	1:51:A:VAL:HA	2	0.1
(1,1543)	1:51:A:VAL:HG11	1:51:A:VAL:HA	6	0.1
(1,1543)	1:51:A:VAL:HG12	1:51:A:VAL:HA	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1543)	1:51:A:VAL:HG13	1:51:A:VAL:HA	6	0.1
(1,1509)	1:94:A:ILE:HG21	1:95:A:LEU:HD11	8	0.1
(1,1509)	1:94:A:ILE:HG21	1:95:A:LEU:HD12	8	0.1
(1,1509)	1:94:A:ILE:HG21	1:95:A:LEU:HD13	8	0.1
(1,1509)	1:94:A:ILE:HG22	1:95:A:LEU:HD11	8	0.1
(1,1509)	1:94:A:ILE:HG22	1:95:A:LEU:HD12	8	0.1
(1,1509)	1:94:A:ILE:HG22	1:95:A:LEU:HD13	8	0.1
(1,1509)	1:94:A:ILE:HG23	1:95:A:LEU:HD11	8	0.1
(1,1509)	1:94:A:ILE:HG23	1:95:A:LEU:HD12	8	0.1
(1,1509)	1:94:A:ILE:HG23	1:95:A:LEU:HD13	8	0.1
(1,1459)	1:60:A:PRO:HA	1:60:A:PRO:HD3	4	0.1
(1,1450)	1:98:A:ARG:H	1:97:A:ARG:HB2	19	0.1
(1,1447)	1:91:A:MET:HA	1:94:A:ILE:H	4	0.1
(1,1438)	1:57:B:LEU:HD21	1:59:B:ILE:H	20	0.1
(1,1438)	1:57:B:LEU:HD22	1:59:B:ILE:H	20	0.1
(1,1438)	1:57:B:LEU:HD23	1:59:B:ILE:H	20	0.1
(1,1437)	1:94:B:ILE:HG21	1:94:B:ILE:H	6	0.1
(1,1437)	1:94:B:ILE:HG22	1:94:B:ILE:H	6	0.1
(1,1437)	1:94:B:ILE:HG23	1:94:B:ILE:H	6	0.1
(1,1436)	1:94:A:ILE:HG21	1:94:A:ILE:H	6	0.1
(1,1436)	1:94:A:ILE:HG22	1:94:A:ILE:H	6	0.1
(1,1436)	1:94:A:ILE:HG23	1:94:A:ILE:H	6	0.1
(1,1435)	1:57:B:LEU:HD11	1:57:B:LEU:H	10	0.1
(1,1435)	1:57:B:LEU:HD12	1:57:B:LEU:H	10	0.1
(1,1435)	1:57:B:LEU:HD13	1:57:B:LEU:H	10	0.1
(1,1435)	1:57:B:LEU:HD11	1:57:B:LEU:H	15	0.1
(1,1435)	1:57:B:LEU:HD12	1:57:B:LEU:H	15	0.1
(1,1435)	1:57:B:LEU:HD13	1:57:B:LEU:H	15	0.1
(1,1421)	1:95:B:LEU:HD11	1:74:A:LYS:HA	10	0.1
(1,1421)	1:95:B:LEU:HD12	1:74:A:LYS:HA	10	0.1
(1,1421)	1:95:B:LEU:HD13	1:74:A:LYS:HA	10	0.1
(1,1379)	1:62:A:THR:HB	1:63:A:ALA:HB1	9	0.1
(1,1379)	1:62:A:THR:HB	1:63:A:ALA:HB2	9	0.1
(1,1379)	1:62:A:THR:HB	1:63:A:ALA:HB3	9	0.1
(1,1349)	1:28:B:GLN:HA	1:31:B:LYS:H	13	0.1
(1,1325)	1:88:A:ILE:HG21	1:90:A:ARG:H	11	0.1
(1,1325)	1:88:A:ILE:HG22	1:90:A:ARG:H	11	0.1
(1,1325)	1:88:A:ILE:HG23	1:90:A:ARG:H	11	0.1
(1,1324)	1:88:B:ILE:HG21	1:90:B:ARG:H	11	0.1
(1,1324)	1:88:B:ILE:HG22	1:90:B:ARG:H	11	0.1
(1,1324)	1:88:B:ILE:HG23	1:90:B:ARG:H	11	0.1
(1,1310)	1:95:A:LEU:HD21	1:69:B:TRP:HH2	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1310)	1:95:A:LEU:HD22	1:69:B:TRP:HH2	18	0.1
(1,1310)	1:95:A:LEU:HD23	1:69:B:TRP:HH2	18	0.1
(1,1292)	1:56:B:PHE:HB2	1:52:B:ALA:HA	3	0.1
(1,1291)	1:56:A:PHE:HB2	1:52:A:ALA:HA	3	0.1
(1,1287)	1:77:B:ALA:H	1:76:B:LYS:H	7	0.1
(1,1244)	1:62:B:THR:HB	1:64:B:GLY:H	15	0.1
(1,1233)	1:46:A:LEU:H	1:43:A:PRO:HB3	16	0.1
(1,1207)	1:72:B:ILE:HG13	1:72:B:ILE:HB	17	0.1
(1,1168)	1:30:B:THR:HG21	1:31:B:LYS:H	15	0.1
(1,1168)	1:30:B:THR:HG22	1:31:B:LYS:H	15	0.1
(1,1168)	1:30:B:THR:HG23	1:31:B:LYS:H	15	0.1
(1,1147)	1:25:B:THR:HG21	1:24:B:SER:HA	18	0.1
(1,1147)	1:25:B:THR:HG22	1:24:B:SER:HA	18	0.1
(1,1147)	1:25:B:THR:HG23	1:24:B:SER:HA	18	0.1
(1,1146)	1:25:A:THR:HG21	1:24:A:SER:HA	4	0.1
(1,1146)	1:25:A:THR:HG22	1:24:A:SER:HA	4	0.1
(1,1146)	1:25:A:THR:HG23	1:24:A:SER:HA	4	0.1
(1,1146)	1:25:A:THR:HG21	1:24:A:SER:HA	18	0.1
(1,1146)	1:25:A:THR:HG22	1:24:A:SER:HA	18	0.1
(1,1146)	1:25:A:THR:HG23	1:24:A:SER:HA	18	0.1
(1,1107)	1:96:B:ASN:HA	1:97:B:ARG:H	2	0.1
(1,1107)	1:96:B:ASN:HA	1:97:B:ARG:H	20	0.1
(1,1106)	1:96:A:ASN:HA	1:97:A:ARG:H	20	0.1
(1,1088)	1:80:A:VAL:HG21	1:81:A:LEU:H	10	0.1
(1,1088)	1:80:A:VAL:HG22	1:81:A:LEU:H	10	0.1
(1,1088)	1:80:A:VAL:HG23	1:81:A:LEU:H	10	0.1
(1,1067)	1:52:B:ALA:HB1	1:53:A:PHE:H	15	0.1
(1,1067)	1:52:B:ALA:HB2	1:53:A:PHE:H	15	0.1
(1,1067)	1:52:B:ALA:HB3	1:53:A:PHE:H	15	0.1
(1,1051)	1:70:B:GLY:H	1:69:B:TRP:HE3	8	0.1
(1,1043)	1:92:A:LEU:HG	1:92:A:LEU:H	19	0.1
(1,1042)	1:92:B:LEU:HG	1:92:B:LEU:H	19	0.1
(1,1014)	1:73:A:LYS:H	1:73:A:LYS:HA	14	0.1
(1,1014)	1:73:A:LYS:H	1:73:A:LYS:HA	17	0.1
(1,1013)	1:73:B:LYS:H	1:73:B:LYS:HA	14	0.1
(1,982)	1:56:A:PHE:H	1:55:A:ARG:HA	16	0.1
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG21	1	0.1
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG22	1	0.1
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG23	1	0.1
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG21	5	0.1
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG22	5	0.1
(1,969)	1:65:A:ILE:H	1:65:A:ILE:HG23	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG21	1	0.1
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG22	1	0.1
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG23	1	0.1
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG21	5	0.1
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG22	5	0.1
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG23	5	0.1
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG21	7	0.1
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG22	7	0.1
(1,968)	1:65:B:ILE:H	1:65:B:ILE:HG23	7	0.1
(1,952)	1:97:A:ARG:HA	1:97:A:ARG:H	1	0.1
(1,952)	1:97:A:ARG:HA	1:97:A:ARG:H	12	0.1
(1,951)	1:97:B:ARG:HA	1:97:B:ARG:H	1	0.1
(1,951)	1:97:B:ARG:HA	1:97:B:ARG:H	12	0.1
(1,943)	1:94:A:ILE:H	1:94:A:ILE:HA	12	0.1
(1,942)	1:94:B:ILE:H	1:94:B:ILE:HA	5	0.1
(1,942)	1:94:B:ILE:H	1:94:B:ILE:HA	8	0.1
(1,942)	1:94:B:ILE:H	1:94:B:ILE:HA	12	0.1
(1,925)	1:82:B:ARG:HA	1:86:B:LYS:H	9	0.1
(1,924)	1:82:A:ARG:HA	1:86:A:LYS:H	6	0.1
(1,894)	1:25:A:THR:HG21	1:25:A:THR:H	16	0.1
(1,894)	1:25:A:THR:HG22	1:25:A:THR:H	16	0.1
(1,894)	1:25:A:THR:HG23	1:25:A:THR:H	16	0.1
(1,893)	1:25:B:THR:HG21	1:25:B:THR:H	16	0.1
(1,893)	1:25:B:THR:HG22	1:25:B:THR:H	16	0.1
(1,893)	1:25:B:THR:HG23	1:25:B:THR:H	16	0.1
(1,824)	1:63:B:ALA:HA	1:63:B:ALA:H	6	0.1
(1,820)	1:100:B:ARG:H	1:100:B:ARG:HA	2	0.1
(1,819)	1:100:A:ARG:H	1:100:A:ARG:HA	2	0.1
(1,819)	1:100:A:ARG:H	1:100:A:ARG:HA	18	0.1
(1,786)	1:75:A:SER:H	1:74:A:LYS:HB2	12	0.1
(1,783)	1:22:A:ARG:HG3	1:23:A:VAL:H	13	0.1
(1,776)	1:88:A:ILE:H	1:89:A:GLY:HA2	9	0.1
(1,692)	1:54:A:LEU:HA	1:58:A:THR:H	2	0.1
(1,675)	1:62:A:THR:HG21	1:26:A:VAL:HA	6	0.1
(1,675)	1:62:A:THR:HG22	1:26:A:VAL:HA	6	0.1
(1,675)	1:62:A:THR:HG23	1:26:A:VAL:HA	6	0.1
(1,640)	1:93:A:ASN:H	1:93:A:ASN:HB3	4	0.1
(1,640)	1:93:A:ASN:H	1:93:A:ASN:HB3	15	0.1
(1,639)	1:93:B:ASN:H	1:93:B:ASN:HB3	4	0.1
(1,639)	1:93:B:ASN:H	1:93:B:ASN:HB3	15	0.1
(1,542)	1:52:B:ALA:H	1:53:B:PHE:HB3	7	0.1
(1,497)	1:26:B:VAL:HG11	1:28:B:GLN:H	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,497)	1:26:B:VAL:HG12	1:28:B:GLN:H	9	0.1
(1,497)	1:26:B:VAL:HG13	1:28:B:GLN:H	9	0.1
(1,421)	1:69:A:TRP:H	1:68:A:ARG:HA	13	0.1
(1,413)	1:71:A:THR:H	1:71:A:THR:HA	18	0.1
(1,412)	1:71:B:THR:H	1:71:B:THR:HA	18	0.1
(1,412)	1:71:B:THR:H	1:71:B:THR:HA	20	0.1
(1,407)	1:80:A:VAL:HG21	1:45:A:LYS:HA	2	0.1
(1,407)	1:80:A:VAL:HG22	1:45:A:LYS:HA	2	0.1
(1,407)	1:80:A:VAL:HG23	1:45:A:LYS:HA	2	0.1
(1,362)	1:76:B:LYS:HB3	1:76:B:LYS:H	9	0.1
(1,362)	1:76:B:LYS:HB3	1:76:B:LYS:H	19	0.1
(1,351)	1:65:B:ILE:HD11	1:65:B:ILE:H	15	0.1
(1,351)	1:65:B:ILE:HD12	1:65:B:ILE:H	15	0.1
(1,351)	1:65:B:ILE:HD13	1:65:B:ILE:H	15	0.1
(1,350)	1:65:A:ILE:HD11	1:65:A:ILE:H	6	0.1
(1,350)	1:65:A:ILE:HD12	1:65:A:ILE:H	6	0.1
(1,350)	1:65:A:ILE:HD13	1:65:A:ILE:H	6	0.1
(1,258)	1:94:A:ILE:HD11	1:87:A:GLU:HA	2	0.1
(1,258)	1:94:A:ILE:HD12	1:87:A:GLU:HA	2	0.1
(1,258)	1:94:A:ILE:HD13	1:87:A:GLU:HA	2	0.1
(1,257)	1:94:B:ILE:HD11	1:87:B:GLU:HA	2	0.1
(1,257)	1:94:B:ILE:HD12	1:87:B:GLU:HA	2	0.1
(1,257)	1:94:B:ILE:HD13	1:87:B:GLU:HA	2	0.1
(1,189)	1:96:B:ASN:HA	1:92:B:LEU:HA	15	0.1
(1,188)	1:96:A:ASN:HA	1:92:A:LEU:HA	15	0.1
(1,145)	1:69:B:TRP:HH2	1:95:A:LEU:H	5	0.1
(1,30)	1:95:B:LEU:HD11	1:74:A:LYS:HA	10	0.1
(1,30)	1:95:B:LEU:HD12	1:74:A:LYS:HA	10	0.1
(1,30)	1:95:B:LEU:HD13	1:74:A:LYS:HA	10	0.1

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found