



Full wwPDB NMR Structure Validation Report ⓘ

Dec 24, 2024 – 09:04 PM EST

PDB ID : 2M9G
BMRB ID : 19293
Title : Solution structure of calcium-bound human S100A12
Authors : Hung, K.W.; Hsu, C.C.; Yu, C.
Deposited on : 2013-06-07

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 : 4.02b-467
Percentile statistics : 20231227.v01 (using entries in the PDB archive December 27th 2023)
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) : 2.40

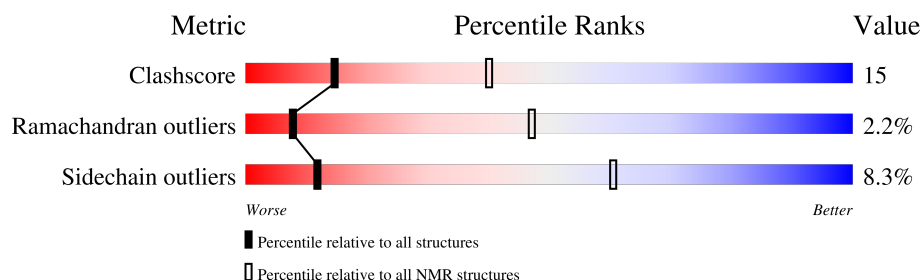
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 37%.

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	210492	14027
Ramachandran outliers	207382	12486
Sidechain outliers	206894	12463

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 $\leq 5\%$

Mol	Chain	Length	Quality of chain
1	A	92	
1	B	92	

2 Ensemble composition and analysis

This entry contains 20 models. Model 12 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:5-A:17, A:28-A:90, B:5-B:17, B:28-B:90 (152)	0.64	12

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

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

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

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

3 Entry composition [i](#)

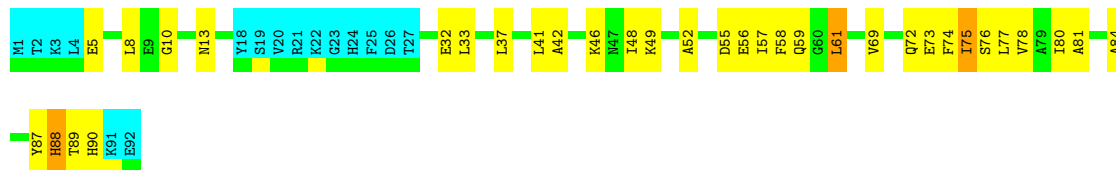
There is only 1 type of molecule in this entry. The entry contains 3004 atoms, of which 1510 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Protein S100-A12.

Mol	Chain	Residues	Atoms						Trace
1	A	92	Total	C	H	N	O	S	0
			1502	476	755	127	143	1	
1	B	92	Total	C	H	N	O	S	0
			1502	476	755	127	143	1	

- Molecule 1: Protein S100-A12

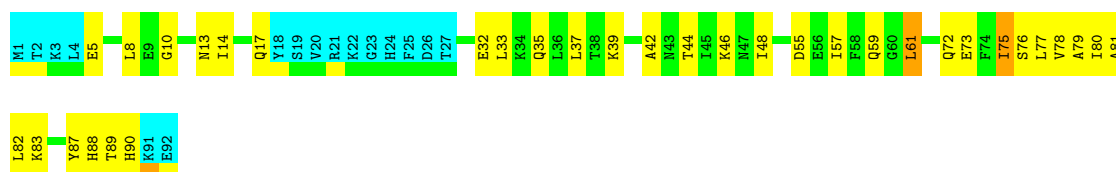
Chain B: 



4.2.2 Score per residue for model 2

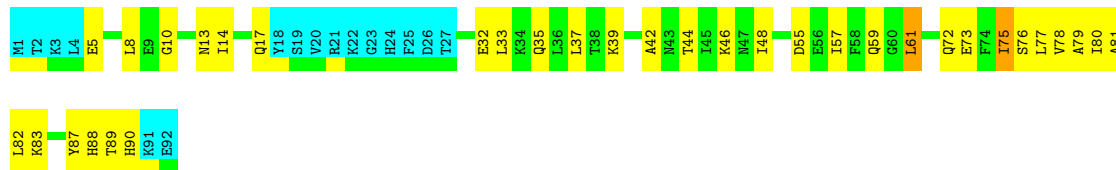
- Molecule 1: Protein S100-A12

Chain A: 



- Molecule 1: Protein S100-A12

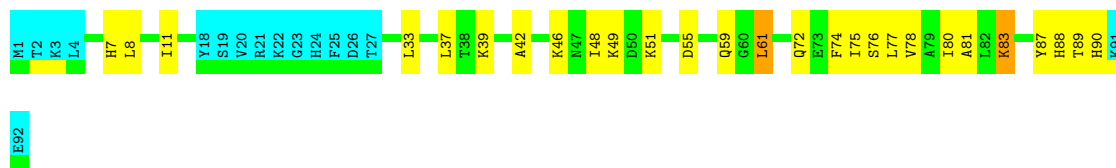
Chain B: 



4.2.3 Score per residue for model 3

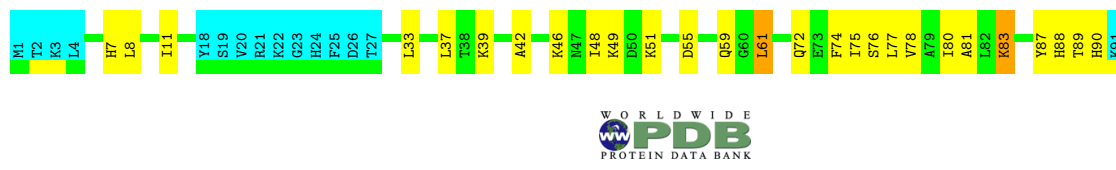
- Molecule 1: Protein S100-A12

Chain A: 



- Molecule 1: Protein S100-A12

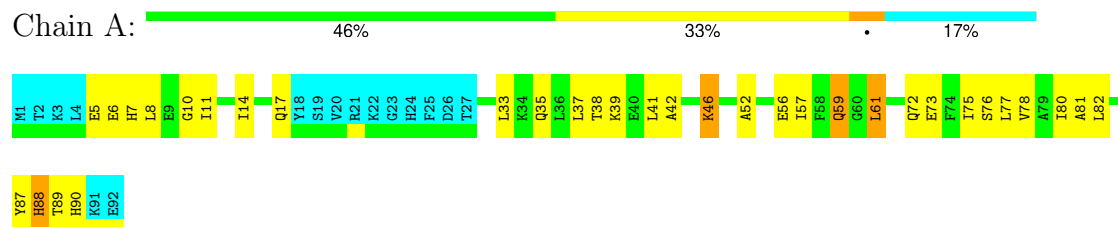
Chain B: 



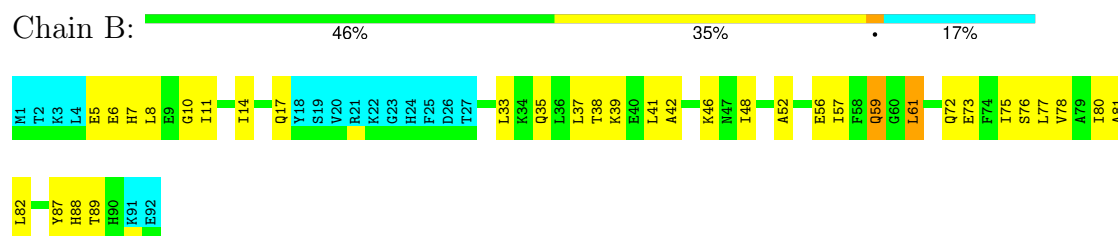
E92

4.2.4 Score per residue for model 4

- Molecule 1: Protein S100-A12

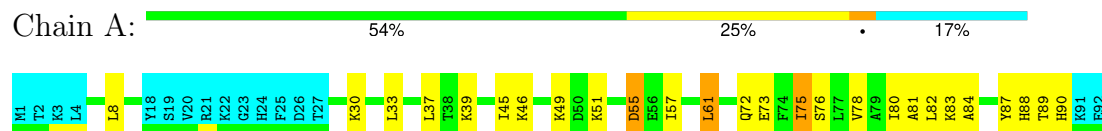


- Molecule 1: Protein S100-A12

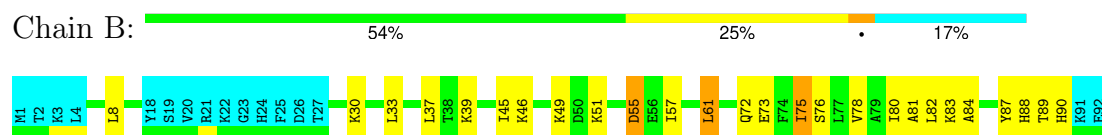


4.2.5 Score per residue for model 5

- Molecule 1: Protein S100-A12



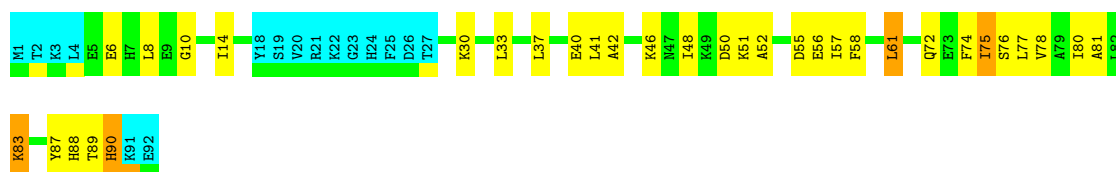
- Molecule 1: Protein S100-A12



4.2.6 Score per residue for model 6

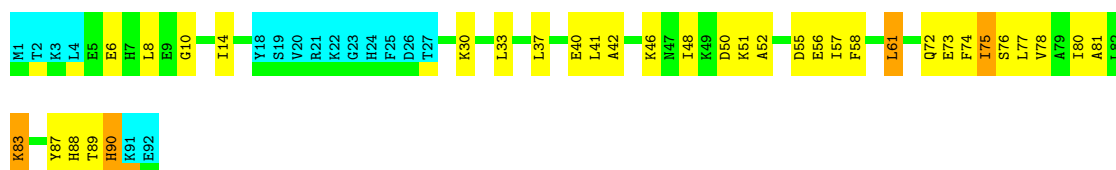
- Molecule 1: Protein S100-A12





• Molecule 1: Protein S100-A12

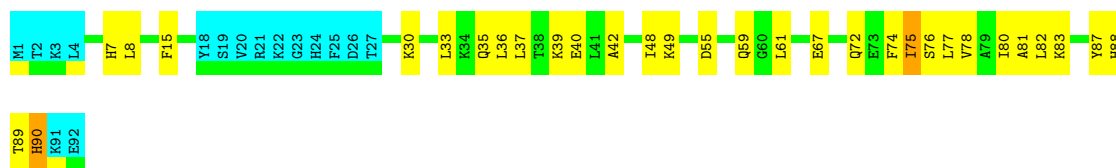
Chain B: 46% 33% 17%



4.2.7 Score per residue for model 7

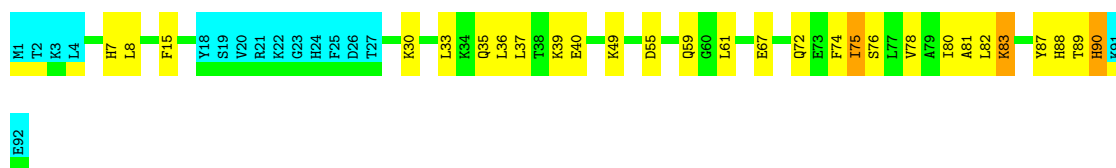
• Molecule 1: Protein S100-A12

Chain A: 49% 32% 17%



• Molecule 1: Protein S100-A12

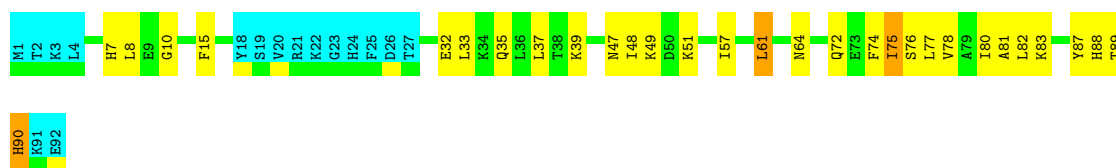
Chain B: 52% 27% 17%



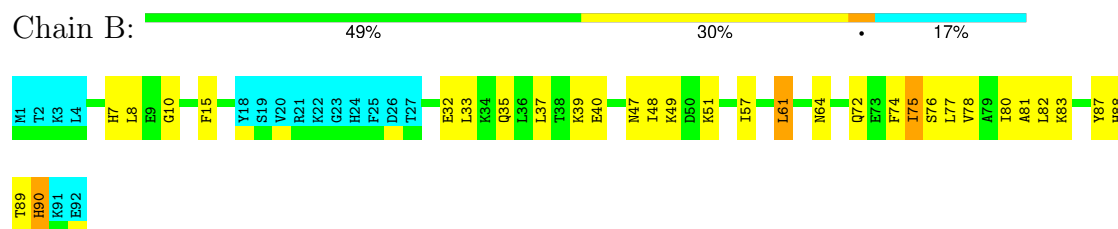
4.2.8 Score per residue for model 8

• Molecule 1: Protein S100-A12

Chain A: 50% 29% 17%

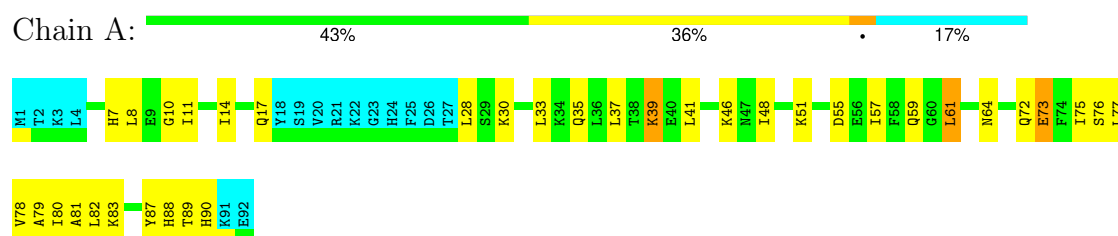


- Molecule 1: Protein S100-A12

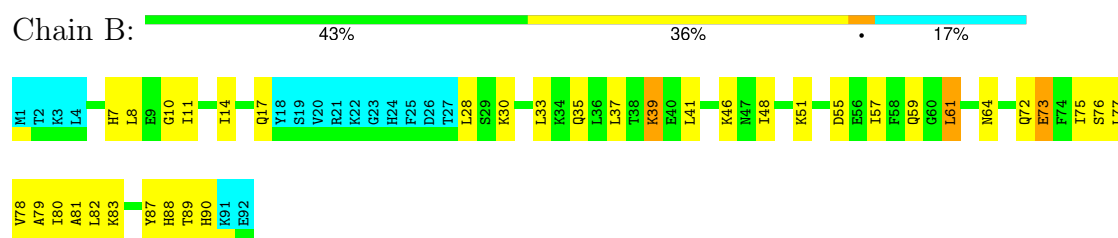


4.2.9 Score per residue for model 9

- Molecule 1: Protein S100-A12

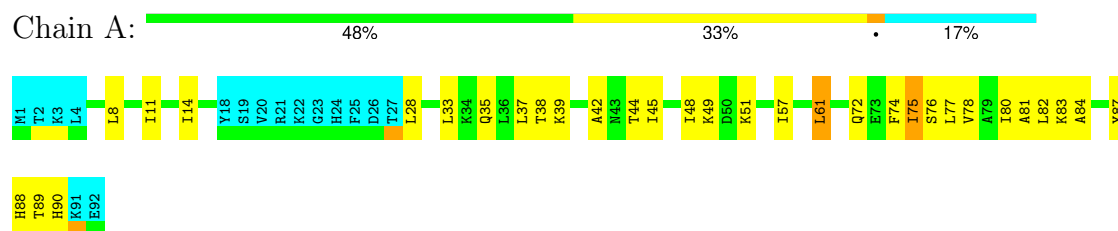


- Molecule 1: Protein S100-A12

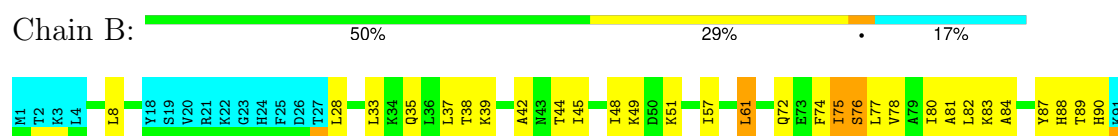


4.2.10 Score per residue for model 10

- Molecule 1: Protein S100-A12



- Molecule 1: Protein S100-A12

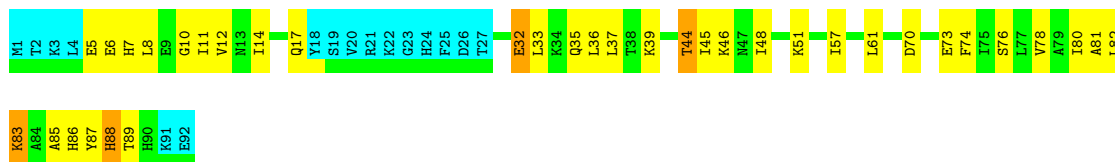


E92

4.2.11 Score per residue for model 11

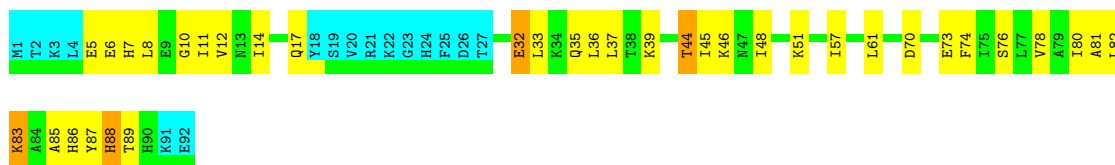
- Molecule 1: Protein S100-A12

Chain A: 43% 35% 17%



- Molecule 1: Protein S100-A12

Chain B: 43% 35% 17%



4.2.12 Score per residue for model 12 (medoid)

- Molecule 1: Protein S100-A12

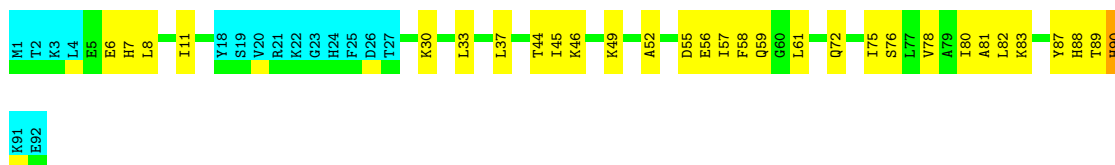
Chain A: 51% 30% 17%



E92

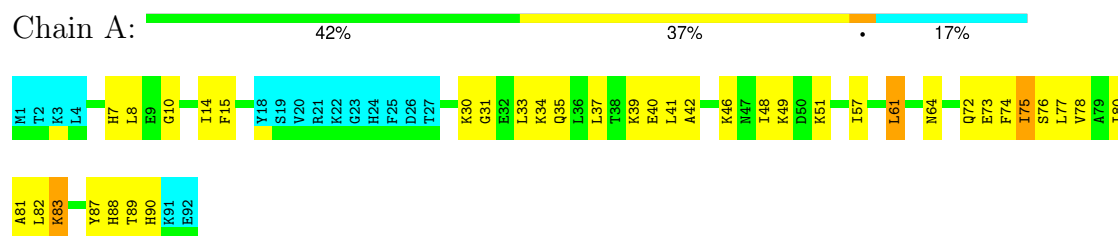
- Molecule 1: Protein S100-A12

Chain B: 50% 32% 17%

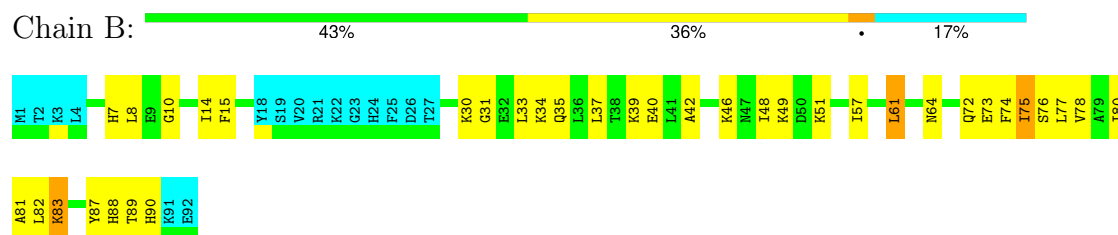
K91
E92

4.2.13 Score per residue for model 13

• Molecule 1: Protein S100-A12

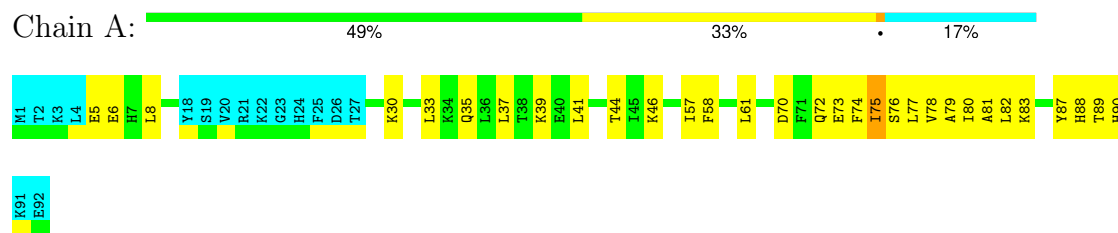


• Molecule 1: Protein S100-A12

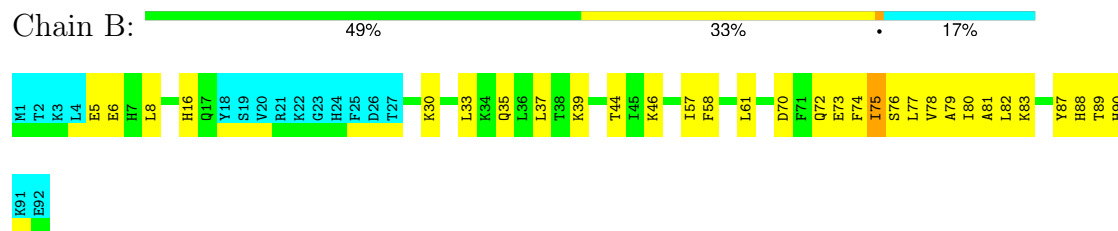


4.2.14 Score per residue for model 14

• Molecule 1: Protein S100-A12



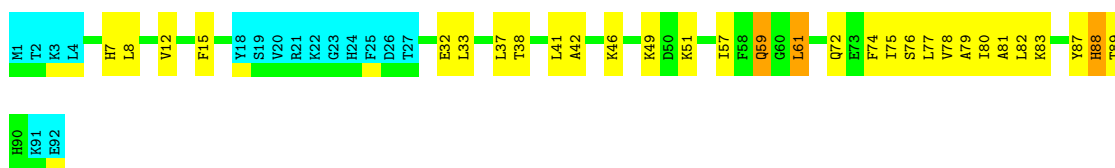
• Molecule 1: Protein S100-A12



4.2.15 Score per residue for model 15

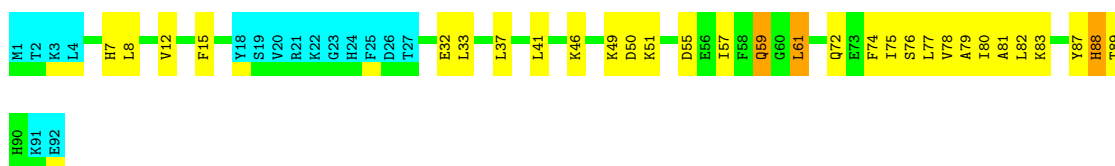
• Molecule 1: Protein S100-A12





• Molecule 1: Protein S100-A12

Chain B: 50% 29% 17%



4.2.16 Score per residue for model 16

• Molecule 1: Protein S100-A12

Chain A: 43% 35% 17%



• Molecule 1: Protein S100-A12

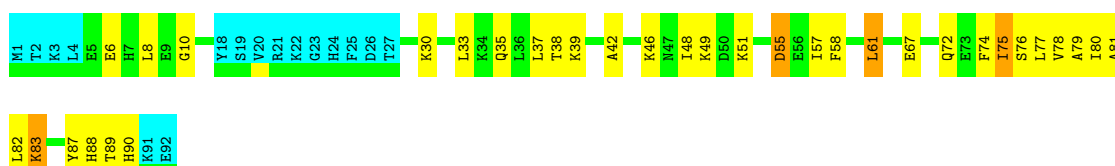
Chain B: 43% 35% 17%



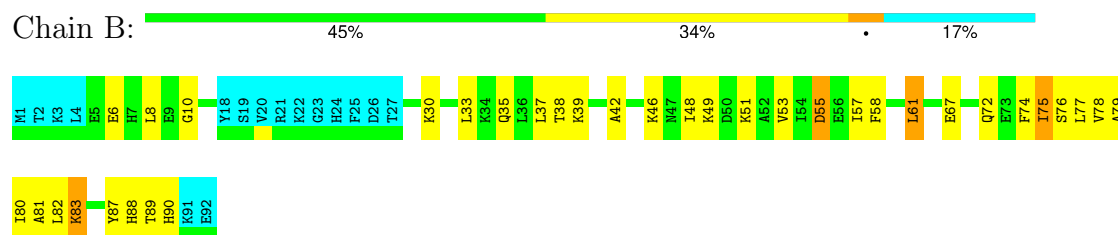
4.2.17 Score per residue for model 17

• Molecule 1: Protein S100-A12

Chain A: 46% 33% 17%

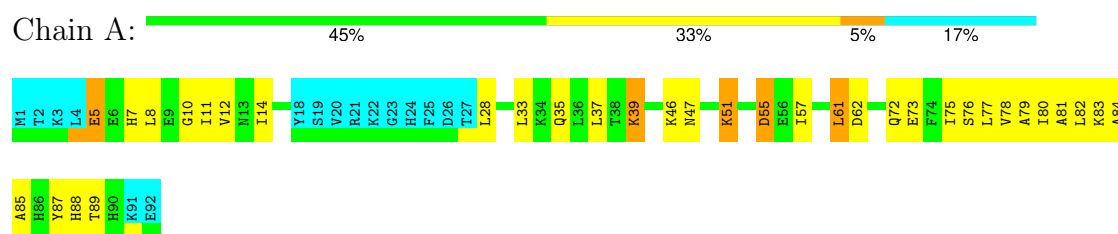


- Molecule 1: Protein S100-A12

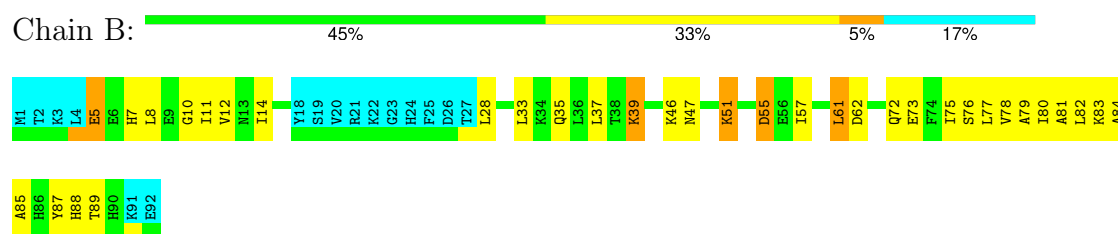


4.2.18 Score per residue for model 18

- Molecule 1: Protein S100-A12

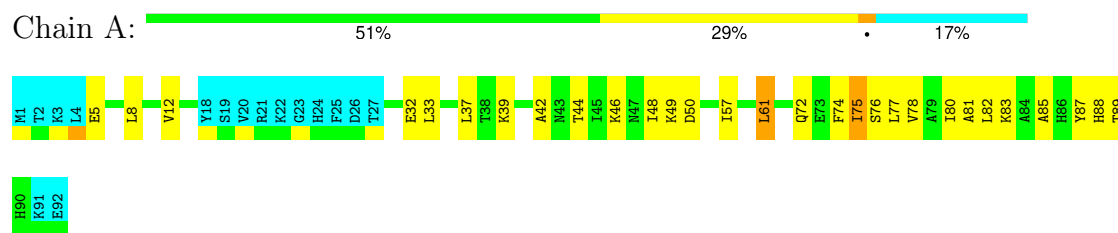


- Molecule 1: Protein S100-A12

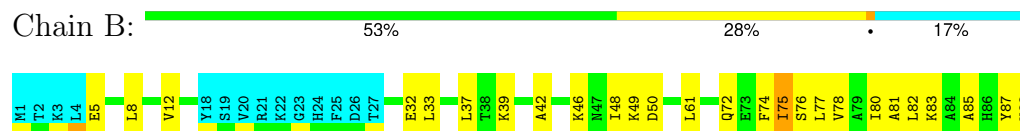


4.2.19 Score per residue for model 19

- Molecule 1: Protein S100-A12



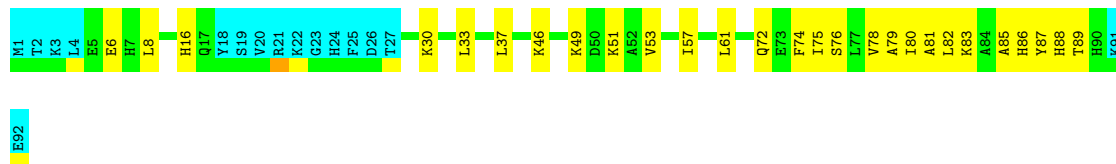
- Molecule 1: Protein S100-A12



4.2.20 Score per residue for model 20

- Molecule 1: Protein S100-A12

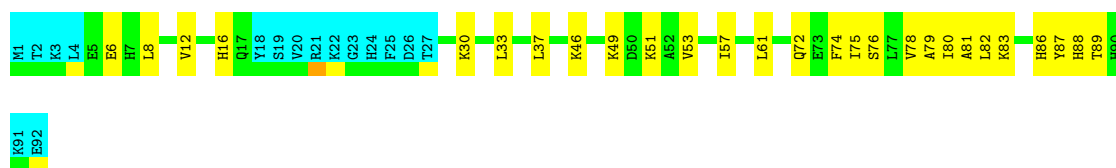
Chain A: 



E92

- Molecule 1: Protein S100-A12

Chain B: 



K91
E92

5 Refinement protocol and experimental data overview

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

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

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

Software name	Classification	Version
ARIA	structure solution	
ARIA	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	824
Number of shifts mapped to atoms	824
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	37%

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	611	614	609	22±4
1	B	611	614	609	21±4
All	All	24440	24560	24360	731

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 15.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:8:LEU:HD13	1:B:81:ALA:HB1	0.76	1.58	15	18
1:A:81:ALA:HB1	1:B:8:LEU:HD13	0.74	1.58	15	18
1:A:35:GLN:O	1:A:39:LYS:HG2	0.64	1.91	9	12
1:B:35:GLN:O	1:B:39:LYS:HG2	0.64	1.91	9	12
1:A:83:LYS:HG2	1:B:75:ILE:CD1	0.64	2.22	2	3
1:A:75:ILE:CD1	1:B:83:LYS:HG2	0.63	2.23	2	3
1:B:76:SER:O	1:B:80:ILE:HD13	0.61	1.94	15	20
1:A:76:SER:O	1:A:80:ILE:HD13	0.61	1.95	15	20
1:A:10:GLY:O	1:A:14:ILE:HG12	0.60	1.97	11	5
1:B:10:GLY:O	1:B:14:ILE:HG12	0.59	1.97	11	5
1:A:8:LEU:CD1	1:B:81:ALA:HB1	0.58	2.29	10	19
1:A:81:ALA:HB1	1:B:8:LEU:CD1	0.57	2.29	15	19
1:A:41:LEU:HD22	1:B:8:LEU:HD11	0.56	1.77	15	5

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:78:VAL:O	1:B:82:LEU:HG	0.56	2.01	11	16
1:A:78:VAL:O	1:A:82:LEU:HG	0.56	2.01	11	16
1:A:57:ILE:O	1:A:61:LEU:HG	0.56	2.01	9	15
1:A:33:LEU:O	1:A:37:LEU:HG	0.56	2.00	9	20
1:B:33:LEU:O	1:B:37:LEU:HG	0.56	2.01	9	20
1:A:8:LEU:HD11	1:B:41:LEU:HD22	0.56	1.76	15	3
1:B:57:ILE:O	1:B:61:LEU:HG	0.55	2.01	9	14
1:B:72:GLN:O	1:B:75:ILE:HB	0.55	2.01	2	18
1:A:10:GLY:O	1:A:14:ILE:HG13	0.55	2.01	9	3
1:A:12:VAL:HG21	1:B:85:ALA:HB3	0.55	1.78	18	3
1:B:10:GLY:O	1:B:14:ILE:HG13	0.55	2.02	9	3
1:A:85:ALA:HB3	1:B:12:VAL:HG21	0.55	1.77	18	4
1:B:61:LEU:HB3	1:B:73:GLU:O	0.54	2.02	5	8
1:A:72:GLN:O	1:A:75:ILE:HB	0.54	2.01	2	18
1:B:74:PHE:O	1:B:77:LEU:HB3	0.54	2.03	8	9
1:B:52:ALA:O	1:B:56:GLU:HG3	0.54	2.02	4	1
1:A:75:ILE:CD1	1:B:83:LYS:HG3	0.54	2.33	15	3
1:A:83:LYS:HG3	1:B:75:ILE:CD1	0.54	2.33	15	3
1:A:61:LEU:HB3	1:A:73:GLU:O	0.54	2.02	5	7
1:A:74:PHE:O	1:A:77:LEU:HB3	0.54	2.03	8	10
1:B:33:LEU:HD11	1:B:77:LEU:HD22	0.53	1.80	2	2
1:A:52:ALA:O	1:A:56:GLU:HG3	0.53	2.02	4	1
1:A:85:ALA:O	1:A:88:HIS:HB2	0.53	2.04	11	1
1:B:83:LYS:O	1:B:87:TYR:HB3	0.53	2.04	9	7
1:B:51:LYS:O	1:B:55:ASP:HB2	0.53	2.03	17	3
1:A:83:LYS:O	1:A:87:TYR:HB3	0.52	2.04	9	7
1:A:51:LYS:O	1:A:55:ASP:HB2	0.52	2.03	17	3
1:A:33:LEU:HD11	1:A:77:LEU:HD22	0.52	1.80	2	3
1:B:7:HIS:O	1:B:11:ILE:HG13	0.52	2.05	4	4
1:A:55:ASP:O	1:A:59:GLN:HG2	0.51	2.05	9	6
1:B:55:ASP:O	1:B:59:GLN:HG2	0.51	2.05	9	6
1:A:7:HIS:O	1:A:11:ILE:HG13	0.51	2.06	4	4
1:B:70:ASP:HB2	1:B:73:GLU:OE1	0.51	2.06	11	1
1:A:74:PHE:O	1:A:78:VAL:HG23	0.51	2.06	14	8
1:A:44:THR:OG1	1:B:5:GLU:HB3	0.51	2.05	11	4
1:A:41:LEU:HG	1:B:8:LEU:HD11	0.51	1.80	4	3
1:B:61:LEU:O	1:B:73:GLU:HG3	0.51	2.05	11	2
1:A:8:LEU:HD11	1:B:41:LEU:HG	0.51	1.80	4	3
1:B:74:PHE:O	1:B:78:VAL:HG23	0.51	2.06	14	8
1:B:30:LYS:HB2	1:B:67:GLU:OE2	0.51	2.06	7	1
1:A:61:LEU:O	1:A:73:GLU:HG3	0.51	2.05	11	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:85:ALA:O	1:B:88:HIS:HB2	0.51	2.05	11	1
1:A:87:TYR:O	1:A:89:THR:N	0.51	2.44	3	20
1:A:30:LYS:HB2	1:A:67:GLU:OE2	0.51	2.06	7	1
1:A:36:LEU:O	1:A:40:GLU:HB3	0.50	2.06	7	1
1:B:36:LEU:O	1:B:40:GLU:HB3	0.50	2.06	7	1
1:A:5:GLU:HB3	1:B:44:THR:OG1	0.50	2.06	11	4
1:A:70:ASP:HB2	1:A:73:GLU:OE1	0.50	2.06	11	1
1:A:76:SER:O	1:A:79:ALA:HB3	0.50	2.07	17	7
1:A:75:ILE:HG23	1:B:79:ALA:HB1	0.50	1.83	9	1
1:A:83:LYS:HG2	1:A:86:HIS:NE2	0.50	2.21	20	1
1:B:83:LYS:HG2	1:B:86:HIS:NE2	0.50	2.21	20	1
1:B:76:SER:O	1:B:79:ALA:HB3	0.49	2.07	17	7
1:A:79:ALA:HB1	1:B:75:ILE:HG23	0.49	1.83	9	1
1:B:87:TYR:O	1:B:89:THR:N	0.49	2.45	4	20
1:A:33:LEU:HD11	1:A:77:LEU:HG	0.49	1.83	3	3
1:B:37:LEU:HD13	1:B:48:ILE:HD11	0.49	1.84	8	1
1:B:33:LEU:HD11	1:B:77:LEU:HG	0.49	1.83	3	3
1:A:87:TYR:C	1:A:89:THR:H	0.48	2.12	9	13
1:B:87:TYR:C	1:B:89:THR:H	0.48	2.12	9	11
1:B:6:GLU:O	1:B:10:GLY:HA3	0.48	2.08	6	3
1:A:37:LEU:HD13	1:A:48:ILE:HD11	0.48	1.84	8	1
1:A:6:GLU:O	1:A:10:GLY:HA3	0.48	2.09	6	3
1:B:46:LYS:HG2	1:B:90:HIS:O	0.48	2.08	17	2
1:A:37:LEU:HD21	1:A:77:LEU:HD11	0.48	1.86	17	1
1:B:52:ALA:O	1:B:56:GLU:HG2	0.48	2.09	6	3
1:A:46:LYS:HG2	1:A:90:HIS:O	0.47	2.08	17	2
1:A:12:VAL:HG13	1:B:86:HIS:HB2	0.47	1.85	16	1
1:A:86:HIS:HB2	1:B:12:VAL:HG13	0.47	1.85	16	1
1:A:89:THR:O	1:A:90:HIS:HB2	0.47	2.10	7	2
1:B:37:LEU:HD21	1:B:77:LEU:HD11	0.47	1.86	17	1
1:A:52:ALA:O	1:A:56:GLU:HG2	0.47	2.10	1	3
1:A:75:ILE:HD13	1:B:83:LYS:HG2	0.47	1.87	8	1
1:B:89:THR:O	1:B:90:HIS:HB2	0.47	2.10	7	2
1:A:57:ILE:HG21	1:A:77:LEU:HD23	0.47	1.85	8	2
1:A:10:GLY:HA3	1:B:7:HIS:CE1	0.46	2.44	13	3
1:A:13:ASN:O	1:A:17:GLN:HG2	0.46	2.11	2	1
1:B:38:THR:O	1:B:42:ALA:HB2	0.46	2.11	4	3
1:A:31:GLY:O	1:A:34:LYS:HG3	0.46	2.11	13	1
1:A:12:VAL:CG1	1:B:86:HIS:HB2	0.46	2.41	16	2
1:B:57:ILE:HG21	1:B:77:LEU:HD23	0.46	1.85	8	2
1:A:37:LEU:HD21	1:A:77:LEU:HD21	0.45	1.88	15	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:38:THR:O	1:A:42:ALA:HB2	0.45	2.11	17	4
1:A:7:HIS:CE1	1:B:10:GLY:HA3	0.45	2.46	13	3
1:B:33:LEU:HG	1:B:37:LEU:HD11	0.45	1.89	19	4
1:A:14:ILE:HG22	1:A:36:LEU:HD11	0.45	1.87	11	1
1:B:14:ILE:HG22	1:B:36:LEU:HD11	0.45	1.87	11	1
1:B:58:PHE:CZ	1:B:67:GLU:HA	0.45	2.47	17	1
1:A:5:GLU:OE1	1:A:7:HIS:HB2	0.45	2.12	18	1
1:A:42:ALA:HA	1:A:48:ILE:CG2	0.45	2.42	16	10
1:B:12:VAL:O	1:B:15:PHE:HB3	0.45	2.12	15	1
1:B:5:GLU:OE1	1:B:7:HIS:HB2	0.45	2.12	18	1
1:A:83:LYS:HG2	1:B:75:ILE:HD13	0.45	1.87	8	1
1:A:45:ILE:HA	1:A:84:ALA:HB1	0.44	1.89	5	2
1:B:31:GLY:O	1:B:34:LYS:HG3	0.44	2.12	13	1
1:B:13:ASN:O	1:B:17:GLN:HG2	0.44	2.11	2	1
1:B:37:LEU:HD21	1:B:77:LEU:HD21	0.44	1.88	15	2
1:A:58:PHE:CZ	1:A:67:GLU:HA	0.44	2.47	17	1
1:B:42:ALA:HA	1:B:48:ILE:CG2	0.44	2.42	16	10
1:B:33:LEU:HG	1:B:37:LEU:CD1	0.44	2.43	7	2
1:A:59:GLN:HA	1:A:59:GLN:HE21	0.44	1.73	4	2
1:B:45:ILE:HA	1:B:84:ALA:HB1	0.44	1.89	5	2
1:A:33:LEU:HG	1:A:37:LEU:CD1	0.44	2.43	3	4
1:B:61:LEU:HD13	1:B:77:LEU:HB2	0.44	1.90	3	3
1:A:61:LEU:HD13	1:A:77:LEU:HB2	0.44	1.90	14	4
1:A:45:ILE:HB	1:A:48:ILE:HB	0.44	1.90	10	2
1:A:87:TYR:O	1:A:89:THR:HG22	0.44	2.13	16	2
1:B:30:LYS:HD2	1:B:51:LYS:HE2	0.44	1.90	17	2
1:B:30:LYS:HD2	1:B:51:LYS:HE3	0.43	1.90	20	2
1:A:30:LYS:HE3	1:A:58:PHE:CD2	0.43	2.48	6	1
1:A:86:HIS:HB2	1:B:12:VAL:CG1	0.43	2.42	16	2
1:A:33:LEU:HG	1:A:37:LEU:HD11	0.43	1.89	19	5
1:A:72:GLN:HA	1:A:75:ILE:HD12	0.43	1.91	1	1
1:A:30:LYS:HD2	1:A:51:LYS:HE2	0.43	1.90	9	2
1:A:12:VAL:O	1:A:15:PHE:HB3	0.43	2.13	15	1
1:A:30:LYS:HD2	1:A:51:LYS:HE3	0.43	1.90	20	2
1:B:30:LYS:HE3	1:B:58:PHE:CD2	0.43	2.48	6	1
1:B:15:PHE:CE2	1:B:74:PHE:HB3	0.43	2.49	7	1
1:A:42:ALA:HA	1:A:48:ILE:HG21	0.43	1.91	16	3
1:A:83:LYS:NZ	1:B:72:GLN:HB2	0.43	2.29	3	1
1:B:45:ILE:HB	1:B:48:ILE:HB	0.43	1.90	10	2
1:A:30:LYS:HD2	1:A:51:LYS:CE	0.43	2.44	13	1
1:A:33:LEU:HD11	1:A:77:LEU:HD13	0.43	1.91	17	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:10:GLY:HA2	1:A:13:ASN:ND2	0.43	2.29	1	1
1:A:11:ILE:HG21	1:A:78:VAL:HG21	0.43	1.89	3	2
1:B:59:GLN:HE21	1:B:59:GLN:HA	0.43	1.72	4	2
1:B:30:LYS:HD2	1:B:51:LYS:CE	0.43	2.44	13	1
1:B:87:TYR:O	1:B:89:THR:HG22	0.43	2.14	18	2
1:B:10:GLY:HA2	1:B:13:ASN:ND2	0.42	2.29	1	1
1:B:72:GLN:HA	1:B:75:ILE:HD12	0.42	1.91	1	1
1:B:11:ILE:HG21	1:B:78:VAL:HG21	0.42	1.89	3	2
1:A:28:LEU:H	1:A:28:LEU:CD2	0.42	2.26	9	1
1:B:28:LEU:CD2	1:B:28:LEU:H	0.42	2.27	9	1
1:B:53:VAL:O	1:B:57:ILE:HG13	0.42	2.14	20	3
1:A:47:ASN:C	1:A:49:LYS:H	0.42	2.18	8	1
1:B:14:ILE:O	1:B:17:GLN:HB3	0.42	2.15	11	1
1:A:30:LYS:HA	1:A:58:PHE:CE2	0.42	2.50	12	1
1:A:30:LYS:HB2	1:A:58:PHE:CG	0.42	2.49	14	1
1:A:15:PHE:CE2	1:A:74:PHE:HB3	0.42	2.49	7	1
1:A:14:ILE:O	1:A:17:GLN:HB3	0.42	2.15	11	1
1:A:62:ASP:HA	1:A:73:GLU:OE1	0.42	2.15	18	1
1:A:85:ALA:CB	1:B:12:VAL:HG21	0.42	2.44	18	1
1:B:30:LYS:HB2	1:B:58:PHE:CD2	0.42	2.50	14	1
1:A:53:VAL:O	1:A:57:ILE:HG13	0.42	2.14	20	2
1:B:42:ALA:HA	1:B:48:ILE:HG21	0.42	1.91	16	1
1:B:58:PHE:CE1	1:B:69:VAL:HG23	0.42	2.50	1	1
1:A:72:GLN:HB2	1:B:83:LYS:NZ	0.42	2.30	3	1
1:A:57:ILE:CG2	1:A:77:LEU:HD23	0.42	2.45	18	2
1:B:57:ILE:CG2	1:B:77:LEU:HD23	0.42	2.45	18	2
1:B:30:LYS:HB2	1:B:58:PHE:CG	0.42	2.49	14	1
1:B:33:LEU:HD11	1:B:77:LEU:HD13	0.42	1.91	17	1
1:B:55:ASP:O	1:B:59:GLN:HG3	0.41	2.15	7	1
1:A:37:LEU:HB3	1:A:48:ILE:CG1	0.41	2.45	9	2
1:B:30:LYS:HA	1:B:58:PHE:CE2	0.41	2.50	12	1
1:B:62:ASP:HA	1:B:73:GLU:OE1	0.41	2.15	18	1
1:B:77:LEU:HD13	1:B:77:LEU:C	0.41	2.35	8	1
1:A:28:LEU:H	1:A:28:LEU:HD23	0.41	1.75	9	1
1:A:84:ALA:O	1:A:88:HIS:HA	0.41	2.15	1	1
1:B:37:LEU:HB3	1:B:48:ILE:CG1	0.41	2.45	9	1
1:B:45:ILE:HG21	1:B:57:ILE:HD11	0.41	1.91	12	1
1:A:30:LYS:HB2	1:A:58:PHE:CD2	0.41	2.50	14	1
1:A:12:VAL:HG21	1:B:85:ALA:CB	0.41	2.44	18	1
1:B:84:ALA:O	1:B:88:HIS:HA	0.41	2.15	1	1
1:B:77:LEU:O	1:B:77:LEU:HD22	0.41	2.16	18	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:55:ASP:O	1:A:59:GLN:HG3	0.41	2.15	7	1
1:A:88:HIS:C	1:A:90:HIS:H	0.41	2.20	4	1
1:A:77:LEU:C	1:A:77:LEU:HD13	0.41	2.35	8	1
1:A:45:ILE:HG21	1:A:57:ILE:HD11	0.41	1.91	12	1
1:A:58:PHE:CE1	1:A:69:VAL:HG23	0.41	2.50	1	1
1:A:77:LEU:O	1:A:77:LEU:HD22	0.41	2.16	18	1
1:A:44:THR:HG21	1:B:8:LEU:HD12	0.41	1.93	19	1
1:B:47:ASN:C	1:B:49:LYS:H	0.40	2.18	8	1
1:A:30:LYS:HE2	1:A:58:PHE:CD2	0.40	2.52	17	1
1:B:77:LEU:C	1:B:77:LEU:HD13	0.40	2.36	10	1
1:B:39:LYS:HG3	1:B:40:GLU:OE1	0.40	2.16	8	1
1:B:28:LEU:H	1:B:28:LEU:HD23	0.40	1.75	9	1
1:A:11:ILE:O	1:A:14:ILE:HG22	0.40	2.16	10	1
1:A:79:ALA:CB	1:B:75:ILE:HG23	0.40	2.47	9	1

6.3 Torsion angles ⓘ

6.3.1 Protein backbone ⓘ

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	76/92 (83%)	70±2 (92±2%)	5±2 (6±2%)	2±0 (2±1%)	8	47
1	B	76/92 (83%)	70±2 (92±2%)	5±2 (6±2%)	2±0 (2±1%)	8	47
All	All	3040/3680 (83%)	2791 (92%)	183 (6%)	66 (2%)	8	47

All 6 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	88	HIS	20
1	B	88	HIS	20
1	A	90	HIS	12
1	B	90	HIS	12
1	A	28	LEU	1
1	B	28	LEU	1

6.3.2 Protein sidechains ⓘ

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	66/81 (81%)	61±1 (92±2%)	5±1 (8±2%)	12	61
1	B	66/81 (81%)	60±1 (92±2%)	6±1 (8±2%)	11	60
All	All	2640/3240 (81%)	2421 (92%)	219 (8%)	12	60

All 43 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	61	LEU	18
1	B	61	LEU	18
1	A	46	LYS	16
1	B	46	LYS	16
1	A	49	LYS	11
1	A	75	ILE	11
1	B	49	LYS	11
1	B	75	ILE	11
1	A	83	LYS	9
1	B	83	LYS	9
1	A	51	LYS	7
1	B	51	LYS	7
1	A	5	GLU	5
1	B	5	GLU	5
1	A	39	LYS	5
1	B	39	LYS	5
1	B	55	ASP	5
1	A	55	ASP	4
1	B	50	ASP	3
1	A	64	ASN	3
1	B	64	ASN	3
1	A	44	THR	3
1	B	44	THR	3
1	A	6	GLU	3
1	B	6	GLU	3
1	A	7	HIS	2
1	B	7	HIS	2
1	A	17	GLN	2

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Mol	Chain	Res	Type	Models (Total)
1	A	59	GLN	2
1	B	17	GLN	2
1	B	59	GLN	2
1	A	50	ASP	2
1	A	73	GLU	1
1	B	73	GLU	1
1	B	76	SER	1
1	A	32	GLU	1
1	B	32	GLU	1
1	A	90	HIS	1
1	B	90	HIS	1
1	A	72	GLN	1
1	B	72	GLN	1
1	A	47	ASN	1
1	B	47	ASN	1

6.3.3 RNA ⓘ

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 [i](#)

The completeness of assignment taking into account all chemical shift lists is 37% for the well-defined parts and 32% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping [i](#)

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	824
Number of shifts mapped to atoms	824
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.1.2 Chemical shift referencing [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	79	-0.65 ± 0.15	Should be checked
$^{13}\text{C}_\beta$	75	0.19 ± 0.14	None needed (< 0.5 ppm)
$^{13}\text{C}'$	75	-0.23 ± 0.12	None needed (< 0.5 ppm)
^{15}N	75	1.42 ± 0.39	Should be applied

7.1.3 Completeness of resonance assignments [i](#)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 37%, i.e. 791 atoms were assigned a chemical shift out of a possible 2140. 0 out of 26 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	362/766 (47%)	144/310 (46%)	147/304 (48%)	71/152 (47%)
Sidechain	429/1196 (36%)	294/776 (38%)	135/386 (35%)	0/34 (0%)

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	Total	¹ H	¹³ C	¹⁵ N
Aromatic	0/178 (0%)	0/88 (0%)	0/70 (0%)	0/20 (0%)
Overall	791/2140 (37%)	438/1174 (37%)	282/760 (37%)	71/206 (34%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 32%, i.e. 824 atoms were assigned a chemical shift out of a possible 2606. 0 out of 30 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	379/928 (41%)	150/376 (40%)	154/368 (42%)	75/184 (41%)
Sidechain	445/1446 (31%)	303/936 (32%)	142/464 (31%)	0/46 (0%)
Aromatic	0/232 (0%)	0/114 (0%)	0/94 (0%)	0/24 (0%)
Overall	824/2606 (32%)	453/1426 (32%)	296/926 (32%)	75/254 (30%)

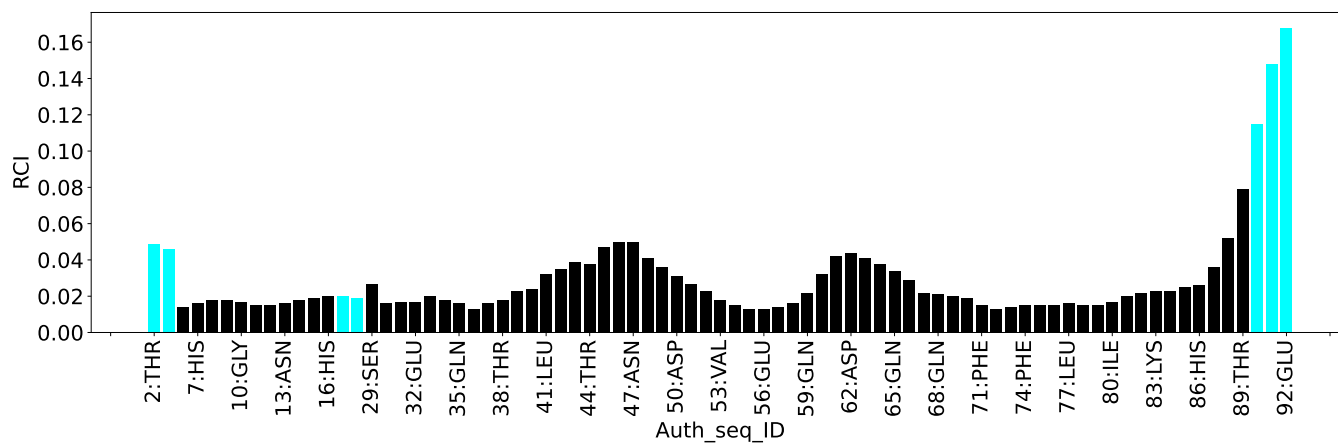
7.1.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

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

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

Random coil index (RCI) for chain A:



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	4122
Intra-residue ($ i-j =0$)	1186
Sequential ($ i-j =1$)	810
Medium range ($ i-j >1$ and $ i-j <5$)	1052
Long range ($ i-j \geq 5$)	632
Inter-chain	298
Hydrogen bond restraints	144
Disulfide bond restraints	0
Total dihedral-angle restraints	288
Number of unmapped restraints	0
Number of restraints per residue	24.0
Number of long range restraints per residue ¹	3.4

¹Long 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)	145.8	0.2
0.2-0.5 (Medium)	345.9	0.5
>0.5 (Large)	407.4	3.4

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	12.0	5.31
10.0-20.0 (Medium)	2.0	14.72
>20.0 (Large)	None	None

9 Distance violation analysis ⓘ

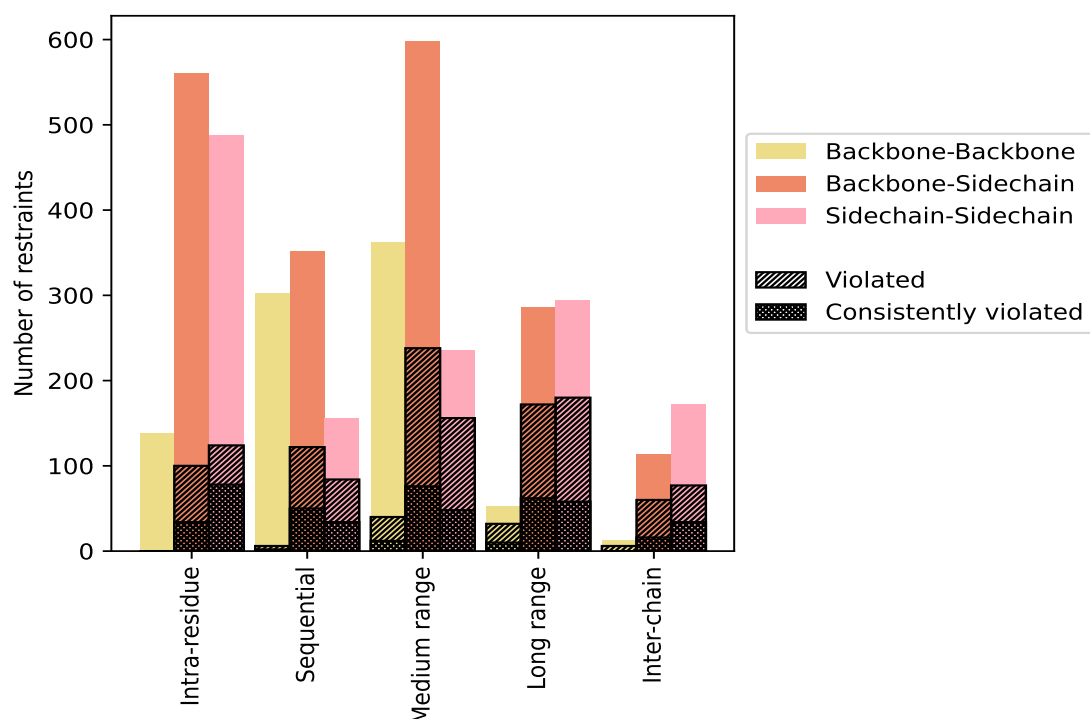
9.1 Summary of distance violations ⓘ

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 ($i-j =0$)	1186	28.8	224	18.9	5.4	112	9.4	2.7
Backbone-Backbone	138	3.3	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	560	13.6	100	17.9	2.4	34	6.1	0.8
Sidechain-Sidechain	488	11.8	124	25.4	3.0	78	16.0	1.9
Sequential ($i-j =1$)	810	19.7	212	26.2	5.1	86	10.6	2.1
Backbone-Backbone	302	7.3	6	2.0	0.1	2	0.7	0.0
Backbone-Sidechain	352	8.5	122	34.7	3.0	50	14.2	1.2
Sidechain-Sidechain	156	3.8	84	53.8	2.0	34	21.8	0.8
Medium range ($i-j >1$ & $i-j <5$)	1052	25.5	416	39.5	10.1	136	12.9	3.3
Backbone-Backbone	362	8.8	40	11.0	1.0	12	3.3	0.3
Backbone-Sidechain	454	11.0	220	48.5	5.3	76	16.7	1.8
Sidechain-Sidechain	236	5.7	156	66.1	3.8	48	20.3	1.2
Long range ($i-j \geq 5$)	632	15.3	384	60.8	9.3	130	20.6	3.2
Backbone-Backbone	52	1.3	32	61.5	0.8	10	19.2	0.2
Backbone-Sidechain	286	6.9	172	60.1	4.2	62	21.7	1.5
Sidechain-Sidechain	294	7.1	180	61.2	4.4	58	19.7	1.4
Inter-chain	298	7.2	143	48.0	3.5	50	16.8	1.2
Backbone-Backbone	12	0.3	6	50.0	0.1	0	0.0	0.0
Backbone-Sidechain	114	2.8	60	52.6	1.5	16	14.0	0.4
Sidechain-Sidechain	172	4.2	77	44.8	1.9	34	19.8	0.8
Hydrogen bond	144	3.5	18	12.5	0.4	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	4122	100.0	1397	33.9	33.9	514	12.5	12.5
Backbone-Backbone	866	21.0	84	9.7	2.0	24	2.8	0.6
Backbone-Sidechain	1910	46.3	692	36.2	16.8	238	12.5	5.8
Sidechain-Sidechain	1346	32.7	621	46.1	15.1	252	18.7	6.1

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 [i](#)



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 [i](#)

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	154	160	272	184	110	880	0.61	2.52	0.47	0.48
2	164	157	292	188	110	911	0.61	2.72	0.47	0.46
3	150	161	292	184	110	897	0.61	2.58	0.49	0.45
4	156	162	292	180	106	896	0.6	2.69	0.47	0.45
5	162	169	290	190	102	913	0.59	2.52	0.46	0.44
6	160	172	287	180	118	917	0.61	2.55	0.47	0.47
7	156	164	314	164	99	897	0.63	2.68	0.48	0.48
8	154	167	296	193	100	910	0.59	2.65	0.46	0.44
9	156	170	278	170	96	870	0.6	2.56	0.47	0.44
10	149	148	303	206	114	920	0.61	2.69	0.48	0.45

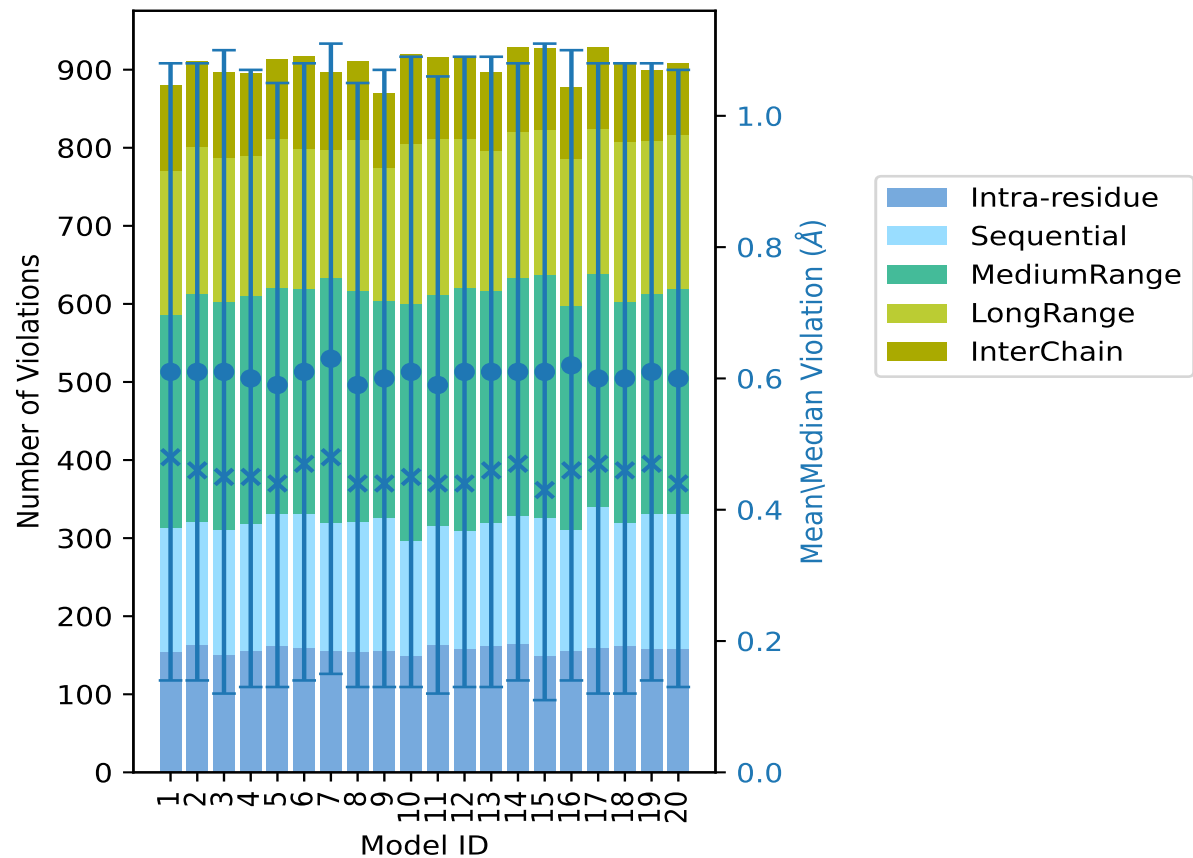
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	163	152	297	200	104	916	0.59	2.8	0.47	0.44
12	158	152	310	192	104	916	0.61	2.78	0.48	0.44
13	162	158	297	180	100	897	0.61	3.4	0.48	0.46
14	164	165	305	186	108	928	0.61	3.07	0.47	0.47
15	149	178	310	186	104	927	0.61	3.26	0.5	0.43
16	155	156	287	188	92	878	0.62	2.65	0.48	0.46
17	160	180	299	186	104	929	0.6	2.75	0.48	0.47
18	162	157	283	206	102	910	0.6	2.38	0.48	0.46
19	159	172	282	196	90	899	0.61	2.51	0.47	0.47
20	158	173	289	196	92	908	0.6	2.54	0.47	0.44

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

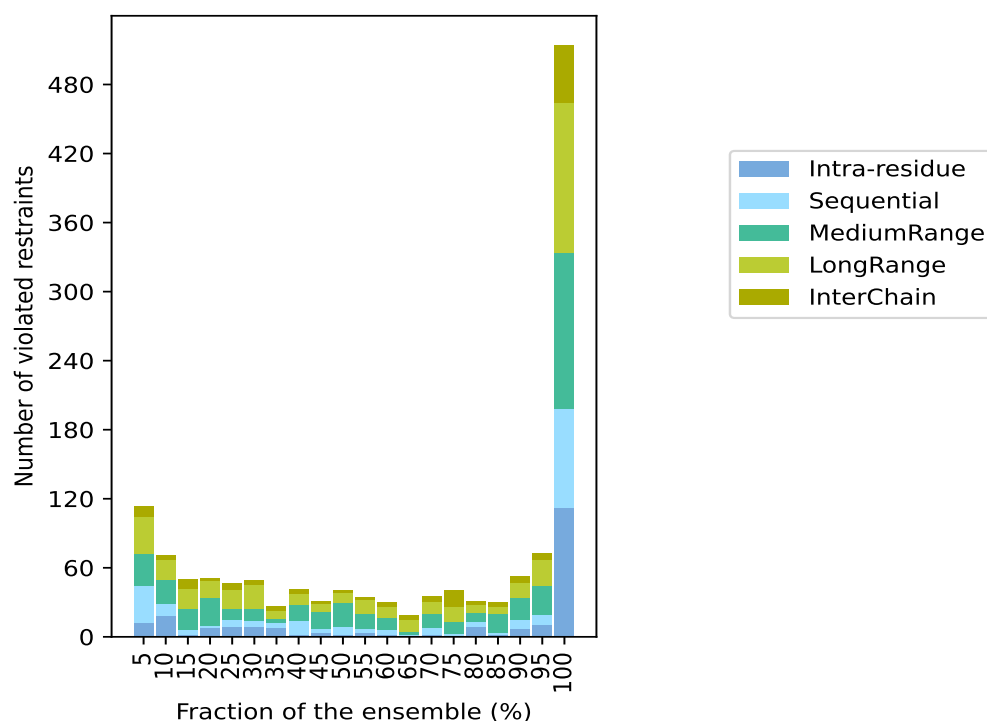
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 2599(IR:962, SQ:598, MR:636, LR:248, IC:155) restraints are 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	%
12	33	27	32	9	113	1	5.0
18	11	21	17	4	71	2	10.0
2	4	18	18	8	50	3	15.0
8	2	24	15	2	51	4	20.0
9	6	9	17	6	47	5	25.0
9	5	11	20	4	49	6	30.0
8	4	4	7	4	27	7	35.0
2	12	14	9	4	41	8	40.0
4	3	15	7	2	31	9	45.0
2	7	21	8	2	40	10	50.0
4	3	13	12	2	34	11	55.0
2	4	11	9	4	30	12	60.0
0	2	2	11	4	19	13	65.0
2	6	12	10	5	35	14	70.0
1	2	10	13	14	40	15	75.0
9	4	8	7	3	31	16	80.0
2	2	16	6	4	30	17	85.0
7	8	19	13	6	53	18	90.0
11	8	25	23	6	73	19	95.0
112	86	136	130	50	514	20	100.0

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

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

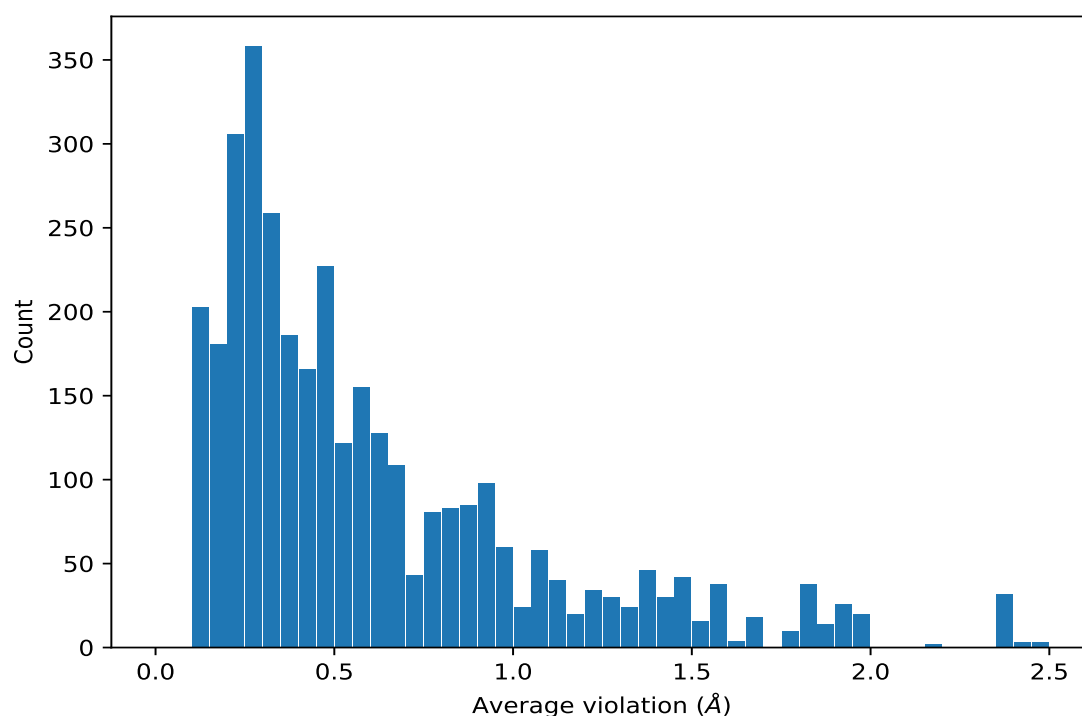
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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



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

The following table provides the mean and the standard deviation of the violation 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)
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD13	20	2.45	0.14	2.44
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD12	20	2.45	0.14	2.44
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD11	20	2.45	0.14	2.44
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD13	20	2.44	0.14	2.45
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD12	20	2.44	0.14	2.45
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD11	20	2.44	0.14	2.45
(1,1721)	1:37:A:LEU:HD13	1:8:B:LEU:HD13	20	2.39	0.28	2.5
(1,1721)	1:37:A:LEU:HD13	1:8:B:LEU:HD12	20	2.39	0.28	2.5
(1,1721)	1:37:A:LEU:HD11	1:8:B:LEU:HD11	20	2.39	0.28	2.5
(1,1721)	1:37:A:LEU:HD11	1:8:B:LEU:HD12	20	2.39	0.28	2.5
(1,1721)	1:37:A:LEU:HD12	1:8:B:LEU:HD12	20	2.39	0.28	2.5
(1,1721)	1:37:A:LEU:HD13	1:8:B:LEU:HD11	20	2.39	0.28	2.5
(1,1721)	1:37:A:LEU:HD12	1:8:B:LEU:HD13	20	2.39	0.28	2.5
(1,1721)	1:37:A:LEU:HD12	1:8:B:LEU:HD11	20	2.39	0.28	2.5
(1,1721)	1:37:A:LEU:HD11	1:8:B:LEU:HD13	20	2.39	0.28	2.5
(1,1722)	1:37:B:LEU:HD13	1:8:A:LEU:HD13	20	2.39	0.29	2.5

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1722)	1:37:B:LEU:HD13	1:8:A:LEU:HD12	20	2.39	0.29	2.5
(1,1722)	1:37:B:LEU:HD11	1:8:A:LEU:HD11	20	2.39	0.29	2.5
(1,1722)	1:37:B:LEU:HD11	1:8:A:LEU:HD12	20	2.39	0.29	2.5
(1,1722)	1:37:B:LEU:HD12	1:8:A:LEU:HD12	20	2.39	0.29	2.5
(1,1722)	1:37:B:LEU:HD13	1:8:A:LEU:HD11	20	2.39	0.29	2.5
(1,1722)	1:37:B:LEU:HD12	1:8:A:LEU:HD13	20	2.39	0.29	2.5
(1,1722)	1:37:B:LEU:HD12	1:8:A:LEU:HD11	20	2.39	0.29	2.5
(1,1722)	1:37:B:LEU:HD11	1:8:A:LEU:HD13	20	2.39	0.29	2.5
(1,3749)	1:74:A:PHE:H	1:12:A:VAL:HG23	20	2.36	0.15	2.36
(1,3749)	1:74:A:PHE:H	1:12:A:VAL:HG22	20	2.36	0.15	2.36
(1,3749)	1:74:A:PHE:H	1:80:A:ILE:HD11	20	2.36	0.15	2.36
(1,3749)	1:74:A:PHE:H	1:12:A:VAL:HG21	20	2.36	0.15	2.36
(1,3749)	1:74:A:PHE:H	1:57:A:ILE:HG21	20	2.36	0.15	2.36
(1,3749)	1:74:A:PHE:H	1:57:A:ILE:HG22	20	2.36	0.15	2.36
(1,3749)	1:74:A:PHE:H	1:57:A:ILE:HG23	20	2.36	0.15	2.36
(1,3750)	1:74:B:PHE:H	1:12:B:VAL:HG23	20	2.36	0.15	2.37
(1,3750)	1:74:B:PHE:H	1:12:B:VAL:HG22	20	2.36	0.15	2.37
(1,3750)	1:74:B:PHE:H	1:80:B:ILE:HD11	20	2.36	0.15	2.37
(1,3750)	1:74:B:PHE:H	1:12:B:VAL:HG21	20	2.36	0.15	2.37
(1,3750)	1:74:B:PHE:H	1:57:B:ILE:HG21	20	2.36	0.15	2.37
(1,3750)	1:74:B:PHE:H	1:57:B:ILE:HG22	20	2.36	0.15	2.37
(1,3750)	1:74:B:PHE:H	1:57:B:ILE:HG23	20	2.36	0.15	2.37
(1,477)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	20	2.15	0.62	2.21
(1,478)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	20	2.15	0.62	2.18
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD13	20	1.99	0.26	2.02
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD12	20	1.99	0.26	2.02
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD11	20	1.99	0.26	2.02
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD13	20	1.99	0.26	2.02
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD12	20	1.99	0.26	2.02
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD11	20	1.99	0.26	2.02
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD13	20	1.99	0.25	2.01
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD12	20	1.99	0.25	2.01
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD11	20	1.99	0.25	2.01
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD13	20	1.99	0.25	2.01
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD12	20	1.99	0.25	2.01
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD11	20	1.99	0.25	2.01
(1,1706)	1:8:B:LEU:HD13	1:36:A:LEU:HG	20	1.98	0.25	2.02
(1,1706)	1:8:B:LEU:HD13	1:33:A:LEU:HD12	20	1.98	0.25	2.02
(1,1706)	1:8:B:LEU:HD12	1:36:A:LEU:HG	20	1.98	0.25	2.02
(1,1706)	1:8:B:LEU:HD11	1:36:A:LEU:HG	20	1.98	0.25	2.02
(1,1705)	1:8:A:LEU:HD13	1:36:B:LEU:HG	20	1.98	0.24	2.01
(1,1705)	1:8:A:LEU:HD13	1:33:B:LEU:HD12	20	1.98	0.24	2.01

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1705)	1:8:A:LEU:HD12	1:36:B:LEU:HG	20	1.98	0.24	2.01
(1,1705)	1:8:A:LEU:HD11	1:36:B:LEU:HG	20	1.98	0.24	2.01
(1,3227)	1:78:A:VAL:HG11	1:80:A:ILE:HG23	20	1.91	0.17	1.91
(1,3227)	1:78:A:VAL:HG12	1:80:A:ILE:HG21	20	1.91	0.17	1.91
(1,3227)	1:78:A:VAL:HG13	1:80:A:ILE:HG23	20	1.91	0.17	1.91
(1,3227)	1:78:A:VAL:HG11	1:80:A:ILE:HG21	20	1.91	0.17	1.91
(1,3227)	1:78:A:VAL:HG12	1:80:A:ILE:HG22	20	1.91	0.17	1.91
(1,3227)	1:78:A:VAL:HG12	1:80:A:ILE:HG23	20	1.91	0.17	1.91
(1,3227)	1:78:A:VAL:HG13	1:80:A:ILE:HG21	20	1.91	0.17	1.91
(1,3227)	1:78:A:VAL:HG13	1:80:A:ILE:HG22	20	1.91	0.17	1.91
(1,3227)	1:78:A:VAL:HG11	1:80:A:ILE:HG22	20	1.91	0.17	1.91
(1,3228)	1:78:B:VAL:HG11	1:80:B:ILE:HG23	20	1.91	0.17	1.9
(1,3228)	1:78:B:VAL:HG12	1:80:B:ILE:HG21	20	1.91	0.17	1.9
(1,3228)	1:78:B:VAL:HG13	1:80:B:ILE:HG23	20	1.91	0.17	1.9
(1,3228)	1:78:B:VAL:HG11	1:80:B:ILE:HG21	20	1.91	0.17	1.9
(1,3228)	1:78:B:VAL:HG12	1:80:B:ILE:HG22	20	1.91	0.17	1.9
(1,3228)	1:78:B:VAL:HG12	1:80:B:ILE:HG23	20	1.91	0.17	1.9
(1,3228)	1:78:B:VAL:HG13	1:80:B:ILE:HG21	20	1.91	0.17	1.9
(1,3228)	1:78:B:VAL:HG13	1:80:B:ILE:HG22	20	1.91	0.17	1.9
(1,3228)	1:78:B:VAL:HG11	1:80:B:ILE:HG22	20	1.91	0.17	1.9
(1,851)	1:78:A:VAL:HG12	1:80:A:ILE:HD13	20	1.91	0.05	1.9
(1,851)	1:78:A:VAL:HG13	1:80:A:ILE:HD12	20	1.91	0.05	1.9
(1,851)	1:78:A:VAL:HG13	1:80:A:ILE:HD11	20	1.91	0.05	1.9
(1,851)	1:78:A:VAL:HG11	1:80:A:ILE:HD12	20	1.91	0.05	1.9
(1,851)	1:78:A:VAL:HG12	1:80:A:ILE:HD11	20	1.91	0.05	1.9
(1,851)	1:78:A:VAL:HG12	1:80:A:ILE:HD12	20	1.91	0.05	1.9
(1,851)	1:78:A:VAL:HG13	1:80:A:ILE:HD13	20	1.91	0.05	1.9
(1,851)	1:78:A:VAL:HG11	1:80:A:ILE:HD11	20	1.91	0.05	1.9
(1,852)	1:78:B:VAL:HG12	1:80:B:ILE:HD13	20	1.9	0.05	1.9
(1,852)	1:78:B:VAL:HG13	1:80:B:ILE:HD12	20	1.9	0.05	1.9
(1,852)	1:78:B:VAL:HG13	1:80:B:ILE:HD11	20	1.9	0.05	1.9
(1,852)	1:78:B:VAL:HG11	1:80:B:ILE:HD12	20	1.9	0.05	1.9
(1,852)	1:78:B:VAL:HG12	1:80:B:ILE:HD11	20	1.9	0.05	1.9
(1,852)	1:78:B:VAL:HG12	1:80:B:ILE:HD12	20	1.9	0.05	1.9
(1,852)	1:78:B:VAL:HG13	1:80:B:ILE:HD13	20	1.9	0.05	1.9
(1,852)	1:78:B:VAL:HG11	1:80:B:ILE:HD11	20	1.9	0.05	1.9
(1,829)	1:80:A:ILE:HD13	1:75:B:ILE:HG13	20	1.89	0.53	2.08
(1,829)	1:80:A:ILE:HD12	1:75:B:ILE:HG13	20	1.89	0.53	2.08
(1,829)	1:80:A:ILE:HD11	1:75:B:ILE:HG13	20	1.89	0.53	2.08
(1,830)	1:80:B:ILE:HD13	1:75:A:ILE:HG13	20	1.89	0.53	2.1
(1,830)	1:80:B:ILE:HD12	1:75:A:ILE:HG13	20	1.89	0.53	2.1
(1,830)	1:80:B:ILE:HD11	1:75:A:ILE:HG13	20	1.89	0.53	2.1

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2439)	1:37:A:LEU:HD11	1:35:A:GLN:HB3	20	1.84	0.48	1.76
(1,2439)	1:37:A:LEU:HD12	1:35:A:GLN:HB3	20	1.84	0.48	1.76
(1,2439)	1:37:A:LEU:HD12	1:35:A:GLN:HG3	20	1.84	0.48	1.76
(1,2439)	1:37:A:LEU:HD13	1:35:A:GLN:HB3	20	1.84	0.48	1.76
(1,2439)	1:37:A:LEU:HD13	1:35:A:GLN:HG3	20	1.84	0.48	1.76
(1,2440)	1:37:B:LEU:HD11	1:35:B:GLN:HB3	20	1.84	0.48	1.75
(1,2440)	1:37:B:LEU:HD12	1:35:B:GLN:HB3	20	1.84	0.48	1.75
(1,2440)	1:37:B:LEU:HD12	1:35:B:GLN:HG3	20	1.84	0.48	1.75
(1,2440)	1:37:B:LEU:HD13	1:35:B:GLN:HB3	20	1.84	0.48	1.75
(1,2440)	1:37:B:LEU:HD13	1:35:B:GLN:HG3	20	1.84	0.48	1.75
(1,2323)	1:37:A:LEU:HD11	1:35:A:GLN:HB2	20	1.81	0.34	1.84
(1,2323)	1:37:A:LEU:HD12	1:35:A:GLN:HB2	20	1.81	0.34	1.84
(1,2323)	1:37:A:LEU:HD12	1:30:A:LYS:HE3	20	1.81	0.34	1.84
(1,2323)	1:37:A:LEU:HD13	1:35:A:GLN:HB2	20	1.81	0.34	1.84
(1,2323)	1:37:A:LEU:HD11	1:30:A:LYS:HE2	20	1.81	0.34	1.84
(1,2323)	1:37:A:LEU:HD11	1:30:A:LYS:HE3	20	1.81	0.34	1.84
(1,2323)	1:37:A:LEU:HD12	1:30:A:LYS:HE2	20	1.81	0.34	1.84
(1,2323)	1:37:A:LEU:HD13	1:30:A:LYS:HE3	20	1.81	0.34	1.84
(1,2324)	1:37:B:LEU:HD11	1:35:B:GLN:HB2	20	1.81	0.34	1.85
(1,2324)	1:37:B:LEU:HD12	1:35:B:GLN:HB2	20	1.81	0.34	1.85
(1,2324)	1:37:B:LEU:HD12	1:30:B:LYS:HE3	20	1.81	0.34	1.85
(1,2324)	1:37:B:LEU:HD13	1:35:B:GLN:HB2	20	1.81	0.34	1.85
(1,2324)	1:37:B:LEU:HD11	1:30:B:LYS:HE2	20	1.81	0.34	1.85
(1,2324)	1:37:B:LEU:HD11	1:30:B:LYS:HE3	20	1.81	0.34	1.85
(1,2324)	1:37:B:LEU:HD12	1:30:B:LYS:HE2	20	1.81	0.34	1.85
(1,2324)	1:37:B:LEU:HD13	1:30:B:LYS:HE3	20	1.81	0.34	1.85
(1,1839)	1:62:A:ASP:H	1:80:A:ILE:HD12	20	1.8	0.06	1.81
(1,1839)	1:62:A:ASP:H	1:80:A:ILE:HD11	20	1.8	0.06	1.81
(1,1839)	1:80:A:ILE:HD11	1:75:A:ILE:H	20	1.8	0.06	1.81
(1,1839)	1:62:A:ASP:H	1:80:A:ILE:HD13	20	1.8	0.06	1.81
(1,1839)	1:80:A:ILE:HD13	1:75:A:ILE:H	20	1.8	0.06	1.81
(1,1839)	1:80:A:ILE:HD12	1:75:A:ILE:H	20	1.8	0.06	1.81
(1,1840)	1:62:B:ASP:H	1:80:B:ILE:HD12	20	1.8	0.06	1.82
(1,1840)	1:62:B:ASP:H	1:80:B:ILE:HD11	20	1.8	0.06	1.82
(1,1840)	1:80:B:ILE:HD11	1:75:B:ILE:H	20	1.8	0.06	1.82
(1,1840)	1:62:B:ASP:H	1:80:B:ILE:HD13	20	1.8	0.06	1.82
(1,1840)	1:80:B:ILE:HD13	1:75:B:ILE:H	20	1.8	0.06	1.82
(1,1840)	1:80:B:ILE:HD12	1:75:B:ILE:H	20	1.8	0.06	1.82
(1,2728)	1:75:B:ILE:HG23	1:91:A:LYS:HD3	20	1.77	0.59	2.08
(1,2728)	1:75:B:ILE:HG23	1:61:B:LEU:HB2	20	1.77	0.59	2.08
(1,2728)	1:75:B:ILE:HG22	1:91:A:LYS:HD3	20	1.77	0.59	2.08
(1,2728)	1:75:B:ILE:HG21	1:91:A:LYS:HD3	20	1.77	0.59	2.08

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2728)	1:75:B:ILE:HG21	1:61:B:LEU:HB2	20	1.77	0.59	2.08
(1,2727)	1:75:A:ILE:HG23	1:91:B:LYS:HD3	20	1.77	0.59	2.07
(1,2727)	1:75:A:ILE:HG23	1:61:A:LEU:HB2	20	1.77	0.59	2.07
(1,2727)	1:75:A:ILE:HG22	1:91:B:LYS:HD3	20	1.77	0.59	2.07
(1,2727)	1:75:A:ILE:HG21	1:91:B:LYS:HD3	20	1.77	0.59	2.07
(1,2727)	1:75:A:ILE:HG21	1:61:A:LEU:HB2	20	1.77	0.59	2.07
(1,2822)	1:89:B:THR:HG23	1:46:B:LYS:HG2	20	1.7	0.48	1.6
(1,2822)	1:89:B:THR:HG21	1:46:B:LYS:HG2	20	1.7	0.48	1.6
(1,2822)	1:89:B:THR:HG22	1:46:B:LYS:HG2	20	1.7	0.48	1.6
(1,2822)	1:89:B:THR:HG21	1:84:B:ALA:HB1	20	1.7	0.48	1.6
(1,2821)	1:89:A:THR:HG23	1:46:A:LYS:HG2	20	1.7	0.48	1.6
(1,2821)	1:89:A:THR:HG21	1:46:A:LYS:HG2	20	1.7	0.48	1.6
(1,2821)	1:89:A:THR:HG22	1:46:A:LYS:HG2	20	1.7	0.48	1.6
(1,2821)	1:89:A:THR:HG21	1:84:A:ALA:HB1	20	1.7	0.48	1.6
(1,3176)	1:37:B:LEU:HD11	1:33:B:LEU:HB2	20	1.7	0.06	1.72
(1,3176)	1:37:B:LEU:HD12	1:33:B:LEU:HB2	20	1.7	0.06	1.72
(1,3176)	1:37:B:LEU:HD13	1:33:B:LEU:HB2	20	1.7	0.06	1.72
(1,3175)	1:37:A:LEU:HD11	1:33:A:LEU:HB2	20	1.7	0.06	1.72
(1,3175)	1:37:A:LEU:HD12	1:33:A:LEU:HB2	20	1.7	0.06	1.72
(1,3175)	1:37:A:LEU:HD13	1:33:A:LEU:HB2	20	1.7	0.06	1.72
(1,3258)	1:7:B:HIS:H	1:12:B:VAL:H	20	1.69	0.16	1.72
(1,3258)	1:7:B:HIS:H	1:7:A:HIS:H	20	1.69	0.16	1.72
(1,3257)	1:7:A:HIS:H	1:12:A:VAL:H	20	1.69	0.16	1.72
(1,3257)	1:7:A:HIS:H	1:7:B:HIS:H	20	1.69	0.16	1.72
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE2	20	1.6	0.16	1.56
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE3	20	1.6	0.16	1.56
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE2	20	1.6	0.16	1.57
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE3	20	1.6	0.16	1.57
(1,2897)	1:39:A:LYS:HG3	1:37:A:LEU:HB2	20	1.59	0.13	1.61
(1,2898)	1:39:B:LYS:HG3	1:37:B:LEU:HB2	20	1.59	0.13	1.61
(1,2733)	1:51:A:LYS:HD3	1:31:A:GLY:HA3	20	1.57	0.45	1.6
(1,2734)	1:51:B:LYS:HD3	1:31:B:GLY:HA3	20	1.57	0.45	1.6
(1,2203)	1:84:A:ALA:HB1	1:87:A:TYR:HB3	20	1.55	0.35	1.58
(1,2203)	1:52:A:ALA:HB3	1:51:A:LYS:HE2	20	1.55	0.35	1.58
(1,2203)	1:52:A:ALA:HB1	1:51:A:LYS:HE2	20	1.55	0.35	1.58
(1,2203)	1:52:A:ALA:HB2	1:51:A:LYS:HE2	20	1.55	0.35	1.58
(1,2203)	1:52:A:ALA:HB3	1:46:A:LYS:HE3	20	1.55	0.35	1.58
(1,2203)	1:84:A:ALA:HB3	1:87:A:TYR:HB3	20	1.55	0.35	1.58
(1,2203)	1:84:A:ALA:HB2	1:87:A:TYR:HB3	20	1.55	0.35	1.58
(1,2203)	1:52:A:ALA:HB2	1:46:A:LYS:HE3	20	1.55	0.35	1.58
(1,2203)	1:52:A:ALA:HB1	1:46:A:LYS:HE3	20	1.55	0.35	1.58
(1,2204)	1:84:B:ALA:HB1	1:87:B:TYR:HB3	20	1.55	0.35	1.58

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2204)	1:52:B:ALA:HB3	1:51:B:LYS:HE2	20	1.55	0.35	1.58
(1,2204)	1:52:B:ALA:HB1	1:51:B:LYS:HE2	20	1.55	0.35	1.58
(1,2204)	1:52:B:ALA:HB2	1:51:B:LYS:HE2	20	1.55	0.35	1.58
(1,2204)	1:52:B:ALA:HB3	1:46:B:LYS:HE3	20	1.55	0.35	1.58
(1,2204)	1:84:B:ALA:HB3	1:87:B:TYR:HB3	20	1.55	0.35	1.58
(1,2204)	1:84:B:ALA:HB2	1:87:B:TYR:HB3	20	1.55	0.35	1.58
(1,2204)	1:52:B:ALA:HB2	1:46:B:LYS:HE3	20	1.55	0.35	1.58
(1,2204)	1:52:B:ALA:HB1	1:46:B:LYS:HE3	20	1.55	0.35	1.58
(1,3815)	1:33:A:LEU:H	1:37:A:LEU:HD11	20	1.51	0.11	1.5
(1,3815)	1:33:A:LEU:H	1:37:A:LEU:HD12	20	1.51	0.11	1.5
(1,3815)	1:33:A:LEU:H	1:37:A:LEU:HD13	20	1.51	0.11	1.5
(1,3815)	1:33:A:LEU:H	1:54:A:ILE:HG22	20	1.51	0.11	1.5
(1,3815)	1:33:A:LEU:H	1:36:A:LEU:HD12	20	1.51	0.11	1.5
(1,3815)	1:33:A:LEU:H	1:54:A:ILE:HG21	20	1.51	0.11	1.5
(1,3815)	1:33:A:LEU:H	1:36:A:LEU:HD11	20	1.51	0.11	1.5
(1,3816)	1:33:B:LEU:H	1:37:B:LEU:HD11	20	1.51	0.11	1.5
(1,3816)	1:33:B:LEU:H	1:37:B:LEU:HD12	20	1.51	0.11	1.5
(1,3816)	1:33:B:LEU:H	1:37:B:LEU:HD13	20	1.51	0.11	1.5
(1,3816)	1:33:B:LEU:H	1:54:B:ILE:HG22	20	1.51	0.11	1.5
(1,3816)	1:33:B:LEU:H	1:36:B:LEU:HD12	20	1.51	0.11	1.5
(1,3816)	1:33:B:LEU:H	1:54:B:ILE:HG21	20	1.51	0.11	1.5
(1,3816)	1:33:B:LEU:H	1:36:B:LEU:HD11	20	1.51	0.11	1.5
(1,249)	1:33:A:LEU:HB2	1:34:A:LYS:HA	20	1.49	0.04	1.5
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG3	20	1.49	0.27	1.38
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG2	20	1.49	0.27	1.38
(1,250)	1:33:B:LEU:HB2	1:34:B:LYS:HA	20	1.49	0.04	1.5
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG3	20	1.49	0.27	1.37
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG2	20	1.49	0.27	1.37
(1,2906)	1:53:B:VAL:HG22	1:54:B:ILE:HD11	20	1.48	0.13	1.48
(1,2906)	1:53:B:VAL:HG22	1:54:B:ILE:HD12	20	1.48	0.13	1.48
(1,2906)	1:53:B:VAL:HG22	1:54:B:ILE:HD13	20	1.48	0.13	1.48
(1,2906)	1:53:B:VAL:HG23	1:54:B:ILE:HD11	20	1.48	0.13	1.48
(1,2906)	1:53:B:VAL:HG23	1:48:B:ILE:HG12	20	1.48	0.13	1.48
(1,2906)	1:53:B:VAL:HG23	1:54:B:ILE:HD12	20	1.48	0.13	1.48
(1,2906)	1:53:B:VAL:HG21	1:54:B:ILE:HD11	20	1.48	0.13	1.48
(1,2906)	1:53:B:VAL:HG21	1:54:B:ILE:HD12	20	1.48	0.13	1.48
(1,2905)	1:53:A:VAL:HG22	1:54:A:ILE:HD11	20	1.48	0.13	1.47
(1,2905)	1:53:A:VAL:HG22	1:54:A:ILE:HD12	20	1.48	0.13	1.47
(1,2905)	1:53:A:VAL:HG22	1:54:A:ILE:HD13	20	1.48	0.13	1.47
(1,2905)	1:53:A:VAL:HG23	1:54:A:ILE:HD11	20	1.48	0.13	1.47
(1,2905)	1:53:A:VAL:HG23	1:48:A:ILE:HG12	20	1.48	0.13	1.47
(1,2905)	1:53:A:VAL:HG23	1:54:A:ILE:HD12	20	1.48	0.13	1.47

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2905)	1:53:A:VAL:HG21	1:54:A:ILE:HD11	20	1.48	0.13	1.47
(1,2905)	1:53:A:VAL:HG21	1:54:A:ILE:HD12	20	1.48	0.13	1.47
(1,3041)	1:44:A:THR:HG23	1:12:B:VAL:HG12	20	1.46	0.25	1.5
(1,3041)	1:44:A:THR:HG22	1:12:B:VAL:HG12	20	1.46	0.25	1.5
(1,3041)	1:44:A:THR:HG23	1:12:B:VAL:HG11	20	1.46	0.25	1.5
(1,3041)	1:44:A:THR:HG21	1:12:B:VAL:HG12	20	1.46	0.25	1.5
(1,3041)	1:44:A:THR:HG23	1:12:B:VAL:HG13	20	1.46	0.25	1.5
(1,3041)	1:44:A:THR:HG21	1:12:B:VAL:HG13	20	1.46	0.25	1.5
(1,3041)	1:44:A:THR:HG22	1:12:B:VAL:HG13	20	1.46	0.25	1.5
(1,3041)	1:44:A:THR:HG22	1:12:B:VAL:HG11	20	1.46	0.25	1.5
(1,3041)	1:44:A:THR:HG21	1:12:B:VAL:HG11	20	1.46	0.25	1.5
(1,2607)	1:33:A:LEU:HB2	1:37:A:LEU:HG	20	1.46	0.1	1.47
(1,3042)	1:44:B:THR:HG23	1:12:A:VAL:HG12	20	1.46	0.24	1.48
(1,3042)	1:44:B:THR:HG22	1:12:A:VAL:HG12	20	1.46	0.24	1.48
(1,3042)	1:44:B:THR:HG23	1:12:A:VAL:HG11	20	1.46	0.24	1.48
(1,3042)	1:44:B:THR:HG21	1:12:A:VAL:HG12	20	1.46	0.24	1.48
(1,3042)	1:44:B:THR:HG23	1:12:A:VAL:HG13	20	1.46	0.24	1.48
(1,3042)	1:44:B:THR:HG21	1:12:A:VAL:HG13	20	1.46	0.24	1.48
(1,3042)	1:44:B:THR:HG22	1:12:A:VAL:HG13	20	1.46	0.24	1.48
(1,3042)	1:44:B:THR:HG22	1:12:A:VAL:HG11	20	1.46	0.24	1.48
(1,3042)	1:44:B:THR:HG21	1:12:A:VAL:HG11	20	1.46	0.24	1.48
(1,2608)	1:33:B:LEU:HB2	1:37:B:LEU:HG	20	1.46	0.1	1.47
(2,140)	1:69:B:VAL:H	1:61:B:LEU:HB3	20	1.45	0.06	1.46
(2,139)	1:69:A:VAL:H	1:61:A:LEU:HB3	20	1.45	0.06	1.46
(1,12)	1:75:B:ILE:HD13	1:83:A:LYS:HB3	20	1.43	0.15	1.48
(1,12)	1:75:B:ILE:HD11	1:83:A:LYS:HB3	20	1.43	0.15	1.48
(1,12)	1:75:B:ILE:HD12	1:83:A:LYS:HB3	20	1.43	0.15	1.48
(1,11)	1:75:A:ILE:HD13	1:83:B:LYS:HB3	20	1.43	0.16	1.48
(1,11)	1:75:A:ILE:HD11	1:83:B:LYS:HB3	20	1.43	0.16	1.48
(1,11)	1:75:A:ILE:HD12	1:83:B:LYS:HB3	20	1.43	0.16	1.48
(1,2915)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	20	1.42	0.26	1.46
(1,2916)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	20	1.42	0.26	1.46
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG12	20	1.42	0.07	1.42
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG11	20	1.42	0.07	1.42
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG13	20	1.42	0.07	1.42
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG12	20	1.42	0.07	1.42
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG11	20	1.42	0.07	1.42
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG13	20	1.42	0.07	1.42
(1,3213)	1:54:A:ILE:HG12	1:45:A:ILE:HD12	20	1.41	0.21	1.44
(1,3213)	1:91:A:LYS:HD2	1:45:A:ILE:HD11	20	1.41	0.21	1.44
(1,3213)	1:54:A:ILE:HG12	1:45:A:ILE:HD13	20	1.41	0.21	1.44
(1,3213)	1:54:A:ILE:HG12	1:45:A:ILE:HD11	20	1.41	0.21	1.44

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3213)	1:30:A:LYS:HG2	1:54:A:ILE:HG12	20	1.41	0.21	1.44
(1,3213)	1:91:A:LYS:HD2	1:45:A:ILE:HD12	20	1.41	0.21	1.44
(1,3213)	1:91:A:LYS:HD2	1:45:A:ILE:HD13	20	1.41	0.21	1.44
(1,3214)	1:54:B:ILE:HG12	1:45:B:ILE:HD12	20	1.41	0.21	1.44
(1,3214)	1:91:B:LYS:HD2	1:45:B:ILE:HD11	20	1.41	0.21	1.44
(1,3214)	1:54:B:ILE:HG12	1:45:B:ILE:HD13	20	1.41	0.21	1.44
(1,3214)	1:54:B:ILE:HG12	1:45:B:ILE:HD11	20	1.41	0.21	1.44
(1,3214)	1:30:B:LYS:HG2	1:54:B:ILE:HG12	20	1.41	0.21	1.44
(1,3214)	1:91:B:LYS:HD2	1:45:B:ILE:HD12	20	1.41	0.21	1.44
(1,3214)	1:91:B:LYS:HD2	1:45:B:ILE:HD13	20	1.41	0.21	1.44
(1,3142)	1:80:B:ILE:HG22	1:91:B:LYS:HB2	20	1.4	0.12	1.42
(1,3142)	1:80:B:ILE:HG23	1:91:B:LYS:HB2	20	1.4	0.12	1.42
(1,3142)	1:48:B:ILE:HG21	1:49:B:LYS:HB2	20	1.4	0.12	1.42
(1,3142)	1:48:B:ILE:HG23	1:49:B:LYS:HB2	20	1.4	0.12	1.42
(1,3142)	1:45:B:ILE:HG23	1:91:B:LYS:HB2	20	1.4	0.12	1.42
(1,3142)	1:48:B:ILE:HG21	1:49:B:LYS:HB3	20	1.4	0.12	1.42
(1,3142)	1:48:B:ILE:HG23	1:49:B:LYS:HB3	20	1.4	0.12	1.42
(1,3142)	1:45:B:ILE:HG21	1:91:B:LYS:HB2	20	1.4	0.12	1.42
(1,3142)	1:45:B:ILE:HG22	1:91:B:LYS:HB2	20	1.4	0.12	1.42
(1,3142)	1:48:B:ILE:HG22	1:49:B:LYS:HB2	20	1.4	0.12	1.42
(1,3141)	1:80:A:ILE:HG22	1:91:A:LYS:HB2	20	1.4	0.12	1.42
(1,3141)	1:80:A:ILE:HG23	1:91:A:LYS:HB2	20	1.4	0.12	1.42
(1,3141)	1:48:A:ILE:HG21	1:49:A:LYS:HB2	20	1.4	0.12	1.42
(1,3141)	1:48:A:ILE:HG23	1:49:A:LYS:HB2	20	1.4	0.12	1.42
(1,3141)	1:45:A:ILE:HG23	1:91:A:LYS:HB2	20	1.4	0.12	1.42
(1,3141)	1:48:A:ILE:HG21	1:49:A:LYS:HB3	20	1.4	0.12	1.42
(1,3141)	1:48:A:ILE:HG23	1:49:A:LYS:HB3	20	1.4	0.12	1.42
(1,3141)	1:45:A:ILE:HG21	1:91:A:LYS:HB2	20	1.4	0.12	1.42
(1,3141)	1:45:A:ILE:HG22	1:91:A:LYS:HB2	20	1.4	0.12	1.42
(1,3141)	1:48:A:ILE:HG22	1:49:A:LYS:HB2	20	1.4	0.12	1.42
(1,2522)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	20	1.4	0.26	1.44
(1,2521)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	20	1.4	0.26	1.44
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD12	20	1.38	0.14	1.38
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD13	20	1.38	0.14	1.38
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD11	20	1.38	0.14	1.38
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD12	20	1.38	0.14	1.38
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD13	20	1.38	0.14	1.38
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD11	20	1.38	0.14	1.38
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD12	20	1.38	0.14	1.38
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD13	20	1.38	0.14	1.38
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD11	20	1.38	0.14	1.38
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD12	20	1.38	0.14	1.38

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD13	20	1.38	0.14	1.38
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD11	20	1.38	0.14	1.38
(1,634)	1:52:B:ALA:HB1	1:50:B:ASP:HB2	20	1.37	0.13	1.38
(1,634)	1:52:B:ALA:HB2	1:50:B:ASP:HB2	20	1.37	0.13	1.38
(1,634)	1:52:B:ALA:HB3	1:50:B:ASP:HB2	20	1.37	0.13	1.38
(1,633)	1:52:A:ALA:HB1	1:50:A:ASP:HB2	20	1.37	0.13	1.38
(1,633)	1:52:A:ALA:HB2	1:50:A:ASP:HB2	20	1.37	0.13	1.38
(1,633)	1:52:A:ALA:HB3	1:50:A:ASP:HB2	20	1.37	0.13	1.38
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG2	20	1.36	0.12	1.37
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG3	20	1.36	0.12	1.37
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG2	20	1.36	0.12	1.36
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG3	20	1.36	0.12	1.36
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD22	20	1.32	0.29	1.25
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD23	20	1.32	0.29	1.25
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD21	20	1.32	0.29	1.25
(1,2994)	1:34:B:LYS:HB3	1:33:B:LEU:HD21	20	1.32	0.29	1.25
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD22	20	1.32	0.29	1.25
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD23	20	1.32	0.29	1.25
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD21	20	1.32	0.29	1.25
(1,2993)	1:34:A:LYS:HB3	1:33:A:LEU:HD21	20	1.32	0.29	1.25
(1,841)	1:78:A:VAL:HG11	1:36:A:LEU:HD21	20	1.3	0.28	1.38
(1,841)	1:78:A:VAL:HG12	1:36:A:LEU:HD23	20	1.3	0.28	1.38
(1,841)	1:78:A:VAL:HG12	1:36:A:LEU:HD22	20	1.3	0.28	1.38
(1,841)	1:78:A:VAL:HG13	1:36:A:LEU:HD23	20	1.3	0.28	1.38
(1,841)	1:78:A:VAL:HG11	1:36:A:LEU:HD22	20	1.3	0.28	1.38
(1,841)	1:78:A:VAL:HG12	1:36:A:LEU:HD21	20	1.3	0.28	1.38
(1,841)	1:78:A:VAL:HG13	1:36:A:LEU:HD22	20	1.3	0.28	1.38
(1,841)	1:78:A:VAL:HG11	1:36:A:LEU:HD23	20	1.3	0.28	1.38
(1,842)	1:78:B:VAL:HG11	1:36:B:LEU:HD21	20	1.3	0.28	1.38
(1,842)	1:78:B:VAL:HG12	1:36:B:LEU:HD23	20	1.3	0.28	1.38
(1,842)	1:78:B:VAL:HG12	1:36:B:LEU:HD22	20	1.3	0.28	1.38
(1,842)	1:78:B:VAL:HG13	1:36:B:LEU:HD23	20	1.3	0.28	1.38
(1,842)	1:78:B:VAL:HG11	1:36:B:LEU:HD22	20	1.3	0.28	1.38
(1,842)	1:78:B:VAL:HG12	1:36:B:LEU:HD21	20	1.3	0.28	1.38
(1,842)	1:78:B:VAL:HG13	1:36:B:LEU:HD22	20	1.3	0.28	1.38
(1,842)	1:78:B:VAL:HG11	1:36:B:LEU:HD23	20	1.3	0.28	1.38
(1,3711)	1:59:A:GLN:H	1:61:A:LEU:HB3	20	1.28	0.05	1.29
(1,3712)	1:59:B:GLN:H	1:61:B:LEU:HB3	20	1.28	0.05	1.28
(1,3090)	1:48:B:ILE:HG21	1:49:B:LYS:HB3	20	1.25	0.06	1.25
(1,3090)	1:48:B:ILE:HG22	1:49:B:LYS:HB3	20	1.25	0.06	1.25
(1,3090)	1:48:B:ILE:HG21	1:49:B:LYS:HB2	20	1.25	0.06	1.25
(1,3090)	1:48:B:ILE:HG23	1:49:B:LYS:HB2	20	1.25	0.06	1.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3090)	1:48:B:ILE:HG23	1:49:B:LYS:HB3	20	1.25	0.06	1.25
(1,3090)	1:48:B:ILE:HG22	1:49:B:LYS:HB2	20	1.25	0.06	1.25
(1,3089)	1:48:A:ILE:HG21	1:49:A:LYS:HB3	20	1.25	0.06	1.25
(1,3089)	1:48:A:ILE:HG22	1:49:A:LYS:HB3	20	1.25	0.06	1.25
(1,3089)	1:48:A:ILE:HG21	1:49:A:LYS:HB2	20	1.25	0.06	1.25
(1,3089)	1:48:A:ILE:HG23	1:49:A:LYS:HB2	20	1.25	0.06	1.25
(1,3089)	1:48:A:ILE:HG23	1:49:A:LYS:HB3	20	1.25	0.06	1.25
(1,3089)	1:48:A:ILE:HG22	1:49:A:LYS:HB2	20	1.25	0.06	1.25
(2,79)	1:58:A:PHE:HB2	1:61:A:LEU:HB3	20	1.24	0.1	1.27
(2,80)	1:58:B:PHE:HB2	1:61:B:LEU:HB3	20	1.24	0.1	1.27
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD22	20	1.22	0.04	1.23
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD21	20	1.22	0.04	1.23
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD11	20	1.22	0.04	1.23
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD13	20	1.22	0.04	1.23
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD12	20	1.22	0.04	1.23
(1,3805)	1:50:A:ASP:H	1:48:A:ILE:HD12	20	1.22	0.04	1.23
(1,3805)	1:50:A:ASP:H	1:48:A:ILE:HD11	20	1.22	0.04	1.23
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD23	20	1.22	0.04	1.23
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD22	20	1.22	0.04	1.22
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD21	20	1.22	0.04	1.22
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD11	20	1.22	0.04	1.22
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD13	20	1.22	0.04	1.22
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD12	20	1.22	0.04	1.22
(1,3806)	1:50:B:ASP:H	1:48:B:ILE:HD12	20	1.22	0.04	1.22
(1,3806)	1:50:B:ASP:H	1:48:B:ILE:HD11	20	1.22	0.04	1.22
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD23	20	1.22	0.04	1.22
(1,2509)	1:83:A:LYS:HE3	1:72:B:GLN:HB3	20	1.21	0.45	1.18
(1,2509)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	20	1.21	0.45	1.18
(1,2510)	1:83:B:LYS:HE3	1:72:A:GLN:HB3	20	1.21	0.45	1.17
(1,2510)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	20	1.21	0.45	1.17
(1,2853)	1:73:A:GLU:HB3	1:77:A:LEU:HB2	20	1.21	0.21	1.22
(1,2853)	1:52:A:ALA:HB1	1:56:A:GLU:HB2	20	1.21	0.21	1.22
(1,2853)	1:52:A:ALA:HB3	1:56:A:GLU:HB2	20	1.21	0.21	1.22
(1,2853)	1:52:A:ALA:HB2	1:56:A:GLU:HB2	20	1.21	0.21	1.22
(1,2854)	1:73:B:GLU:HB3	1:77:B:LEU:HB2	20	1.21	0.21	1.21
(1,2854)	1:52:B:ALA:HB1	1:56:B:GLU:HB2	20	1.21	0.21	1.21
(1,2854)	1:52:B:ALA:HB3	1:56:B:GLU:HB2	20	1.21	0.21	1.21
(1,2854)	1:52:B:ALA:HB2	1:56:B:GLU:HB2	20	1.21	0.21	1.21
(1,1864)	1:18:B:TYR:H	1:36:B:LEU:HD21	20	1.19	0.24	1.19
(1,1864)	1:18:B:TYR:H	1:36:B:LEU:HD22	20	1.19	0.24	1.19
(1,1864)	1:78:B:VAL:H	1:36:B:LEU:HD21	20	1.19	0.24	1.19
(1,1864)	1:18:B:TYR:H	1:36:B:LEU:HD23	20	1.19	0.24	1.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1864)	1:78:B:VAL:H	1:36:B:LEU:HD23	20	1.19	0.24	1.19
(1,1863)	1:18:A:TYR:H	1:36:A:LEU:HD21	20	1.19	0.24	1.19
(1,1863)	1:18:A:TYR:H	1:36:A:LEU:HD22	20	1.19	0.24	1.19
(1,1863)	1:78:A:VAL:H	1:36:A:LEU:HD21	20	1.19	0.24	1.19
(1,1863)	1:18:A:TYR:H	1:36:A:LEU:HD23	20	1.19	0.24	1.19
(1,1863)	1:78:A:VAL:H	1:36:A:LEU:HD23	20	1.19	0.24	1.19
(1,2958)	1:34:B:LYS:HB2	1:48:B:ILE:HG13	20	1.17	0.24	1.15
(1,2958)	1:32:B:GLU:HB3	1:36:B:LEU:HG	20	1.17	0.24	1.15
(1,2957)	1:34:A:LYS:HB2	1:48:A:ILE:HG13	20	1.17	0.24	1.15
(1,2957)	1:32:A:GLU:HB3	1:36:A:LEU:HG	20	1.17	0.24	1.15
(1,2157)	1:82:A:LEU:HG	1:12:B:VAL:HA	20	1.14	0.15	1.19
(1,2157)	1:82:A:LEU:HG	1:7:B:HIS:HB3	20	1.14	0.15	1.19
(1,2157)	1:82:A:LEU:HG	1:7:B:HIS:HB2	20	1.14	0.15	1.19
(1,2158)	1:82:B:LEU:HG	1:12:A:VAL:HA	20	1.13	0.15	1.2
(1,2158)	1:82:B:LEU:HG	1:7:A:HIS:HB3	20	1.13	0.15	1.2
(1,2158)	1:82:B:LEU:HG	1:7:A:HIS:HB2	20	1.13	0.15	1.2
(1,2036)	1:78:B:VAL:HG21	1:77:B:LEU:HA	20	1.13	0.05	1.13
(1,2036)	1:78:B:VAL:HG23	1:77:B:LEU:HA	20	1.13	0.05	1.13
(1,2036)	1:78:B:VAL:HG22	1:77:B:LEU:HA	20	1.13	0.05	1.13
(1,2035)	1:78:A:VAL:HG21	1:77:A:LEU:HA	20	1.13	0.05	1.13
(1,2035)	1:78:A:VAL:HG23	1:77:A:LEU:HA	20	1.13	0.05	1.13
(1,2035)	1:78:A:VAL:HG22	1:77:A:LEU:HA	20	1.13	0.05	1.13
(1,2804)	1:49:B:LYS:HG2	1:47:B:ASN:HB3	20	1.12	0.35	1.28
(1,2804)	1:63:B:ALA:HB3	1:64:B:ASN:HB3	20	1.12	0.35	1.28
(1,2804)	1:46:B:LYS:HG3	1:47:B:ASN:HB3	20	1.12	0.35	1.28
(1,2804)	1:63:B:ALA:HB1	1:64:B:ASN:HB3	20	1.12	0.35	1.28
(1,2803)	1:49:A:LYS:HG2	1:47:A:ASN:HB3	20	1.12	0.35	1.28
(1,2803)	1:63:A:ALA:HB3	1:64:A:ASN:HB3	20	1.12	0.35	1.28
(1,2803)	1:46:A:LYS:HG3	1:47:A:ASN:HB3	20	1.12	0.35	1.28
(1,2803)	1:63:A:ALA:HB1	1:64:A:ASN:HB3	20	1.12	0.35	1.28
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG11	20	1.11	0.04	1.13
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG12	20	1.11	0.04	1.13
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG13	20	1.11	0.04	1.13
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG11	20	1.11	0.05	1.12
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG12	20	1.11	0.05	1.12
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG13	20	1.11	0.05	1.12
(1,395)	1:50:A:ASP:HB3	1:47:A:ASN:HB2	20	1.11	0.33	1.16
(1,396)	1:50:B:ASP:HB3	1:47:B:ASN:HB2	20	1.1	0.33	1.16
(1,2373)	1:71:A:PHE:HB3	1:74:A:PHE:HA	20	1.09	0.16	1.12
(1,3771)	1:41:A:LEU:H	1:48:A:ILE:HG23	20	1.09	0.13	1.12
(1,3771)	1:41:A:LEU:H	1:37:A:LEU:HD21	20	1.09	0.13	1.12
(1,3771)	1:54:A:ILE:H	1:48:A:ILE:HD13	20	1.09	0.13	1.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3771)	1:54:A:ILE:H	1:48:A:ILE:HD11	20	1.09	0.13	1.12
(1,3771)	1:54:A:ILE:H	1:53:A:VAL:HG21	20	1.09	0.13	1.12
(1,3771)	1:54:A:ILE:H	1:48:A:ILE:HD12	20	1.09	0.13	1.12
(1,3771)	1:41:A:LEU:H	1:48:A:ILE:HG22	20	1.09	0.13	1.12
(1,3771)	1:54:A:ILE:H	1:53:A:VAL:HG23	20	1.09	0.13	1.12
(1,2374)	1:71:B:PHE:HB3	1:74:B:PHE:HA	20	1.09	0.16	1.12
(1,3772)	1:41:B:LEU:H	1:48:B:ILE:HG23	20	1.09	0.13	1.12
(1,3772)	1:41:B:LEU:H	1:37:B:LEU:HD21	20	1.09	0.13	1.12
(1,3772)	1:54:B:ILE:H	1:48:B:ILE:HD13	20	1.09	0.13	1.12
(1,3772)	1:54:B:ILE:H	1:48:B:ILE:HD11	20	1.09	0.13	1.12
(1,3772)	1:54:B:ILE:H	1:53:B:VAL:HG21	20	1.09	0.13	1.12
(1,3772)	1:54:B:ILE:H	1:48:B:ILE:HD12	20	1.09	0.13	1.12
(1,3772)	1:41:B:LEU:H	1:48:B:ILE:HG22	20	1.09	0.13	1.12
(1,3772)	1:54:B:ILE:H	1:53:B:VAL:HG23	20	1.09	0.13	1.12
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG23	20	1.09	0.11	1.13
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG22	20	1.09	0.11	1.13
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG21	20	1.09	0.11	1.13
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG23	20	1.09	0.11	1.13
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG22	20	1.09	0.11	1.13
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG21	20	1.09	0.11	1.13
(1,1845)	1:54:A:ILE:H	1:48:A:ILE:HG12	20	1.08	0.15	1.08
(1,1845)	1:30:A:LYS:HB2	1:62:A:ASP:H	20	1.08	0.15	1.08
(1,1846)	1:54:B:ILE:H	1:48:B:ILE:HG12	20	1.08	0.15	1.08
(1,1846)	1:30:B:LYS:HB2	1:62:B:ASP:H	20	1.08	0.15	1.08
(1,2618)	1:39:B:LYS:HB3	1:40:B:GLU:HB3	20	1.07	0.29	1.12
(1,2617)	1:39:A:LYS:HB3	1:40:A:GLU:HB3	20	1.06	0.29	1.12
(1,3580)	1:8:B:LEU:H	1:40:A:GLU:HB3	20	1.06	0.23	1.09
(1,3580)	1:8:B:LEU:H	1:41:A:LEU:HB3	20	1.06	0.23	1.09
(1,3579)	1:8:A:LEU:H	1:40:B:GLU:HB3	20	1.06	0.23	1.08
(1,3579)	1:8:A:LEU:H	1:41:B:LEU:HB3	20	1.06	0.23	1.08
(1,2592)	1:89:B:THR:HG21	1:83:B:LYS:HB3	20	1.05	0.27	1.12
(1,2592)	1:89:B:THR:HG22	1:83:B:LYS:HB3	20	1.05	0.27	1.12
(1,2592)	1:89:B:THR:HG23	1:83:B:LYS:HB3	20	1.05	0.27	1.12
(1,2591)	1:89:A:THR:HG21	1:83:A:LYS:HB3	20	1.05	0.27	1.12
(1,2591)	1:89:A:THR:HG22	1:83:A:LYS:HB3	20	1.05	0.27	1.12
(1,2591)	1:89:A:THR:HG23	1:83:A:LYS:HB3	20	1.05	0.27	1.12
(1,1575)	1:75:A:ILE:H	1:75:A:ILE:HG12	20	1.03	0.06	1.03
(1,1576)	1:75:B:ILE:H	1:75:B:ILE:HG12	20	1.03	0.06	1.03
(1,2938)	1:7:B:HIS:HB2	1:82:A:LEU:HG	20	1.01	0.36	1.15
(1,2938)	1:7:B:HIS:HB3	1:82:A:LEU:HG	20	1.01	0.36	1.15
(1,2938)	1:7:B:HIS:HB2	1:44:A:THR:HG23	20	1.01	0.36	1.15
(1,2938)	1:7:B:HIS:HB2	1:44:A:THR:HG21	20	1.01	0.36	1.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2937)	1:7:A:HIS:HB2	1:82:B:LEU:HG	20	1.01	0.35	1.15
(1,2937)	1:7:A:HIS:HB3	1:82:B:LEU:HG	20	1.01	0.35	1.15
(1,2937)	1:7:A:HIS:HB2	1:44:B:THR:HG23	20	1.01	0.35	1.15
(1,2937)	1:7:A:HIS:HB2	1:44:B:THR:HG21	20	1.01	0.35	1.15
(1,2052)	1:8:B:LEU:HA	1:81:A:ALA:HA	20	1.0	0.1	0.98
(1,2052)	1:8:B:LEU:HA	1:79:A:ALA:HA	20	1.0	0.1	0.98
(1,2052)	1:8:B:LEU:HA	1:44:A:THR:HB	20	1.0	0.1	0.98
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG23	20	1.0	0.22	1.06
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG22	20	1.0	0.22	1.06
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG21	20	1.0	0.22	1.06
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG23	20	1.0	0.22	1.06
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG22	20	1.0	0.22	1.06
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG21	20	1.0	0.22	1.06
(1,2051)	1:8:A:LEU:HA	1:81:B:ALA:HA	20	1.0	0.1	0.98
(1,2051)	1:8:A:LEU:HA	1:79:B:ALA:HA	20	1.0	0.1	0.98
(1,2051)	1:8:A:LEU:HA	1:44:B:THR:HB	20	1.0	0.1	0.98
(1,1710)	1:80:B:ILE:HB	1:75:A:ILE:HG23	20	0.98	0.14	0.97
(1,1710)	1:80:B:ILE:HB	1:75:A:ILE:HD12	20	0.98	0.14	0.97
(1,1710)	1:80:B:ILE:HB	1:8:A:LEU:HD21	20	0.98	0.14	0.97
(1,1710)	1:80:B:ILE:HB	1:8:A:LEU:HD22	20	0.98	0.14	0.97
(1,1710)	1:80:B:ILE:HB	1:75:A:ILE:HD11	20	0.98	0.14	0.97
(1,1710)	1:80:B:ILE:HB	1:75:A:ILE:HG22	20	0.98	0.14	0.97
(1,1710)	1:80:B:ILE:HB	1:8:A:LEU:HD23	20	0.98	0.14	0.97
(1,1710)	1:80:B:ILE:HB	1:75:A:ILE:HD13	20	0.98	0.14	0.97
(1,1709)	1:80:A:ILE:HB	1:75:B:ILE:HG23	20	0.98	0.14	0.96
(1,1709)	1:80:A:ILE:HB	1:75:B:ILE:HD12	20	0.98	0.14	0.96
(1,1709)	1:80:A:ILE:HB	1:8:B:LEU:HD21	20	0.98	0.14	0.96
(1,1709)	1:80:A:ILE:HB	1:8:B:LEU:HD22	20	0.98	0.14	0.96
(1,1709)	1:80:A:ILE:HB	1:75:B:ILE:HD11	20	0.98	0.14	0.96
(1,1709)	1:80:A:ILE:HB	1:75:B:ILE:HG22	20	0.98	0.14	0.96
(1,1709)	1:80:A:ILE:HB	1:8:B:LEU:HD23	20	0.98	0.14	0.96
(1,1709)	1:80:A:ILE:HB	1:75:B:ILE:HD13	20	0.98	0.14	0.96
(1,3780)	1:38:B:THR:H	1:48:B:ILE:HG21	20	0.98	0.09	1.01
(1,3780)	1:38:B:THR:H	1:37:B:LEU:HD12	20	0.98	0.09	1.01
(1,3780)	1:38:B:THR:H	1:48:B:ILE:HG22	20	0.98	0.09	1.01
(1,3780)	1:38:B:THR:H	1:37:B:LEU:HD13	20	0.98	0.09	1.01
(1,3780)	1:38:B:THR:H	1:48:B:ILE:HG23	20	0.98	0.09	1.01
(1,3780)	1:38:B:THR:H	1:37:B:LEU:HD11	20	0.98	0.09	1.01
(1,3779)	1:38:A:THR:H	1:48:A:ILE:HG21	20	0.98	0.09	1.02
(1,3779)	1:38:A:THR:H	1:37:A:LEU:HD12	20	0.98	0.09	1.02
(1,3779)	1:38:A:THR:H	1:48:A:ILE:HG22	20	0.98	0.09	1.02
(1,3779)	1:38:A:THR:H	1:37:A:LEU:HD13	20	0.98	0.09	1.02

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3779)	1:38:A:THR:H	1:48:A:ILE:HG23	20	0.98	0.09	1.02
(1,3779)	1:38:A:THR:H	1:37:A:LEU:HD11	20	0.98	0.09	1.02
(1,2593)	1:81:A:ALA:HB3	1:80:A:ILE:HB	20	0.98	0.08	0.96
(1,2593)	1:81:A:ALA:HB1	1:80:A:ILE:HB	20	0.98	0.08	0.96
(1,2593)	1:81:A:ALA:HB2	1:80:A:ILE:HB	20	0.98	0.08	0.96
(1,1988)	1:30:B:LYS:HD3	1:29:B:SER:HB3	20	0.98	0.28	0.86
(1,1988)	1:30:B:LYS:HD2	1:29:B:SER:HB3	20	0.98	0.28	0.86
(1,1988)	1:30:B:LYS:HD3	1:56:B:GLU:HA	20	0.98	0.28	0.86
(1,2721)	1:53:A:VAL:HG22	1:46:A:LYS:HB2	20	0.98	0.13	1.02
(1,2721)	1:53:A:VAL:HG23	1:46:A:LYS:HB2	20	0.98	0.13	1.02
(1,2721)	1:53:A:VAL:HG21	1:46:A:LYS:HB2	20	0.98	0.13	1.02
(1,2721)	1:53:A:VAL:HG22	1:54:A:ILE:HG13	20	0.98	0.13	1.02
(1,1987)	1:30:A:LYS:HD3	1:29:A:SER:HB3	20	0.98	0.28	0.87
(1,1987)	1:30:A:LYS:HD2	1:29:A:SER:HB3	20	0.98	0.28	0.87
(1,1987)	1:30:A:LYS:HD3	1:56:A:GLU:HA	20	0.98	0.28	0.87
(1,2594)	1:81:B:ALA:HB3	1:80:B:ILE:HB	20	0.98	0.08	0.96
(1,2594)	1:81:B:ALA:HB1	1:80:B:ILE:HB	20	0.98	0.08	0.96
(1,2594)	1:81:B:ALA:HB2	1:80:B:ILE:HB	20	0.98	0.08	0.96
(1,2722)	1:53:B:VAL:HG22	1:46:B:LYS:HB2	20	0.97	0.13	1.02
(1,2722)	1:53:B:VAL:HG23	1:46:B:LYS:HB2	20	0.97	0.13	1.02
(1,2722)	1:53:B:VAL:HG21	1:46:B:LYS:HB2	20	0.97	0.13	1.02
(1,2722)	1:53:B:VAL:HG22	1:54:B:ILE:HG13	20	0.97	0.13	1.02
(1,2458)	1:37:B:LEU:HG	1:40:B:GLU:HG3	20	0.97	0.19	0.92
(1,2458)	1:37:B:LEU:HG	1:40:B:GLU:HG2	20	0.97	0.19	0.92
(1,2458)	1:37:B:LEU:HG	1:35:B:GLN:HG2	20	0.97	0.19	0.92
(1,2457)	1:37:A:LEU:HG	1:40:A:GLU:HG3	20	0.96	0.19	0.92
(1,2457)	1:37:A:LEU:HG	1:40:A:GLU:HG2	20	0.96	0.19	0.92
(1,2457)	1:37:A:LEU:HG	1:35:A:GLN:HG2	20	0.96	0.19	0.92
(1,3648)	1:8:B:LEU:H	1:85:A:ALA:HB3	20	0.94	0.27	0.97
(1,3648)	1:8:B:LEU:H	1:85:A:ALA:HB2	20	0.94	0.27	0.97
(1,3648)	1:8:B:LEU:H	1:81:A:ALA:HB3	20	0.94	0.27	0.97
(1,3648)	1:8:B:LEU:H	1:85:A:ALA:HB1	20	0.94	0.27	0.97
(1,3648)	1:8:B:LEU:H	1:81:A:ALA:HB2	20	0.94	0.27	0.97
(1,3662)	1:61:B:LEU:H	1:77:B:LEU:HB2	20	0.94	0.1	0.94
(1,3662)	1:61:B:LEU:H	1:63:B:ALA:HB1	20	0.94	0.1	0.94
(1,3662)	1:61:B:LEU:H	1:63:B:ALA:HB2	20	0.94	0.1	0.94
(1,3662)	1:61:B:LEU:H	1:63:B:ALA:HB3	20	0.94	0.1	0.94
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD12	20	0.93	0.13	0.9
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD13	20	0.93	0.13	0.9
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD11	20	0.93	0.13	0.9
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD12	20	0.93	0.13	0.9
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD13	20	0.93	0.13	0.9

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD11	20	0.93	0.13	0.9
(1,3647)	1:8:A:LEU:H	1:85:B:ALA:HB3	20	0.93	0.27	0.98
(1,3647)	1:8:A:LEU:H	1:85:B:ALA:HB2	20	0.93	0.27	0.98
(1,3647)	1:8:A:LEU:H	1:81:B:ALA:HB3	20	0.93	0.27	0.98
(1,3647)	1:8:A:LEU:H	1:85:B:ALA:HB1	20	0.93	0.27	0.98
(1,3647)	1:8:A:LEU:H	1:81:B:ALA:HB2	20	0.93	0.27	0.98
(1,3661)	1:61:A:LEU:H	1:77:A:LEU:HB2	20	0.93	0.1	0.94
(1,3661)	1:61:A:LEU:H	1:63:A:ALA:HB1	20	0.93	0.1	0.94
(1,3661)	1:61:A:LEU:H	1:63:A:ALA:HB2	20	0.93	0.1	0.94
(1,3661)	1:61:A:LEU:H	1:63:A:ALA:HB3	20	0.93	0.1	0.94
(1,1810)	1:35:B:GLN:H	1:37:B:LEU:HA	20	0.93	0.06	0.93
(1,1810)	1:44:B:THR:H	1:37:B:LEU:HA	20	0.93	0.06	0.93
(1,1809)	1:35:A:GLN:H	1:37:A:LEU:HA	20	0.93	0.06	0.93
(1,1809)	1:44:A:THR:H	1:37:A:LEU:HA	20	0.93	0.06	0.93
(1,654)	1:37:B:LEU:HB2	1:48:B:ILE:HG12	20	0.93	0.18	0.98
(1,653)	1:37:A:LEU:HB2	1:48:A:ILE:HG12	20	0.93	0.18	0.98
(1,3444)	1:41:B:LEU:H	1:49:B:LYS:HE2	20	0.93	0.17	0.9
(1,3444)	1:41:B:LEU:H	1:49:B:LYS:HE3	20	0.93	0.17	0.9
(1,3444)	1:41:B:LEU:H	1:43:B:ASN:HB2	20	0.93	0.17	0.9
(1,3443)	1:41:A:LEU:H	1:49:A:LYS:HE2	20	0.93	0.17	0.9
(1,3443)	1:41:A:LEU:H	1:49:A:LYS:HE3	20	0.93	0.17	0.9
(1,3443)	1:41:A:LEU:H	1:43:A:ASN:HB2	20	0.93	0.17	0.9
(1,2650)	1:34:B:LYS:HB3	1:32:B:GLU:HB3	20	0.92	0.26	0.92
(1,2649)	1:34:A:LYS:HB3	1:32:A:GLU:HB3	20	0.92	0.26	0.92
(1,854)	1:78:B:VAL:HG11	1:45:B:ILE:HD13	20	0.91	0.14	0.92
(1,854)	1:78:B:VAL:HG12	1:45:B:ILE:HD13	20	0.91	0.14	0.92
(1,854)	1:78:B:VAL:HG12	1:45:B:ILE:HD11	20	0.91	0.14	0.92
(1,854)	1:78:B:VAL:HG13	1:45:B:ILE:HD12	20	0.91	0.14	0.92
(1,854)	1:78:B:VAL:HG11	1:45:B:ILE:HD11	20	0.91	0.14	0.92
(1,853)	1:78:A:VAL:HG11	1:45:A:ILE:HD13	20	0.91	0.15	0.92
(1,853)	1:78:A:VAL:HG12	1:45:A:ILE:HD13	20	0.91	0.15	0.92
(1,853)	1:78:A:VAL:HG12	1:45:A:ILE:HD11	20	0.91	0.15	0.92
(1,853)	1:78:A:VAL:HG13	1:45:A:ILE:HD12	20	0.91	0.15	0.92
(1,853)	1:78:A:VAL:HG11	1:45:A:ILE:HD11	20	0.91	0.15	0.92
(1,665)	1:37:A:LEU:HD23	1:37:A:LEU:HB2	20	0.91	0.01	0.91
(1,665)	1:37:A:LEU:HD22	1:37:A:LEU:HB2	20	0.91	0.01	0.91
(1,665)	1:37:A:LEU:HD21	1:37:A:LEU:HB2	20	0.91	0.01	0.91
(1,666)	1:37:B:LEU:HD23	1:37:B:LEU:HB2	20	0.91	0.02	0.91
(1,666)	1:37:B:LEU:HD22	1:37:B:LEU:HB2	20	0.91	0.02	0.91
(1,666)	1:37:B:LEU:HD21	1:37:B:LEU:HB2	20	0.91	0.02	0.91
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG11	20	0.9	0.19	0.97
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG13	20	0.9	0.19	0.97

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG12	20	0.9	0.19	0.97
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG11	20	0.9	0.19	0.97
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG13	20	0.9	0.19	0.97
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG12	20	0.9	0.19	0.97
(1,3560)	1:77:B:LEU:H	1:75:B:ILE:HB	20	0.9	0.06	0.9
(1,3560)	1:77:B:LEU:H	1:61:B:LEU:HG	20	0.9	0.06	0.9
(1,3560)	1:77:B:LEU:H	1:80:B:ILE:HB	20	0.9	0.06	0.9
(1,3560)	1:77:B:LEU:H	1:78:B:VAL:HB	20	0.9	0.06	0.9
(1,3559)	1:77:A:LEU:H	1:75:A:ILE:HB	20	0.9	0.06	0.9
(1,3559)	1:77:A:LEU:H	1:61:A:LEU:HG	20	0.9	0.06	0.9
(1,3559)	1:77:A:LEU:H	1:80:A:ILE:HB	20	0.9	0.06	0.9
(1,3559)	1:77:A:LEU:H	1:78:A:VAL:HB	20	0.9	0.06	0.9
(1,2025)	1:82:A:LEU:HD11	1:82:A:LEU:HA	20	0.89	0.04	0.9
(1,2025)	1:82:A:LEU:HD13	1:82:A:LEU:HA	20	0.89	0.04	0.9
(1,2025)	1:82:A:LEU:HD12	1:82:A:LEU:HA	20	0.89	0.04	0.9
(1,2026)	1:82:B:LEU:HD11	1:82:B:LEU:HA	20	0.89	0.04	0.9
(1,2026)	1:82:B:LEU:HD13	1:82:B:LEU:HA	20	0.89	0.04	0.9
(1,2026)	1:82:B:LEU:HD12	1:82:B:LEU:HA	20	0.89	0.04	0.9
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG12	20	0.88	0.05	0.88
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG11	20	0.88	0.05	0.88
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG13	20	0.88	0.05	0.88
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG12	20	0.88	0.05	0.88
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG11	20	0.88	0.05	0.88
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG13	20	0.88	0.05	0.88
(1,3230)	1:75:B:ILE:HD13	1:78:A:VAL:HG12	20	0.87	0.42	0.78
(1,3230)	1:75:B:ILE:HD11	1:78:A:VAL:HG13	20	0.87	0.42	0.78
(1,3230)	1:75:B:ILE:HD12	1:78:A:VAL:HG13	20	0.87	0.42	0.78
(1,3230)	1:75:B:ILE:HD11	1:78:A:VAL:HG11	20	0.87	0.42	0.78
(1,3230)	1:75:B:ILE:HD11	1:78:A:VAL:HG12	20	0.87	0.42	0.78
(1,3230)	1:75:B:ILE:HD13	1:78:A:VAL:HG13	20	0.87	0.42	0.78
(1,3230)	1:75:B:ILE:HD13	1:78:A:VAL:HG11	20	0.87	0.42	0.78
(1,3230)	1:75:B:ILE:HD12	1:78:A:VAL:HG12	20	0.87	0.42	0.78
(1,3230)	1:75:B:ILE:HD12	1:78:A:VAL:HG11	20	0.87	0.42	0.78
(1,3229)	1:75:A:ILE:HD13	1:78:B:VAL:HG12	20	0.87	0.42	0.78
(1,3229)	1:75:A:ILE:HD11	1:78:B:VAL:HG13	20	0.87	0.42	0.78
(1,3229)	1:75:A:ILE:HD12	1:78:B:VAL:HG13	20	0.87	0.42	0.78
(1,3229)	1:75:A:ILE:HD11	1:78:B:VAL:HG11	20	0.87	0.42	0.78
(1,3229)	1:75:A:ILE:HD11	1:78:B:VAL:HG12	20	0.87	0.42	0.78
(1,3229)	1:75:A:ILE:HD13	1:78:B:VAL:HG13	20	0.87	0.42	0.78
(1,3229)	1:75:A:ILE:HD13	1:78:B:VAL:HG11	20	0.87	0.42	0.78
(1,3229)	1:75:A:ILE:HD12	1:78:B:VAL:HG12	20	0.87	0.42	0.78
(1,3229)	1:75:A:ILE:HD12	1:78:B:VAL:HG11	20	0.87	0.42	0.78

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,809)	1:53:A:VAL:HG13	1:45:A:ILE:HD11	20	0.87	0.14	0.86
(1,809)	1:53:A:VAL:HG12	1:45:A:ILE:HD12	20	0.87	0.14	0.86
(1,809)	1:53:A:VAL:HG11	1:45:A:ILE:HD11	20	0.87	0.14	0.86
(1,809)	1:53:A:VAL:HG11	1:45:A:ILE:HD13	20	0.87	0.14	0.86
(1,809)	1:53:A:VAL:HG11	1:45:A:ILE:HD12	20	0.87	0.14	0.86
(1,809)	1:53:A:VAL:HG12	1:45:A:ILE:HD11	20	0.87	0.14	0.86
(1,809)	1:53:A:VAL:HG13	1:45:A:ILE:HD13	20	0.87	0.14	0.86
(1,809)	1:53:A:VAL:HG13	1:45:A:ILE:HD12	20	0.87	0.14	0.86
(1,810)	1:53:B:VAL:HG13	1:45:B:ILE:HD11	20	0.87	0.14	0.85
(1,810)	1:53:B:VAL:HG12	1:45:B:ILE:HD12	20	0.87	0.14	0.85
(1,810)	1:53:B:VAL:HG11	1:45:B:ILE:HD11	20	0.87	0.14	0.85
(1,810)	1:53:B:VAL:HG11	1:45:B:ILE:HD13	20	0.87	0.14	0.85
(1,810)	1:53:B:VAL:HG11	1:45:B:ILE:HD12	20	0.87	0.14	0.85
(1,810)	1:53:B:VAL:HG12	1:45:B:ILE:HD11	20	0.87	0.14	0.85
(1,810)	1:53:B:VAL:HG13	1:45:B:ILE:HD13	20	0.87	0.14	0.85
(1,810)	1:53:B:VAL:HG13	1:45:B:ILE:HD12	20	0.87	0.14	0.85
(1,1793)	1:49:A:LYS:HD2	1:50:A:ASP:H	20	0.85	0.06	0.86
(1,1793)	1:49:A:LYS:HD2	1:38:A:THR:H	20	0.85	0.06	0.86
(1,1794)	1:49:B:LYS:HD2	1:50:B:ASP:H	20	0.85	0.06	0.86
(1,1794)	1:49:B:LYS:HD2	1:38:B:THR:H	20	0.85	0.06	0.86
(1,2988)	1:56:B:GLU:HG3	1:57:B:ILE:HG13	20	0.85	0.24	0.84
(1,2988)	1:53:B:VAL:HG12	1:56:B:GLU:HG3	20	0.85	0.24	0.84
(1,2988)	1:53:B:VAL:HG13	1:56:B:GLU:HG3	20	0.85	0.24	0.84
(1,2988)	1:53:B:VAL:HG11	1:56:B:GLU:HG3	20	0.85	0.24	0.84
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG23	20	0.85	0.09	0.86
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG22	20	0.85	0.09	0.86
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG21	20	0.85	0.09	0.86
(1,2277)	1:42:A:ALA:HB1	1:43:A:ASN:HB3	20	0.85	0.32	0.74
(1,2277)	1:42:A:ALA:HB3	1:43:A:ASN:HB3	20	0.85	0.32	0.74
(1,2277)	1:63:A:ALA:HB3	1:64:A:ASN:HB3	20	0.85	0.32	0.74
(1,2277)	1:42:A:ALA:HB2	1:43:A:ASN:HB3	20	0.85	0.32	0.74
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG23	20	0.85	0.1	0.86
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG22	20	0.85	0.1	0.86
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG21	20	0.85	0.1	0.86
(1,2278)	1:42:B:ALA:HB1	1:43:B:ASN:HB3	20	0.85	0.32	0.74
(1,2278)	1:42:B:ALA:HB3	1:43:B:ASN:HB3	20	0.85	0.32	0.74
(1,2278)	1:63:B:ALA:HB3	1:64:B:ASN:HB3	20	0.85	0.32	0.74
(1,2278)	1:42:B:ALA:HB2	1:43:B:ASN:HB3	20	0.85	0.32	0.74
(1,2987)	1:56:A:GLU:HG3	1:57:A:ILE:HG13	20	0.85	0.25	0.84
(1,2987)	1:53:A:VAL:HG12	1:56:A:GLU:HG3	20	0.85	0.25	0.84
(1,2987)	1:53:A:VAL:HG13	1:56:A:GLU:HG3	20	0.85	0.25	0.84
(1,2987)	1:53:A:VAL:HG11	1:56:A:GLU:HG3	20	0.85	0.25	0.84

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3665)	1:76:A:SER:H	1:77:A:LEU:HB3	20	0.85	0.07	0.84
(1,3666)	1:76:B:SER:H	1:77:B:LEU:HB3	20	0.85	0.07	0.84
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB1	20	0.79	0.11	0.78
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB3	20	0.79	0.11	0.78
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB2	20	0.79	0.11	0.78
(1,3649)	1:44:A:THR:H	1:84:A:ALA:HB3	20	0.79	0.11	0.78
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB1	20	0.79	0.11	0.78
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB3	20	0.79	0.11	0.78
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB2	20	0.79	0.11	0.78
(1,3650)	1:44:B:THR:H	1:84:B:ALA:HB3	20	0.79	0.11	0.78
(1,3513)	1:87:A:TYR:H	1:71:B:PHE:HB2	20	0.78	0.15	0.77
(1,3513)	1:83:A:LYS:H	1:8:B:LEU:HB3	20	0.78	0.15	0.77
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD12	20	0.78	0.05	0.77
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD13	20	0.78	0.05	0.77
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD11	20	0.78	0.05	0.77
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD12	20	0.78	0.05	0.77
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD13	20	0.78	0.05	0.77
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD11	20	0.78	0.05	0.77
(1,3514)	1:87:B:TYR:H	1:71:A:PHE:HB2	20	0.78	0.15	0.78
(1,3514)	1:83:B:LYS:H	1:8:A:LEU:HB3	20	0.78	0.15	0.78
(1,2644)	1:50:B:ASP:HB3	1:51:B:LYS:HB3	20	0.77	0.26	0.68
(1,2644)	1:50:B:ASP:HB3	1:51:B:LYS:HB2	20	0.77	0.26	0.68
(1,2644)	1:50:B:ASP:HB3	1:49:B:LYS:HB2	20	0.77	0.26	0.68
(1,2643)	1:50:A:ASP:HB3	1:51:A:LYS:HB3	20	0.77	0.26	0.68
(1,2643)	1:50:A:ASP:HB3	1:51:A:LYS:HB2	20	0.77	0.26	0.68
(1,2643)	1:50:A:ASP:HB3	1:49:A:LYS:HB2	20	0.77	0.26	0.68
(1,2401)	1:51:A:LYS:HD2	1:53:A:VAL:HB	20	0.77	0.14	0.82
(1,2401)	1:51:A:LYS:HD3	1:53:A:VAL:HB	20	0.77	0.14	0.82
(1,2402)	1:51:B:LYS:HD2	1:53:B:VAL:HB	20	0.77	0.15	0.82
(1,2402)	1:51:B:LYS:HD3	1:53:B:VAL:HB	20	0.77	0.15	0.82
(1,2615)	1:59:A:GLN:HG2	1:57:A:ILE:HB	20	0.75	0.2	0.66
(1,2615)	1:59:A:GLN:HG3	1:57:A:ILE:HB	20	0.75	0.2	0.66
(1,2616)	1:59:B:GLN:HG2	1:57:B:ILE:HB	20	0.75	0.2	0.66
(1,2616)	1:59:B:GLN:HG3	1:57:B:ILE:HB	20	0.75	0.2	0.66
(1,117)	1:37:A:LEU:HD22	1:42:A:ALA:H	20	0.75	0.08	0.75
(1,117)	1:37:A:LEU:HD21	1:42:A:ALA:H	20	0.75	0.08	0.75
(1,117)	1:37:A:LEU:HD23	1:42:A:ALA:H	20	0.75	0.08	0.75
(1,118)	1:37:B:LEU:HD22	1:42:B:ALA:H	20	0.74	0.08	0.74
(1,118)	1:37:B:LEU:HD21	1:42:B:ALA:H	20	0.74	0.08	0.74
(1,118)	1:37:B:LEU:HD23	1:42:B:ALA:H	20	0.74	0.08	0.74
(1,2949)	1:82:A:LEU:HG	1:80:A:ILE:HA	20	0.74	0.11	0.74
(1,2950)	1:82:B:LEU:HG	1:80:B:ILE:HA	20	0.74	0.11	0.74

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,583)	1:8:A:LEU:HB2	1:82:B:LEU:HB3	20	0.74	0.11	0.72
(1,584)	1:8:B:LEU:HB2	1:82:A:LEU:HB3	20	0.74	0.12	0.7
(1,2232)	1:8:B:LEU:HD13	1:78:A:VAL:HA	20	0.74	0.08	0.75
(1,2232)	1:8:B:LEU:HD12	1:78:A:VAL:HA	20	0.74	0.08	0.75
(1,2232)	1:8:B:LEU:HD11	1:78:A:VAL:HA	20	0.74	0.08	0.75
(1,2231)	1:8:A:LEU:HD13	1:78:B:VAL:HA	20	0.73	0.08	0.74
(1,2231)	1:8:A:LEU:HD12	1:78:B:VAL:HA	20	0.73	0.08	0.74
(1,2231)	1:8:A:LEU:HD11	1:78:B:VAL:HA	20	0.73	0.08	0.74
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG23	20	0.73	0.1	0.72
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG21	20	0.73	0.1	0.72
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG22	20	0.73	0.1	0.72
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG23	20	0.73	0.11	0.72
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG21	20	0.73	0.11	0.72
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG22	20	0.73	0.11	0.72
(1,3219)	1:71:A:PHE:HB3	1:78:A:VAL:HG21	20	0.72	0.3	0.7
(1,3219)	1:30:A:LYS:HG3	1:62:A:ASP:HB2	20	0.72	0.3	0.7
(1,3220)	1:71:B:PHE:HB3	1:78:B:VAL:HG21	20	0.72	0.31	0.7
(1,3220)	1:30:B:LYS:HG3	1:62:B:ASP:HB2	20	0.72	0.31	0.7
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD23	20	0.71	0.09	0.72
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD22	20	0.71	0.09	0.72
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD21	20	0.71	0.09	0.72
(1,2681)	1:83:A:LYS:HB2	1:91:A:LYS:HD3	20	0.71	0.52	0.64
(1,2681)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	20	0.71	0.52	0.64
(1,2682)	1:83:B:LYS:HB2	1:91:B:LYS:HD3	20	0.71	0.52	0.64
(1,2682)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	20	0.71	0.52	0.64
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD23	20	0.71	0.09	0.72
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD22	20	0.71	0.09	0.72
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD21	20	0.71	0.09	0.72
(1,1965)	1:37:A:LEU:HD11	1:33:A:LEU:HA	20	0.7	0.06	0.7
(1,1965)	1:37:A:LEU:HD12	1:33:A:LEU:HA	20	0.7	0.06	0.7
(1,1965)	1:37:A:LEU:HD13	1:33:A:LEU:HA	20	0.7	0.06	0.7
(1,1966)	1:37:B:LEU:HD11	1:33:B:LEU:HA	20	0.7	0.06	0.7
(1,1966)	1:37:B:LEU:HD12	1:33:B:LEU:HA	20	0.7	0.06	0.7
(1,1966)	1:37:B:LEU:HD13	1:33:B:LEU:HA	20	0.7	0.06	0.7
(1,2226)	1:82:B:LEU:HD12	1:78:B:VAL:HA	20	0.67	0.14	0.69
(1,2226)	1:82:B:LEU:HD13	1:78:A:VAL:HA	20	0.67	0.14	0.69
(1,2226)	1:82:B:LEU:HD12	1:78:A:VAL:HA	20	0.67	0.14	0.69
(1,2226)	1:82:B:LEU:HD11	1:78:A:VAL:HA	20	0.67	0.14	0.69
(1,3601)	1:57:A:ILE:H	1:54:A:ILE:HG13	20	0.67	0.06	0.68
(1,2225)	1:82:A:LEU:HD12	1:78:A:VAL:HA	20	0.67	0.14	0.69
(1,2225)	1:82:A:LEU:HD13	1:78:B:VAL:HA	20	0.67	0.14	0.69
(1,2225)	1:82:A:LEU:HD12	1:78:B:VAL:HA	20	0.67	0.14	0.69

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2225)	1:82:A:LEU:HD11	1:78:B:VAL:HA	20	0.67	0.14	0.69
(1,120)	1:8:B:LEU:HD12	1:42:A:ALA:H	20	0.67	0.2	0.76
(1,120)	1:8:B:LEU:HD11	1:42:A:ALA:H	20	0.67	0.2	0.76
(1,120)	1:8:B:LEU:HD13	1:42:A:ALA:H	20	0.67	0.2	0.76
(1,3602)	1:57:B:ILE:H	1:54:B:ILE:HG13	20	0.67	0.06	0.67
(1,119)	1:8:A:LEU:HD12	1:42:B:ALA:H	20	0.67	0.2	0.75
(1,119)	1:8:A:LEU:HD11	1:42:B:ALA:H	20	0.67	0.2	0.75
(1,119)	1:8:A:LEU:HD13	1:42:B:ALA:H	20	0.67	0.2	0.75
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG12	20	0.66	0.12	0.68
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG11	20	0.66	0.12	0.68
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG13	20	0.66	0.12	0.68
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG12	20	0.66	0.13	0.68
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG11	20	0.66	0.13	0.68
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG13	20	0.66	0.13	0.68
(1,2408)	1:52:B:ALA:HB3	1:56:B:GLU:HG2	20	0.66	0.07	0.65
(1,2408)	1:52:B:ALA:HB1	1:56:B:GLU:HG2	20	0.66	0.07	0.65
(1,2408)	1:52:B:ALA:HB1	1:56:B:GLU:HG3	20	0.66	0.07	0.65
(1,2408)	1:52:B:ALA:HB2	1:56:B:GLU:HG2	20	0.66	0.07	0.65
(1,2408)	1:52:B:ALA:HB2	1:56:B:GLU:HG3	20	0.66	0.07	0.65
(1,2407)	1:52:A:ALA:HB3	1:56:A:GLU:HG2	20	0.66	0.07	0.64
(1,2407)	1:52:A:ALA:HB1	1:56:A:GLU:HG2	20	0.66	0.07	0.64
(1,2407)	1:52:A:ALA:HB1	1:56:A:GLU:HG3	20	0.66	0.07	0.64
(1,2407)	1:52:A:ALA:HB2	1:56:A:GLU:HG2	20	0.66	0.07	0.64
(1,2407)	1:52:A:ALA:HB2	1:56:A:GLU:HG3	20	0.66	0.07	0.64
(1,3576)	1:53:B:VAL:H	1:51:B:LYS:HB3	20	0.65	0.06	0.64
(1,2832)	1:58:B:PHE:HA	1:33:B:LEU:HG	20	0.65	0.1	0.67
(1,2832)	1:58:B:PHE:HA	1:77:B:LEU:HB2	20	0.65	0.1	0.67
(1,2832)	1:58:B:PHE:HA	1:30:B:LYS:HB2	20	0.65	0.1	0.67
(1,1975)	1:54:A:ILE:HB	1:49:A:LYS:HA	20	0.65	0.07	0.64
(1,1976)	1:54:B:ILE:HB	1:49:B:LYS:HA	20	0.65	0.07	0.64
(1,3575)	1:53:A:VAL:H	1:51:A:LYS:HB3	20	0.65	0.06	0.64
(1,2831)	1:58:A:PHE:HA	1:33:A:LEU:HG	20	0.65	0.1	0.67
(1,2831)	1:58:A:PHE:HA	1:77:A:LEU:HB2	20	0.65	0.1	0.67
(1,2831)	1:58:A:PHE:HA	1:30:A:LYS:HB2	20	0.65	0.1	0.67
(1,2130)	1:73:B:GLU:HA	1:72:B:GLN:HA	20	0.64	0.03	0.63
(1,2130)	1:59:B:GLN:HA	1:58:B:PHE:HA	20	0.64	0.03	0.63
(1,2129)	1:73:A:GLU:HA	1:72:A:GLN:HA	20	0.63	0.03	0.63
(1,2129)	1:59:A:GLN:HA	1:58:A:PHE:HA	20	0.63	0.03	0.63
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD11	20	0.63	0.04	0.63
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD12	20	0.63	0.04	0.63
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD13	20	0.63	0.04	0.63
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD11	20	0.63	0.05	0.63

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD12	20	0.63	0.05	0.63
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD13	20	0.63	0.05	0.63
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG23	20	0.63	0.04	0.64
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG21	20	0.63	0.04	0.64
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG22	20	0.63	0.04	0.64
(1,3738)	1:11:B:ILE:H	1:12:B:VAL:HG11	20	0.63	0.15	0.65
(1,3738)	1:11:B:ILE:H	1:12:B:VAL:HG13	20	0.63	0.15	0.65
(1,3738)	1:32:B:GLU:H	1:33:B:LEU:HD11	20	0.63	0.15	0.65
(1,3738)	1:11:B:ILE:H	1:12:B:VAL:HG12	20	0.63	0.15	0.65
(1,3738)	1:32:B:GLU:H	1:33:B:LEU:HD12	20	0.63	0.15	0.65
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG23	20	0.63	0.04	0.64
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG21	20	0.63	0.04	0.64
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG22	20	0.63	0.04	0.64
(1,3737)	1:11:A:ILE:H	1:12:A:VAL:HG11	20	0.63	0.15	0.65
(1,3737)	1:11:A:ILE:H	1:12:A:VAL:HG13	20	0.63	0.15	0.65
(1,3737)	1:32:A:GLU:H	1:33:A:LEU:HD11	20	0.63	0.15	0.65
(1,3737)	1:11:A:ILE:H	1:12:A:VAL:HG12	20	0.63	0.15	0.65
(1,3737)	1:32:A:GLU:H	1:33:A:LEU:HD12	20	0.63	0.15	0.65
(1,1999)	1:74:A:PHE:HA	1:77:A:LEU:HA	20	0.63	0.09	0.64
(1,1999)	1:74:A:PHE:HA	1:76:A:SER:HB2	20	0.63	0.09	0.64
(1,2000)	1:74:B:PHE:HA	1:77:B:LEU:HA	20	0.63	0.09	0.64
(1,2000)	1:74:B:PHE:HA	1:76:B:SER:HB2	20	0.63	0.09	0.64
(1,470)	1:36:B:LEU:HD11	1:40:B:GLU:HG3	20	0.63	0.13	0.63
(1,470)	1:36:B:LEU:HD13	1:40:B:GLU:HG3	20	0.63	0.13	0.63
(1,470)	1:36:B:LEU:HD12	1:40:B:GLU:HG3	20	0.63	0.13	0.63
(1,470)	1:36:B:LEU:HD13	1:40:B:GLU:HG2	20	0.63	0.13	0.63
(1,470)	1:36:B:LEU:HD11	1:40:B:GLU:HG2	20	0.63	0.13	0.63
(1,469)	1:36:A:LEU:HD11	1:40:A:GLU:HG3	20	0.63	0.13	0.63
(1,469)	1:36:A:LEU:HD13	1:40:A:GLU:HG3	20	0.63	0.13	0.63
(1,469)	1:36:A:LEU:HD12	1:40:A:GLU:HG3	20	0.63	0.13	0.63
(1,469)	1:36:A:LEU:HD13	1:40:A:GLU:HG2	20	0.63	0.13	0.63
(1,469)	1:36:A:LEU:HD11	1:40:A:GLU:HG2	20	0.63	0.13	0.63
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG23	20	0.63	0.1	0.63
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG22	20	0.63	0.1	0.63
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG21	20	0.63	0.1	0.63
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG23	20	0.63	0.1	0.63
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG22	20	0.63	0.1	0.63
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG21	20	0.63	0.1	0.63
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD12	20	0.62	0.12	0.59
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD11	20	0.62	0.12	0.59
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD13	20	0.62	0.12	0.59
(1,3807)	1:74:A:PHE:H	1:75:A:ILE:HD12	20	0.62	0.12	0.59

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2086)	1:54:B:ILE:HA	1:53:B:VAL:HA	20	0.62	0.02	0.62
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD12	20	0.62	0.12	0.59
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD11	20	0.62	0.12	0.59
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD13	20	0.62	0.12	0.59
(1,3808)	1:74:B:PHE:H	1:75:B:ILE:HD12	20	0.62	0.12	0.59
(1,2085)	1:54:A:ILE:HA	1:53:A:VAL:HA	20	0.62	0.02	0.62
(1,805)	1:80:A:ILE:HD12	1:61:A:LEU:HD22	20	0.62	0.08	0.62
(1,805)	1:80:A:ILE:HD11	1:61:A:LEU:HD22	20	0.62	0.08	0.62
(1,805)	1:80:A:ILE:HD13	1:61:A:LEU:HD22	20	0.62	0.08	0.62
(1,805)	1:80:A:ILE:HD13	1:61:A:LEU:HD21	20	0.62	0.08	0.62
(1,805)	1:80:A:ILE:HD11	1:61:A:LEU:HD23	20	0.62	0.08	0.62
(1,805)	1:80:A:ILE:HD12	1:61:A:LEU:HD21	20	0.62	0.08	0.62
(1,805)	1:80:A:ILE:HD11	1:61:A:LEU:HD21	20	0.62	0.08	0.62
(1,805)	1:80:A:ILE:HD12	1:61:A:LEU:HD23	20	0.62	0.08	0.62
(1,806)	1:80:B:ILE:HD12	1:61:B:LEU:HD22	20	0.62	0.08	0.62
(1,806)	1:80:B:ILE:HD11	1:61:B:LEU:HD22	20	0.62	0.08	0.62
(1,806)	1:80:B:ILE:HD13	1:61:B:LEU:HD22	20	0.62	0.08	0.62
(1,806)	1:80:B:ILE:HD13	1:61:B:LEU:HD21	20	0.62	0.08	0.62
(1,806)	1:80:B:ILE:HD11	1:61:B:LEU:HD23	20	0.62	0.08	0.62
(1,806)	1:80:B:ILE:HD11	1:61:B:LEU:HD21	20	0.62	0.08	0.62
(1,806)	1:80:B:ILE:HD12	1:61:B:LEU:HD23	20	0.62	0.08	0.62
(1,3537)	1:75:A:ILE:H	1:73:A:GLU:HB2	20	0.61	0.05	0.6
(1,3538)	1:75:B:ILE:H	1:73:B:GLU:HB2	20	0.61	0.05	0.6
(1,2082)	1:78:B:VAL:HG21	1:74:B:PHE:HA	20	0.61	0.11	0.59
(1,2082)	1:78:B:VAL:HG23	1:74:B:PHE:HA	20	0.61	0.11	0.59
(1,2082)	1:78:B:VAL:HG22	1:74:B:PHE:HA	20	0.61	0.11	0.59
(1,2081)	1:78:A:VAL:HG21	1:74:A:PHE:HA	20	0.61	0.11	0.6
(1,2081)	1:78:A:VAL:HG23	1:74:A:PHE:HA	20	0.61	0.11	0.6
(1,2081)	1:78:A:VAL:HG22	1:74:A:PHE:HA	20	0.61	0.11	0.6
(1,3114)	1:8:B:LEU:HG	1:6:B:GLU:HA	20	0.61	0.3	0.58
(1,3113)	1:8:A:LEU:HG	1:6:A:GLU:HA	20	0.61	0.3	0.57
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD22	20	0.6	0.05	0.6
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD21	20	0.6	0.05	0.6
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD23	20	0.6	0.05	0.6
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD22	20	0.6	0.05	0.6
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD21	20	0.6	0.05	0.6
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD23	20	0.6	0.05	0.6
(1,3116)	1:8:B:LEU:HG	1:6:B:GLU:HA	20	0.6	0.3	0.58
(1,3116)	1:57:B:ILE:HG23	1:56:B:GLU:HA	20	0.6	0.3	0.58
(1,3115)	1:8:A:LEU:HG	1:6:A:GLU:HA	20	0.6	0.3	0.57
(1,3115)	1:57:A:ILE:HG23	1:56:A:GLU:HA	20	0.6	0.3	0.57
(1,3571)	1:36:A:LEU:H	1:37:A:LEU:HG	20	0.59	0.06	0.6

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3571)	1:36:A:LEU:H	1:32:A:GLU:HB2	20	0.59	0.06	0.6
(1,3572)	1:36:B:LEU:H	1:37:B:LEU:HG	20	0.59	0.06	0.6
(1,3572)	1:36:B:LEU:H	1:32:B:GLU:HB2	20	0.59	0.06	0.6
(1,2972)	1:81:B:ALA:HB1	1:45:B:ILE:HG13	20	0.58	0.08	0.58
(1,2972)	1:81:B:ALA:HB2	1:45:B:ILE:HG13	20	0.58	0.08	0.58
(1,2972)	1:81:B:ALA:HB3	1:45:B:ILE:HG13	20	0.58	0.08	0.58
(1,2972)	1:81:B:ALA:HB1	1:44:B:THR:HG23	20	0.58	0.08	0.58
(1,2972)	1:81:B:ALA:HB2	1:44:B:THR:HG22	20	0.58	0.08	0.58
(1,2972)	1:81:B:ALA:HB3	1:44:B:THR:HG23	20	0.58	0.08	0.58
(1,2972)	1:81:B:ALA:HB3	1:44:B:THR:HG21	20	0.58	0.08	0.58
(1,2972)	1:81:B:ALA:HB3	1:44:B:THR:HG22	20	0.58	0.08	0.58
(1,2971)	1:81:A:ALA:HB1	1:45:A:ILE:HG13	20	0.58	0.09	0.58
(1,2971)	1:81:A:ALA:HB2	1:45:A:ILE:HG13	20	0.58	0.09	0.58
(1,2971)	1:81:A:ALA:HB3	1:45:A:ILE:HG13	20	0.58	0.09	0.58
(1,2971)	1:81:A:ALA:HB1	1:44:A:THR:HG23	20	0.58	0.09	0.58
(1,2971)	1:81:A:ALA:HB2	1:44:A:THR:HG22	20	0.58	0.09	0.58
(1,2971)	1:81:A:ALA:HB3	1:44:A:THR:HG23	20	0.58	0.09	0.58
(1,2971)	1:81:A:ALA:HB3	1:44:A:THR:HG21	20	0.58	0.09	0.58
(1,2971)	1:81:A:ALA:HB3	1:44:A:THR:HG22	20	0.58	0.09	0.58
(1,3177)	1:83:A:LYS:HE3	1:75:B:ILE:HD12	20	0.58	0.25	0.58
(1,3177)	1:45:A:ILE:HG23	1:91:A:LYS:HE2	20	0.58	0.25	0.58
(1,3177)	1:45:A:ILE:HG21	1:91:A:LYS:HE2	20	0.58	0.25	0.58
(1,3177)	1:83:A:LYS:HE3	1:75:B:ILE:HD13	20	0.58	0.25	0.58
(1,3177)	1:45:A:ILE:HG22	1:91:A:LYS:HE2	20	0.58	0.25	0.58
(1,3177)	1:83:A:LYS:HE2	1:75:B:ILE:HD12	20	0.58	0.25	0.58
(1,3177)	1:45:A:ILE:HG21	1:91:A:LYS:HE3	20	0.58	0.25	0.58
(1,3177)	1:83:A:LYS:HE2	1:75:B:ILE:HD11	20	0.58	0.25	0.58
(1,3177)	1:83:A:LYS:HE3	1:75:B:ILE:HD11	20	0.58	0.25	0.58
(1,3177)	1:83:A:LYS:HE2	1:75:B:ILE:HD13	20	0.58	0.25	0.58
(1,3178)	1:83:B:LYS:HE3	1:75:A:ILE:HD12	20	0.58	0.25	0.58
(1,3178)	1:45:B:ILE:HG23	1:91:B:LYS:HE2	20	0.58	0.25	0.58
(1,3178)	1:45:B:ILE:HG21	1:91:B:LYS:HE2	20	0.58	0.25	0.58
(1,3178)	1:83:B:LYS:HE3	1:75:A:ILE:HD13	20	0.58	0.25	0.58
(1,3178)	1:45:B:ILE:HG22	1:91:B:LYS:HE2	20	0.58	0.25	0.58
(1,3178)	1:83:B:LYS:HE2	1:75:A:ILE:HD12	20	0.58	0.25	0.58
(1,3178)	1:45:B:ILE:HG21	1:91:B:LYS:HE3	20	0.58	0.25	0.58
(1,3178)	1:83:B:LYS:HE2	1:75:A:ILE:HD11	20	0.58	0.25	0.58
(1,3178)	1:83:B:LYS:HE3	1:75:A:ILE:HD11	20	0.58	0.25	0.58
(1,3178)	1:83:B:LYS:HE2	1:75:A:ILE:HD13	20	0.58	0.25	0.58
(1,2817)	1:53:A:VAL:HG12	1:46:A:LYS:HG3	20	0.57	0.1	0.55
(1,2817)	1:53:A:VAL:HG11	1:46:A:LYS:HG3	20	0.57	0.1	0.55
(1,2817)	1:53:A:VAL:HG13	1:46:A:LYS:HG3	20	0.57	0.1	0.55

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3729)	1:37:A:LEU:H	1:33:A:LEU:HD13	20	0.56	0.08	0.58
(1,3729)	1:37:A:LEU:H	1:36:A:LEU:HG	20	0.56	0.08	0.58
(1,3729)	1:37:A:LEU:H	1:33:A:LEU:HD11	20	0.56	0.08	0.58
(1,3729)	1:37:A:LEU:H	1:33:A:LEU:HD12	20	0.56	0.08	0.58
(1,3730)	1:37:B:LEU:H	1:33:B:LEU:HD13	20	0.56	0.09	0.58
(1,3730)	1:37:B:LEU:H	1:36:B:LEU:HG	20	0.56	0.09	0.58
(1,3730)	1:37:B:LEU:H	1:33:B:LEU:HD11	20	0.56	0.09	0.58
(1,3730)	1:37:B:LEU:H	1:33:B:LEU:HD12	20	0.56	0.09	0.58
(1,2818)	1:53:B:VAL:HG12	1:46:B:LYS:HG3	20	0.56	0.1	0.55
(1,2818)	1:53:B:VAL:HG11	1:46:B:LYS:HG3	20	0.56	0.1	0.55
(1,2818)	1:53:B:VAL:HG13	1:46:B:LYS:HG3	20	0.56	0.1	0.55
(1,2829)	1:79:A:ALA:HB3	1:80:A:ILE:HA	20	0.56	0.03	0.56
(1,2829)	1:79:A:ALA:HB1	1:80:A:ILE:HA	20	0.56	0.03	0.56
(1,2829)	1:79:A:ALA:HB2	1:80:A:ILE:HA	20	0.56	0.03	0.56
(1,2830)	1:79:B:ALA:HB3	1:80:B:ILE:HA	20	0.56	0.03	0.56
(1,2830)	1:79:B:ALA:HB1	1:80:B:ILE:HA	20	0.56	0.03	0.56
(1,2830)	1:79:B:ALA:HB2	1:80:B:ILE:HA	20	0.56	0.03	0.56
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB2	20	0.56	0.08	0.56
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB3	20	0.56	0.08	0.56
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB2	20	0.56	0.08	0.55
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB3	20	0.56	0.08	0.55
(1,575)	1:61:A:LEU:HD21	1:61:A:LEU:HB2	20	0.56	0.02	0.56
(1,575)	1:61:A:LEU:HD23	1:61:A:LEU:HB2	20	0.56	0.02	0.56
(1,575)	1:61:A:LEU:HD22	1:61:A:LEU:HB2	20	0.56	0.02	0.56
(1,576)	1:61:B:LEU:HD21	1:61:B:LEU:HB2	20	0.55	0.02	0.56
(1,576)	1:61:B:LEU:HD23	1:61:B:LEU:HB2	20	0.55	0.02	0.56
(1,576)	1:61:B:LEU:HD22	1:61:B:LEU:HB2	20	0.55	0.02	0.56
(1,2653)	1:59:A:GLN:HB2	1:57:A:ILE:HB	20	0.55	0.05	0.56
(1,2654)	1:59:B:GLN:HB2	1:57:B:ILE:HB	20	0.55	0.05	0.56
(1,2553)	1:79:A:ALA:HA	1:78:A:VAL:HB	20	0.55	0.08	0.56
(1,2553)	1:79:A:ALA:HA	1:78:B:VAL:HB	20	0.55	0.08	0.56
(1,2554)	1:79:B:ALA:HA	1:78:B:VAL:HB	20	0.55	0.08	0.56
(1,2554)	1:79:B:ALA:HA	1:78:A:VAL:HB	20	0.55	0.08	0.56
(1,3120)	1:82:B:LEU:HA	1:12:A:VAL:HG22	20	0.55	0.17	0.51
(1,3120)	1:82:B:LEU:HA	1:8:A:LEU:HD23	20	0.55	0.17	0.51
(1,3120)	1:82:B:LEU:HA	1:8:A:LEU:HD22	20	0.55	0.17	0.51
(1,3120)	1:82:B:LEU:HA	1:12:A:VAL:HG23	20	0.55	0.17	0.51
(1,3120)	1:82:B:LEU:HA	1:8:A:LEU:HD21	20	0.55	0.17	0.51
(1,3120)	1:82:B:LEU:HA	1:12:A:VAL:HG21	20	0.55	0.17	0.51
(1,2952)	1:82:B:LEU:HG	1:83:B:LYS:HA	20	0.54	0.04	0.53
(1,3119)	1:82:A:LEU:HA	1:12:B:VAL:HG22	20	0.54	0.17	0.51
(1,3119)	1:82:A:LEU:HA	1:8:B:LEU:HD23	20	0.54	0.17	0.51

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3119)	1:82:A:LEU:HA	1:8:B:LEU:HD22	20	0.54	0.17	0.51
(1,3119)	1:82:A:LEU:HA	1:12:B:VAL:HG23	20	0.54	0.17	0.51
(1,3119)	1:82:A:LEU:HA	1:8:B:LEU:HD21	20	0.54	0.17	0.51
(1,3119)	1:82:A:LEU:HA	1:12:B:VAL:HG21	20	0.54	0.17	0.51
(1,2951)	1:82:A:LEU:HG	1:83:A:LYS:HA	20	0.54	0.04	0.53
(1,3607)	1:43:A:ASN:H	1:49:A:LYS:HD3	20	0.54	0.12	0.55
(1,3607)	1:43:A:ASN:H	1:45:A:ILE:HB	20	0.54	0.12	0.55
(1,3608)	1:43:B:ASN:H	1:49:B:LYS:HD3	20	0.54	0.12	0.55
(1,3608)	1:43:B:ASN:H	1:45:B:ILE:HB	20	0.54	0.12	0.55
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB3	20	0.53	0.03	0.54
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB1	20	0.53	0.03	0.54
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB2	20	0.53	0.03	0.54
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB3	20	0.53	0.03	0.54
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB1	20	0.53	0.03	0.54
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB2	20	0.53	0.03	0.54
(1,1803)	1:85:A:ALA:HB1	1:12:B:VAL:H	20	0.53	0.15	0.51
(1,1803)	1:84:A:ALA:H	1:85:A:ALA:HB2	20	0.53	0.15	0.51
(1,1803)	1:85:A:ALA:HB3	1:12:B:VAL:H	20	0.53	0.15	0.51
(1,1803)	1:84:A:ALA:H	1:85:A:ALA:HB1	20	0.53	0.15	0.51
(1,1803)	1:56:A:GLU:H	1:52:A:ALA:HB3	20	0.53	0.15	0.51
(1,1803)	1:56:A:GLU:H	1:52:A:ALA:HB2	20	0.53	0.15	0.51
(1,1704)	1:8:B:LEU:HG	1:45:A:ILE:HG13	20	0.53	0.08	0.55
(1,1703)	1:8:A:LEU:HG	1:45:B:ILE:HG13	20	0.53	0.08	0.54
(1,2351)	1:36:A:LEU:HB3	1:40:A:GLU:HB2	20	0.53	0.1	0.51
(1,2351)	1:36:A:LEU:HB2	1:40:A:GLU:HB2	20	0.53	0.1	0.51
(1,1804)	1:85:B:ALA:HB1	1:12:A:VAL:H	20	0.53	0.14	0.5
(1,1804)	1:84:B:ALA:H	1:85:B:ALA:HB2	20	0.53	0.14	0.5
(1,1804)	1:85:B:ALA:HB3	1:12:A:VAL:H	20	0.53	0.14	0.5
(1,1804)	1:84:B:ALA:H	1:85:B:ALA:HB1	20	0.53	0.14	0.5
(1,1804)	1:56:B:GLU:H	1:52:B:ALA:HB2	20	0.53	0.14	0.5
(1,2352)	1:36:B:LEU:HB3	1:40:B:GLU:HB2	20	0.52	0.1	0.51
(1,2352)	1:36:B:LEU:HB2	1:40:B:GLU:HB2	20	0.52	0.1	0.51
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG13	20	0.52	0.03	0.52
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG12	20	0.52	0.03	0.52
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG11	20	0.52	0.03	0.52
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG13	20	0.52	0.03	0.52
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG12	20	0.52	0.03	0.52
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG11	20	0.52	0.03	0.52
(2,137)	1:75:A:ILE:H	1:61:A:LEU:HB2	20	0.51	0.06	0.52
(2,138)	1:75:B:ILE:H	1:61:B:LEU:HB2	20	0.51	0.06	0.52
(1,3625)	1:38:A:THR:H	1:54:A:ILE:HG12	20	0.51	0.19	0.55
(1,3626)	1:38:B:THR:H	1:54:B:ILE:HG12	20	0.51	0.19	0.54

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG2	20	0.51	0.09	0.53
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG3	20	0.51	0.09	0.53
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG2	20	0.51	0.09	0.53
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG3	20	0.51	0.09	0.53
(1,550)	1:37:B:LEU:HB3	1:37:B:LEU:HG	20	0.5	0.0	0.5
(1,123)	1:36:A:LEU:HD22	1:42:A:ALA:H	20	0.5	0.08	0.54
(1,123)	1:36:A:LEU:HD21	1:42:A:ALA:H	20	0.5	0.08	0.54
(1,123)	1:36:A:LEU:HD23	1:42:A:ALA:H	20	0.5	0.08	0.54
(1,549)	1:37:A:LEU:HB3	1:37:A:LEU:HG	20	0.5	0.0	0.5
(1,2641)	1:33:A:LEU:HB3	1:34:A:LYS:HB3	20	0.5	0.13	0.51
(1,2641)	1:33:A:LEU:HB3	1:34:A:LYS:HB2	20	0.5	0.13	0.51
(1,2641)	1:33:A:LEU:HB3	1:37:A:LEU:HG	20	0.5	0.13	0.51
(1,124)	1:36:B:LEU:HD22	1:42:B:ALA:H	20	0.5	0.07	0.53
(1,124)	1:36:B:LEU:HD21	1:42:B:ALA:H	20	0.5	0.07	0.53
(1,124)	1:36:B:LEU:HD23	1:42:B:ALA:H	20	0.5	0.07	0.53
(1,2642)	1:33:B:LEU:HB3	1:34:B:LYS:HB3	20	0.5	0.13	0.51
(1,2642)	1:33:B:LEU:HB3	1:34:B:LYS:HB2	20	0.5	0.13	0.51
(1,2642)	1:33:B:LEU:HB3	1:37:B:LEU:HG	20	0.5	0.13	0.51
(1,3667)	1:40:A:GLU:H	1:37:A:LEU:HB2	20	0.5	0.03	0.5
(1,3668)	1:40:B:GLU:H	1:37:B:LEU:HB2	20	0.5	0.03	0.5
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG13	20	0.49	0.07	0.51
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG12	20	0.49	0.07	0.51
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG11	20	0.49	0.07	0.51
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG13	20	0.49	0.07	0.51
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG12	20	0.49	0.07	0.51
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG11	20	0.49	0.07	0.51
(1,2827)	1:81:A:ALA:HB1	1:81:A:ALA:HB3	20	0.49	0.0	0.49
(1,2827)	1:81:A:ALA:HB2	1:81:A:ALA:HB1	20	0.49	0.0	0.49
(1,2827)	1:84:A:ALA:HB1	1:84:A:ALA:HB3	20	0.49	0.0	0.49
(1,2827)	1:85:A:ALA:HB1	1:85:A:ALA:HB3	20	0.49	0.0	0.49
(1,2827)	1:81:A:ALA:HB2	1:81:A:ALA:HB3	20	0.49	0.0	0.49
(1,2827)	1:84:A:ALA:HB2	1:84:A:ALA:HB1	20	0.49	0.0	0.49
(1,2828)	1:81:B:ALA:HB1	1:81:B:ALA:HB3	20	0.49	0.0	0.49
(1,2828)	1:81:B:ALA:HB2	1:81:B:ALA:HB1	20	0.49	0.0	0.49
(1,2828)	1:84:B:ALA:HB1	1:84:B:ALA:HB3	20	0.49	0.0	0.49
(1,2828)	1:81:B:ALA:HB2	1:81:B:ALA:HB3	20	0.49	0.0	0.49
(1,3611)	1:34:A:LYS:H	1:36:A:LEU:HB3	20	0.49	0.09	0.49
(1,3612)	1:34:B:LYS:H	1:36:B:LEU:HB3	20	0.49	0.09	0.48
(1,2826)	1:42:B:ALA:HB2	1:42:B:ALA:HB1	20	0.48	0.0	0.48
(1,2826)	1:63:B:ALA:HB1	1:63:B:ALA:HB3	20	0.48	0.0	0.48
(1,2826)	1:63:B:ALA:HB2	1:63:B:ALA:HB3	20	0.48	0.0	0.48
(1,2826)	1:52:B:ALA:HB2	1:52:B:ALA:HB3	20	0.48	0.0	0.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2826)	1:63:B:ALA:HB2	1:63:B:ALA:HB1	20	0.48	0.0	0.48
(1,2826)	1:42:B:ALA:HB1	1:42:B:ALA:HB3	20	0.48	0.0	0.48
(1,2826)	1:42:B:ALA:HB2	1:42:B:ALA:HB3	20	0.48	0.0	0.48
(1,2825)	1:42:A:ALA:HB2	1:42:A:ALA:HB3	20	0.48	0.0	0.48
(1,2825)	1:42:A:ALA:HB1	1:42:A:ALA:HB3	20	0.48	0.0	0.48
(1,2825)	1:42:A:ALA:HB2	1:42:A:ALA:HB1	20	0.48	0.0	0.48
(1,2825)	1:63:A:ALA:HB2	1:63:A:ALA:HB3	20	0.48	0.0	0.48
(1,2825)	1:63:A:ALA:HB2	1:63:A:ALA:HB1	20	0.48	0.0	0.48
(1,2825)	1:52:A:ALA:HB1	1:52:A:ALA:HB3	20	0.48	0.0	0.48
(1,2825)	1:63:A:ALA:HB1	1:63:A:ALA:HB3	20	0.48	0.0	0.48
(1,2072)	1:74:B:PHE:HA	1:76:B:SER:HB3	20	0.48	0.19	0.45
(1,2071)	1:74:A:PHE:HA	1:76:A:SER:HB3	20	0.48	0.19	0.45
(1,2970)	1:44:B:THR:HG22	1:44:B:THR:HG23	20	0.48	0.0	0.48
(1,2970)	1:44:B:THR:HG21	1:44:B:THR:HG22	20	0.48	0.0	0.48
(1,2970)	1:44:B:THR:HG21	1:44:B:THR:HG23	20	0.48	0.0	0.48
(1,2970)	1:89:B:THR:HG21	1:89:B:THR:HG22	20	0.48	0.0	0.48
(1,2970)	1:89:B:THR:HG22	1:89:B:THR:HG23	20	0.48	0.0	0.48
(1,2969)	1:89:A:THR:HG22	1:89:A:THR:HG23	20	0.48	0.0	0.48
(1,2969)	1:44:A:THR:HG22	1:44:A:THR:HG23	20	0.48	0.0	0.48
(1,2969)	1:44:A:THR:HG21	1:44:A:THR:HG23	20	0.48	0.0	0.48
(1,2969)	1:44:A:THR:HG21	1:44:A:THR:HG22	20	0.48	0.0	0.48
(1,3109)	1:45:A:ILE:HG22	1:45:A:ILE:HG23	20	0.47	0.0	0.47
(1,3109)	1:57:A:ILE:HG21	1:57:A:ILE:HG23	20	0.47	0.0	0.47
(1,3109)	1:80:A:ILE:HG21	1:80:A:ILE:HG23	20	0.47	0.0	0.47
(1,3109)	1:80:A:ILE:HG22	1:80:A:ILE:HG23	20	0.47	0.0	0.47
(1,3109)	1:57:A:ILE:HG22	1:57:A:ILE:HG23	20	0.47	0.0	0.47
(1,3109)	1:57:A:ILE:HG22	1:57:A:ILE:HG21	20	0.47	0.0	0.47
(1,3109)	1:54:A:ILE:HG21	1:54:A:ILE:HG23	20	0.47	0.0	0.47
(1,3110)	1:45:B:ILE:HG21	1:45:B:ILE:HG23	20	0.47	0.0	0.47
(1,3110)	1:45:B:ILE:HG22	1:45:B:ILE:HG21	20	0.47	0.0	0.47
(1,3110)	1:80:B:ILE:HG21	1:80:B:ILE:HG23	20	0.47	0.0	0.47
(1,3110)	1:57:B:ILE:HG21	1:57:B:ILE:HG23	20	0.47	0.0	0.47
(1,3110)	1:45:B:ILE:HG22	1:45:B:ILE:HG23	20	0.47	0.0	0.47
(1,3110)	1:57:B:ILE:HG22	1:57:B:ILE:HG23	20	0.47	0.0	0.47
(1,3110)	1:80:B:ILE:HG22	1:80:B:ILE:HG23	20	0.47	0.0	0.47
(1,3110)	1:54:B:ILE:HG22	1:54:B:ILE:HG21	20	0.47	0.0	0.47
(1,3110)	1:54:B:ILE:HG22	1:54:B:ILE:HG23	20	0.47	0.0	0.47
(1,1806)	1:57:B:ILE:HG23	1:61:B:LEU:H	20	0.47	0.12	0.49
(1,1806)	1:57:B:ILE:HG22	1:61:B:LEU:H	20	0.47	0.12	0.49
(1,1806)	1:57:B:ILE:HG21	1:61:B:LEU:H	20	0.47	0.12	0.49
(1,1805)	1:57:A:ILE:HG23	1:61:A:LEU:H	20	0.47	0.12	0.49
(1,1805)	1:57:A:ILE:HG22	1:61:A:LEU:H	20	0.47	0.12	0.49

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1805)	1:57:A:ILE:HG21	1:61:A:LEU:H	20	0.47	0.12	0.49
(1,1890)	1:49:B:LYS:HD2	1:50:B:ASP:HA	20	0.46	0.04	0.46
(1,1890)	1:91:B:LYS:HD3	1:90:B:HIS:HA	20	0.46	0.04	0.46
(1,1889)	1:49:A:LYS:HD2	1:50:A:ASP:HA	20	0.46	0.03	0.46
(1,1889)	1:91:A:LYS:HD3	1:90:A:HIS:HA	20	0.46	0.03	0.46
(1,2939)	1:51:A:LYS:HD2	1:54:A:ILE:HD13	20	0.46	0.15	0.48
(1,2939)	1:51:A:LYS:HD2	1:54:A:ILE:HD11	20	0.46	0.15	0.48
(1,2939)	1:51:A:LYS:HD2	1:54:A:ILE:HD12	20	0.46	0.15	0.48
(1,2939)	1:51:A:LYS:HD3	1:54:A:ILE:HD13	20	0.46	0.15	0.48
(1,2939)	1:51:A:LYS:HD3	1:54:A:ILE:HD12	20	0.46	0.15	0.48
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD11	20	0.46	0.14	0.5
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD13	20	0.46	0.14	0.5
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD12	20	0.46	0.14	0.5
(1,3725)	1:41:A:LEU:H	1:48:A:ILE:HG13	20	0.46	0.12	0.44
(1,3725)	1:41:A:LEU:H	1:36:A:LEU:HG	20	0.46	0.12	0.44
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD11	20	0.46	0.13	0.5
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD13	20	0.46	0.13	0.5
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD12	20	0.46	0.13	0.5
(1,2940)	1:51:B:LYS:HD2	1:54:B:ILE:HD13	20	0.46	0.15	0.48
(1,2940)	1:51:B:LYS:HD2	1:54:B:ILE:HD11	20	0.46	0.15	0.48
(1,2940)	1:51:B:LYS:HD2	1:54:B:ILE:HD12	20	0.46	0.15	0.48
(1,2940)	1:51:B:LYS:HD3	1:54:B:ILE:HD13	20	0.46	0.15	0.48
(1,2940)	1:51:B:LYS:HD3	1:54:B:ILE:HD12	20	0.46	0.15	0.48
(1,3726)	1:41:B:LEU:H	1:48:B:ILE:HG13	20	0.46	0.12	0.44
(1,3726)	1:41:B:LEU:H	1:36:B:LEU:HG	20	0.46	0.12	0.44
(1,2296)	1:59:B:GLN:HG2	1:55:B:ASP:HB3	20	0.46	0.2	0.42
(1,2296)	1:59:B:GLN:HG3	1:55:B:ASP:HB3	20	0.46	0.2	0.42
(1,2295)	1:59:A:GLN:HG2	1:55:A:ASP:HB3	20	0.45	0.2	0.42
(1,2295)	1:59:A:GLN:HG3	1:55:A:ASP:HB3	20	0.45	0.2	0.42
(1,3682)	1:39:B:LYS:H	1:37:B:LEU:HB2	20	0.45	0.09	0.46
(1,3682)	1:86:B:HIS:H	1:83:B:LYS:HG2	20	0.45	0.09	0.46
(1,3681)	1:39:A:LYS:H	1:37:A:LEU:HB2	20	0.45	0.09	0.46
(1,3681)	1:86:A:HIS:H	1:83:A:LYS:HG2	20	0.45	0.09	0.46
(1,2477)	1:55:A:ASP:HB3	1:56:A:GLU:HB2	20	0.45	0.12	0.4
(1,2477)	1:55:A:ASP:HB3	1:59:A:GLN:HB2	20	0.45	0.12	0.4
(1,2478)	1:55:B:ASP:HB3	1:56:B:GLU:HB2	20	0.45	0.12	0.4
(1,2478)	1:55:B:ASP:HB3	1:59:B:GLN:HB2	20	0.45	0.12	0.4
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG22	20	0.44	0.14	0.44
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG21	20	0.44	0.14	0.44
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG23	20	0.44	0.14	0.44
(1,3086)	1:11:B:ILE:HB	1:82:A:LEU:HD11	20	0.44	0.14	0.44
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG22	20	0.44	0.14	0.44

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG21	20	0.44	0.14	0.44
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG23	20	0.44	0.14	0.44
(1,3085)	1:11:A:ILE:HB	1:82:B:LEU:HD11	20	0.44	0.14	0.44
(1,1895)	1:12:A:VAL:HG23	1:13:A:ASN:HA	20	0.44	0.06	0.45
(1,1895)	1:12:A:VAL:HG22	1:13:A:ASN:HA	20	0.44	0.06	0.45
(1,1895)	1:12:A:VAL:HG21	1:13:A:ASN:HA	20	0.44	0.06	0.45
(1,1896)	1:12:B:VAL:HG23	1:13:B:ASN:HA	20	0.44	0.06	0.46
(1,1896)	1:12:B:VAL:HG22	1:13:B:ASN:HA	20	0.44	0.06	0.46
(1,1896)	1:12:B:VAL:HG21	1:13:B:ASN:HA	20	0.44	0.06	0.46
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD13	20	0.44	0.1	0.46
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD11	20	0.44	0.1	0.46
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD12	20	0.44	0.1	0.46
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD13	20	0.44	0.1	0.46
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD11	20	0.44	0.1	0.46
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD12	20	0.44	0.1	0.46
(1,1480)	1:8:B:LEU:H	1:8:B:LEU:HB3	20	0.44	0.02	0.44
(1,3709)	1:44:A:THR:H	1:45:A:ILE:HG13	20	0.44	0.11	0.42
(1,3709)	1:44:A:THR:H	1:44:A:THR:HG21	20	0.44	0.11	0.42
(1,3709)	1:44:A:THR:H	1:44:A:THR:HG22	20	0.44	0.11	0.42
(1,2811)	1:37:A:LEU:HD21	1:33:A:LEU:HG	20	0.44	0.11	0.4
(1,2811)	1:37:A:LEU:HD23	1:33:A:LEU:HG	20	0.44	0.11	0.4
(1,2811)	1:37:A:LEU:HD22	1:33:A:LEU:HG	20	0.44	0.11	0.4
(1,3710)	1:44:B:THR:H	1:45:B:ILE:HG13	20	0.43	0.11	0.42
(1,3710)	1:44:B:THR:H	1:44:B:THR:HG21	20	0.43	0.11	0.42
(1,3710)	1:44:B:THR:H	1:44:B:THR:HG22	20	0.43	0.11	0.42
(1,1479)	1:8:A:LEU:H	1:8:A:LEU:HB3	20	0.43	0.02	0.44
(1,2812)	1:37:B:LEU:HD21	1:33:B:LEU:HG	20	0.43	0.11	0.4
(1,2812)	1:37:B:LEU:HD23	1:33:B:LEU:HG	20	0.43	0.11	0.4
(1,2812)	1:37:B:LEU:HD22	1:33:B:LEU:HG	20	0.43	0.11	0.4
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD12	20	0.43	0.13	0.45
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD13	20	0.43	0.13	0.45
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD11	20	0.43	0.13	0.45
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD12	20	0.43	0.13	0.44
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD13	20	0.43	0.13	0.44
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD11	20	0.43	0.13	0.44
(1,1744)	1:63:B:ALA:H	1:61:B:LEU:HG	20	0.43	0.06	0.44
(1,1743)	1:63:A:ALA:H	1:61:A:LEU:HG	20	0.43	0.06	0.45
(1,309)	1:53:A:VAL:HG21	1:54:A:ILE:HA	20	0.42	0.03	0.42
(1,309)	1:53:A:VAL:HG22	1:54:A:ILE:HA	20	0.42	0.03	0.42
(1,309)	1:53:A:VAL:HG23	1:54:A:ILE:HA	20	0.42	0.03	0.42
(1,310)	1:53:B:VAL:HG21	1:54:B:ILE:HA	20	0.42	0.03	0.42
(1,310)	1:53:B:VAL:HG22	1:54:B:ILE:HA	20	0.42	0.03	0.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,310)	1:53:B:VAL:HG23	1:54:B:ILE:HA	20	0.42	0.03	0.42
(1,2855)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	20	0.42	0.05	0.4
(1,2855)	1:51:A:LYS:HG2	1:51:A:LYS:HD3	20	0.42	0.05	0.4
(1,2856)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	20	0.41	0.05	0.4
(1,2856)	1:51:B:LYS:HG2	1:51:B:LYS:HD3	20	0.41	0.05	0.4
(1,776)	1:48:B:ILE:HG21	1:48:B:ILE:HG23	20	0.41	0.0	0.41
(1,776)	1:48:B:ILE:HG22	1:48:B:ILE:HG23	20	0.41	0.0	0.41
(1,776)	1:48:B:ILE:HG22	1:48:B:ILE:HG21	20	0.41	0.0	0.41
(1,775)	1:48:A:ILE:HG22	1:48:A:ILE:HG21	20	0.41	0.0	0.41
(1,775)	1:48:A:ILE:HG21	1:48:A:ILE:HG23	20	0.41	0.0	0.41
(1,775)	1:48:A:ILE:HG22	1:48:A:ILE:HG23	20	0.41	0.0	0.41
(1,1887)	1:51:A:LYS:HD2	1:50:A:ASP:HA	20	0.41	0.05	0.42
(1,1887)	1:49:A:LYS:HD2	1:50:A:ASP:HA	20	0.41	0.05	0.42
(1,1887)	1:51:A:LYS:HD3	1:50:A:ASP:HA	20	0.41	0.05	0.42
(1,1888)	1:51:B:LYS:HD2	1:50:B:ASP:HA	20	0.41	0.05	0.41
(1,1888)	1:49:B:LYS:HD2	1:50:B:ASP:HA	20	0.41	0.05	0.41
(1,1888)	1:51:B:LYS:HD3	1:50:B:ASP:HA	20	0.41	0.05	0.41
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB2	20	0.41	0.08	0.4
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB1	20	0.41	0.08	0.4
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB3	20	0.41	0.08	0.4
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB2	20	0.41	0.08	0.4
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB1	20	0.41	0.08	0.4
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB3	20	0.41	0.08	0.4
(1,2505)	1:61:A:LEU:HG	1:60:A:GLY:HA3	20	0.41	0.08	0.4
(1,2506)	1:61:B:LEU:HG	1:60:B:GLY:HA3	20	0.4	0.07	0.4
(1,2867)	1:77:A:LEU:HA	1:80:A:ILE:HG12	20	0.4	0.05	0.41
(1,2868)	1:77:B:LEU:HA	1:80:B:ILE:HG12	20	0.4	0.05	0.41
(1,2892)	1:82:B:LEU:HG	1:78:B:VAL:HB	20	0.4	0.08	0.38
(1,2892)	1:78:B:VAL:HB	1:82:A:LEU:HG	20	0.4	0.08	0.38
(1,2891)	1:82:A:LEU:HG	1:78:A:VAL:HB	20	0.4	0.08	0.38
(1,2891)	1:78:A:VAL:HB	1:82:B:LEU:HG	20	0.4	0.08	0.38
(1,759)	1:80:A:ILE:HD12	1:80:A:ILE:HD11	20	0.39	0.0	0.39
(1,759)	1:80:A:ILE:HD11	1:80:A:ILE:HD13	20	0.39	0.0	0.39
(1,759)	1:80:A:ILE:HD12	1:80:A:ILE:HD13	20	0.39	0.0	0.39
(1,760)	1:80:B:ILE:HD12	1:80:B:ILE:HD11	20	0.39	0.0	0.39
(1,760)	1:80:B:ILE:HD11	1:80:B:ILE:HD13	20	0.39	0.0	0.39
(1,760)	1:80:B:ILE:HD12	1:80:B:ILE:HD13	20	0.39	0.0	0.39
(1,799)	1:75:A:ILE:HD12	1:75:A:ILE:HD13	20	0.39	0.0	0.39
(1,799)	1:75:A:ILE:HD12	1:75:A:ILE:HD11	20	0.39	0.0	0.39
(1,799)	1:75:A:ILE:HD11	1:75:A:ILE:HD13	20	0.39	0.0	0.39
(1,800)	1:75:B:ILE:HD12	1:75:B:ILE:HD13	20	0.39	0.0	0.39
(1,800)	1:75:B:ILE:HD11	1:75:B:ILE:HD13	20	0.39	0.0	0.39

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,800)	1:75:B:ILE:HD12	1:75:B:ILE:HD11	20	0.39	0.0	0.39
(1,2680)	1:49:B:LYS:HB2	1:47:B:ASN:HB3	20	0.39	0.12	0.38
(1,2680)	1:46:B:LYS:HB2	1:47:B:ASN:HB3	20	0.39	0.12	0.38
(1,2679)	1:49:A:LYS:HB2	1:47:A:ASN:HB3	20	0.39	0.11	0.38
(1,2679)	1:46:A:LYS:HB2	1:47:A:ASN:HB3	20	0.39	0.11	0.38
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB3	20	0.38	0.09	0.38
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB1	20	0.38	0.09	0.38
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB2	20	0.38	0.09	0.38
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB3	20	0.38	0.1	0.38
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB1	20	0.38	0.1	0.38
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB2	20	0.38	0.1	0.38
(1,3236)	1:12:B:VAL:H	1:14:B:ILE:H	20	0.38	0.09	0.38
(1,3236)	1:7:B:HIS:H	1:9:B:GLU:H	20	0.38	0.09	0.38
(1,3235)	1:12:A:VAL:H	1:14:A:ILE:H	20	0.38	0.09	0.38
(1,3235)	1:7:A:HIS:H	1:9:A:GLU:H	20	0.38	0.09	0.38
(1,2145)	1:79:A:ALA:HB3	1:80:A:ILE:HA	20	0.38	0.03	0.38
(1,2145)	1:79:A:ALA:HB1	1:80:A:ILE:HA	20	0.38	0.03	0.38
(1,2145)	1:79:A:ALA:HB2	1:80:A:ILE:HA	20	0.38	0.03	0.38
(1,2146)	1:79:B:ALA:HB3	1:80:B:ILE:HA	20	0.37	0.03	0.37
(1,2146)	1:79:B:ALA:HB1	1:80:B:ILE:HA	20	0.37	0.03	0.37
(1,2146)	1:79:B:ALA:HB2	1:80:B:ILE:HA	20	0.37	0.03	0.37
(1,2581)	1:80:A:ILE:HB	1:81:A:ALA:HA	20	0.37	0.05	0.36
(1,2582)	1:80:B:ILE:HB	1:81:B:ALA:HA	20	0.37	0.05	0.36
(1,807)	1:45:A:ILE:HD11	1:45:A:ILE:HD13	20	0.37	0.0	0.37
(1,807)	1:45:A:ILE:HD12	1:45:A:ILE:HD11	20	0.37	0.0	0.37
(1,807)	1:45:A:ILE:HD12	1:45:A:ILE:HD13	20	0.37	0.0	0.37
(1,808)	1:45:B:ILE:HD11	1:45:B:ILE:HD13	20	0.37	0.0	0.37
(1,808)	1:45:B:ILE:HD12	1:45:B:ILE:HD11	20	0.37	0.0	0.37
(1,808)	1:45:B:ILE:HD12	1:45:B:ILE:HD13	20	0.37	0.0	0.37
(1,797)	1:48:A:ILE:HD11	1:48:A:ILE:HD13	20	0.37	0.0	0.37
(1,797)	1:48:A:ILE:HD12	1:48:A:ILE:HD13	20	0.37	0.0	0.37
(1,797)	1:48:A:ILE:HD12	1:48:A:ILE:HD11	20	0.37	0.0	0.37
(1,798)	1:48:B:ILE:HD12	1:48:B:ILE:HD13	20	0.37	0.0	0.37
(1,798)	1:48:B:ILE:HD11	1:48:B:ILE:HD13	20	0.37	0.0	0.37
(1,798)	1:48:B:ILE:HD12	1:48:B:ILE:HD11	20	0.37	0.0	0.37
(1,609)	1:63:A:ALA:HB2	1:62:A:ASP:HB3	20	0.37	0.06	0.38
(1,609)	1:63:A:ALA:HB1	1:62:A:ASP:HB3	20	0.37	0.06	0.38
(1,609)	1:63:A:ALA:HB3	1:62:A:ASP:HB3	20	0.37	0.06	0.38
(1,610)	1:63:B:ALA:HB2	1:62:B:ASP:HB3	20	0.37	0.06	0.38
(1,610)	1:63:B:ALA:HB1	1:62:B:ASP:HB3	20	0.37	0.06	0.38
(1,610)	1:63:B:ALA:HB3	1:62:B:ASP:HB3	20	0.37	0.06	0.38
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG21	20	0.36	0.09	0.38

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG22	20	0.36	0.09	0.38
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG23	20	0.36	0.09	0.38
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG21	20	0.36	0.09	0.38
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG22	20	0.36	0.09	0.38
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG23	20	0.36	0.09	0.38
(1,167)	1:39:A:LYS:HG3	1:39:A:LYS:HA	20	0.35	0.03	0.34
(1,168)	1:39:B:LYS:HG3	1:39:B:LYS:HA	20	0.35	0.03	0.34
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG11	20	0.35	0.04	0.34
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG13	20	0.35	0.04	0.34
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG12	20	0.35	0.04	0.34
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG11	20	0.35	0.04	0.34
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG13	20	0.35	0.04	0.34
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG12	20	0.35	0.04	0.34
(1,3045)	1:37:A:LEU:HD13	1:38:A:THR:HA	20	0.34	0.06	0.34
(1,3045)	1:38:A:THR:HA	1:37:A:LEU:HD22	20	0.34	0.06	0.34
(1,3045)	1:38:A:THR:HA	1:37:A:LEU:HD23	20	0.34	0.06	0.34
(1,3045)	1:37:A:LEU:HD11	1:38:A:THR:HA	20	0.34	0.06	0.34
(1,3045)	1:37:A:LEU:HD12	1:38:A:THR:HA	20	0.34	0.06	0.34
(1,3045)	1:38:A:THR:HA	1:37:A:LEU:HD21	20	0.34	0.06	0.34
(1,3046)	1:37:B:LEU:HD13	1:38:B:THR:HA	20	0.34	0.06	0.34
(1,3046)	1:38:B:THR:HA	1:37:B:LEU:HD22	20	0.34	0.06	0.34
(1,3046)	1:38:B:THR:HA	1:37:B:LEU:HD23	20	0.34	0.06	0.34
(1,3046)	1:37:B:LEU:HD11	1:38:B:THR:HA	20	0.34	0.06	0.34
(1,3046)	1:37:B:LEU:HD12	1:38:B:THR:HA	20	0.34	0.06	0.34
(1,3046)	1:38:B:THR:HA	1:37:B:LEU:HD21	20	0.34	0.06	0.34
(1,646)	1:48:B:ILE:HG12	1:48:B:ILE:HA	20	0.34	0.02	0.34
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG22	20	0.34	0.09	0.34
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG23	20	0.34	0.09	0.34
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG21	20	0.34	0.09	0.34
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD12	20	0.34	0.05	0.32
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD11	20	0.34	0.05	0.32
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD13	20	0.34	0.05	0.32
(1,645)	1:48:A:ILE:HG12	1:48:A:ILE:HA	20	0.34	0.02	0.34
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG22	20	0.34	0.09	0.34
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG23	20	0.34	0.09	0.34
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG21	20	0.34	0.09	0.34
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD12	20	0.34	0.05	0.32
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD11	20	0.34	0.05	0.32
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD13	20	0.34	0.05	0.32
(1,2900)	1:91:B:LYS:HG2	1:91:B:LYS:HG3	20	0.34	0.0	0.34
(1,2900)	1:83:B:LYS:HG2	1:83:B:LYS:HG3	20	0.34	0.0	0.34
(1,2187)	1:51:A:LYS:HE2	1:51:A:LYS:HE3	20	0.34	0.0	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2187)	1:39:A:LYS:HE3	1:39:A:LYS:HE2	20	0.34	0.0	0.34
(1,2187)	1:49:A:LYS:HE2	1:49:A:LYS:HE3	20	0.34	0.0	0.34
(1,2899)	1:91:A:LYS:HG2	1:91:A:LYS:HG3	20	0.34	0.0	0.34
(1,2899)	1:83:A:LYS:HG2	1:83:A:LYS:HG3	20	0.34	0.0	0.34
(1,2188)	1:39:B:LYS:HE3	1:39:B:LYS:HE2	20	0.34	0.0	0.34
(1,2188)	1:51:B:LYS:HE2	1:51:B:LYS:HE3	20	0.34	0.0	0.34
(1,2188)	1:49:B:LYS:HE2	1:49:B:LYS:HE3	20	0.34	0.0	0.34
(1,2484)	1:54:B:ILE:HB	1:56:B:GLU:HB2	20	0.33	0.03	0.34
(1,2518)	1:54:B:ILE:HB	1:56:B:GLU:HB2	20	0.33	0.03	0.34
(1,241)	1:53:A:VAL:HG22	1:48:A:ILE:HA	20	0.33	0.04	0.33
(1,241)	1:53:A:VAL:HG23	1:48:A:ILE:HA	20	0.33	0.04	0.33
(1,241)	1:53:A:VAL:HG21	1:48:A:ILE:HA	20	0.33	0.04	0.33
(1,3322)	1:60:B:GLY:H	1:61:B:LEU:HA	20	0.33	0.03	0.32
(1,242)	1:53:B:VAL:HG22	1:48:B:ILE:HA	20	0.33	0.04	0.33
(1,242)	1:53:B:VAL:HG23	1:48:B:ILE:HA	20	0.33	0.04	0.33
(1,242)	1:53:B:VAL:HG21	1:48:B:ILE:HA	20	0.33	0.04	0.33
(1,3321)	1:60:A:GLY:H	1:61:A:LEU:HA	20	0.33	0.03	0.32
(1,2483)	1:54:A:ILE:HB	1:56:A:GLU:HB2	20	0.33	0.03	0.34
(1,2517)	1:54:A:ILE:HB	1:56:A:GLU:HB2	20	0.33	0.03	0.34
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG22	20	0.33	0.1	0.3
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG23	20	0.33	0.1	0.3
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG21	20	0.33	0.1	0.3
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG22	20	0.33	0.1	0.31
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG23	20	0.33	0.1	0.31
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG21	20	0.33	0.1	0.31
(1,2473)	1:32:A:GLU:HG2	1:31:A:GLY:HA3	20	0.32	0.07	0.3
(1,2473)	1:32:A:GLU:HG3	1:31:A:GLY:HA3	20	0.32	0.07	0.3
(1,2473)	1:9:A:GLU:HG2	1:10:A:GLY:HA2	20	0.32	0.07	0.3
(1,2474)	1:32:B:GLU:HG2	1:31:B:GLY:HA3	20	0.32	0.07	0.3
(1,2474)	1:32:B:GLU:HG3	1:31:B:GLY:HA3	20	0.32	0.07	0.3
(1,2474)	1:9:B:GLU:HG2	1:10:B:GLY:HA2	20	0.32	0.07	0.3
(1,3264)	1:12:B:VAL:H	1:10:B:GLY:H	20	0.32	0.09	0.32
(1,3264)	1:7:B:HIS:H	1:10:B:GLY:H	20	0.32	0.09	0.32
(1,2099)	1:8:A:LEU:HG	1:9:A:GLU:HA	20	0.32	0.04	0.31
(1,3263)	1:12:A:VAL:H	1:10:A:GLY:H	20	0.32	0.09	0.32
(1,3263)	1:7:A:HIS:H	1:10:A:GLY:H	20	0.32	0.09	0.32
(1,2100)	1:8:B:LEU:HG	1:9:B:GLU:HA	20	0.32	0.04	0.31
(1,2508)	1:10:B:GLY:HA3	1:9:B:GLU:HB2	20	0.31	0.1	0.32
(1,2508)	1:10:B:GLY:HA3	1:9:B:GLU:HB3	20	0.31	0.1	0.32
(1,2508)	1:10:B:GLY:HA3	1:6:B:GLU:HB3	20	0.31	0.1	0.32
(1,2507)	1:10:A:GLY:HA3	1:9:A:GLU:HB2	20	0.31	0.1	0.32
(1,2507)	1:10:A:GLY:HA3	1:9:A:GLU:HB3	20	0.31	0.1	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2507)	1:10:A:GLY:HA3	1:6:A:GLU:HB3	20	0.31	0.1	0.32
(1,793)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	20	0.31	0.0	0.31
(1,793)	1:8:A:LEU:HD12	1:8:A:LEU:HD13	20	0.31	0.0	0.31
(1,793)	1:8:A:LEU:HD12	1:8:A:LEU:HD11	20	0.31	0.0	0.31
(1,794)	1:8:B:LEU:HD11	1:8:B:LEU:HD13	20	0.31	0.0	0.31
(1,794)	1:8:B:LEU:HD12	1:8:B:LEU:HD13	20	0.31	0.0	0.31
(1,794)	1:8:B:LEU:HD12	1:8:B:LEU:HD11	20	0.31	0.0	0.31
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG21	20	0.31	0.09	0.3
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG23	20	0.31	0.09	0.3
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG22	20	0.31	0.09	0.3
(1,2202)	1:8:B:LEU:HD13	1:78:A:VAL:HA	20	0.31	0.08	0.32
(1,2202)	1:8:B:LEU:HD12	1:78:A:VAL:HA	20	0.31	0.08	0.32
(1,2202)	1:8:B:LEU:HD11	1:78:A:VAL:HA	20	0.31	0.08	0.32
(1,2701)	1:49:A:LYS:HD2	1:49:A:LYS:HE2	20	0.3	0.02	0.3
(1,2701)	1:49:A:LYS:HD2	1:49:A:LYS:HE3	20	0.3	0.02	0.3
(1,2701)	1:51:A:LYS:HE3	1:51:A:LYS:HD2	20	0.3	0.02	0.3
(1,2701)	1:49:A:LYS:HD3	1:49:A:LYS:HE2	20	0.3	0.02	0.3
(1,2701)	1:51:A:LYS:HE2	1:51:A:LYS:HD2	20	0.3	0.02	0.3
(1,2701)	1:51:A:LYS:HE3	1:51:A:LYS:HD3	20	0.3	0.02	0.3
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG21	20	0.3	0.09	0.3
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG23	20	0.3	0.09	0.3
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG22	20	0.3	0.09	0.3
(1,2702)	1:49:B:LYS:HD2	1:49:B:LYS:HE2	20	0.3	0.02	0.3
(1,2702)	1:51:B:LYS:HE2	1:51:B:LYS:HD2	20	0.3	0.02	0.3
(1,2702)	1:51:B:LYS:HE3	1:51:B:LYS:HD2	20	0.3	0.02	0.3
(1,2702)	1:49:B:LYS:HD2	1:49:B:LYS:HE3	20	0.3	0.02	0.3
(1,2702)	1:49:B:LYS:HD3	1:49:B:LYS:HE2	20	0.3	0.02	0.3
(1,2702)	1:49:B:LYS:HD3	1:49:B:LYS:HE3	20	0.3	0.02	0.3
(1,2702)	1:51:B:LYS:HE3	1:51:B:LYS:HD3	20	0.3	0.02	0.3
(1,2201)	1:8:A:LEU:HD13	1:78:B:VAL:HA	20	0.3	0.08	0.32
(1,2201)	1:8:A:LEU:HD12	1:78:B:VAL:HA	20	0.3	0.08	0.32
(1,2201)	1:8:A:LEU:HD11	1:78:B:VAL:HA	20	0.3	0.08	0.32
(1,2860)	1:53:B:VAL:HG12	1:46:B:LYS:HG3	20	0.3	0.1	0.29
(1,2860)	1:53:B:VAL:HG11	1:46:B:LYS:HG3	20	0.3	0.1	0.29
(1,2860)	1:53:B:VAL:HG13	1:46:B:LYS:HG3	20	0.3	0.1	0.29
(1,2859)	1:53:A:VAL:HG12	1:46:A:LYS:HG3	20	0.3	0.1	0.29
(1,2859)	1:53:A:VAL:HG11	1:46:A:LYS:HG3	20	0.3	0.1	0.29
(1,2859)	1:53:A:VAL:HG13	1:46:A:LYS:HG3	20	0.3	0.1	0.29
(1,2313)	1:54:A:ILE:HB	1:55:A:ASP:HB2	20	0.3	0.1	0.29
(1,2314)	1:54:B:ILE:HB	1:55:B:ASP:HB2	20	0.3	0.11	0.3
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD22	20	0.29	0.06	0.3
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD21	20	0.29	0.06	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD23	20	0.29	0.06	0.3
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD22	20	0.29	0.06	0.3
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD21	20	0.29	0.06	0.3
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD23	20	0.29	0.06	0.3
(1,3189)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	20	0.29	0.0	0.29
(1,3189)	1:61:A:LEU:HD22	1:61:A:LEU:HD23	20	0.29	0.0	0.29
(1,3189)	1:8:A:LEU:HD12	1:8:A:LEU:HD13	20	0.29	0.0	0.29
(1,3189)	1:61:A:LEU:HD21	1:61:A:LEU:HD23	20	0.29	0.0	0.29
(1,3189)	1:61:A:LEU:HD22	1:61:A:LEU:HD21	20	0.29	0.0	0.29
(1,3189)	1:8:A:LEU:HD12	1:8:A:LEU:HD11	20	0.29	0.0	0.29
(1,3190)	1:8:B:LEU:HD11	1:8:B:LEU:HD13	20	0.29	0.0	0.29
(1,3190)	1:61:B:LEU:HD22	1:61:B:LEU:HD23	20	0.29	0.0	0.29
(1,3190)	1:8:B:LEU:HD12	1:8:B:LEU:HD13	20	0.29	0.0	0.29
(1,3190)	1:61:B:LEU:HD22	1:61:B:LEU:HD21	20	0.29	0.0	0.29
(1,3190)	1:61:B:LEU:HD21	1:61:B:LEU:HD23	20	0.29	0.0	0.29
(1,649)	1:49:A:LYS:HG2	1:49:A:LYS:HA	20	0.28	0.04	0.27
(1,650)	1:49:B:LYS:HG2	1:49:B:LYS:HA	20	0.28	0.04	0.27
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB3	20	0.28	0.11	0.28
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB2	20	0.28	0.11	0.28
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB3	20	0.28	0.11	0.27
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB2	20	0.28	0.11	0.27
(1,2547)	1:82:A:LEU:HG	1:78:A:VAL:HB	20	0.27	0.08	0.26
(1,2547)	1:82:A:LEU:HG	1:78:B:VAL:HB	20	0.27	0.08	0.26
(1,2548)	1:82:B:LEU:HG	1:78:B:VAL:HB	20	0.27	0.08	0.26
(1,2548)	1:82:B:LEU:HG	1:78:A:VAL:HB	20	0.27	0.08	0.26
(1,2487)	1:72:A:GLN:HB3	1:72:A:GLN:HG2	20	0.27	0.04	0.28
(1,2487)	1:72:A:GLN:HB2	1:72:A:GLN:HG3	20	0.27	0.04	0.28
(1,2488)	1:72:B:GLN:HB3	1:72:B:GLN:HG2	20	0.27	0.04	0.28
(1,2488)	1:72:B:GLN:HB2	1:72:B:GLN:HG3	20	0.27	0.04	0.28
(1,3474)	1:55:B:ASP:H	1:53:B:VAL:HB	20	0.26	0.05	0.28
(1,3473)	1:55:A:ASP:H	1:53:A:VAL:HB	20	0.26	0.05	0.28
(1,689)	1:89:A:THR:HG22	1:89:A:THR:HG23	20	0.26	0.0	0.26
(1,689)	1:89:A:THR:HG21	1:89:A:THR:HG23	20	0.26	0.0	0.26
(1,689)	1:89:A:THR:HG21	1:89:A:THR:HG22	20	0.26	0.0	0.26
(1,690)	1:89:B:THR:HG22	1:89:B:THR:HG23	20	0.26	0.0	0.26
(1,690)	1:89:B:THR:HG21	1:89:B:THR:HG22	20	0.26	0.0	0.26
(1,690)	1:89:B:THR:HG21	1:89:B:THR:HG23	20	0.26	0.0	0.26
(1,792)	1:82:B:LEU:HD11	1:82:B:LEU:HD13	20	0.26	0.0	0.26
(1,792)	1:82:B:LEU:HD12	1:82:B:LEU:HD13	20	0.26	0.0	0.26
(1,792)	1:82:B:LEU:HD12	1:82:B:LEU:HD11	20	0.26	0.0	0.26
(1,3697)	1:46:A:LYS:H	1:45:A:ILE:HG13	20	0.26	0.04	0.26
(1,551)	1:39:A:LYS:HD2	1:39:A:LYS:HD3	20	0.26	0.0	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3698)	1:46:B:LYS:H	1:45:B:ILE:HG13	20	0.26	0.04	0.26
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB2	20	0.26	0.09	0.26
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB3	20	0.26	0.09	0.26
(1,552)	1:39:B:LYS:HD2	1:39:B:LYS:HD3	20	0.26	0.0	0.26
(1,791)	1:82:A:LEU:HD11	1:82:A:LEU:HD13	20	0.26	0.0	0.26
(1,791)	1:82:A:LEU:HD12	1:82:A:LEU:HD13	20	0.26	0.0	0.26
(1,791)	1:82:A:LEU:HD12	1:82:A:LEU:HD11	20	0.26	0.0	0.26
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB2	20	0.26	0.09	0.25
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB3	20	0.26	0.09	0.25
(1,386)	1:36:B:LEU:HD22	1:36:B:LEU:HA	20	0.25	0.06	0.26
(1,386)	1:36:B:LEU:HD21	1:36:B:LEU:HA	20	0.25	0.06	0.26
(1,386)	1:36:B:LEU:HD23	1:36:B:LEU:HA	20	0.25	0.06	0.26
(1,385)	1:36:A:LEU:HD22	1:36:A:LEU:HA	20	0.25	0.06	0.26
(1,385)	1:36:A:LEU:HD21	1:36:A:LEU:HA	20	0.25	0.06	0.26
(1,385)	1:36:A:LEU:HD23	1:36:A:LEU:HA	20	0.25	0.06	0.26
(1,757)	1:53:A:VAL:HG22	1:53:A:VAL:HG21	20	0.25	0.0	0.25
(1,757)	1:53:A:VAL:HG21	1:53:A:VAL:HG23	20	0.25	0.0	0.25
(1,757)	1:53:A:VAL:HG22	1:53:A:VAL:HG23	20	0.25	0.0	0.25
(1,758)	1:53:B:VAL:HG22	1:53:B:VAL:HG21	20	0.25	0.0	0.25
(1,758)	1:53:B:VAL:HG21	1:53:B:VAL:HG23	20	0.25	0.0	0.25
(1,758)	1:53:B:VAL:HG22	1:53:B:VAL:HG23	20	0.25	0.0	0.25
(1,803)	1:36:A:LEU:HD11	1:36:A:LEU:HD13	20	0.25	0.0	0.25
(1,803)	1:36:A:LEU:HD12	1:36:A:LEU:HD13	20	0.25	0.0	0.25
(1,803)	1:36:A:LEU:HD12	1:36:A:LEU:HD11	20	0.25	0.0	0.25
(1,804)	1:36:B:LEU:HD11	1:36:B:LEU:HD13	20	0.25	0.0	0.25
(1,804)	1:36:B:LEU:HD12	1:36:B:LEU:HD13	20	0.25	0.0	0.25
(1,804)	1:36:B:LEU:HD12	1:36:B:LEU:HD11	20	0.25	0.0	0.25
(1,571)	1:49:A:LYS:HB3	1:49:A:LYS:HD2	20	0.25	0.09	0.24
(1,3121)	1:48:A:ILE:HG21	1:49:A:LYS:HA	20	0.25	0.03	0.24
(1,3121)	1:48:A:ILE:HG22	1:49:A:LYS:HA	20	0.25	0.03	0.24
(1,3121)	1:48:A:ILE:HG23	1:49:A:LYS:HA	20	0.25	0.03	0.24
(1,3122)	1:48:B:ILE:HG21	1:49:B:LYS:HA	20	0.25	0.02	0.24
(1,3122)	1:48:B:ILE:HG22	1:49:B:LYS:HA	20	0.25	0.02	0.24
(1,3122)	1:48:B:ILE:HG23	1:49:B:LYS:HA	20	0.25	0.02	0.24
(1,572)	1:49:B:LYS:HB3	1:49:B:LYS:HD2	20	0.25	0.09	0.24
(1,3691)	1:75:A:ILE:H	1:61:A:LEU:HB3	20	0.24	0.09	0.21
(1,3692)	1:75:B:ILE:H	1:61:B:LEU:HB3	20	0.24	0.09	0.21
(1,387)	1:36:A:LEU:HD13	1:36:A:LEU:HA	20	0.24	0.04	0.24
(1,387)	1:36:A:LEU:HD11	1:36:A:LEU:HA	20	0.24	0.04	0.24
(1,387)	1:36:A:LEU:HD12	1:36:A:LEU:HA	20	0.24	0.04	0.24
(1,715)	1:53:A:VAL:HG12	1:53:A:VAL:HG11	20	0.24	0.0	0.24
(1,715)	1:53:A:VAL:HG12	1:53:A:VAL:HG13	20	0.24	0.0	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,715)	1:53:A:VAL:HG11	1:53:A:VAL:HG13	20	0.24	0.0	0.24
(1,716)	1:53:B:VAL:HG12	1:53:B:VAL:HG11	20	0.24	0.0	0.24
(1,716)	1:53:B:VAL:HG12	1:53:B:VAL:HG13	20	0.24	0.0	0.24
(1,716)	1:53:B:VAL:HG11	1:53:B:VAL:HG13	20	0.24	0.0	0.24
(1,388)	1:36:B:LEU:HD13	1:36:B:LEU:HA	20	0.24	0.04	0.24
(1,388)	1:36:B:LEU:HD11	1:36:B:LEU:HA	20	0.24	0.04	0.24
(1,388)	1:36:B:LEU:HD12	1:36:B:LEU:HA	20	0.24	0.04	0.24
(1,537)	1:75:A:ILE:HD12	1:75:A:ILE:HB	20	0.23	0.04	0.23
(1,537)	1:75:A:ILE:HD13	1:75:A:ILE:HB	20	0.23	0.04	0.23
(1,537)	1:75:A:ILE:HD11	1:75:A:ILE:HB	20	0.23	0.04	0.23
(1,538)	1:75:B:ILE:HD12	1:75:B:ILE:HB	20	0.23	0.04	0.23
(1,538)	1:75:B:ILE:HD13	1:75:B:ILE:HB	20	0.23	0.04	0.23
(1,538)	1:75:B:ILE:HD11	1:75:B:ILE:HB	20	0.23	0.04	0.23
(1,2775)	1:84:A:ALA:HB2	1:84:A:ALA:HB3	20	0.23	0.0	0.23
(1,2775)	1:85:A:ALA:HB2	1:85:A:ALA:HB3	20	0.23	0.0	0.23
(1,2775)	1:84:A:ALA:HB1	1:84:A:ALA:HB3	20	0.23	0.0	0.23
(1,2775)	1:85:A:ALA:HB1	1:85:A:ALA:HB3	20	0.23	0.0	0.23
(1,2775)	1:84:A:ALA:HB2	1:84:A:ALA:HB1	20	0.23	0.0	0.23
(1,2775)	1:85:A:ALA:HB2	1:85:A:ALA:HB1	20	0.23	0.0	0.23
(1,2776)	1:85:B:ALA:HB1	1:85:B:ALA:HB3	20	0.23	0.0	0.23
(1,2776)	1:85:B:ALA:HB2	1:85:B:ALA:HB3	20	0.23	0.0	0.23
(1,2776)	1:84:B:ALA:HB1	1:84:B:ALA:HB3	20	0.23	0.0	0.23
(1,2776)	1:84:B:ALA:HB2	1:84:B:ALA:HB3	20	0.23	0.0	0.23
(1,2776)	1:52:B:ALA:HB2	1:52:B:ALA:HB3	20	0.23	0.0	0.23
(1,2776)	1:85:B:ALA:HB2	1:85:B:ALA:HB1	20	0.23	0.0	0.23
(1,435)	1:72:A:GLN:HG2	1:72:A:GLN:HG3	20	0.23	0.0	0.23
(1,436)	1:72:B:GLN:HG2	1:72:B:GLN:HG3	20	0.23	0.0	0.23
(1,753)	1:37:A:LEU:HD21	1:37:A:LEU:HD23	20	0.22	0.0	0.22
(1,753)	1:37:A:LEU:HD22	1:37:A:LEU:HD23	20	0.22	0.0	0.22
(1,753)	1:37:A:LEU:HD22	1:37:A:LEU:HD21	20	0.22	0.0	0.22
(1,754)	1:37:B:LEU:HD21	1:37:B:LEU:HD23	20	0.22	0.0	0.22
(1,754)	1:37:B:LEU:HD22	1:37:B:LEU:HD23	20	0.22	0.0	0.22
(1,754)	1:37:B:LEU:HD22	1:37:B:LEU:HD21	20	0.22	0.0	0.22
(1,3101)	1:37:A:LEU:HD12	1:37:A:LEU:HD13	20	0.22	0.0	0.22
(1,3101)	1:37:A:LEU:HD11	1:37:A:LEU:HD13	20	0.22	0.0	0.22
(1,3101)	1:37:A:LEU:HD12	1:37:A:LEU:HD11	20	0.22	0.0	0.22
(1,3102)	1:37:B:LEU:HD11	1:37:B:LEU:HD13	20	0.22	0.0	0.22
(1,3102)	1:37:B:LEU:HD12	1:37:B:LEU:HD13	20	0.22	0.0	0.22
(1,2794)	1:85:B:ALA:HB3	1:85:B:ALA:HA	20	0.21	0.02	0.22
(1,2794)	1:63:B:ALA:HB3	1:63:B:ALA:HA	20	0.21	0.02	0.22
(1,2794)	1:85:B:ALA:HB2	1:85:B:ALA:HA	20	0.21	0.02	0.22
(1,2794)	1:52:B:ALA:HB1	1:52:B:ALA:HA	20	0.21	0.02	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2794)	1:63:B:ALA:HB2	1:63:B:ALA:HA	20	0.21	0.02	0.22
(1,2794)	1:52:B:ALA:HB2	1:52:B:ALA:HA	20	0.21	0.02	0.22
(1,2794)	1:63:B:ALA:HB1	1:63:B:ALA:HA	20	0.21	0.02	0.22
(1,2794)	1:85:B:ALA:HB1	1:85:B:ALA:HA	20	0.21	0.02	0.22
(1,2793)	1:85:A:ALA:HB3	1:85:A:ALA:HA	20	0.21	0.02	0.22
(1,2793)	1:63:A:ALA:HB3	1:63:A:ALA:HA	20	0.21	0.02	0.22
(1,2793)	1:85:A:ALA:HB2	1:85:A:ALA:HA	20	0.21	0.02	0.22
(1,2793)	1:52:A:ALA:HB1	1:52:A:ALA:HA	20	0.21	0.02	0.22
(1,2793)	1:63:A:ALA:HB2	1:63:A:ALA:HA	20	0.21	0.02	0.22
(1,2793)	1:52:A:ALA:HB2	1:52:A:ALA:HA	20	0.21	0.02	0.22
(1,2793)	1:63:A:ALA:HB1	1:63:A:ALA:HA	20	0.21	0.02	0.22
(1,2793)	1:85:A:ALA:HB1	1:85:A:ALA:HA	20	0.21	0.02	0.22
(1,730)	1:53:B:VAL:HG22	1:53:B:VAL:HG11	20	0.21	0.03	0.2
(1,730)	1:53:B:VAL:HG22	1:53:B:VAL:HG13	20	0.21	0.03	0.2
(1,730)	1:53:B:VAL:HG22	1:53:B:VAL:HG12	20	0.21	0.03	0.2
(1,730)	1:53:B:VAL:HG23	1:53:B:VAL:HG11	20	0.21	0.03	0.2
(1,730)	1:53:B:VAL:HG23	1:53:B:VAL:HG12	20	0.21	0.03	0.2
(1,730)	1:53:B:VAL:HG21	1:53:B:VAL:HG13	20	0.21	0.03	0.2
(1,730)	1:53:B:VAL:HG21	1:53:B:VAL:HG11	20	0.21	0.03	0.2
(1,3350)	1:48:B:ILE:H	1:46:B:LYS:HA	20	0.21	0.05	0.22
(1,729)	1:53:A:VAL:HG22	1:53:A:VAL:HG11	20	0.21	0.03	0.21
(1,729)	1:53:A:VAL:HG22	1:53:A:VAL:HG13	20	0.21	0.03	0.21
(1,729)	1:53:A:VAL:HG22	1:53:A:VAL:HG12	20	0.21	0.03	0.21
(1,729)	1:53:A:VAL:HG23	1:53:A:VAL:HG11	20	0.21	0.03	0.21
(1,729)	1:53:A:VAL:HG23	1:53:A:VAL:HG12	20	0.21	0.03	0.21
(1,729)	1:53:A:VAL:HG21	1:53:A:VAL:HG13	20	0.21	0.03	0.21
(1,729)	1:53:A:VAL:HG21	1:53:A:VAL:HG11	20	0.21	0.03	0.21
(1,2861)	1:85:A:ALA:HB2	1:85:A:ALA:HB3	20	0.21	0.0	0.21
(1,2861)	1:79:A:ALA:HB1	1:79:A:ALA:HB3	20	0.21	0.0	0.21
(1,2861)	1:85:A:ALA:HB1	1:85:A:ALA:HB3	20	0.21	0.0	0.21
(1,2861)	1:79:A:ALA:HB2	1:79:A:ALA:HB1	20	0.21	0.0	0.21
(1,2861)	1:85:A:ALA:HB2	1:85:A:ALA:HB1	20	0.21	0.0	0.21
(1,2862)	1:85:B:ALA:HB1	1:85:B:ALA:HB3	20	0.21	0.0	0.21
(1,2862)	1:85:B:ALA:HB2	1:85:B:ALA:HB3	20	0.21	0.0	0.21
(1,2862)	1:79:B:ALA:HB1	1:79:B:ALA:HB3	20	0.21	0.0	0.21
(1,2862)	1:85:B:ALA:HB2	1:85:B:ALA:HB1	20	0.21	0.0	0.21
(1,2862)	1:52:B:ALA:HB2	1:52:B:ALA:HB3	20	0.21	0.0	0.21
(1,3349)	1:48:A:ILE:H	1:46:A:LYS:HA	20	0.21	0.05	0.22
(1,2703)	1:91:A:LYS:HD3	1:91:A:LYS:HE2	20	0.2	0.03	0.21
(1,2703)	1:51:A:LYS:HE3	1:51:A:LYS:HD2	20	0.2	0.03	0.21
(1,2703)	1:49:A:LYS:HD2	1:49:A:LYS:HE3	20	0.2	0.03	0.21
(1,2703)	1:51:A:LYS:HE2	1:51:A:LYS:HD2	20	0.2	0.03	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2703)	1:91:A:LYS:HD3	1:91:A:LYS:HE3	20	0.2	0.03	0.21
(1,2703)	1:49:A:LYS:HD2	1:49:A:LYS:HE2	20	0.2	0.03	0.21
(1,2703)	1:51:A:LYS:HE3	1:51:A:LYS:HD3	20	0.2	0.03	0.21
(1,2704)	1:91:B:LYS:HD3	1:91:B:LYS:HE2	20	0.2	0.03	0.2
(1,2704)	1:51:B:LYS:HE3	1:51:B:LYS:HD2	20	0.2	0.03	0.2
(1,2704)	1:49:B:LYS:HD2	1:49:B:LYS:HE3	20	0.2	0.03	0.2
(1,2704)	1:51:B:LYS:HE2	1:51:B:LYS:HD2	20	0.2	0.03	0.2
(1,2704)	1:91:B:LYS:HD3	1:91:B:LYS:HE3	20	0.2	0.03	0.2
(1,2704)	1:49:B:LYS:HD2	1:49:B:LYS:HE2	20	0.2	0.03	0.2
(1,2704)	1:51:B:LYS:HE3	1:51:B:LYS:HD3	20	0.2	0.03	0.2
(1,3297)	1:75:A:ILE:H	1:72:A:GLN:H	20	0.2	0.03	0.2
(1,3298)	1:75:B:ILE:H	1:72:B:GLN:H	20	0.2	0.03	0.2
(1,2815)	1:51:A:LYS:HG2	1:51:A:LYS:HG3	20	0.19	0.0	0.19
(1,2816)	1:51:B:LYS:HG2	1:51:B:LYS:HG3	20	0.19	0.0	0.19
(1,1991)	1:42:A:ALA:HB3	1:42:A:ALA:HA	20	0.18	0.01	0.18
(1,1991)	1:42:A:ALA:HB2	1:42:A:ALA:HA	20	0.18	0.01	0.18
(1,1991)	1:42:A:ALA:HB1	1:42:A:ALA:HA	20	0.18	0.01	0.18
(1,1992)	1:42:B:ALA:HB3	1:42:B:ALA:HA	20	0.18	0.01	0.18
(1,1992)	1:42:B:ALA:HB2	1:42:B:ALA:HA	20	0.18	0.01	0.18
(1,1992)	1:42:B:ALA:HB1	1:42:B:ALA:HA	20	0.18	0.01	0.18
(1,3516)	1:39:B:LYS:H	1:39:B:LYS:HB2	20	0.18	0.01	0.18
(1,597)	1:36:A:LEU:HD23	1:36:A:LEU:HB2	20	0.17	0.02	0.17
(1,597)	1:36:A:LEU:HD22	1:36:A:LEU:HB2	20	0.17	0.02	0.17
(1,597)	1:36:A:LEU:HD21	1:36:A:LEU:HB2	20	0.17	0.02	0.17
(1,598)	1:36:B:LEU:HD23	1:36:B:LEU:HB2	20	0.17	0.02	0.17
(1,598)	1:36:B:LEU:HD22	1:36:B:LEU:HB2	20	0.17	0.02	0.17
(1,598)	1:36:B:LEU:HD21	1:36:B:LEU:HB2	20	0.17	0.02	0.17
(1,3515)	1:39:A:LYS:H	1:39:A:LYS:HB2	20	0.17	0.01	0.18
(1,2657)	1:37:A:LEU:HD21	1:37:A:LEU:HG	20	0.17	0.01	0.17
(1,2657)	1:37:A:LEU:HD23	1:37:A:LEU:HG	20	0.17	0.01	0.17
(1,2657)	1:37:A:LEU:HD22	1:37:A:LEU:HG	20	0.17	0.01	0.17
(1,2658)	1:37:B:LEU:HD21	1:37:B:LEU:HG	20	0.17	0.01	0.17
(1,2658)	1:37:B:LEU:HD23	1:37:B:LEU:HG	20	0.17	0.01	0.17
(1,2658)	1:37:B:LEU:HD22	1:37:B:LEU:HG	20	0.17	0.01	0.17
(1,1098)	1:54:B:ILE:H	1:50:B:ASP:HA	20	0.16	0.01	0.16
(1,1097)	1:54:A:ILE:H	1:50:A:ASP:HA	20	0.16	0.01	0.16
(1,795)	1:75:A:ILE:HG22	1:75:A:ILE:HG21	20	0.15	0.0	0.15
(1,795)	1:75:A:ILE:HG22	1:75:A:ILE:HG23	20	0.15	0.0	0.15
(1,795)	1:75:A:ILE:HG21	1:75:A:ILE:HG23	20	0.15	0.0	0.15
(1,796)	1:75:B:ILE:HG22	1:75:B:ILE:HG21	20	0.14	0.0	0.14
(1,796)	1:75:B:ILE:HG21	1:75:B:ILE:HG23	20	0.14	0.0	0.14
(1,796)	1:75:B:ILE:HG22	1:75:B:ILE:HG23	20	0.14	0.0	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3155)	1:82:A:LEU:HD13	1:82:A:LEU:HG	20	0.12	0.01	0.12
(1,3155)	1:82:A:LEU:HD12	1:82:A:LEU:HG	20	0.12	0.01	0.12
(1,3155)	1:82:A:LEU:HD11	1:82:A:LEU:HG	20	0.12	0.01	0.12
(1,3156)	1:82:B:LEU:HD13	1:82:B:LEU:HG	20	0.12	0.01	0.12
(1,3156)	1:82:B:LEU:HD12	1:82:B:LEU:HG	20	0.12	0.01	0.12
(1,3156)	1:82:B:LEU:HD11	1:82:B:LEU:HG	20	0.12	0.01	0.12
(1,2112)	1:80:B:ILE:HD13	1:79:B:ALA:HA	19	1.06	0.69	1.52
(1,2112)	1:80:B:ILE:HD11	1:76:B:SER:HB3	19	1.06	0.69	1.52
(1,2112)	1:80:B:ILE:HD13	1:76:B:SER:HB3	19	1.06	0.69	1.52
(1,2112)	1:80:B:ILE:HD12	1:76:B:SER:HB3	19	1.06	0.69	1.52
(1,2111)	1:80:A:ILE:HD13	1:79:A:ALA:HA	19	1.05	0.69	1.52
(1,2111)	1:80:A:ILE:HD11	1:76:A:SER:HB3	19	1.05	0.69	1.52
(1,2111)	1:80:A:ILE:HD13	1:76:A:SER:HB3	19	1.05	0.69	1.52
(1,2111)	1:80:A:ILE:HD12	1:76:A:SER:HB3	19	1.05	0.69	1.52
(1,2060)	1:83:B:LYS:HD3	1:81:B:ALA:HA	19	0.88	0.4	0.91
(1,2060)	1:83:B:LYS:HD3	1:79:B:ALA:HA	19	0.88	0.4	0.91
(1,2060)	1:83:B:LYS:HD2	1:79:B:ALA:HA	19	0.88	0.4	0.91
(1,2059)	1:83:A:LYS:HD3	1:81:A:ALA:HA	19	0.88	0.4	0.91
(1,2059)	1:83:A:LYS:HD3	1:79:A:ALA:HA	19	0.88	0.4	0.91
(1,2059)	1:83:A:LYS:HD2	1:79:A:ALA:HA	19	0.88	0.4	0.91
(1,3447)	1:89:A:THR:H	1:83:A:LYS:HE2	19	0.81	0.2	0.74
(1,3447)	1:89:A:THR:H	1:83:A:LYS:HE3	19	0.81	0.2	0.74
(1,3447)	1:89:A:THR:H	1:91:A:LYS:HE2	19	0.81	0.2	0.74
(1,3448)	1:89:B:THR:H	1:83:B:LYS:HE2	19	0.81	0.2	0.75
(1,3448)	1:89:B:THR:H	1:83:B:LYS:HE3	19	0.81	0.2	0.75
(1,3448)	1:89:B:THR:H	1:91:B:LYS:HE2	19	0.81	0.2	0.75
(1,1409)	1:49:A:LYS:H	1:50:A:ASP:HB3	19	0.79	0.25	0.88
(1,1410)	1:49:B:LYS:H	1:50:B:ASP:HB3	19	0.79	0.25	0.88
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HG22	19	0.79	0.15	0.82
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HG23	19	0.79	0.15	0.82
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HD13	19	0.79	0.15	0.82
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HG21	19	0.79	0.15	0.82
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HD11	19	0.79	0.15	0.82
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HG22	19	0.79	0.15	0.82
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HG23	19	0.79	0.15	0.82
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HD13	19	0.79	0.15	0.82
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HG21	19	0.79	0.15	0.82
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HD11	19	0.79	0.15	0.82
(1,2694)	1:61:B:LEU:HB2	1:57:B:ILE:HA	19	0.78	0.14	0.78
(1,2694)	1:57:B:ILE:HA	1:91:B:LYS:HD3	19	0.78	0.14	0.78
(1,2696)	1:61:B:LEU:HB2	1:57:B:ILE:HA	19	0.78	0.14	0.78
(1,2696)	1:57:B:ILE:HA	1:91:B:LYS:HD3	19	0.78	0.14	0.78

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2693)	1:61:A:LEU:HB2	1:57:A:ILE:HA	19	0.78	0.14	0.78
(1,2693)	1:57:A:ILE:HA	1:91:A:LYS:HD3	19	0.78	0.14	0.78
(1,2695)	1:61:A:LEU:HB2	1:57:A:ILE:HA	19	0.78	0.14	0.78
(1,2695)	1:57:A:ILE:HA	1:91:A:LYS:HD3	19	0.78	0.14	0.78
(1,2068)	1:48:B:ILE:HA	1:38:B:THR:HB	19	0.64	0.15	0.63
(1,2068)	1:48:B:ILE:HA	1:51:B:LYS:HA	19	0.64	0.15	0.63
(1,2067)	1:48:A:ILE:HA	1:38:A:THR:HB	19	0.64	0.15	0.63
(1,2067)	1:48:A:ILE:HA	1:51:A:LYS:HA	19	0.64	0.15	0.63
(1,1854)	1:54:B:ILE:H	1:55:B:ASP:HB2	19	0.59	0.26	0.46
(1,2519)	1:7:A:HIS:HB3	1:6:A:GLU:HB3	19	0.59	0.2	0.62
(1,2519)	1:7:A:HIS:HB2	1:6:A:GLU:HB3	19	0.59	0.2	0.62
(1,2519)	1:8:A:LEU:HB2	1:7:A:HIS:HB2	19	0.59	0.2	0.62
(1,2520)	1:7:B:HIS:HB3	1:6:B:GLU:HB3	19	0.59	0.2	0.61
(1,2520)	1:7:B:HIS:HB2	1:6:B:GLU:HB3	19	0.59	0.2	0.61
(1,2520)	1:8:B:LEU:HB2	1:7:B:HIS:HB2	19	0.59	0.2	0.61
(1,1853)	1:54:A:ILE:H	1:55:A:ASP:HB2	19	0.58	0.26	0.46
(1,2480)	1:62:B:ASP:HB3	1:59:B:GLN:HB3	19	0.54	0.12	0.57
(1,2480)	1:62:B:ASP:HB3	1:65:B:GLN:HB3	19	0.54	0.12	0.57
(1,2479)	1:62:A:ASP:HB3	1:59:A:GLN:HB3	19	0.54	0.12	0.57
(1,2479)	1:62:A:ASP:HB3	1:65:A:GLN:HB3	19	0.54	0.12	0.57
(1,1941)	1:30:A:LYS:HD2	1:52:A:ALA:HA	19	0.53	0.18	0.54
(1,1941)	1:30:A:LYS:HD3	1:52:A:ALA:HA	19	0.53	0.18	0.54
(1,1942)	1:30:B:LYS:HD2	1:52:B:ALA:HA	19	0.52	0.18	0.54
(1,1942)	1:30:B:LYS:HD3	1:52:B:ALA:HA	19	0.52	0.18	0.54
(1,330)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	19	0.47	0.16	0.45
(1,330)	1:51:B:LYS:HE2	1:58:B:PHE:HB2	19	0.47	0.16	0.45
(1,2164)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	19	0.47	0.16	0.45
(1,2164)	1:51:B:LYS:HE2	1:58:B:PHE:HB2	19	0.47	0.16	0.45
(1,329)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	19	0.47	0.16	0.44
(1,329)	1:51:A:LYS:HE2	1:58:A:PHE:HB2	19	0.47	0.16	0.44
(1,2163)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	19	0.47	0.16	0.44
(1,2163)	1:51:A:LYS:HE2	1:58:A:PHE:HB2	19	0.47	0.16	0.44
(1,2664)	1:61:B:LEU:HD22	1:80:B:ILE:HB	19	0.47	0.21	0.39
(1,2664)	1:8:B:LEU:HD13	1:41:A:LEU:HB3	19	0.47	0.21	0.39
(1,2664)	1:8:B:LEU:HD12	1:41:A:LEU:HB3	19	0.47	0.21	0.39
(1,2664)	1:61:B:LEU:HD21	1:80:B:ILE:HB	19	0.47	0.21	0.39
(1,2664)	1:8:B:LEU:HD11	1:41:A:LEU:HB3	19	0.47	0.21	0.39
(1,2663)	1:61:A:LEU:HD22	1:80:A:ILE:HB	19	0.47	0.21	0.38
(1,2663)	1:8:A:LEU:HD13	1:41:B:LEU:HB3	19	0.47	0.21	0.38
(1,2663)	1:8:A:LEU:HD12	1:41:B:LEU:HB3	19	0.47	0.21	0.38
(1,2663)	1:61:A:LEU:HD21	1:80:A:ILE:HB	19	0.47	0.21	0.38
(1,2663)	1:8:A:LEU:HD11	1:41:B:LEU:HB3	19	0.47	0.21	0.38

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3596)	1:85:B:ALA:H	1:91:B:LYS:HB2	19	0.46	0.34	0.33
(1,3596)	1:85:B:ALA:H	1:91:B:LYS:HD3	19	0.46	0.34	0.33
(1,3595)	1:85:A:ALA:H	1:91:A:LYS:HB2	19	0.46	0.34	0.33
(1,3595)	1:85:A:ALA:H	1:91:A:LYS:HD3	19	0.46	0.34	0.33
(1,2913)	1:45:A:ILE:HG13	1:42:A:ALA:HA	19	0.45	0.15	0.45
(1,2914)	1:45:B:ILE:HG13	1:42:B:ALA:HA	19	0.45	0.15	0.45
(1,3769)	1:41:A:LEU:H	1:48:A:ILE:HG23	19	0.38	0.11	0.4
(1,3769)	1:41:A:LEU:H	1:37:A:LEU:HD21	19	0.38	0.11	0.4
(1,3769)	1:54:A:ILE:H	1:48:A:ILE:HD13	19	0.38	0.11	0.4
(1,3769)	1:54:A:ILE:H	1:48:A:ILE:HD11	19	0.38	0.11	0.4
(1,3769)	1:54:A:ILE:H	1:53:A:VAL:HG21	19	0.38	0.11	0.4
(1,3769)	1:54:A:ILE:H	1:48:A:ILE:HD12	19	0.38	0.11	0.4
(1,3769)	1:41:A:LEU:H	1:48:A:ILE:HG22	19	0.38	0.11	0.4
(1,3769)	1:54:A:ILE:H	1:53:A:VAL:HG23	19	0.38	0.11	0.4
(1,3770)	1:41:B:LEU:H	1:48:B:ILE:HG23	19	0.38	0.11	0.4
(1,3770)	1:41:B:LEU:H	1:37:B:LEU:HD21	19	0.38	0.11	0.4
(1,3770)	1:54:B:ILE:H	1:48:B:ILE:HD13	19	0.38	0.11	0.4
(1,3770)	1:54:B:ILE:H	1:48:B:ILE:HD11	19	0.38	0.11	0.4
(1,3770)	1:54:B:ILE:H	1:53:B:VAL:HG21	19	0.38	0.11	0.4
(1,3770)	1:54:B:ILE:H	1:48:B:ILE:HD12	19	0.38	0.11	0.4
(1,3770)	1:41:B:LEU:H	1:48:B:ILE:HG22	19	0.38	0.11	0.4
(1,3770)	1:54:B:ILE:H	1:53:B:VAL:HG23	19	0.38	0.11	0.4
(1,1499)	1:83:A:LYS:H	1:83:A:LYS:HB3	19	0.35	0.11	0.34
(1,1500)	1:83:B:LYS:H	1:83:B:LYS:HB3	19	0.35	0.11	0.34
(1,1723)	1:80:A:ILE:HG23	1:8:B:LEU:HD11	19	0.34	0.13	0.35
(1,1723)	1:80:A:ILE:HG21	1:8:B:LEU:HD11	19	0.34	0.13	0.35
(1,1723)	1:80:A:ILE:HG21	1:8:B:LEU:HD13	19	0.34	0.13	0.35
(1,1723)	1:80:A:ILE:HG23	1:8:B:LEU:HD13	19	0.34	0.13	0.35
(1,1723)	1:80:A:ILE:HG22	1:8:B:LEU:HD12	19	0.34	0.13	0.35
(1,1723)	1:80:A:ILE:HG23	1:8:B:LEU:HD12	19	0.34	0.13	0.35
(1,1723)	1:80:A:ILE:HG21	1:8:B:LEU:HD12	19	0.34	0.13	0.35
(1,1723)	1:80:A:ILE:HG22	1:8:B:LEU:HD11	19	0.34	0.13	0.35
(1,1724)	1:80:B:ILE:HG23	1:8:A:LEU:HD11	19	0.34	0.13	0.36
(1,1724)	1:80:B:ILE:HG21	1:8:A:LEU:HD11	19	0.34	0.13	0.36
(1,1724)	1:80:B:ILE:HG21	1:8:A:LEU:HD13	19	0.34	0.13	0.36
(1,1724)	1:80:B:ILE:HG23	1:8:A:LEU:HD13	19	0.34	0.13	0.36
(1,1724)	1:80:B:ILE:HG22	1:8:A:LEU:HD12	19	0.34	0.13	0.36
(1,1724)	1:80:B:ILE:HG23	1:8:A:LEU:HD12	19	0.34	0.13	0.36
(1,1724)	1:80:B:ILE:HG21	1:8:A:LEU:HD12	19	0.34	0.13	0.36
(1,1724)	1:80:B:ILE:HG22	1:8:A:LEU:HD11	19	0.34	0.13	0.36
(1,2209)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	19	0.34	0.26	0.26
(1,2239)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	19	0.34	0.26	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2210)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	19	0.34	0.26	0.26
(1,2240)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	19	0.34	0.26	0.26
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG23	19	0.33	0.09	0.33
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG21	19	0.33	0.09	0.33
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG22	19	0.33	0.09	0.33
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG23	19	0.33	0.09	0.33
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG21	19	0.33	0.09	0.33
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG22	19	0.33	0.09	0.33
(1,3548)	1:76:B:SER:H	1:73:B:GLU:HB3	19	0.33	0.13	0.37
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG13	19	0.32	0.1	0.32
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG12	19	0.32	0.1	0.32
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG11	19	0.32	0.1	0.32
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG13	19	0.32	0.1	0.32
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG12	19	0.32	0.1	0.32
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG11	19	0.32	0.1	0.32
(1,214)	1:37:B:LEU:HD11	1:33:B:LEU:HA	19	0.29	0.04	0.28
(1,214)	1:37:B:LEU:HD12	1:33:B:LEU:HA	19	0.29	0.04	0.28
(1,214)	1:37:B:LEU:HD13	1:33:B:LEU:HA	19	0.29	0.04	0.28
(1,213)	1:37:A:LEU:HD11	1:33:A:LEU:HA	19	0.29	0.04	0.28
(1,213)	1:37:A:LEU:HD12	1:33:A:LEU:HA	19	0.29	0.04	0.28
(1,213)	1:37:A:LEU:HD13	1:33:A:LEU:HA	19	0.29	0.04	0.28
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD12	19	0.28	0.04	0.3
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD13	19	0.28	0.04	0.3
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD11	19	0.28	0.04	0.3
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD12	19	0.28	0.04	0.29
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD13	19	0.28	0.04	0.29
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD11	19	0.28	0.04	0.29
(1,2513)	1:47:A:ASN:HB3	1:46:A:LYS:HD2	19	0.27	0.04	0.27
(1,2513)	1:47:A:ASN:HB3	1:46:A:LYS:HD3	19	0.27	0.04	0.27
(1,2514)	1:47:B:ASN:HB3	1:46:B:LYS:HD2	19	0.27	0.04	0.27
(1,2514)	1:47:B:ASN:HB3	1:46:B:LYS:HD3	19	0.27	0.04	0.27
(1,3825)	1:30:A:LYS:H	1:30:A:LYS:HG3	19	0.27	0.1	0.26
(1,3825)	1:30:A:LYS:H	1:30:A:LYS:HG2	19	0.27	0.1	0.26
(1,3826)	1:30:B:LYS:H	1:30:B:LYS:HG3	19	0.27	0.1	0.26
(1,3826)	1:30:B:LYS:H	1:30:B:LYS:HG2	19	0.27	0.1	0.26
(1,3606)	1:41:B:LEU:H	1:39:B:LYS:HG2	19	0.26	0.06	0.26
(1,3605)	1:41:A:LEU:H	1:39:A:LYS:HG2	19	0.26	0.06	0.26
(1,1439)	1:73:A:GLU:H	1:72:A:GLN:HG2	19	0.25	0.23	0.19
(1,1440)	1:73:B:GLU:H	1:72:B:GLN:HG2	19	0.24	0.23	0.19
(1,2185)	1:46:A:LYS:HA	1:47:A:ASN:HB2	19	0.24	0.05	0.24
(1,2186)	1:46:B:LYS:HA	1:47:B:ASN:HB2	19	0.24	0.06	0.25
(1,3413)	1:59:A:GLN:H	1:54:A:ILE:HA	19	0.23	0.06	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3414)	1:59:B:GLN:H	1:54:B:ILE:HA	19	0.23	0.06	0.23
(1,204)	1:80:B:ILE:HD12	1:76:B:SER:HA	19	0.22	0.1	0.19
(1,204)	1:80:B:ILE:HD11	1:76:B:SER:HA	19	0.22	0.1	0.19
(1,204)	1:80:B:ILE:HD13	1:76:B:SER:HA	19	0.22	0.1	0.19
(1,2698)	1:45:B:ILE:HB	1:48:B:ILE:HA	19	0.19	0.05	0.18
(1,2697)	1:45:A:ILE:HB	1:48:A:ILE:HA	19	0.19	0.05	0.18
(1,2465)	1:6:A:GLU:HB2	1:6:A:GLU:HA	19	0.18	0.08	0.15
(1,2465)	1:32:A:GLU:HG2	1:32:A:GLU:HA	19	0.18	0.08	0.15
(1,2465)	1:32:A:GLU:HG3	1:32:A:GLU:HA	19	0.18	0.08	0.15
(1,2465)	1:6:A:GLU:HB3	1:6:A:GLU:HA	19	0.18	0.08	0.15
(1,289)	1:53:A:VAL:HG12	1:53:A:VAL:HA	19	0.15	0.02	0.15
(1,289)	1:53:A:VAL:HG11	1:53:A:VAL:HA	19	0.15	0.02	0.15
(1,289)	1:53:A:VAL:HG13	1:53:A:VAL:HA	19	0.15	0.02	0.15
(1,290)	1:53:B:VAL:HG12	1:53:B:VAL:HA	19	0.15	0.02	0.15
(1,290)	1:53:B:VAL:HG11	1:53:B:VAL:HA	19	0.15	0.02	0.15
(1,290)	1:53:B:VAL:HG13	1:53:B:VAL:HA	19	0.15	0.02	0.15
(1,3335)	1:51:A:LYS:H	1:52:A:ALA:HA	19	0.15	0.03	0.15
(1,3336)	1:51:B:LYS:H	1:52:B:ALA:HA	19	0.15	0.03	0.15
(1,1698)	1:8:B:LEU:HG	1:40:A:GLU:HG3	18	1.22	0.25	1.18
(1,1698)	1:8:B:LEU:HG	1:11:A:ILE:HB	18	1.22	0.25	1.18
(1,1697)	1:8:A:LEU:HG	1:40:B:GLU:HG3	18	1.22	0.24	1.18
(1,1697)	1:8:A:LEU:HG	1:11:B:ILE:HB	18	1.22	0.24	1.18
(1,822)	1:79:B:ALA:HB2	1:75:A:ILE:HG13	18	1.07	0.13	1.06
(1,822)	1:79:B:ALA:HB3	1:75:A:ILE:HG13	18	1.07	0.13	1.06
(1,822)	1:79:B:ALA:HB1	1:75:A:ILE:HG13	18	1.07	0.13	1.06
(1,821)	1:79:A:ALA:HB2	1:75:B:ILE:HG13	18	1.07	0.13	1.06
(1,821)	1:79:A:ALA:HB3	1:75:B:ILE:HG13	18	1.07	0.13	1.06
(1,821)	1:79:A:ALA:HB1	1:75:B:ILE:HG13	18	1.07	0.13	1.06
(1,370)	1:91:B:LYS:HE3	1:90:B:HIS:HB3	18	0.96	0.69	0.66
(1,370)	1:91:B:LYS:HE2	1:90:B:HIS:HB3	18	0.96	0.69	0.66
(1,369)	1:91:A:LYS:HE3	1:90:A:HIS:HB3	18	0.96	0.69	0.66
(1,369)	1:91:A:LYS:HE2	1:90:A:HIS:HB3	18	0.96	0.69	0.66
(1,2787)	1:72:A:GLN:HA	1:75:A:ILE:HG12	18	0.9	0.07	0.9
(1,2788)	1:72:B:GLN:HA	1:75:B:ILE:HG12	18	0.9	0.07	0.9
(1,343)	1:83:A:LYS:HE3	1:87:A:TYR:HB2	18	0.9	0.42	1.02
(1,344)	1:83:B:LYS:HE3	1:87:B:TYR:HB2	18	0.9	0.42	1.02
(1,2705)	1:45:A:ILE:HB	1:49:A:LYS:HD3	18	0.83	0.14	0.9
(1,2705)	1:46:A:LYS:HB2	1:45:A:ILE:HB	18	0.83	0.14	0.9
(1,2705)	1:45:A:ILE:HB	1:49:A:LYS:HD2	18	0.83	0.14	0.9
(1,2705)	1:45:A:ILE:HB	1:91:A:LYS:HD3	18	0.83	0.14	0.9
(1,2706)	1:45:B:ILE:HB	1:49:B:LYS:HD3	18	0.83	0.14	0.9
(1,2706)	1:46:B:LYS:HB2	1:45:B:ILE:HB	18	0.83	0.14	0.9

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2706)	1:45:B:ILE:HB	1:49:B:LYS:HD2	18	0.83	0.14	0.9
(1,2706)	1:45:B:ILE:HB	1:91:B:LYS:HD3	18	0.83	0.14	0.9
(1,553)	1:75:A:ILE:HD11	1:91:B:LYS:HD3	18	0.82	0.59	0.68
(1,553)	1:75:A:ILE:HD12	1:91:B:LYS:HD3	18	0.82	0.59	0.68
(1,553)	1:75:A:ILE:HD13	1:91:B:LYS:HD3	18	0.82	0.59	0.68
(1,823)	1:75:A:ILE:HG13	1:75:A:ILE:HG21	18	0.71	0.01	0.71
(1,823)	1:75:A:ILE:HG13	1:75:A:ILE:HG22	18	0.71	0.01	0.71
(1,823)	1:75:A:ILE:HG13	1:75:A:ILE:HG23	18	0.71	0.01	0.71
(1,824)	1:75:B:ILE:HG13	1:75:B:ILE:HG21	18	0.71	0.02	0.71
(1,824)	1:75:B:ILE:HG13	1:75:B:ILE:HG22	18	0.71	0.02	0.71
(1,824)	1:75:B:ILE:HG13	1:75:B:ILE:HG23	18	0.71	0.02	0.71
(1,2343)	1:54:A:ILE:HG23	1:30:A:LYS:HE3	18	0.68	0.22	0.68
(1,2343)	1:54:A:ILE:HG21	1:30:A:LYS:HE2	18	0.68	0.22	0.68
(1,2343)	1:54:A:ILE:HG22	1:30:A:LYS:HE3	18	0.68	0.22	0.68
(1,2343)	1:54:A:ILE:HG23	1:30:A:LYS:HE2	18	0.68	0.22	0.68
(1,2343)	1:54:A:ILE:HG21	1:30:A:LYS:HE3	18	0.68	0.22	0.68
(1,2343)	1:54:A:ILE:HG22	1:30:A:LYS:HE2	18	0.68	0.22	0.68
(1,2344)	1:54:B:ILE:HG23	1:30:B:LYS:HE3	18	0.67	0.22	0.67
(1,2344)	1:54:B:ILE:HG21	1:30:B:LYS:HE2	18	0.67	0.22	0.67
(1,2344)	1:54:B:ILE:HG22	1:30:B:LYS:HE3	18	0.67	0.22	0.67
(1,2344)	1:54:B:ILE:HG23	1:30:B:LYS:HE2	18	0.67	0.22	0.67
(1,2344)	1:54:B:ILE:HG21	1:30:B:LYS:HE3	18	0.67	0.22	0.67
(1,2344)	1:54:B:ILE:HG22	1:30:B:LYS:HE2	18	0.67	0.22	0.67
(1,2419)	1:65:A:GLN:HB3	1:59:A:GLN:HA	18	0.63	0.3	0.67
(1,2419)	1:67:A:GLU:HG3	1:59:A:GLN:HA	18	0.63	0.3	0.67
(1,2419)	1:67:A:GLU:HG2	1:59:A:GLN:HA	18	0.63	0.3	0.67
(1,2420)	1:65:B:GLN:HB3	1:59:B:GLN:HA	18	0.63	0.3	0.66
(1,2420)	1:67:B:GLU:HG3	1:59:B:GLN:HA	18	0.63	0.3	0.66
(1,2420)	1:67:B:GLU:HG2	1:59:B:GLN:HA	18	0.63	0.3	0.66
(1,2729)	1:75:A:ILE:HD11	1:91:B:LYS:HD3	18	0.63	0.32	0.67
(1,2729)	1:75:A:ILE:HD11	1:91:B:LYS:HB2	18	0.63	0.32	0.67
(1,2729)	1:75:A:ILE:HD12	1:91:B:LYS:HD3	18	0.63	0.32	0.67
(1,2729)	1:75:A:ILE:HD13	1:91:B:LYS:HD3	18	0.63	0.32	0.67
(1,2729)	1:75:A:ILE:HD13	1:91:B:LYS:HB2	18	0.63	0.32	0.67
(1,3518)	1:10:B:GLY:H	1:9:B:GLU:HG3	18	0.5	0.23	0.42
(1,3518)	1:10:B:GLY:H	1:9:B:GLU:HG2	18	0.5	0.23	0.42
(1,3518)	1:10:B:GLY:H	1:11:B:ILE:HB	18	0.5	0.23	0.42
(1,3517)	1:10:A:GLY:H	1:9:A:GLU:HG3	18	0.5	0.23	0.41
(1,3517)	1:10:A:GLY:H	1:9:A:GLU:HG2	18	0.5	0.23	0.41
(1,3517)	1:10:A:GLY:H	1:11:A:ILE:HB	18	0.5	0.23	0.41
(1,3505)	1:18:A:TYR:H	1:40:A:GLU:HG3	18	0.47	0.19	0.46
(1,3505)	1:18:A:TYR:H	1:35:A:GLN:HB3	18	0.47	0.19	0.46

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3506)	1:18:B:TYR:H	1:40:B:GLU:HG3	18	0.47	0.19	0.46
(1,3506)	1:18:B:TYR:H	1:35:B:GLN:HB3	18	0.47	0.19	0.46
(1,3614)	1:52:B:ALA:H	1:51:B:LYS:HD2	18	0.46	0.11	0.42
(1,3613)	1:52:A:ALA:H	1:51:A:LYS:HD2	18	0.46	0.11	0.42
(1,2169)	1:86:A:HIS:HA	1:88:A:HIS:HB3	18	0.4	0.25	0.26
(1,2170)	1:86:B:HIS:HA	1:88:B:HIS:HB3	18	0.4	0.25	0.25
(1,2983)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	18	0.4	0.2	0.39
(1,2984)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	18	0.4	0.2	0.39
(1,3801)	1:10:A:GLY:H	1:12:A:VAL:HG22	18	0.37	0.16	0.34
(1,3801)	1:10:A:GLY:H	1:12:A:VAL:HG21	18	0.37	0.16	0.34
(1,3801)	1:10:A:GLY:H	1:12:A:VAL:HG23	18	0.37	0.16	0.34
(1,3801)	1:10:A:GLY:H	1:8:A:LEU:HG	18	0.37	0.16	0.34
(1,3802)	1:10:B:GLY:H	1:12:B:VAL:HG22	18	0.37	0.16	0.34
(1,3802)	1:10:B:GLY:H	1:12:B:VAL:HG21	18	0.37	0.16	0.34
(1,3802)	1:10:B:GLY:H	1:12:B:VAL:HG23	18	0.37	0.16	0.34
(1,3802)	1:10:B:GLY:H	1:8:B:LEU:HG	18	0.37	0.16	0.34
(1,3547)	1:76:A:SER:H	1:73:A:GLU:HB3	18	0.34	0.12	0.38
(1,191)	1:39:A:LYS:HD2	1:35:A:GLN:HA	18	0.31	0.08	0.3
(1,191)	1:39:A:LYS:HD3	1:35:A:GLN:HA	18	0.31	0.08	0.3
(1,192)	1:39:B:LYS:HD2	1:35:B:GLN:HA	18	0.31	0.08	0.3
(1,192)	1:39:B:LYS:HD3	1:35:B:GLN:HA	18	0.31	0.08	0.3
(1,2265)	1:53:A:VAL:HG11	1:50:A:ASP:HB2	18	0.25	0.15	0.2
(1,2265)	1:53:A:VAL:HG13	1:50:A:ASP:HB2	18	0.25	0.15	0.2
(1,2265)	1:53:A:VAL:HG12	1:50:A:ASP:HB2	18	0.25	0.15	0.2
(1,2265)	1:53:A:VAL:HG11	1:47:A:ASN:HB3	18	0.25	0.15	0.2
(1,2266)	1:53:B:VAL:HG11	1:50:B:ASP:HB2	18	0.25	0.15	0.2
(1,2266)	1:53:B:VAL:HG13	1:50:B:ASP:HB2	18	0.25	0.15	0.2
(1,2266)	1:53:B:VAL:HG12	1:50:B:ASP:HB2	18	0.25	0.15	0.2
(1,2266)	1:53:B:VAL:HG11	1:47:B:ASN:HB3	18	0.25	0.15	0.2
(1,83)	1:75:A:ILE:H	1:75:A:ILE:HD12	18	0.24	0.05	0.26
(1,83)	1:75:A:ILE:H	1:75:A:ILE:HD13	18	0.24	0.05	0.26
(1,83)	1:75:A:ILE:H	1:75:A:ILE:HD11	18	0.24	0.05	0.26
(1,3774)	1:55:B:ASP:H	1:54:B:ILE:HG23	18	0.24	0.07	0.26
(1,3774)	1:55:B:ASP:H	1:54:B:ILE:HG21	18	0.24	0.07	0.26
(1,3774)	1:55:B:ASP:H	1:54:B:ILE:HG22	18	0.24	0.07	0.26
(1,84)	1:75:B:ILE:H	1:75:B:ILE:HD12	18	0.24	0.05	0.26
(1,84)	1:75:B:ILE:H	1:75:B:ILE:HD13	18	0.24	0.05	0.26
(1,84)	1:75:B:ILE:H	1:75:B:ILE:HD11	18	0.24	0.05	0.26
(1,3773)	1:55:A:ASP:H	1:54:A:ILE:HG23	18	0.24	0.07	0.26
(1,3773)	1:55:A:ASP:H	1:54:A:ILE:HG21	18	0.24	0.07	0.26
(1,3773)	1:55:A:ASP:H	1:54:A:ILE:HG22	18	0.24	0.07	0.26
(1,3459)	1:57:A:ILE:H	1:55:A:ASP:HB3	18	0.24	0.1	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3460)	1:57:B:ILE:H	1:55:B:ASP:HB3	18	0.23	0.1	0.22
(1,3273)	1:52:A:ALA:H	1:50:A:ASP:H	18	0.23	0.05	0.23
(1,3274)	1:52:B:ALA:H	1:50:B:ASP:H	18	0.23	0.05	0.23
(1,203)	1:80:A:ILE:HD12	1:76:A:SER:HA	18	0.22	0.1	0.19
(1,203)	1:80:A:ILE:HD11	1:76:A:SER:HA	18	0.22	0.1	0.19
(1,203)	1:80:A:ILE:HD13	1:76:A:SER:HA	18	0.22	0.1	0.19
(1,3309)	1:54:A:ILE:H	1:49:A:LYS:H	18	0.21	0.06	0.21
(1,3310)	1:54:B:ILE:H	1:49:B:LYS:H	18	0.21	0.06	0.21
(1,2466)	1:6:B:GLU:HB2	1:6:B:GLU:HA	18	0.19	0.08	0.16
(1,2466)	1:32:B:GLU:HG2	1:32:B:GLU:HA	18	0.19	0.08	0.16
(1,2466)	1:6:B:GLU:HB3	1:6:B:GLU:HA	18	0.19	0.08	0.16
(1,2466)	1:32:B:GLU:HG3	1:32:B:GLU:HA	18	0.19	0.08	0.16
(1,3727)	1:55:A:ASP:H	1:53:A:VAL:HG13	18	0.18	0.06	0.19
(1,3727)	1:55:A:ASP:H	1:53:A:VAL:HG12	18	0.18	0.06	0.19
(1,3727)	1:55:A:ASP:H	1:53:A:VAL:HG11	18	0.18	0.06	0.19
(1,3727)	1:55:A:ASP:H	1:57:A:ILE:HG13	18	0.18	0.06	0.19
(1,3728)	1:55:B:ASP:H	1:53:B:VAL:HG13	18	0.18	0.06	0.19
(1,3728)	1:55:B:ASP:H	1:53:B:VAL:HG12	18	0.18	0.06	0.19
(1,3728)	1:55:B:ASP:H	1:53:B:VAL:HG11	18	0.18	0.06	0.19
(1,3728)	1:55:B:ASP:H	1:57:B:ILE:HG13	18	0.18	0.06	0.19
(1,3135)	1:80:A:ILE:HG23	1:80:A:ILE:HB	18	0.14	0.02	0.14
(1,3135)	1:80:A:ILE:HG21	1:80:A:ILE:HB	18	0.14	0.02	0.14
(1,3135)	1:57:A:ILE:HG23	1:57:A:ILE:HB	18	0.14	0.02	0.14
(1,3135)	1:57:A:ILE:HG22	1:57:A:ILE:HB	18	0.14	0.02	0.14
(1,3135)	1:57:A:ILE:HG21	1:57:A:ILE:HB	18	0.14	0.02	0.14
(1,3135)	1:80:A:ILE:HG22	1:80:A:ILE:HB	18	0.14	0.02	0.14
(1,3135)	1:48:A:ILE:HG21	1:48:A:ILE:HB	18	0.14	0.02	0.14
(1,3135)	1:48:A:ILE:HG22	1:48:A:ILE:HB	18	0.14	0.02	0.14
(1,3135)	1:48:A:ILE:HG23	1:48:A:ILE:HB	18	0.14	0.02	0.14
(1,3136)	1:80:B:ILE:HG23	1:80:B:ILE:HB	18	0.14	0.02	0.14
(1,3136)	1:80:B:ILE:HG21	1:80:B:ILE:HB	18	0.14	0.02	0.14
(1,3136)	1:57:B:ILE:HG23	1:57:B:ILE:HB	18	0.14	0.02	0.14
(1,3136)	1:57:B:ILE:HG22	1:57:B:ILE:HB	18	0.14	0.02	0.14
(1,3136)	1:57:B:ILE:HG21	1:57:B:ILE:HB	18	0.14	0.02	0.14
(1,3136)	1:80:B:ILE:HG22	1:80:B:ILE:HB	18	0.14	0.02	0.14
(1,3136)	1:48:B:ILE:HG22	1:48:B:ILE:HB	18	0.14	0.02	0.14
(1,3136)	1:48:B:ILE:HG23	1:48:B:ILE:HB	18	0.14	0.02	0.14
(1,2963)	1:91:A:LYS:HD3	1:44:A:THR:HG21	17	1.1	0.19	1.1
(1,2963)	1:91:A:LYS:HD3	1:44:A:THR:HG22	17	1.1	0.19	1.1
(1,2963)	1:91:A:LYS:HD3	1:44:A:THR:HG23	17	1.1	0.19	1.1
(1,2963)	1:91:A:LYS:HD3	1:53:A:VAL:HG11	17	1.1	0.19	1.1
(1,2964)	1:91:B:LYS:HD3	1:44:B:THR:HG21	17	1.1	0.19	1.1

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2964)	1:91:B:LYS:HD3	1:44:B:THR:HG22	17	1.1	0.19	1.1
(1,2964)	1:91:B:LYS:HD3	1:44:B:THR:HG23	17	1.1	0.19	1.1
(1,2964)	1:91:B:LYS:HD3	1:53:B:VAL:HG11	17	1.1	0.19	1.1
(1,554)	1:75:B:ILE:HD11	1:91:A:LYS:HD3	17	0.86	0.58	0.68
(1,554)	1:75:B:ILE:HD12	1:91:A:LYS:HD3	17	0.86	0.58	0.68
(1,554)	1:75:B:ILE:HD13	1:91:A:LYS:HD3	17	0.86	0.58	0.68
(1,511)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	17	0.75	0.44	0.68
(1,512)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	17	0.75	0.45	0.67
(1,2730)	1:75:B:ILE:HD11	1:91:A:LYS:HD3	17	0.66	0.3	0.66
(1,2730)	1:75:B:ILE:HD11	1:91:A:LYS:HB2	17	0.66	0.3	0.66
(1,2730)	1:75:B:ILE:HD12	1:91:A:LYS:HD3	17	0.66	0.3	0.66
(1,2730)	1:75:B:ILE:HD13	1:91:A:LYS:HD3	17	0.66	0.3	0.66
(1,2730)	1:75:B:ILE:HD13	1:91:A:LYS:HB2	17	0.66	0.3	0.66
(1,2180)	1:13:B:ASN:HB2	1:16:B:HIS:HB3	17	0.61	0.29	0.52
(1,2180)	1:13:B:ASN:HB2	1:16:B:HIS:HB2	17	0.61	0.29	0.52
(1,2179)	1:13:A:ASN:HB2	1:16:A:HIS:HB3	17	0.61	0.29	0.52
(1,2179)	1:13:A:ASN:HB2	1:16:A:HIS:HB2	17	0.61	0.29	0.52
(1,3417)	1:10:A:GLY:H	1:7:A:HIS:HB2	17	0.48	0.1	0.49
(1,3417)	1:10:A:GLY:H	1:7:B:HIS:HB3	17	0.48	0.1	0.49
(1,3417)	1:10:A:GLY:H	1:7:A:HIS:HB3	17	0.48	0.1	0.49
(1,3418)	1:10:B:GLY:H	1:7:B:HIS:HB2	17	0.48	0.1	0.51
(1,3418)	1:10:B:GLY:H	1:7:A:HIS:HB3	17	0.48	0.1	0.51
(1,3418)	1:10:B:GLY:H	1:7:B:HIS:HB3	17	0.48	0.1	0.51
(1,3074)	1:59:B:GLN:HA	1:61:B:LEU:HD12	17	0.48	0.18	0.46
(1,3074)	1:59:B:GLN:HA	1:61:B:LEU:HD11	17	0.48	0.18	0.46
(1,3074)	1:59:B:GLN:HA	1:61:B:LEU:HD13	17	0.48	0.18	0.46
(1,3074)	1:59:B:GLN:HA	1:30:B:LYS:HD3	17	0.48	0.18	0.46
(1,3073)	1:59:A:GLN:HA	1:61:A:LEU:HD12	17	0.48	0.18	0.46
(1,3073)	1:59:A:GLN:HA	1:61:A:LEU:HD11	17	0.48	0.18	0.46
(1,3073)	1:59:A:GLN:HA	1:61:A:LEU:HD13	17	0.48	0.18	0.46
(1,3073)	1:59:A:GLN:HA	1:30:A:LYS:HD3	17	0.48	0.18	0.46
(1,2884)	1:30:B:LYS:HB2	1:33:B:LEU:HB3	17	0.42	0.19	0.43
(1,2884)	1:79:B:ALA:HB3	1:82:B:LEU:HB2	17	0.42	0.19	0.43
(1,2884)	1:83:B:LYS:HG2	1:82:B:LEU:HB2	17	0.42	0.19	0.43
(1,2884)	1:83:B:LYS:HG3	1:82:B:LEU:HB2	17	0.42	0.19	0.43
(1,2884)	1:81:B:ALA:HB1	1:82:B:LEU:HB2	17	0.42	0.19	0.43
(1,2884)	1:79:B:ALA:HB1	1:82:B:LEU:HB2	17	0.42	0.19	0.43
(1,2884)	1:79:B:ALA:HB2	1:82:B:LEU:HB2	17	0.42	0.19	0.43
(1,2883)	1:30:A:LYS:HB2	1:33:A:LEU:HB3	17	0.42	0.19	0.43
(1,2883)	1:79:A:ALA:HB3	1:82:A:LEU:HB2	17	0.42	0.19	0.43
(1,2883)	1:83:A:LYS:HG2	1:82:A:LEU:HB2	17	0.42	0.19	0.43
(1,2883)	1:83:A:LYS:HG3	1:82:A:LEU:HB2	17	0.42	0.19	0.43

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2883)	1:81:A:ALA:HB1	1:82:A:LEU:HB2	17	0.42	0.19	0.43
(1,2883)	1:79:A:ALA:HB1	1:82:A:LEU:HB2	17	0.42	0.19	0.43
(1,2883)	1:79:A:ALA:HB2	1:82:A:LEU:HB2	17	0.42	0.19	0.43
(1,3706)	1:12:B:VAL:H	1:82:A:LEU:HG	17	0.41	0.16	0.39
(1,3705)	1:12:A:VAL:H	1:82:B:LEU:HG	17	0.41	0.15	0.4
(1,2263)	1:88:A:HIS:HB2	1:86:A:HIS:HB2	17	0.39	0.15	0.36
(1,2263)	1:88:A:HIS:HB3	1:86:A:HIS:HB2	17	0.39	0.15	0.36
(1,2264)	1:88:B:HIS:HB2	1:86:B:HIS:HB2	17	0.38	0.16	0.35
(1,2264)	1:88:B:HIS:HB3	1:86:B:HIS:HB2	17	0.38	0.16	0.35
(1,3621)	1:87:A:TYR:H	1:85:A:ALA:HB2	17	0.31	0.12	0.31
(1,3621)	1:87:A:TYR:H	1:85:A:ALA:HB1	17	0.31	0.12	0.31
(1,3621)	1:87:A:TYR:H	1:85:A:ALA:HB3	17	0.31	0.12	0.31
(1,3622)	1:87:B:TYR:H	1:85:B:ALA:HB2	17	0.3	0.12	0.31
(1,3622)	1:87:B:TYR:H	1:85:B:ALA:HB1	17	0.3	0.12	0.31
(1,3622)	1:87:B:TYR:H	1:85:B:ALA:HB3	17	0.3	0.12	0.31
(1,2255)	1:52:A:ALA:HB1	1:50:A:ASP:HB2	17	0.3	0.14	0.25
(1,2255)	1:52:A:ALA:HB2	1:50:A:ASP:HB2	17	0.3	0.14	0.25
(1,2255)	1:84:A:ALA:HB1	1:91:A:LYS:HE3	17	0.3	0.14	0.25
(1,2255)	1:52:A:ALA:HB3	1:50:A:ASP:HB2	17	0.3	0.14	0.25
(1,2255)	1:84:A:ALA:HB2	1:91:A:LYS:HE3	17	0.3	0.14	0.25
(1,2255)	1:84:A:ALA:HB3	1:91:A:LYS:HE3	17	0.3	0.14	0.25
(1,2256)	1:52:B:ALA:HB1	1:50:B:ASP:HB2	17	0.3	0.14	0.25
(1,2256)	1:52:B:ALA:HB2	1:50:B:ASP:HB2	17	0.3	0.14	0.25
(1,2256)	1:84:B:ALA:HB1	1:91:B:LYS:HE3	17	0.3	0.14	0.25
(1,2256)	1:52:B:ALA:HB3	1:50:B:ASP:HB2	17	0.3	0.14	0.25
(1,2256)	1:84:B:ALA:HB2	1:91:B:LYS:HE3	17	0.3	0.14	0.25
(1,2256)	1:84:B:ALA:HB3	1:91:B:LYS:HE3	17	0.3	0.14	0.25
(1,1358)	1:89:B:THR:H	1:87:B:TYR:HB3	17	0.23	0.06	0.23
(1,1357)	1:89:A:THR:H	1:87:A:TYR:HB3	17	0.23	0.06	0.23
(1,442)	1:49:B:LYS:HB2	1:53:B:VAL:HB	17	0.21	0.05	0.21
(1,441)	1:49:A:LYS:HB2	1:53:A:VAL:HB	17	0.21	0.06	0.2
(1,3527)	1:49:A:LYS:H	1:46:A:LYS:HD2	17	0.19	0.05	0.19
(1,3527)	1:49:A:LYS:H	1:46:A:LYS:HD3	17	0.19	0.05	0.19
(1,3528)	1:49:B:LYS:H	1:46:B:LYS:HD2	17	0.18	0.05	0.18
(1,3528)	1:49:B:LYS:H	1:46:B:LYS:HD3	17	0.18	0.05	0.18
(1,2359)	1:30:A:LYS:HG2	1:30:A:LYS:HE2	17	0.16	0.03	0.16
(1,2359)	1:30:A:LYS:HG2	1:30:A:LYS:HE3	17	0.16	0.03	0.16
(1,2360)	1:30:B:LYS:HG2	1:30:B:LYS:HE2	17	0.16	0.03	0.16
(1,2360)	1:30:B:LYS:HG2	1:30:B:LYS:HE3	17	0.16	0.03	0.16
(1,2611)	1:91:A:LYS:HE2	1:80:A:ILE:HB	16	0.9	0.3	0.95
(1,2611)	1:83:A:LYS:HB2	1:83:A:LYS:HE3	16	0.9	0.3	0.95
(1,2611)	1:91:A:LYS:HE3	1:83:A:LYS:HB3	16	0.9	0.3	0.95

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2611)	1:83:A:LYS:HB2	1:83:A:LYS:HE2	16	0.9	0.3	0.95
(1,2611)	1:91:A:LYS:HE2	1:83:A:LYS:HB3	16	0.9	0.3	0.95
(1,2612)	1:91:B:LYS:HE2	1:80:B:ILE:HB	16	0.9	0.3	0.94
(1,2612)	1:83:B:LYS:HB2	1:83:B:LYS:HE3	16	0.9	0.3	0.94
(1,2612)	1:91:B:LYS:HE3	1:83:B:LYS:HB3	16	0.9	0.3	0.94
(1,2612)	1:83:B:LYS:HB2	1:83:B:LYS:HE2	16	0.9	0.3	0.94
(1,2612)	1:91:B:LYS:HE2	1:83:B:LYS:HB3	16	0.9	0.3	0.94
(1,1748)	1:91:B:LYS:H	1:84:B:ALA:HB1	16	0.88	0.5	1.02
(1,1748)	1:91:B:LYS:H	1:84:B:ALA:HB2	16	0.88	0.5	1.02
(1,1748)	1:91:B:LYS:H	1:84:B:ALA:HB3	16	0.88	0.5	1.02
(1,1748)	1:85:B:ALA:HB3	1:88:B:HIS:H	16	0.88	0.5	1.02
(1,1748)	1:85:B:ALA:HB1	1:88:B:HIS:H	16	0.88	0.5	1.02
(1,1747)	1:91:A:LYS:H	1:84:A:ALA:HB1	16	0.88	0.5	1.02
(1,1747)	1:91:A:LYS:H	1:84:A:ALA:HB2	16	0.88	0.5	1.02
(1,1747)	1:91:A:LYS:H	1:84:A:ALA:HB3	16	0.88	0.5	1.02
(1,1747)	1:85:A:ALA:HB3	1:88:A:HIS:H	16	0.88	0.5	1.02
(1,1747)	1:85:A:ALA:HB1	1:88:A:HIS:H	16	0.88	0.5	1.02
(1,2561)	1:91:A:LYS:HE2	1:80:A:ILE:HB	16	0.88	0.3	0.92
(1,2561)	1:83:A:LYS:HB2	1:83:A:LYS:HE3	16	0.88	0.3	0.92
(1,2561)	1:91:A:LYS:HE3	1:83:A:LYS:HB3	16	0.88	0.3	0.92
(1,2561)	1:83:A:LYS:HB2	1:83:A:LYS:HE2	16	0.88	0.3	0.92
(1,2561)	1:91:A:LYS:HE2	1:83:A:LYS:HB3	16	0.88	0.3	0.92
(1,2562)	1:91:B:LYS:HE2	1:80:B:ILE:HB	16	0.88	0.3	0.92
(1,2562)	1:83:B:LYS:HB2	1:83:B:LYS:HE3	16	0.88	0.3	0.92
(1,2562)	1:91:B:LYS:HE3	1:83:B:LYS:HB3	16	0.88	0.3	0.92
(1,2562)	1:83:B:LYS:HB2	1:83:B:LYS:HE2	16	0.88	0.3	0.92
(1,2562)	1:91:B:LYS:HE2	1:83:B:LYS:HB3	16	0.88	0.3	0.92
(1,3039)	1:53:A:VAL:HG11	1:45:A:ILE:HG13	16	0.8	0.2	0.84
(1,3039)	1:53:A:VAL:HG13	1:45:A:ILE:HG13	16	0.8	0.2	0.84
(1,3039)	1:57:A:ILE:HG12	1:45:A:ILE:HG13	16	0.8	0.2	0.84
(1,3039)	1:53:A:VAL:HG12	1:45:A:ILE:HG13	16	0.8	0.2	0.84
(1,3039)	1:57:A:ILE:HG13	1:45:A:ILE:HG13	16	0.8	0.2	0.84
(1,3040)	1:53:B:VAL:HG11	1:45:B:ILE:HG13	16	0.8	0.2	0.83
(1,3040)	1:53:B:VAL:HG13	1:45:B:ILE:HG13	16	0.8	0.2	0.83
(1,3040)	1:57:B:ILE:HG12	1:45:B:ILE:HG13	16	0.8	0.2	0.83
(1,3040)	1:53:B:VAL:HG12	1:45:B:ILE:HG13	16	0.8	0.2	0.83
(1,3040)	1:57:B:ILE:HG13	1:45:B:ILE:HG13	16	0.8	0.2	0.83
(1,2267)	1:75:A:ILE:HD12	1:83:B:LYS:HE3	16	0.58	0.28	0.6
(1,2267)	1:75:A:ILE:HD13	1:75:A:ILE:HA	16	0.58	0.28	0.6
(1,2267)	1:75:A:ILE:HD13	1:83:B:LYS:HE3	16	0.58	0.28	0.6
(1,2267)	1:75:A:ILE:HD12	1:83:B:LYS:HE2	16	0.58	0.28	0.6
(1,2267)	1:75:A:ILE:HD11	1:83:B:LYS:HE3	16	0.58	0.28	0.6

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2267)	1:75:A:ILE:HD11	1:83:B:LYS:HE2	16	0.58	0.28	0.6
(1,2267)	1:75:A:ILE:HD13	1:83:B:LYS:HE2	16	0.58	0.28	0.6
(1,2268)	1:75:B:ILE:HD12	1:83:A:LYS:HE3	16	0.58	0.29	0.61
(1,2268)	1:75:B:ILE:HD13	1:75:B:ILE:HA	16	0.58	0.29	0.61
(1,2268)	1:75:B:ILE:HD13	1:83:A:LYS:HE3	16	0.58	0.29	0.61
(1,2268)	1:75:B:ILE:HD12	1:83:A:LYS:HE2	16	0.58	0.29	0.61
(1,2268)	1:75:B:ILE:HD11	1:83:A:LYS:HE3	16	0.58	0.29	0.61
(1,2268)	1:75:B:ILE:HD11	1:83:A:LYS:HE2	16	0.58	0.29	0.61
(1,2268)	1:75:B:ILE:HD13	1:83:A:LYS:HE2	16	0.58	0.29	0.61
(1,1694)	1:75:B:ILE:HD12	1:83:A:LYS:HE3	16	0.52	0.25	0.48
(1,1694)	1:75:B:ILE:HD13	1:83:A:LYS:HE2	16	0.52	0.25	0.48
(1,1694)	1:75:B:ILE:HD13	1:83:A:LYS:HE3	16	0.52	0.25	0.48
(1,1694)	1:75:B:ILE:HD12	1:83:A:LYS:HE2	16	0.52	0.25	0.48
(1,1694)	1:75:B:ILE:HD11	1:83:A:LYS:HE3	16	0.52	0.25	0.48
(1,1694)	1:75:B:ILE:HD11	1:83:A:LYS:HE2	16	0.52	0.25	0.48
(1,1693)	1:75:A:ILE:HD12	1:83:B:LYS:HE3	16	0.52	0.25	0.48
(1,1693)	1:75:A:ILE:HD13	1:83:B:LYS:HE2	16	0.52	0.25	0.48
(1,1693)	1:75:A:ILE:HD13	1:83:B:LYS:HE3	16	0.52	0.25	0.48
(1,1693)	1:75:A:ILE:HD12	1:83:B:LYS:HE2	16	0.52	0.25	0.48
(1,1693)	1:75:A:ILE:HD11	1:83:B:LYS:HE3	16	0.52	0.25	0.48
(1,1693)	1:75:A:ILE:HD11	1:83:B:LYS:HE2	16	0.52	0.25	0.48
(1,1688)	1:12:B:VAL:HG22	1:82:A:LEU:HA	16	0.32	0.14	0.34
(1,1688)	1:12:B:VAL:HG21	1:82:A:LEU:HA	16	0.32	0.14	0.34
(1,1688)	1:12:B:VAL:HG23	1:86:A:HIS:HA	16	0.32	0.14	0.34
(1,1688)	1:12:B:VAL:HG23	1:82:A:LEU:HA	16	0.32	0.14	0.34
(1,1688)	1:12:B:VAL:HG22	1:86:A:HIS:HA	16	0.32	0.14	0.34
(1,76)	1:41:B:LEU:H	1:40:B:GLU:HG2	16	0.3	0.11	0.28
(1,75)	1:41:A:LEU:H	1:40:A:GLU:HG2	16	0.3	0.11	0.27
(1,3048)	1:30:B:LYS:HA	1:33:B:LEU:HD22	16	0.27	0.19	0.16
(1,3048)	1:30:B:LYS:HA	1:33:B:LEU:HD23	16	0.27	0.19	0.16
(1,3048)	1:30:B:LYS:HA	1:33:B:LEU:HD21	16	0.27	0.19	0.16
(1,3047)	1:30:A:LYS:HA	1:33:A:LEU:HD22	16	0.27	0.19	0.16
(1,3047)	1:30:A:LYS:HA	1:33:A:LEU:HD23	16	0.27	0.19	0.16
(1,3047)	1:30:A:LYS:HA	1:33:A:LEU:HD21	16	0.27	0.19	0.16
(1,3104)	1:30:B:LYS:HG2	1:30:B:LYS:HD3	16	0.27	0.19	0.18
(1,3104)	1:30:B:LYS:HG2	1:54:B:ILE:HG23	16	0.27	0.19	0.18
(1,3104)	1:30:B:LYS:HG2	1:54:B:ILE:HG22	16	0.27	0.19	0.18
(1,3103)	1:30:A:LYS:HG2	1:30:A:LYS:HD3	16	0.27	0.19	0.18
(1,3103)	1:30:A:LYS:HG2	1:54:A:ILE:HG23	16	0.27	0.19	0.18
(1,3103)	1:30:A:LYS:HG2	1:54:A:ILE:HG22	16	0.27	0.19	0.18
(1,3038)	1:35:B:GLN:HB3	1:36:B:LEU:HG	16	0.27	0.1	0.28
(1,3037)	1:35:A:GLN:HB3	1:36:A:LEU:HG	16	0.27	0.1	0.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3334)	1:69:B:VAL:H	1:29:B:SER:HB3	16	0.27	0.16	0.24
(1,3333)	1:69:A:VAL:H	1:29:A:SER:HB3	16	0.27	0.16	0.24
(1,2149)	1:67:A:GLU:HA	1:30:A:LYS:HA	16	0.25	0.06	0.23
(1,2150)	1:67:B:GLU:HA	1:30:B:LYS:HA	16	0.25	0.06	0.23
(1,3132)	1:54:B:ILE:HG23	1:58:B:PHE:HB3	16	0.24	0.15	0.21
(1,3132)	1:54:B:ILE:HG21	1:58:B:PHE:HB3	16	0.24	0.15	0.21
(1,3132)	1:54:B:ILE:HG22	1:58:B:PHE:HB3	16	0.24	0.15	0.21
(1,1849)	1:54:A:ILE:H	1:53:A:VAL:HG13	16	0.18	0.05	0.18
(1,1849)	1:54:A:ILE:H	1:53:A:VAL:HG12	16	0.18	0.05	0.18
(1,1849)	1:54:A:ILE:H	1:53:A:VAL:HG11	16	0.18	0.05	0.18
(1,3549)	1:48:A:ILE:H	1:46:A:LYS:HD2	16	0.17	0.02	0.16
(1,3550)	1:48:B:ILE:H	1:46:B:LYS:HD2	16	0.17	0.02	0.16
(1,3659)	1:33:A:LEU:H	1:33:A:LEU:HG	16	0.12	0.01	0.12
(1,3660)	1:33:B:LEU:H	1:33:B:LEU:HG	16	0.12	0.01	0.12
(2,135)	1:18:A:TYR:H	1:32:A:GLU:HB2	15	1.52	0.18	1.56
(2,136)	1:18:B:TYR:H	1:32:B:GLU:HB2	15	1.52	0.18	1.56
(1,398)	1:12:B:VAL:HA	1:86:A:HIS:HB3	15	1.09	0.65	1.53
(1,397)	1:12:A:VAL:HA	1:86:B:HIS:HB3	15	1.09	0.65	1.52
(1,3429)	1:56:A:GLU:H	1:51:A:LYS:HE2	15	0.8	0.39	0.88
(1,3429)	1:56:A:GLU:H	1:46:A:LYS:HE2	15	0.8	0.39	0.88
(1,3429)	1:56:A:GLU:H	1:50:A:ASP:HB2	15	0.8	0.39	0.88
(1,3430)	1:56:B:GLU:H	1:51:B:LYS:HE2	15	0.8	0.39	0.89
(1,3430)	1:56:B:GLU:H	1:46:B:LYS:HE2	15	0.8	0.39	0.89
(1,3430)	1:56:B:GLU:H	1:46:B:LYS:HE3	15	0.8	0.39	0.89
(1,2566)	1:86:B:HIS:HB3	1:83:B:LYS:HB3	15	0.77	0.4	0.86
(1,2566)	1:86:B:HIS:HB3	1:9:A:GLU:HB2	15	0.77	0.4	0.86
(1,2566)	1:86:B:HIS:HB3	1:83:B:LYS:HB2	15	0.77	0.4	0.86
(1,2565)	1:86:A:HIS:HB3	1:83:A:LYS:HB3	15	0.77	0.4	0.87
(1,2565)	1:86:A:HIS:HB3	1:9:B:GLU:HB2	15	0.77	0.4	0.87
(1,2565)	1:86:A:HIS:HB3	1:83:A:LYS:HB2	15	0.77	0.4	0.87
(1,1695)	1:83:A:LYS:HE3	1:71:B:PHE:HB2	15	0.74	0.31	0.61
(1,1695)	1:83:A:LYS:HE2	1:72:B:GLN:HG3	15	0.74	0.31	0.61
(1,1696)	1:83:B:LYS:HE3	1:71:A:PHE:HB2	15	0.74	0.31	0.61
(1,1696)	1:83:B:LYS:HE2	1:72:A:GLN:HG3	15	0.74	0.31	0.61
(1,3145)	1:88:A:HIS:HB2	1:12:B:VAL:HG21	15	0.66	0.23	0.75
(1,3145)	1:88:A:HIS:HB2	1:12:B:VAL:HG23	15	0.66	0.23	0.75
(1,3145)	1:88:A:HIS:HB2	1:12:B:VAL:HG22	15	0.66	0.23	0.75
(1,3145)	1:88:A:HIS:HB3	1:12:B:VAL:HG22	15	0.66	0.23	0.75
(1,3145)	1:88:A:HIS:HB3	1:12:B:VAL:HG21	15	0.66	0.23	0.75
(1,3145)	1:88:A:HIS:HB3	1:12:B:VAL:HG23	15	0.66	0.23	0.75
(1,3146)	1:88:B:HIS:HB2	1:12:A:VAL:HG21	15	0.66	0.23	0.71
(1,3146)	1:88:B:HIS:HB2	1:12:A:VAL:HG23	15	0.66	0.23	0.71

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3146)	1:88:B:HIS:HB2	1:12:A:VAL:HG22	15	0.66	0.23	0.71
(1,3146)	1:88:B:HIS:HB3	1:12:A:VAL:HG22	15	0.66	0.23	0.71
(1,3146)	1:88:B:HIS:HB3	1:12:A:VAL:HG21	15	0.66	0.23	0.71
(1,3146)	1:88:B:HIS:HB3	1:12:A:VAL:HG23	15	0.66	0.23	0.71
(1,2166)	1:12:B:VAL:HG21	1:88:A:HIS:HB2	15	0.58	0.19	0.56
(1,2166)	1:12:B:VAL:HG23	1:88:A:HIS:HB2	15	0.58	0.19	0.56
(1,2166)	1:12:B:VAL:HG22	1:88:A:HIS:HB2	15	0.58	0.19	0.56
(1,2166)	1:12:B:VAL:HG22	1:88:A:HIS:HB3	15	0.58	0.19	0.56
(1,2166)	1:12:B:VAL:HG23	1:16:B:HIS:HB2	15	0.58	0.19	0.56
(1,2166)	1:12:B:VAL:HG21	1:16:B:HIS:HB2	15	0.58	0.19	0.56
(1,2166)	1:12:B:VAL:HG23	1:88:A:HIS:HB3	15	0.58	0.19	0.56
(1,2166)	1:12:B:VAL:HG22	1:16:B:HIS:HB2	15	0.58	0.19	0.56
(1,2165)	1:12:A:VAL:HG21	1:88:B:HIS:HB2	15	0.58	0.18	0.58
(1,2165)	1:12:A:VAL:HG23	1:88:B:HIS:HB2	15	0.58	0.18	0.58
(1,2165)	1:12:A:VAL:HG22	1:88:B:HIS:HB2	15	0.58	0.18	0.58
(1,2165)	1:12:A:VAL:HG22	1:88:B:HIS:HB3	15	0.58	0.18	0.58
(1,2165)	1:12:A:VAL:HG23	1:16:A:HIS:HB2	15	0.58	0.18	0.58
(1,2165)	1:12:A:VAL:HG21	1:16:A:HIS:HB2	15	0.58	0.18	0.58
(1,2165)	1:12:A:VAL:HG23	1:88:B:HIS:HB3	15	0.58	0.18	0.58
(1,2165)	1:12:A:VAL:HG22	1:16:A:HIS:HB2	15	0.58	0.18	0.58
(1,3478)	1:70:B:ASP:H	1:72:B:GLN:HG2	15	0.49	0.21	0.47
(1,3478)	1:70:B:ASP:H	1:68:B:GLN:HG2	15	0.49	0.21	0.47
(1,3478)	1:70:B:ASP:H	1:71:B:PHE:HB2	15	0.49	0.21	0.47
(1,3477)	1:70:A:ASP:H	1:72:A:GLN:HG2	15	0.49	0.21	0.46
(1,3477)	1:70:A:ASP:H	1:68:A:GLN:HG2	15	0.49	0.21	0.46
(1,3477)	1:70:A:ASP:H	1:71:A:PHE:HB2	15	0.49	0.21	0.46
(1,2749)	1:32:A:GLU:HG2	1:33:A:LEU:HB3	15	0.48	0.2	0.48
(1,2749)	1:9:A:GLU:HG3	1:84:B:ALA:HB3	15	0.48	0.2	0.48
(1,2749)	1:32:A:GLU:HG3	1:33:A:LEU:HB3	15	0.48	0.2	0.48
(1,2749)	1:32:A:GLU:HG3	1:36:A:LEU:HB2	15	0.48	0.2	0.48
(1,2749)	1:9:A:GLU:HG3	1:84:B:ALA:HB2	15	0.48	0.2	0.48
(1,2750)	1:32:B:GLU:HG2	1:33:B:LEU:HB3	15	0.48	0.2	0.48
(1,2750)	1:9:B:GLU:HG3	1:84:A:ALA:HB3	15	0.48	0.2	0.48
(1,2750)	1:32:B:GLU:HG3	1:33:B:LEU:HB3	15	0.48	0.2	0.48
(1,2750)	1:32:B:GLU:HG3	1:36:B:LEU:HB2	15	0.48	0.2	0.48
(1,2750)	1:9:B:GLU:HG3	1:84:A:ALA:HB2	15	0.48	0.2	0.48
(1,466)	1:36:B:LEU:HD21	1:40:B:GLU:HG3	15	0.39	0.14	0.37
(1,466)	1:36:B:LEU:HD21	1:40:B:GLU:HG2	15	0.39	0.14	0.37
(1,466)	1:36:B:LEU:HD23	1:40:B:GLU:HG3	15	0.39	0.14	0.37
(1,466)	1:36:B:LEU:HD22	1:40:B:GLU:HG3	15	0.39	0.14	0.37
(1,466)	1:36:B:LEU:HD23	1:40:B:GLU:HG2	15	0.39	0.14	0.37
(1,465)	1:36:A:LEU:HD21	1:40:A:GLU:HG3	15	0.39	0.14	0.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,465)	1:36:A:LEU:HD21	1:40:A:GLU:HG2	15	0.39	0.14	0.36
(1,465)	1:36:A:LEU:HD23	1:40:A:GLU:HG3	15	0.39	0.14	0.36
(1,465)	1:36:A:LEU:HD22	1:40:A:GLU:HG3	15	0.39	0.14	0.36
(1,465)	1:36:A:LEU:HD23	1:40:A:GLU:HG2	15	0.39	0.14	0.36
(1,3694)	1:75:B:ILE:H	1:83:A:LYS:HG2	15	0.34	0.25	0.29
(1,3694)	1:75:B:ILE:H	1:82:A:LEU:HG	15	0.34	0.25	0.29
(1,3694)	1:75:B:ILE:H	1:83:A:LYS:HG3	15	0.34	0.25	0.29
(1,1687)	1:12:A:VAL:HG22	1:82:B:LEU:HA	15	0.33	0.13	0.33
(1,1687)	1:12:A:VAL:HG21	1:82:B:LEU:HA	15	0.33	0.13	0.33
(1,1687)	1:12:A:VAL:HG23	1:86:B:HIS:HA	15	0.33	0.13	0.33
(1,1687)	1:12:A:VAL:HG23	1:82:B:LEU:HA	15	0.33	0.13	0.33
(1,1687)	1:12:A:VAL:HG22	1:86:B:HIS:HA	15	0.33	0.13	0.33
(1,3181)	1:75:A:ILE:HD13	1:72:A:GLN:HG3	15	0.3	0.13	0.27
(1,3181)	1:75:A:ILE:HD12	1:72:A:GLN:HG3	15	0.3	0.13	0.27
(1,3181)	1:75:A:ILE:HD11	1:72:A:GLN:HG3	15	0.3	0.13	0.27
(1,3181)	1:72:A:GLN:HG3	1:75:A:ILE:HG22	15	0.3	0.13	0.27
(1,3181)	1:72:A:GLN:HG3	1:75:A:ILE:HG21	15	0.3	0.13	0.27
(1,3182)	1:75:B:ILE:HD13	1:72:B:GLN:HG3	15	0.3	0.13	0.27
(1,3182)	1:72:B:GLN:HG3	1:75:B:ILE:HG22	15	0.3	0.13	0.27
(1,3182)	1:75:B:ILE:HD12	1:72:B:GLN:HG3	15	0.3	0.13	0.27
(1,3182)	1:75:B:ILE:HD11	1:72:B:GLN:HG3	15	0.3	0.13	0.27
(1,3182)	1:72:B:GLN:HG3	1:75:B:ILE:HG21	15	0.3	0.13	0.27
(1,3075)	1:85:A:ALA:HA	1:12:B:VAL:HG21	15	0.3	0.13	0.28
(1,3075)	1:85:A:ALA:HA	1:12:B:VAL:HG23	15	0.3	0.13	0.28
(1,3075)	1:85:A:ALA:HA	1:12:B:VAL:HG22	15	0.3	0.13	0.28
(1,2299)	1:53:A:VAL:HA	1:50:A:ASP:HB3	15	0.3	0.11	0.26
(1,2300)	1:53:B:VAL:HA	1:50:B:ASP:HB3	15	0.3	0.11	0.27
(1,3076)	1:85:B:ALA:HA	1:12:A:VAL:HG21	15	0.29	0.12	0.28
(1,3076)	1:85:B:ALA:HA	1:12:A:VAL:HG23	15	0.29	0.12	0.28
(1,3076)	1:85:B:ALA:HA	1:12:A:VAL:HG22	15	0.29	0.12	0.28
(1,3604)	1:58:B:PHE:H	1:61:B:LEU:HB2	15	0.29	0.08	0.3
(1,3603)	1:58:A:PHE:H	1:61:A:LEU:HB2	15	0.29	0.08	0.29
(1,3286)	1:76:B:SER:H	1:72:B:GLN:H	15	0.28	0.06	0.28
(1,3285)	1:76:A:SER:H	1:72:A:GLN:H	15	0.28	0.06	0.27
(1,3451)	1:72:A:GLN:H	1:83:B:LYS:HE3	15	0.27	0.15	0.2
(1,3451)	1:72:A:GLN:H	1:83:B:LYS:HE2	15	0.27	0.15	0.2
(1,3452)	1:72:B:GLN:H	1:83:A:LYS:HE3	15	0.27	0.14	0.21
(1,3452)	1:72:B:GLN:H	1:83:A:LYS:HE2	15	0.27	0.14	0.21
(1,3684)	1:43:B:ASN:H	1:48:B:ILE:HG12	15	0.26	0.11	0.27
(1,3684)	1:43:B:ASN:H	1:45:B:ILE:HG13	15	0.26	0.11	0.27
(1,3683)	1:43:A:ASN:H	1:48:A:ILE:HG12	15	0.26	0.11	0.28
(1,3683)	1:43:A:ASN:H	1:45:A:ILE:HG13	15	0.26	0.11	0.28

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3131)	1:54:A:ILE:HG23	1:58:A:PHE:HB3	15	0.26	0.15	0.22
(1,3131)	1:54:A:ILE:HG21	1:58:A:PHE:HB3	15	0.26	0.15	0.22
(1,3131)	1:54:A:ILE:HG22	1:58:A:PHE:HB3	15	0.26	0.15	0.22
(1,1850)	1:54:B:ILE:H	1:53:B:VAL:HG13	15	0.19	0.05	0.2
(1,1850)	1:54:B:ILE:H	1:53:B:VAL:HG12	15	0.19	0.05	0.2
(1,1850)	1:54:B:ILE:H	1:53:B:VAL:HG11	15	0.19	0.05	0.2
(1,1851)	1:75:A:ILE:H	1:75:A:ILE:HG22	15	0.19	0.04	0.19
(1,1851)	1:75:A:ILE:H	1:75:A:ILE:HG23	15	0.19	0.04	0.19
(1,1851)	1:75:A:ILE:H	1:75:A:ILE:HG21	15	0.19	0.04	0.19
(1,1852)	1:75:B:ILE:H	1:75:B:ILE:HG22	15	0.18	0.04	0.19
(1,1852)	1:75:B:ILE:H	1:75:B:ILE:HG23	15	0.18	0.04	0.19
(1,1852)	1:75:B:ILE:H	1:75:B:ILE:HG21	15	0.18	0.04	0.19
(1,2430)	1:67:B:GLU:HG3	1:59:B:GLN:HG2	14	0.89	0.42	1.08
(1,2430)	1:67:B:GLU:HG2	1:59:B:GLN:HG2	14	0.89	0.42	1.08
(1,2430)	1:56:B:GLU:HG3	1:59:B:GLN:HG3	14	0.89	0.42	1.08
(1,2430)	1:56:B:GLU:HG3	1:59:B:GLN:HG2	14	0.89	0.42	1.08
(1,2429)	1:67:A:GLU:HG3	1:59:A:GLN:HG2	14	0.89	0.42	1.08
(1,2429)	1:67:A:GLU:HG2	1:59:A:GLN:HG2	14	0.89	0.42	1.08
(1,2429)	1:56:A:GLU:HG3	1:59:A:GLN:HG3	14	0.89	0.42	1.08
(1,2429)	1:56:A:GLU:HG3	1:59:A:GLN:HG2	14	0.89	0.42	1.08
(1,2648)	1:67:B:GLU:HG2	1:68:B:GLN:HB2	14	0.62	0.29	0.53
(1,2648)	1:67:B:GLU:HG3	1:68:B:GLN:HB3	14	0.62	0.29	0.53
(1,2648)	1:67:B:GLU:HG3	1:68:B:GLN:HB2	14	0.62	0.29	0.53
(1,2648)	1:67:B:GLU:HG2	1:68:B:GLN:HB3	14	0.62	0.29	0.53
(1,2647)	1:67:A:GLU:HG2	1:68:A:GLN:HB2	14	0.61	0.28	0.53
(1,2647)	1:67:A:GLU:HG3	1:68:A:GLN:HB3	14	0.61	0.28	0.53
(1,2647)	1:67:A:GLU:HG3	1:68:A:GLN:HB2	14	0.61	0.28	0.53
(1,2647)	1:67:A:GLU:HG2	1:68:A:GLN:HB3	14	0.61	0.28	0.53
(1,2075)	1:79:A:ALA:HA	1:79:B:ALA:HA	14	0.53	0.16	0.56
(1,2075)	1:79:A:ALA:HA	1:76:A:SER:HB3	14	0.53	0.16	0.56
(1,2076)	1:79:B:ALA:HA	1:79:A:ALA:HA	14	0.53	0.16	0.56
(1,2076)	1:79:B:ALA:HA	1:76:B:SER:HB3	14	0.53	0.16	0.56
(1,2073)	1:79:A:ALA:HA	1:79:B:ALA:HA	14	0.48	0.12	0.52
(1,2073)	1:81:A:ALA:HA	1:79:A:ALA:HA	14	0.48	0.12	0.52
(1,2073)	1:79:A:ALA:HA	1:76:A:SER:HB3	14	0.48	0.12	0.52
(1,2074)	1:79:B:ALA:HA	1:79:A:ALA:HA	14	0.48	0.12	0.52
(1,2074)	1:81:B:ALA:HA	1:79:B:ALA:HA	14	0.48	0.12	0.52
(1,2074)	1:79:B:ALA:HA	1:76:B:SER:HB3	14	0.48	0.12	0.52
(1,2269)	1:83:A:LYS:HA	1:83:A:LYS:HE2	14	0.46	0.12	0.46
(1,2269)	1:86:A:HIS:HB2	1:83:A:LYS:HA	14	0.46	0.12	0.46
(1,2270)	1:83:B:LYS:HA	1:83:B:LYS:HE2	14	0.46	0.12	0.46
(1,2270)	1:86:B:HIS:HB2	1:83:B:LYS:HA	14	0.46	0.12	0.46

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2197)	1:30:A:LYS:HE3	1:51:A:LYS:HE2	14	0.38	0.15	0.37
(1,2197)	1:30:A:LYS:HE2	1:51:A:LYS:HE2	14	0.38	0.15	0.37
(1,2197)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	14	0.38	0.15	0.37
(1,2197)	1:30:A:LYS:HE2	1:51:A:LYS:HE3	14	0.38	0.15	0.37
(1,2198)	1:30:B:LYS:HE3	1:51:B:LYS:HE2	14	0.38	0.15	0.37
(1,2198)	1:30:B:LYS:HE2	1:51:B:LYS:HE2	14	0.38	0.15	0.37
(1,2198)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	14	0.38	0.15	0.37
(1,2198)	1:30:B:LYS:HE2	1:51:B:LYS:HE3	14	0.38	0.15	0.37
(1,617)	1:42:A:ALA:HB1	1:43:A:ASN:HB3	14	0.38	0.32	0.24
(1,617)	1:42:A:ALA:HB3	1:43:A:ASN:HB3	14	0.38	0.32	0.24
(1,617)	1:42:A:ALA:HB2	1:43:A:ASN:HB3	14	0.38	0.32	0.24
(1,618)	1:42:B:ALA:HB1	1:43:B:ASN:HB3	14	0.38	0.32	0.23
(1,618)	1:42:B:ALA:HB3	1:43:B:ASN:HB3	14	0.38	0.32	0.23
(1,618)	1:42:B:ALA:HB2	1:43:B:ASN:HB3	14	0.38	0.32	0.23
(1,3693)	1:75:A:ILE:H	1:83:B:LYS:HG2	14	0.36	0.25	0.32
(1,3693)	1:75:A:ILE:H	1:82:B:LEU:HG	14	0.36	0.25	0.32
(1,3693)	1:75:A:ILE:H	1:83:B:LYS:HG3	14	0.36	0.25	0.32
(1,2261)	1:72:A:GLN:HG3	1:83:B:LYS:HE2	14	0.33	0.14	0.28
(1,2261)	1:72:A:GLN:HG3	1:83:B:LYS:HE3	14	0.33	0.14	0.28
(1,2261)	1:72:A:GLN:HG2	1:83:B:LYS:HE3	14	0.33	0.14	0.28
(1,2262)	1:72:B:GLN:HG3	1:83:A:LYS:HE2	14	0.33	0.14	0.28
(1,2262)	1:72:B:GLN:HG3	1:83:A:LYS:HE3	14	0.33	0.14	0.28
(1,2262)	1:72:B:GLN:HG2	1:83:A:LYS:HE3	14	0.33	0.14	0.28
(1,2259)	1:72:A:GLN:HA	1:75:A:ILE:HA	14	0.31	0.09	0.34
(1,2259)	1:72:A:GLN:HA	1:83:B:LYS:HE2	14	0.31	0.09	0.34
(1,2260)	1:72:B:GLN:HA	1:75:B:ILE:HA	14	0.31	0.09	0.34
(1,2260)	1:72:B:GLN:HA	1:83:A:LYS:HE2	14	0.31	0.09	0.34
(1,2661)	1:30:A:LYS:HG3	1:34:A:LYS:HB2	14	0.3	0.07	0.29
(1,2661)	1:30:A:LYS:HG3	1:34:A:LYS:HB3	14	0.3	0.07	0.29
(1,2662)	1:30:B:LYS:HG3	1:34:B:LYS:HB2	14	0.3	0.07	0.29
(1,2662)	1:30:B:LYS:HG3	1:34:B:LYS:HB3	14	0.3	0.07	0.29
(1,1811)	1:44:A:THR:H	1:46:A:LYS:HA	14	0.28	0.08	0.29
(1,1812)	1:44:B:THR:H	1:46:B:LYS:HA	14	0.28	0.08	0.29
(1,2630)	1:81:B:ALA:HB3	1:80:B:ILE:HB	14	0.26	0.07	0.26
(1,2630)	1:81:B:ALA:HB1	1:41:B:LEU:HB3	14	0.26	0.07	0.26
(1,2630)	1:81:B:ALA:HB1	1:80:B:ILE:HB	14	0.26	0.07	0.26
(1,2630)	1:81:B:ALA:HB3	1:41:B:LEU:HB3	14	0.26	0.07	0.26
(1,2630)	1:81:B:ALA:HB2	1:80:B:ILE:HB	14	0.26	0.07	0.26
(1,2629)	1:81:A:ALA:HB3	1:80:A:ILE:HB	14	0.26	0.07	0.26
(1,2629)	1:81:A:ALA:HB1	1:41:A:LEU:HB3	14	0.26	0.07	0.26
(1,2629)	1:81:A:ALA:HB1	1:80:A:ILE:HB	14	0.26	0.07	0.26
(1,2629)	1:81:A:ALA:HB3	1:41:A:LEU:HB3	14	0.26	0.07	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2629)	1:81:A:ALA:HB2	1:80:A:ILE:HB	14	0.26	0.07	0.26
(1,2039)	1:48:A:ILE:HD12	1:42:A:ALA:HA	14	0.24	0.09	0.23
(1,2039)	1:48:A:ILE:HD13	1:81:A:ALA:HA	14	0.24	0.09	0.23
(1,2039)	1:48:A:ILE:HD11	1:81:A:ALA:HA	14	0.24	0.09	0.23
(1,2039)	1:48:A:ILE:HD13	1:42:A:ALA:HA	14	0.24	0.09	0.23
(1,2039)	1:48:A:ILE:HD11	1:42:A:ALA:HA	14	0.24	0.09	0.23
(1,2040)	1:48:B:ILE:HD12	1:42:B:ALA:HA	14	0.24	0.09	0.22
(1,2040)	1:48:B:ILE:HD13	1:81:B:ALA:HA	14	0.24	0.09	0.22
(1,2040)	1:48:B:ILE:HD11	1:81:B:ALA:HA	14	0.24	0.09	0.22
(1,2040)	1:48:B:ILE:HD13	1:42:B:ALA:HA	14	0.24	0.09	0.22
(1,2040)	1:48:B:ILE:HD11	1:42:B:ALA:HA	14	0.24	0.09	0.22
(1,471)	1:78:A:VAL:HG23	1:11:A:ILE:HB	14	0.23	0.07	0.24
(1,471)	1:78:A:VAL:HG22	1:11:A:ILE:HB	14	0.23	0.07	0.24
(1,471)	1:78:A:VAL:HG21	1:11:A:ILE:HB	14	0.23	0.07	0.24
(1,472)	1:78:B:VAL:HG23	1:11:B:ILE:HB	14	0.23	0.07	0.24
(1,472)	1:78:B:VAL:HG22	1:11:B:ILE:HB	14	0.23	0.07	0.24
(1,472)	1:78:B:VAL:HG21	1:11:B:ILE:HB	14	0.23	0.07	0.24
(1,3679)	1:54:A:ILE:H	1:54:A:ILE:HD13	14	0.2	0.04	0.18
(1,3679)	1:54:A:ILE:H	1:54:A:ILE:HD11	14	0.2	0.04	0.18
(1,3679)	1:54:A:ILE:H	1:54:A:ILE:HD12	14	0.2	0.04	0.18
(1,3680)	1:54:B:ILE:H	1:54:B:ILE:HD13	14	0.2	0.04	0.18
(1,3680)	1:54:B:ILE:H	1:54:B:ILE:HD11	14	0.2	0.04	0.18
(1,3680)	1:54:B:ILE:H	1:54:B:ILE:HD12	14	0.2	0.04	0.18
(1,3476)	1:57:B:ILE:H	1:56:B:GLU:HG2	14	0.18	0.05	0.16
(1,3476)	1:57:B:ILE:H	1:56:B:GLU:HG3	14	0.18	0.05	0.16
(1,3475)	1:57:A:ILE:H	1:56:A:GLU:HG2	14	0.18	0.05	0.16
(1,3475)	1:57:A:ILE:H	1:56:A:GLU:HG3	14	0.18	0.05	0.16
(1,3168)	1:75:B:ILE:HG22	1:76:B:SER:HA	14	0.15	0.05	0.13
(1,3168)	1:75:B:ILE:HG21	1:76:B:SER:HA	14	0.15	0.05	0.13
(1,3168)	1:75:B:ILE:HG23	1:76:B:SER:HA	14	0.15	0.05	0.13
(1,3167)	1:75:A:ILE:HG22	1:76:A:SER:HA	14	0.15	0.05	0.14
(1,3167)	1:75:A:ILE:HG21	1:76:A:SER:HA	14	0.15	0.05	0.14
(1,3167)	1:75:A:ILE:HG23	1:76:A:SER:HA	14	0.15	0.05	0.14
(3,134)	1:82:B:LEU:N	1:78:B:VAL:O	14	0.13	0.02	0.13
(2,132)	1:12:B:VAL:H	1:86:A:HIS:HB3	13	1.12	0.53	1.39
(2,131)	1:12:A:VAL:H	1:86:B:HIS:HB3	13	1.12	0.53	1.39
(1,352)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	13	0.78	0.53	1.07
(1,352)	1:30:B:LYS:HE3	1:51:B:LYS:HE2	13	0.78	0.53	1.07
(1,351)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	13	0.78	0.53	1.07
(1,351)	1:30:A:LYS:HE3	1:51:A:LYS:HE2	13	0.78	0.53	1.07
(1,3291)	1:84:A:ALA:H	1:92:A:GLU:H	13	0.65	0.2	0.73
(1,3291)	1:92:A:GLU:H	1:89:A:THR:H	13	0.65	0.2	0.73

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3292)	1:84:B:ALA:H	1:92:B:GLU:H	13	0.65	0.2	0.73
(1,3292)	1:92:B:GLU:H	1:89:B:THR:H	13	0.65	0.2	0.73
(1,3088)	1:30:B:LYS:HD3	1:67:B:GLU:HG2	13	0.65	0.31	0.71
(1,3088)	1:30:B:LYS:HD3	1:67:B:GLU:HG3	13	0.65	0.31	0.71
(1,2368)	1:62:B:ASP:HB2	1:67:B:GLU:HB2	13	0.39	0.23	0.38
(1,2368)	1:62:B:ASP:HB2	1:67:B:GLU:HB3	13	0.39	0.23	0.38
(1,2368)	1:62:B:ASP:HB2	1:68:B:GLN:HG2	13	0.39	0.23	0.38
(1,2367)	1:62:A:ASP:HB2	1:67:A:GLU:HB2	13	0.39	0.23	0.37
(1,2367)	1:62:A:ASP:HB2	1:67:A:GLU:HB3	13	0.39	0.23	0.37
(1,2367)	1:62:A:ASP:HB2	1:68:A:GLN:HG2	13	0.39	0.23	0.37
(1,3139)	1:12:A:VAL:HG23	1:9:A:GLU:HG3	13	0.39	0.23	0.33
(1,3139)	1:12:A:VAL:HG22	1:9:A:GLU:HG3	13	0.39	0.23	0.33
(1,3139)	1:53:A:VAL:HG21	1:56:A:GLU:HG3	13	0.39	0.23	0.33
(1,3139)	1:12:A:VAL:HG22	1:9:A:GLU:HG2	13	0.39	0.23	0.33
(1,3139)	1:53:A:VAL:HG23	1:56:A:GLU:HG3	13	0.39	0.23	0.33
(1,3139)	1:12:A:VAL:HG21	1:9:A:GLU:HG2	13	0.39	0.23	0.33
(1,3139)	1:53:A:VAL:HG22	1:56:A:GLU:HG3	13	0.39	0.23	0.33
(1,3140)	1:12:B:VAL:HG23	1:9:B:GLU:HG3	13	0.38	0.23	0.32
(1,3140)	1:12:B:VAL:HG22	1:9:B:GLU:HG3	13	0.38	0.23	0.32
(1,3140)	1:53:B:VAL:HG21	1:56:B:GLU:HG3	13	0.38	0.23	0.32
(1,3140)	1:12:B:VAL:HG22	1:9:B:GLU:HG2	13	0.38	0.23	0.32
(1,3140)	1:53:B:VAL:HG23	1:56:B:GLU:HG3	13	0.38	0.23	0.32
(1,3140)	1:12:B:VAL:HG21	1:9:B:GLU:HG2	13	0.38	0.23	0.32
(1,3140)	1:53:B:VAL:HG22	1:56:B:GLU:HG3	13	0.38	0.23	0.32
(1,2057)	1:73:A:GLU:HB2	1:74:A:PHE:HA	13	0.33	0.15	0.29
(1,2057)	1:73:A:GLU:HB3	1:74:A:PHE:HA	13	0.33	0.15	0.29
(1,2058)	1:73:B:GLU:HB2	1:74:B:PHE:HA	13	0.33	0.15	0.28
(1,2058)	1:73:B:GLU:HB3	1:74:B:PHE:HA	13	0.33	0.15	0.28
(1,3700)	1:84:B:ALA:H	1:44:B:THR:HG23	13	0.32	0.15	0.34
(1,3700)	1:84:B:ALA:H	1:44:B:THR:HG21	13	0.32	0.15	0.34
(1,3700)	1:84:B:ALA:H	1:44:B:THR:HG22	13	0.32	0.15	0.34
(1,3699)	1:84:A:ALA:H	1:44:A:THR:HG23	13	0.32	0.15	0.34
(1,3699)	1:84:A:ALA:H	1:44:A:THR:HG21	13	0.32	0.15	0.34
(1,3699)	1:84:A:ALA:H	1:44:A:THR:HG22	13	0.32	0.15	0.34
(1,2723)	1:84:A:ALA:HB1	1:91:A:LYS:HB2	13	0.31	0.11	0.31
(1,2723)	1:84:A:ALA:HB2	1:91:A:LYS:HD3	13	0.31	0.11	0.31
(1,2723)	1:84:A:ALA:HB1	1:91:A:LYS:HD3	13	0.31	0.11	0.31
(1,2723)	1:84:A:ALA:HB2	1:91:A:LYS:HB2	13	0.31	0.11	0.31
(1,2723)	1:84:A:ALA:HB3	1:91:A:LYS:HB2	13	0.31	0.11	0.31
(1,2723)	1:84:A:ALA:HB3	1:91:A:LYS:HD3	13	0.31	0.11	0.31
(1,2724)	1:84:B:ALA:HB1	1:91:B:LYS:HB2	13	0.31	0.11	0.31
(1,2724)	1:84:B:ALA:HB2	1:91:B:LYS:HD3	13	0.31	0.11	0.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2724)	1:84:B:ALA:HB1	1:91:B:LYS:HD3	13	0.31	0.11	0.31
(1,2724)	1:84:B:ALA:HB2	1:91:B:LYS:HB2	13	0.31	0.11	0.31
(1,2724)	1:84:B:ALA:HB3	1:91:B:LYS:HB2	13	0.31	0.11	0.31
(1,2724)	1:84:B:ALA:HB3	1:91:B:LYS:HD3	13	0.31	0.11	0.31
(1,789)	1:30:A:LYS:HD3	1:54:A:ILE:HG23	13	0.23	0.26	0.12
(1,789)	1:30:A:LYS:HD3	1:54:A:ILE:HG22	13	0.23	0.26	0.12
(1,789)	1:30:A:LYS:HD3	1:54:A:ILE:HG21	13	0.23	0.26	0.12
(1,790)	1:30:B:LYS:HD3	1:54:B:ILE:HG23	13	0.23	0.26	0.12
(1,790)	1:30:B:LYS:HD3	1:54:B:ILE:HG22	13	0.23	0.26	0.12
(1,790)	1:30:B:LYS:HD3	1:54:B:ILE:HG21	13	0.23	0.26	0.12
(3,62)	1:82:A:LEU:N	1:78:A:VAL:O	13	0.13	0.01	0.13
(1,2405)	1:8:A:LEU:HD12	1:9:A:GLU:HG3	12	1.56	0.15	1.52
(1,2405)	1:8:A:LEU:HD11	1:9:A:GLU:HG3	12	1.56	0.15	1.52
(1,2405)	1:8:A:LEU:HD13	1:12:A:VAL:HB	12	1.56	0.15	1.52
(1,2405)	1:8:A:LEU:HD13	1:9:A:GLU:HG3	12	1.56	0.15	1.52
(1,2405)	1:61:A:LEU:HD21	1:72:A:GLN:HG2	12	1.56	0.15	1.52
(1,2405)	1:61:A:LEU:HD22	1:72:A:GLN:HG2	12	1.56	0.15	1.52
(1,2405)	1:8:A:LEU:HD13	1:9:A:GLU:HG2	12	1.56	0.15	1.52
(1,2405)	1:8:A:LEU:HD12	1:12:A:VAL:HB	12	1.56	0.15	1.52
(1,2406)	1:8:B:LEU:HD12	1:9:B:GLU:HG3	12	1.55	0.15	1.52
(1,2406)	1:8:B:LEU:HD11	1:9:B:GLU:HG3	12	1.55	0.15	1.52
(1,2406)	1:8:B:LEU:HD13	1:12:B:VAL:HB	12	1.55	0.15	1.52
(1,2406)	1:8:B:LEU:HD13	1:9:B:GLU:HG3	12	1.55	0.15	1.52
(1,2406)	1:61:B:LEU:HD21	1:72:B:GLN:HG2	12	1.55	0.15	1.52
(1,2406)	1:61:B:LEU:HD22	1:72:B:GLN:HG2	12	1.55	0.15	1.52
(1,2406)	1:8:B:LEU:HD13	1:9:B:GLU:HG2	12	1.55	0.15	1.52
(1,2406)	1:8:B:LEU:HD12	1:12:B:VAL:HB	12	1.55	0.15	1.52
(1,2385)	1:8:A:LEU:HB3	1:12:A:VAL:HB	12	1.26	0.07	1.27
(1,2385)	1:8:A:LEU:HB2	1:9:A:GLU:HG3	12	1.26	0.07	1.27
(1,2385)	1:8:A:LEU:HB2	1:9:A:GLU:HG2	12	1.26	0.07	1.27
(1,2386)	1:8:B:LEU:HB3	1:12:B:VAL:HB	12	1.26	0.07	1.26
(1,2386)	1:8:B:LEU:HB2	1:9:B:GLU:HG3	12	1.26	0.07	1.26
(1,2386)	1:8:B:LEU:HB2	1:9:B:GLU:HG2	12	1.26	0.07	1.26
(1,2192)	1:46:B:LYS:HE2	1:90:B:HIS:HB2	12	0.75	0.3	0.7
(1,2192)	1:46:B:LYS:HE3	1:90:B:HIS:HB2	12	0.75	0.3	0.7
(1,2192)	1:90:B:HIS:HB2	1:87:B:TYR:HB3	12	0.75	0.3	0.7
(1,2191)	1:46:A:LYS:HE2	1:90:A:HIS:HB2	12	0.75	0.3	0.7
(1,2191)	1:46:A:LYS:HE3	1:90:A:HIS:HB2	12	0.75	0.3	0.7
(1,2191)	1:90:A:HIS:HB2	1:87:A:TYR:HB3	12	0.75	0.3	0.7
(1,3087)	1:30:A:LYS:HD3	1:67:A:GLU:HG2	12	0.69	0.28	0.71
(1,3087)	1:30:A:LYS:HD3	1:67:A:GLU:HG3	12	0.69	0.28	0.71
(1,2564)	1:87:B:TYR:HB3	1:83:B:LYS:HB2	12	0.46	0.2	0.5

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2564)	1:13:B:ASN:HB2	1:9:B:GLU:HB3	12	0.46	0.2	0.5
(1,2563)	1:87:A:TYR:HB3	1:83:A:LYS:HB2	12	0.46	0.2	0.5
(1,2563)	1:13:A:ASN:HB2	1:9:A:GLU:HB3	12	0.46	0.2	0.5
(1,424)	1:39:B:LYS:HD2	1:35:B:GLN:HB3	12	0.44	0.13	0.43
(1,424)	1:39:B:LYS:HD3	1:35:B:GLN:HB3	12	0.44	0.13	0.43
(1,2426)	1:67:B:GLU:HG2	1:30:B:LYS:HE2	12	0.44	0.12	0.44
(1,2426)	1:67:B:GLU:HG3	1:30:B:LYS:HE3	12	0.44	0.12	0.44
(1,2426)	1:67:B:GLU:HG3	1:30:B:LYS:HE2	12	0.44	0.12	0.44
(1,2426)	1:67:B:GLU:HG2	1:30:B:LYS:HE3	12	0.44	0.12	0.44
(1,423)	1:39:A:LYS:HD2	1:35:A:GLN:HB3	12	0.44	0.13	0.44
(1,423)	1:39:A:LYS:HD3	1:35:A:GLN:HB3	12	0.44	0.13	0.44
(1,2425)	1:67:A:GLU:HG2	1:30:A:LYS:HE2	12	0.44	0.12	0.44
(1,2425)	1:67:A:GLU:HG3	1:30:A:LYS:HE3	12	0.44	0.12	0.44
(1,2425)	1:67:A:GLU:HG3	1:30:A:LYS:HE2	12	0.44	0.12	0.44
(1,2425)	1:67:A:GLU:HG2	1:30:A:LYS:HE3	12	0.44	0.12	0.44
(1,3590)	1:90:B:HIS:H	1:46:B:LYS:HB2	12	0.37	0.19	0.36
(1,3590)	1:90:B:HIS:H	1:91:B:LYS:HD3	12	0.37	0.19	0.36
(1,3589)	1:90:A:HIS:H	1:46:A:LYS:HB2	12	0.37	0.19	0.36
(1,3589)	1:90:A:HIS:H	1:91:A:LYS:HD3	12	0.37	0.19	0.36
(1,3696)	1:8:B:LEU:H	1:44:A:THR:HG22	12	0.35	0.13	0.36
(1,3696)	1:8:B:LEU:H	1:44:A:THR:HG21	12	0.35	0.13	0.36
(1,3696)	1:8:B:LEU:H	1:44:A:THR:HG23	12	0.35	0.13	0.36
(1,3696)	1:86:B:HIS:H	1:44:B:THR:HG22	12	0.35	0.13	0.36
(1,3051)	1:40:A:GLU:HG3	1:37:A:LEU:HD22	12	0.35	0.1	0.33
(1,3051)	1:40:A:GLU:HG2	1:37:A:LEU:HD21	12	0.35	0.1	0.33
(1,3051)	1:40:A:GLU:HG2	1:37:A:LEU:HD22	12	0.35	0.1	0.33
(1,3051)	1:40:A:GLU:HG2	1:37:A:LEU:HD23	12	0.35	0.1	0.33
(1,3051)	1:40:A:GLU:HG3	1:37:A:LEU:HD21	12	0.35	0.1	0.33
(1,1737)	1:75:A:ILE:HG21	1:82:B:LEU:HD12	12	0.35	0.13	0.34
(1,1737)	1:75:A:ILE:HG22	1:82:B:LEU:HD12	12	0.35	0.13	0.34
(1,1737)	1:75:A:ILE:HG23	1:82:B:LEU:HD11	12	0.35	0.13	0.34
(1,1737)	1:75:A:ILE:HG21	1:82:B:LEU:HD11	12	0.35	0.13	0.34
(1,1737)	1:75:A:ILE:HG23	1:82:B:LEU:HD13	12	0.35	0.13	0.34
(1,1737)	1:75:A:ILE:HG21	1:82:B:LEU:HD13	12	0.35	0.13	0.34
(1,1737)	1:75:A:ILE:HG23	1:82:B:LEU:HD12	12	0.35	0.13	0.34
(1,1737)	1:75:A:ILE:HG22	1:82:B:LEU:HD11	12	0.35	0.13	0.34
(1,3052)	1:40:B:GLU:HG3	1:37:B:LEU:HD22	12	0.35	0.1	0.32
(1,3052)	1:40:B:GLU:HG2	1:37:B:LEU:HD21	12	0.35	0.1	0.32
(1,3052)	1:40:B:GLU:HG2	1:37:B:LEU:HD22	12	0.35	0.1	0.32
(1,3052)	1:40:B:GLU:HG2	1:37:B:LEU:HD23	12	0.35	0.1	0.32
(1,3052)	1:40:B:GLU:HG3	1:37:B:LEU:HD21	12	0.35	0.1	0.32
(1,3695)	1:8:A:LEU:H	1:44:B:THR:HG22	12	0.35	0.13	0.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3695)	1:8:A:LEU:H	1:44:B:THR:HG21	12	0.35	0.13	0.36
(1,3695)	1:8:A:LEU:H	1:44:B:THR:HG23	12	0.35	0.13	0.36
(1,3695)	1:86:A:HIS:H	1:44:A:THR:HG22	12	0.35	0.13	0.36
(1,1738)	1:75:B:ILE:HG21	1:82:A:LEU:HD12	12	0.34	0.12	0.34
(1,1738)	1:75:B:ILE:HG22	1:82:A:LEU:HD12	12	0.34	0.12	0.34
(1,1738)	1:75:B:ILE:HG23	1:82:A:LEU:HD11	12	0.34	0.12	0.34
(1,1738)	1:75:B:ILE:HG21	1:82:A:LEU:HD11	12	0.34	0.12	0.34
(1,1738)	1:75:B:ILE:HG23	1:82:A:LEU:HD13	12	0.34	0.12	0.34
(1,1738)	1:75:B:ILE:HG21	1:82:A:LEU:HD13	12	0.34	0.12	0.34
(1,1738)	1:75:B:ILE:HG23	1:82:A:LEU:HD12	12	0.34	0.12	0.34
(1,1738)	1:75:B:ILE:HG22	1:82:A:LEU:HD11	12	0.34	0.12	0.34
(1,2545)	1:36:A:LEU:HD22	1:33:A:LEU:HB2	12	0.22	0.07	0.21
(1,2545)	1:36:A:LEU:HD21	1:33:A:LEU:HB2	12	0.22	0.07	0.21
(1,2545)	1:36:A:LEU:HD23	1:33:A:LEU:HB2	12	0.22	0.07	0.21
(1,2546)	1:36:B:LEU:HD22	1:33:B:LEU:HB2	12	0.21	0.07	0.21
(1,2546)	1:36:B:LEU:HD21	1:33:B:LEU:HB2	12	0.21	0.07	0.21
(1,2546)	1:36:B:LEU:HD23	1:33:B:LEU:HB2	12	0.21	0.07	0.21
(1,2845)	1:74:A:PHE:HB2	1:77:A:LEU:HB3	12	0.21	0.08	0.2
(1,2845)	1:30:A:LYS:HB2	1:58:A:PHE:HB3	12	0.21	0.08	0.2
(1,2845)	1:74:A:PHE:HB3	1:77:A:LEU:HB3	12	0.21	0.08	0.2
(1,2846)	1:74:B:PHE:HB2	1:77:B:LEU:HB3	12	0.21	0.08	0.2
(1,2846)	1:30:B:LYS:HB2	1:58:B:PHE:HB3	12	0.21	0.08	0.2
(1,2846)	1:74:B:PHE:HB3	1:77:B:LEU:HB3	12	0.21	0.08	0.2
(1,1617)	1:63:A:ALA:H	1:61:A:LEU:HB3	12	0.2	0.08	0.17
(1,2219)	1:83:A:LYS:HD2	1:83:A:LYS:HE3	12	0.18	0.02	0.18
(1,2219)	1:49:A:LYS:HD3	1:49:A:LYS:HE2	12	0.18	0.02	0.18
(1,2219)	1:49:A:LYS:HD2	1:49:A:LYS:HE3	12	0.18	0.02	0.18
(1,2219)	1:49:A:LYS:HD2	1:49:A:LYS:HE2	12	0.18	0.02	0.18
(1,2220)	1:83:B:LYS:HD2	1:83:B:LYS:HE3	12	0.18	0.02	0.18
(1,2220)	1:49:B:LYS:HD3	1:49:B:LYS:HE2	12	0.18	0.02	0.18
(1,2220)	1:49:B:LYS:HD2	1:49:B:LYS:HE3	12	0.18	0.02	0.18
(1,2220)	1:49:B:LYS:HD2	1:49:B:LYS:HE2	12	0.18	0.02	0.18
(1,2220)	1:49:B:LYS:HD3	1:49:B:LYS:HE3	12	0.18	0.02	0.18
(1,1542)	1:44:B:THR:H	1:45:B:ILE:HB	12	0.14	0.03	0.13
(1,1541)	1:44:A:THR:H	1:45:A:ILE:HB	12	0.14	0.03	0.12
(1,2966)	1:91:B:LYS:HG2	1:89:B:THR:HG23	11	0.81	0.31	0.88
(1,2966)	1:82:B:LEU:HG	1:83:B:LYS:HG2	11	0.81	0.31	0.88
(1,2966)	1:91:B:LYS:HG3	1:89:B:THR:HG22	11	0.81	0.31	0.88
(1,2966)	1:82:B:LEU:HG	1:83:B:LYS:HG3	11	0.81	0.31	0.88
(1,2966)	1:91:B:LYS:HG3	1:89:B:THR:HG21	11	0.81	0.31	0.88
(1,2966)	1:91:B:LYS:HG3	1:44:B:THR:HG22	11	0.81	0.31	0.88
(1,2965)	1:91:A:LYS:HG2	1:89:A:THR:HG23	11	0.81	0.31	0.89

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2965)	1:82:A:LEU:HG	1:83:A:LYS:HG2	11	0.81	0.31	0.89
(1,2965)	1:91:A:LYS:HG3	1:89:A:THR:HG22	11	0.81	0.31	0.89
(1,2965)	1:82:A:LEU:HG	1:83:A:LYS:HG3	11	0.81	0.31	0.89
(1,2965)	1:91:A:LYS:HG3	1:89:A:THR:HG21	11	0.81	0.31	0.89
(1,2965)	1:91:A:LYS:HG3	1:44:A:THR:HG22	11	0.81	0.31	0.89
(1,2087)	1:74:A:PHE:HA	1:76:A:SER:HB3	11	0.61	0.12	0.64
(1,2087)	1:79:A:ALA:HA	1:76:A:SER:HB3	11	0.61	0.12	0.64
(1,2088)	1:74:B:PHE:HA	1:76:B:SER:HB3	11	0.61	0.13	0.64
(1,2088)	1:79:B:ALA:HA	1:76:B:SER:HB3	11	0.61	0.13	0.64
(1,2108)	1:61:B:LEU:HD23	1:60:B:GLY:HA3	11	0.61	0.15	0.62
(1,2108)	1:61:B:LEU:HD22	1:60:B:GLY:HA3	11	0.61	0.15	0.62
(1,2108)	1:61:B:LEU:HD23	1:76:B:SER:HB3	11	0.61	0.15	0.62
(1,2108)	1:61:B:LEU:HD21	1:60:B:GLY:HA3	11	0.61	0.15	0.62
(1,2107)	1:61:A:LEU:HD23	1:60:A:GLY:HA3	11	0.6	0.15	0.62
(1,2107)	1:61:A:LEU:HD22	1:60:A:GLY:HA3	11	0.6	0.15	0.62
(1,2107)	1:61:A:LEU:HD23	1:76:A:SER:HB3	11	0.6	0.15	0.62
(1,2107)	1:61:A:LEU:HD21	1:60:A:GLY:HA3	11	0.6	0.15	0.62
(1,1936)	1:91:B:LYS:HD2	1:84:B:ALA:HA	11	0.59	0.31	0.56
(1,1936)	1:83:B:LYS:HD2	1:91:B:LYS:HA	11	0.59	0.31	0.56
(1,1936)	1:83:B:LYS:HD3	1:91:B:LYS:HA	11	0.59	0.31	0.56
(1,1936)	1:91:B:LYS:HD2	1:91:B:LYS:HA	11	0.59	0.31	0.56
(1,1936)	1:83:B:LYS:HD2	1:87:B:TYR:HA	11	0.59	0.31	0.56
(1,1935)	1:91:A:LYS:HD2	1:84:A:ALA:HA	11	0.59	0.31	0.56
(1,1935)	1:83:A:LYS:HD2	1:91:A:LYS:HA	11	0.59	0.31	0.56
(1,1935)	1:83:A:LYS:HD3	1:91:A:LYS:HA	11	0.59	0.31	0.56
(1,1935)	1:91:A:LYS:HD2	1:91:A:LYS:HA	11	0.59	0.31	0.56
(1,1935)	1:83:A:LYS:HD2	1:87:A:TYR:HA	11	0.59	0.31	0.56
(1,389)	1:59:A:GLN:HG3	1:55:A:ASP:HB3	11	0.55	0.09	0.56
(1,390)	1:59:B:GLN:HG3	1:55:B:ASP:HB3	11	0.54	0.09	0.55
(1,3501)	1:67:A:GLU:H	1:66:A:ASP:HB3	11	0.49	0.23	0.56
(1,3502)	1:67:B:GLU:H	1:66:B:ASP:HB3	11	0.49	0.23	0.56
(1,3628)	1:51:B:LYS:H	1:51:B:LYS:HG3	11	0.48	0.05	0.48
(1,3627)	1:51:A:LYS:H	1:51:A:LYS:HG3	11	0.48	0.04	0.48
(1,2234)	1:89:B:THR:HG21	1:83:B:LYS:HE3	11	0.46	0.23	0.35
(1,2234)	1:89:B:THR:HG23	1:83:B:LYS:HE2	11	0.46	0.23	0.35
(1,2234)	1:89:B:THR:HG21	1:83:B:LYS:HE2	11	0.46	0.23	0.35
(1,2234)	1:89:B:THR:HG22	1:83:B:LYS:HE2	11	0.46	0.23	0.35
(1,2234)	1:89:B:THR:HG21	1:91:B:LYS:HE2	11	0.46	0.23	0.35
(1,2233)	1:89:A:THR:HG21	1:83:A:LYS:HE3	11	0.46	0.23	0.35
(1,2233)	1:89:A:THR:HG23	1:83:A:LYS:HE2	11	0.46	0.23	0.35
(1,2233)	1:89:A:THR:HG21	1:83:A:LYS:HE2	11	0.46	0.23	0.35
(1,2233)	1:89:A:THR:HG22	1:83:A:LYS:HE2	11	0.46	0.23	0.35

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2233)	1:89:A:THR:HG21	1:91:A:LYS:HE2	11	0.46	0.23	0.35
(1,1881)	1:46:A:LYS:HE2	1:90:A:HIS:HA	11	0.45	0.23	0.47
(1,1881)	1:49:A:LYS:HE2	1:50:A:ASP:HA	11	0.45	0.23	0.47
(1,3071)	1:12:A:VAL:HG23	1:9:A:GLU:HA	11	0.38	0.12	0.38
(1,3071)	1:12:A:VAL:HG22	1:9:A:GLU:HA	11	0.38	0.12	0.38
(1,3071)	1:12:A:VAL:HG21	1:9:A:GLU:HA	11	0.38	0.12	0.38
(1,3072)	1:12:B:VAL:HG23	1:9:B:GLU:HA	11	0.37	0.12	0.38
(1,3072)	1:12:B:VAL:HG22	1:9:B:GLU:HA	11	0.37	0.12	0.38
(1,3072)	1:12:B:VAL:HG21	1:9:B:GLU:HA	11	0.37	0.12	0.38
(1,2496)	1:32:B:GLU:HG2	1:35:B:GLN:HB2	11	0.35	0.15	0.37
(1,2496)	1:32:B:GLU:HG3	1:35:B:GLN:HB2	11	0.35	0.15	0.37
(1,2495)	1:32:A:GLU:HG2	1:35:A:GLN:HB2	11	0.34	0.15	0.37
(1,2495)	1:32:A:GLU:HG3	1:35:A:GLN:HB2	11	0.34	0.15	0.37
(1,3716)	1:15:B:PHE:H	1:36:B:LEU:HG	11	0.33	0.11	0.31
(1,3715)	1:15:A:PHE:H	1:36:A:LEU:HG	11	0.33	0.11	0.31
(1,2315)	1:32:A:GLU:HG2	1:35:A:GLN:HB2	11	0.3	0.12	0.28
(1,2315)	1:9:A:GLU:HG3	1:86:B:HIS:HB3	11	0.3	0.12	0.28
(1,2315)	1:32:A:GLU:HG3	1:35:A:GLN:HB2	11	0.3	0.12	0.28
(1,2316)	1:32:B:GLU:HG2	1:35:B:GLN:HB2	11	0.3	0.12	0.28
(1,2316)	1:9:B:GLU:HG3	1:86:A:HIS:HB3	11	0.3	0.12	0.28
(1,2316)	1:32:B:GLU:HG3	1:35:B:GLN:HB2	11	0.3	0.12	0.28
(1,1980)	1:75:B:ILE:HB	1:73:B:GLU:HA	11	0.23	0.08	0.23
(1,1979)	1:75:A:ILE:HB	1:73:A:GLU:HA	11	0.23	0.09	0.23
(1,1618)	1:63:B:ALA:H	1:61:B:LEU:HB3	11	0.21	0.08	0.18
(1,202)	1:36:B:LEU:HD22	1:33:B:LEU:HA	11	0.19	0.05	0.2
(1,202)	1:36:B:LEU:HD21	1:33:B:LEU:HA	11	0.19	0.05	0.2
(1,202)	1:36:B:LEU:HD23	1:33:B:LEU:HA	11	0.19	0.05	0.2
(1,201)	1:36:A:LEU:HD22	1:33:A:LEU:HA	11	0.18	0.05	0.2
(1,201)	1:36:A:LEU:HD21	1:33:A:LEU:HA	11	0.18	0.05	0.2
(1,201)	1:36:A:LEU:HD23	1:33:A:LEU:HA	11	0.18	0.05	0.2
(1,592)	1:42:B:ALA:HB3	1:49:B:LYS:HD3	11	0.18	0.04	0.18
(1,592)	1:42:B:ALA:HB2	1:49:B:LYS:HD3	11	0.18	0.04	0.18
(1,592)	1:42:B:ALA:HB1	1:49:B:LYS:HD3	11	0.18	0.04	0.18
(1,591)	1:42:A:ALA:HB3	1:49:A:LYS:HD3	11	0.18	0.04	0.18
(1,591)	1:42:A:ALA:HB2	1:49:A:LYS:HD3	11	0.18	0.04	0.18
(1,591)	1:42:A:ALA:HB1	1:49:A:LYS:HD3	11	0.18	0.04	0.18
(1,2718)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	11	0.16	0.03	0.17
(1,2717)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	11	0.16	0.03	0.16
(1,778)	1:61:B:LEU:HD21	1:76:B:SER:HB3	10	1.2	0.14	1.24
(1,778)	1:61:B:LEU:HD23	1:76:B:SER:HB3	10	1.2	0.14	1.24
(1,778)	1:61:B:LEU:HD22	1:76:B:SER:HB3	10	1.2	0.14	1.24
(1,777)	1:61:A:LEU:HD21	1:76:A:SER:HB3	10	1.2	0.14	1.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,777)	1:61:A:LEU:HD23	1:76:A:SER:HB3	10	1.2	0.14	1.24
(1,777)	1:61:A:LEU:HD22	1:76:A:SER:HB3	10	1.2	0.14	1.24
(1,3646)	1:55:B:ASP:H	1:52:B:ALA:HB1	10	0.95	0.27	1.02
(1,3646)	1:55:B:ASP:H	1:52:B:ALA:HB2	10	0.95	0.27	1.02
(1,3646)	1:55:B:ASP:H	1:52:B:ALA:HB3	10	0.95	0.27	1.02
(1,3646)	1:55:B:ASP:H	1:51:B:LYS:HG2	10	0.95	0.27	1.02
(1,3646)	1:55:B:ASP:H	1:51:B:LYS:HG3	10	0.95	0.27	1.02
(1,3645)	1:55:A:ASP:H	1:52:A:ALA:HB1	10	0.95	0.27	1.02
(1,3645)	1:55:A:ASP:H	1:52:A:ALA:HB2	10	0.95	0.27	1.02
(1,3645)	1:55:A:ASP:H	1:52:A:ALA:HB3	10	0.95	0.27	1.02
(1,3645)	1:55:A:ASP:H	1:51:A:LYS:HG2	10	0.95	0.27	1.02
(1,3645)	1:55:A:ASP:H	1:51:A:LYS:HG3	10	0.95	0.27	1.02
(1,1882)	1:46:B:LYS:HE2	1:90:B:HIS:HA	10	0.49	0.21	0.52
(1,1882)	1:49:B:LYS:HE2	1:50:B:ASP:HA	10	0.49	0.21	0.52
(1,1894)	1:91:B:LYS:HG2	1:90:B:HIS:HA	10	0.43	0.15	0.36
(1,1894)	1:91:B:LYS:HG3	1:88:B:HIS:HA	10	0.43	0.15	0.36
(1,1893)	1:91:A:LYS:HG2	1:90:A:HIS:HA	10	0.43	0.15	0.36
(1,1893)	1:91:A:LYS:HG3	1:88:A:HIS:HA	10	0.43	0.15	0.36
(1,2595)	1:85:A:ALA:HB1	1:9:B:GLU:HB3	10	0.42	0.3	0.35
(1,2595)	1:85:A:ALA:HB3	1:9:B:GLU:HB2	10	0.42	0.3	0.35
(1,2595)	1:85:A:ALA:HB3	1:9:B:GLU:HB3	10	0.42	0.3	0.35
(1,2595)	1:85:A:ALA:HB2	1:9:B:GLU:HB2	10	0.42	0.3	0.35
(1,2595)	1:85:A:ALA:HB2	1:9:B:GLU:HB3	10	0.42	0.3	0.35
(1,2596)	1:85:B:ALA:HB1	1:9:A:GLU:HB3	10	0.42	0.3	0.36
(1,2596)	1:85:B:ALA:HB3	1:9:A:GLU:HB2	10	0.42	0.3	0.36
(1,2596)	1:85:B:ALA:HB3	1:9:A:GLU:HB3	10	0.42	0.3	0.36
(1,2596)	1:85:B:ALA:HB2	1:9:A:GLU:HB2	10	0.42	0.3	0.36
(1,2596)	1:85:B:ALA:HB2	1:9:A:GLU:HB3	10	0.42	0.3	0.36
(1,2800)	1:67:B:GLU:HG3	1:62:B:ASP:HB3	10	0.42	0.2	0.37
(1,2799)	1:67:A:GLU:HG3	1:62:A:ASP:HB3	10	0.42	0.21	0.36
(1,3179)	1:30:A:LYS:HG2	1:55:A:ASP:HB2	10	0.41	0.25	0.3
(1,3180)	1:30:B:LYS:HG2	1:55:B:ASP:HB2	10	0.41	0.25	0.3
(2,57)	1:32:A:GLU:HB2	1:35:A:GLN:HB2	10	0.38	0.16	0.4
(2,58)	1:32:B:GLU:HB2	1:35:B:GLN:HB2	10	0.38	0.16	0.4
(1,2379)	1:39:A:LYS:HE2	1:35:A:GLN:HG2	10	0.36	0.17	0.3
(1,2379)	1:53:A:VAL:HB	1:46:A:LYS:HE2	10	0.36	0.17	0.3
(1,2379)	1:39:A:LYS:HE3	1:35:A:GLN:HB3	10	0.36	0.17	0.3
(1,2379)	1:39:A:LYS:HE3	1:35:A:GLN:HG2	10	0.36	0.17	0.3
(1,2379)	1:53:A:VAL:HB	1:46:A:LYS:HE3	10	0.36	0.17	0.3
(1,2380)	1:39:B:LYS:HE2	1:35:B:GLN:HG2	10	0.36	0.17	0.29
(1,2380)	1:53:B:VAL:HB	1:46:B:LYS:HE2	10	0.36	0.17	0.29
(1,2380)	1:39:B:LYS:HE3	1:35:B:GLN:HB3	10	0.36	0.17	0.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2380)	1:39:B:LYS:HE3	1:35:B:GLN:HG2	10	0.36	0.17	0.29
(1,2380)	1:53:B:VAL:HB	1:46:B:LYS:HE3	10	0.36	0.17	0.29
(1,3078)	1:80:B:ILE:HD13	1:60:B:GLY:HA3	10	0.32	0.17	0.26
(1,3078)	1:80:B:ILE:HD12	1:60:B:GLY:HA3	10	0.32	0.17	0.26
(1,3078)	1:57:B:ILE:HG23	1:60:B:GLY:HA3	10	0.32	0.17	0.26
(1,3077)	1:80:A:ILE:HD13	1:60:A:GLY:HA3	10	0.32	0.17	0.26
(1,3077)	1:80:A:ILE:HD12	1:60:A:GLY:HA3	10	0.32	0.17	0.26
(1,3077)	1:57:A:ILE:HG23	1:60:A:GLY:HA3	10	0.32	0.17	0.26
(1,3494)	1:64:B:ASN:H	1:65:B:GLN:HB3	10	0.29	0.08	0.32
(1,3494)	1:64:B:ASN:H	1:66:B:ASP:HB3	10	0.29	0.08	0.32
(1,699)	1:37:A:LEU:HD23	1:48:A:ILE:HG13	10	0.29	0.16	0.22
(1,699)	1:37:A:LEU:HD21	1:48:A:ILE:HG13	10	0.29	0.16	0.22
(1,699)	1:37:A:LEU:HD22	1:48:A:ILE:HG13	10	0.29	0.16	0.22
(1,3493)	1:64:A:ASN:H	1:65:A:GLN:HB3	10	0.29	0.08	0.32
(1,3493)	1:64:A:ASN:H	1:66:A:ASP:HB3	10	0.29	0.08	0.32
(1,700)	1:37:B:LEU:HD23	1:48:B:ILE:HG13	10	0.29	0.16	0.22
(1,700)	1:37:B:LEU:HD21	1:48:B:ILE:HG13	10	0.29	0.16	0.22
(1,700)	1:37:B:LEU:HD22	1:48:B:ILE:HG13	10	0.29	0.16	0.22
(1,399)	1:12:A:VAL:HG21	1:86:B:HIS:HB3	10	0.27	0.11	0.26
(1,399)	1:12:A:VAL:HG23	1:86:B:HIS:HB3	10	0.27	0.11	0.26
(1,399)	1:12:A:VAL:HG22	1:86:B:HIS:HB3	10	0.27	0.11	0.26
(1,400)	1:12:B:VAL:HG21	1:86:A:HIS:HB3	10	0.27	0.11	0.26
(1,400)	1:12:B:VAL:HG23	1:86:A:HIS:HB3	10	0.27	0.11	0.26
(1,400)	1:12:B:VAL:HG22	1:86:A:HIS:HB3	10	0.27	0.11	0.26
(1,2393)	1:56:A:GLU:HG2	1:59:A:GLN:HG2	10	0.26	0.22	0.18
(1,2393)	1:67:A:GLU:HG3	1:59:A:GLN:HG2	10	0.26	0.22	0.18
(1,2393)	1:56:A:GLU:HG2	1:59:A:GLN:HG3	10	0.26	0.22	0.18
(1,1821)	1:41:A:LEU:H	1:48:A:ILE:HG12	10	0.24	0.12	0.19
(1,1822)	1:41:B:LEU:H	1:48:B:ILE:HG12	10	0.24	0.12	0.19
(1,2779)	1:42:A:ALA:HB2	1:38:A:THR:HA	10	0.24	0.11	0.22
(1,2779)	1:42:A:ALA:HB3	1:38:A:THR:HA	10	0.24	0.11	0.22
(1,2779)	1:42:A:ALA:HB1	1:38:A:THR:HA	10	0.24	0.11	0.22
(1,2779)	1:84:A:ALA:HB3	1:44:A:THR:HA	10	0.24	0.11	0.22
(1,2780)	1:42:B:ALA:HB2	1:38:B:THR:HA	10	0.24	0.12	0.22
(1,2780)	1:42:B:ALA:HB3	1:38:B:THR:HA	10	0.24	0.12	0.22
(1,2780)	1:84:B:ALA:HB1	1:44:B:THR:HA	10	0.24	0.12	0.22
(1,2780)	1:84:B:ALA:HB3	1:44:B:THR:HA	10	0.24	0.12	0.22
(1,2780)	1:42:B:ALA:HB1	1:38:B:THR:HA	10	0.24	0.12	0.22
(1,3385)	1:76:A:SER:H	1:76:A:SER:HB3	10	0.24	0.01	0.24
(1,3386)	1:76:B:SER:H	1:76:B:SER:HB3	10	0.23	0.01	0.24
(1,2388)	1:12:B:VAL:HB	1:13:B:ASN:HB2	10	0.22	0.08	0.2
(1,2387)	1:12:A:VAL:HB	1:13:A:ASN:HB2	10	0.22	0.08	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2833)	1:79:A:ALA:HB3	1:76:A:SER:HB3	10	0.19	0.06	0.2
(1,2833)	1:79:A:ALA:HB1	1:76:A:SER:HB3	10	0.19	0.06	0.2
(1,2833)	1:79:A:ALA:HB2	1:76:A:SER:HB3	10	0.19	0.06	0.2
(1,2834)	1:79:B:ALA:HB3	1:76:B:SER:HB3	10	0.19	0.06	0.2
(1,2834)	1:79:B:ALA:HB1	1:76:B:SER:HB3	10	0.19	0.06	0.2
(1,2834)	1:79:B:ALA:HB2	1:76:B:SER:HB3	10	0.19	0.06	0.2
(1,3748)	1:30:B:LYS:H	1:30:B:LYS:HD2	10	0.19	0.05	0.18
(1,3748)	1:30:B:LYS:H	1:30:B:LYS:HD3	10	0.19	0.05	0.18
(1,3747)	1:30:A:LYS:H	1:30:A:LYS:HD2	10	0.19	0.05	0.18
(1,3747)	1:30:A:LYS:H	1:30:A:LYS:HD3	10	0.19	0.05	0.18
(1,2168)	1:86:B:HIS:HA	1:88:B:HIS:HB3	10	0.16	0.03	0.16
(1,2168)	1:86:B:HIS:HA	1:88:B:HIS:HB2	10	0.16	0.03	0.16
(1,2167)	1:86:A:HIS:HA	1:88:A:HIS:HB3	10	0.16	0.03	0.16
(1,2167)	1:86:A:HIS:HA	1:88:A:HIS:HB2	10	0.16	0.03	0.16
(1,1085)	1:46:A:LYS:H	1:90:A:HIS:HA	9	1.35	0.87	1.78
(1,1086)	1:46:B:LYS:H	1:90:B:HIS:HA	9	1.35	0.88	1.78
(1,2842)	1:55:B:ASP:HB2	1:51:B:LYS:HG3	9	1.26	0.34	1.17
(1,2842)	1:52:B:ALA:HB2	1:55:B:ASP:HB2	9	1.26	0.34	1.17
(1,2842)	1:52:B:ALA:HB3	1:55:B:ASP:HB2	9	1.26	0.34	1.17
(1,2842)	1:52:B:ALA:HB1	1:55:B:ASP:HB2	9	1.26	0.34	1.17
(1,2841)	1:55:A:ASP:HB2	1:51:A:LYS:HG3	9	1.26	0.34	1.17
(1,2841)	1:52:A:ALA:HB2	1:55:A:ASP:HB2	9	1.26	0.34	1.17
(1,2841)	1:52:A:ALA:HB3	1:55:A:ASP:HB2	9	1.26	0.34	1.17
(1,2841)	1:52:A:ALA:HB1	1:55:A:ASP:HB2	9	1.26	0.34	1.17
(1,2459)	1:30:A:LYS:HD2	1:67:A:GLU:HG2	9	0.54	0.27	0.62
(1,2459)	1:30:A:LYS:HD3	1:67:A:GLU:HG3	9	0.54	0.27	0.62
(1,2459)	1:30:A:LYS:HD2	1:67:A:GLU:HG3	9	0.54	0.27	0.62
(1,2459)	1:30:A:LYS:HD3	1:59:A:GLN:HB2	9	0.54	0.27	0.62
(1,296)	1:83:B:LYS:HB3	1:80:B:ILE:HA	9	0.46	0.25	0.32
(1,295)	1:83:A:LYS:HB3	1:80:A:ILE:HA	9	0.46	0.25	0.32
(1,2844)	1:42:B:ALA:HB1	1:43:B:ASN:HB3	9	0.43	0.3	0.34
(1,2844)	1:52:B:ALA:HB2	1:55:B:ASP:HB2	9	0.43	0.3	0.34
(1,2844)	1:52:B:ALA:HB3	1:55:B:ASP:HB2	9	0.43	0.3	0.34
(1,2844)	1:42:B:ALA:HB2	1:43:B:ASN:HB3	9	0.43	0.3	0.34
(1,2844)	1:42:B:ALA:HB3	1:43:B:ASN:HB3	9	0.43	0.3	0.34
(1,2843)	1:42:A:ALA:HB1	1:43:A:ASN:HB3	9	0.43	0.3	0.33
(1,2843)	1:52:A:ALA:HB2	1:55:A:ASP:HB2	9	0.43	0.3	0.33
(1,2843)	1:52:A:ALA:HB3	1:55:A:ASP:HB2	9	0.43	0.3	0.33
(1,2843)	1:42:A:ALA:HB2	1:43:A:ASN:HB3	9	0.43	0.3	0.33
(1,2843)	1:42:A:ALA:HB3	1:43:A:ASN:HB3	9	0.43	0.3	0.33
(1,2559)	1:39:A:LYS:HE3	1:39:A:LYS:HB3	9	0.3	0.2	0.23
(1,2560)	1:39:B:LYS:HE3	1:39:B:LYS:HB3	9	0.3	0.2	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3053)	1:86:A:HIS:HB3	1:12:B:VAL:HG13	9	0.3	0.1	0.27
(1,3053)	1:86:A:HIS:HB3	1:12:B:VAL:HG22	9	0.3	0.1	0.27
(1,3053)	1:86:A:HIS:HB3	1:12:B:VAL:HG12	9	0.3	0.1	0.27
(1,3053)	1:86:A:HIS:HB3	1:12:B:VAL:HG21	9	0.3	0.1	0.27
(1,1750)	1:45:B:ILE:HG21	1:91:B:LYS:H	9	0.3	0.12	0.34
(1,1750)	1:80:B:ILE:HG22	1:79:B:ALA:H	9	0.3	0.12	0.34
(1,1750)	1:80:B:ILE:HG23	1:79:B:ALA:H	9	0.3	0.12	0.34
(1,1750)	1:45:B:ILE:HG23	1:91:B:LYS:H	9	0.3	0.12	0.34
(1,1750)	1:45:B:ILE:HG22	1:91:B:LYS:H	9	0.3	0.12	0.34
(1,1749)	1:45:A:ILE:HG21	1:91:A:LYS:H	9	0.3	0.12	0.33
(1,1749)	1:80:A:ILE:HG22	1:79:A:ALA:H	9	0.3	0.12	0.33
(1,1749)	1:80:A:ILE:HG23	1:79:A:ALA:H	9	0.3	0.12	0.33
(1,1749)	1:45:A:ILE:HG23	1:91:A:LYS:H	9	0.3	0.12	0.33
(1,1749)	1:45:A:ILE:HG22	1:91:A:LYS:H	9	0.3	0.12	0.33
(1,3054)	1:86:B:HIS:HB3	1:12:A:VAL:HG12	9	0.3	0.1	0.27
(1,3054)	1:86:B:HIS:HB3	1:12:A:VAL:HG13	9	0.3	0.1	0.27
(1,3054)	1:86:B:HIS:HB3	1:12:A:VAL:HG22	9	0.3	0.1	0.27
(1,3054)	1:86:B:HIS:HB3	1:12:A:VAL:HG21	9	0.3	0.1	0.27
(1,2394)	1:56:B:GLU:HG2	1:59:B:GLN:HG2	9	0.27	0.22	0.2
(1,2394)	1:67:B:GLU:HG3	1:59:B:GLN:HG2	9	0.27	0.22	0.2
(1,2394)	1:56:B:GLU:HG2	1:59:B:GLN:HG3	9	0.27	0.22	0.2
(1,1752)	1:75:B:ILE:HG23	1:79:A:ALA:H	9	0.26	0.04	0.26
(1,1752)	1:75:B:ILE:HG21	1:79:A:ALA:H	9	0.26	0.04	0.26
(1,1752)	1:75:B:ILE:HG22	1:79:A:ALA:H	9	0.26	0.04	0.26
(1,1751)	1:75:A:ILE:HG23	1:79:B:ALA:H	9	0.26	0.04	0.25
(1,1751)	1:75:A:ILE:HG21	1:79:B:ALA:H	9	0.26	0.04	0.25
(1,1751)	1:75:A:ILE:HG22	1:79:B:ALA:H	9	0.26	0.04	0.25
(1,2953)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	9	0.24	0.09	0.23
(1,2953)	1:41:A:LEU:HB3	1:44:A:THR:HG21	9	0.24	0.09	0.23
(1,2953)	1:41:A:LEU:HB3	1:44:A:THR:HG23	9	0.24	0.09	0.23
(1,2953)	1:41:A:LEU:HB3	1:44:A:THR:HG22	9	0.24	0.09	0.23
(1,2954)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	9	0.24	0.09	0.23
(1,2954)	1:41:B:LEU:HB3	1:44:B:THR:HG21	9	0.24	0.09	0.23
(1,2954)	1:41:B:LEU:HB3	1:44:B:THR:HG23	9	0.24	0.09	0.23
(1,2954)	1:41:B:LEU:HB3	1:44:B:THR:HG22	9	0.24	0.09	0.23
(1,2177)	1:54:A:ILE:HG12	1:58:A:PHE:HB2	9	0.23	0.13	0.17
(1,2178)	1:54:B:ILE:HG12	1:58:B:PHE:HB2	9	0.23	0.13	0.17
(1,212)	1:36:B:LEU:HD12	1:33:B:LEU:HA	9	0.21	0.04	0.23
(1,212)	1:36:B:LEU:HD11	1:33:B:LEU:HA	9	0.21	0.04	0.23
(1,212)	1:36:B:LEU:HD13	1:33:B:LEU:HA	9	0.21	0.04	0.23
(1,211)	1:36:A:LEU:HD12	1:33:A:LEU:HA	9	0.21	0.04	0.23
(1,211)	1:36:A:LEU:HD11	1:33:A:LEU:HA	9	0.21	0.04	0.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,211)	1:36:A:LEU:HD13	1:33:A:LEU:HA	9	0.21	0.04	0.23
(1,1892)	1:46:B:LYS:HG2	1:90:B:HIS:HA	9	0.17	0.04	0.16
(1,1891)	1:46:A:LYS:HG2	1:90:A:HIS:HA	9	0.17	0.04	0.16
(1,3287)	1:87:A:TYR:H	1:89:A:THR:H	9	0.15	0.03	0.14
(1,3288)	1:87:B:TYR:H	1:89:B:THR:H	9	0.15	0.02	0.14
(1,1453)	1:35:A:GLN:H	1:35:A:GLN:HG3	9	0.15	0.04	0.17
(1,1454)	1:35:B:GLN:H	1:35:B:GLN:HG3	9	0.15	0.04	0.17
(1,1590)	1:64:B:ASN:H	1:63:B:ALA:HB1	9	0.13	0.02	0.13
(1,1590)	1:64:B:ASN:H	1:63:B:ALA:HB3	9	0.13	0.02	0.13
(1,1590)	1:64:B:ASN:H	1:63:B:ALA:HB2	9	0.13	0.02	0.13
(3,104)	1:40:B:GLU:N	1:36:B:LEU:O	9	0.12	0.01	0.12
(3,32)	1:40:A:GLU:N	1:36:A:LEU:O	9	0.12	0.01	0.12
(2,31)	1:35:A:GLN:HB3	1:31:A:GLY:HA2	8	1.26	0.11	1.23
(2,32)	1:35:B:GLN:HB3	1:31:B:GLY:HA2	8	1.26	0.11	1.23
(2,133)	1:32:A:GLU:H	1:35:A:GLN:HB3	8	0.97	0.07	0.96
(2,134)	1:32:B:GLU:H	1:35:B:GLN:HB3	8	0.97	0.07	0.96
(1,562)	1:39:B:LYS:HD2	1:35:B:GLN:HG2	8	0.68	0.45	0.59
(1,562)	1:39:B:LYS:HD3	1:35:B:GLN:HG2	8	0.68	0.45	0.59
(1,561)	1:39:A:LYS:HD2	1:35:A:GLN:HG2	8	0.68	0.45	0.59
(1,561)	1:39:A:LYS:HD3	1:35:A:GLN:HG2	8	0.68	0.45	0.59
(1,2331)	1:83:A:LYS:HE3	1:86:A:HIS:HB3	8	0.67	0.25	0.74
(1,2331)	1:86:A:HIS:HB3	1:83:A:LYS:HE2	8	0.67	0.25	0.74
(1,2332)	1:83:B:LYS:HE3	1:86:B:HIS:HB3	8	0.67	0.25	0.74
(1,2332)	1:86:B:HIS:HB3	1:83:B:LYS:HE2	8	0.67	0.25	0.74
(1,2338)	1:58:B:PHE:HB2	1:30:B:LYS:HE2	8	0.66	0.32	0.72
(1,2338)	1:58:B:PHE:HB2	1:59:B:GLN:HG3	8	0.66	0.32	0.72
(1,2338)	1:58:B:PHE:HB2	1:30:B:LYS:HE3	8	0.66	0.32	0.72
(1,2337)	1:58:A:PHE:HB2	1:30:A:LYS:HE2	8	0.65	0.32	0.72
(1,2337)	1:58:A:PHE:HB2	1:59:A:GLN:HG3	8	0.65	0.32	0.72
(1,2337)	1:58:A:PHE:HB2	1:30:A:LYS:HE3	8	0.65	0.32	0.72
(1,2460)	1:30:B:LYS:HD2	1:67:B:GLU:HG2	8	0.59	0.24	0.66
(1,2460)	1:30:B:LYS:HD3	1:67:B:GLU:HG3	8	0.59	0.24	0.66
(1,2460)	1:30:B:LYS:HD2	1:67:B:GLU:HG3	8	0.59	0.24	0.66
(1,2460)	1:30:B:LYS:HD3	1:59:B:GLN:HB2	8	0.59	0.24	0.66
(1,1767)	1:72:A:GLN:H	1:72:A:GLN:HG2	8	0.54	0.03	0.54
(1,1768)	1:72:B:GLN:H	1:72:B:GLN:HG2	8	0.54	0.03	0.54
(1,3479)	1:85:A:ALA:H	1:12:B:VAL:HB	8	0.48	0.2	0.52
(1,3479)	1:85:A:ALA:H	1:9:B:GLU:HG2	8	0.48	0.2	0.52
(1,2605)	1:49:A:LYS:HB3	1:49:A:LYS:HE3	8	0.48	0.09	0.5
(1,2605)	1:46:A:LYS:HB3	1:46:A:LYS:HE2	8	0.48	0.09	0.5
(1,2606)	1:49:B:LYS:HB3	1:49:B:LYS:HE3	8	0.48	0.09	0.5
(1,2606)	1:46:B:LYS:HB3	1:46:B:LYS:HE2	8	0.48	0.09	0.5

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3480)	1:85:B:ALA:H	1:12:A:VAL:HB	8	0.47	0.21	0.5
(1,3480)	1:85:B:ALA:H	1:9:A:GLU:HG2	8	0.47	0.21	0.5
(1,1481)	1:3:A:LYS:H	1:6:A:GLU:HB2	8	0.46	0.18	0.46
(1,1481)	1:3:A:LYS:H	1:6:A:GLU:HB3	8	0.46	0.18	0.46
(1,1482)	1:3:B:LYS:H	1:6:B:GLU:HB2	8	0.46	0.19	0.47
(1,1482)	1:3:B:LYS:H	1:6:B:GLU:HB3	8	0.46	0.19	0.47
(1,3036)	1:9:B:GLU:HG3	1:12:B:VAL:HG12	8	0.45	0.14	0.5
(1,3036)	1:53:B:VAL:HG13	1:56:B:GLU:HG3	8	0.45	0.14	0.5
(1,3036)	1:9:B:GLU:HG2	1:12:B:VAL:HG11	8	0.45	0.14	0.5
(1,3036)	1:9:B:GLU:HG3	1:12:B:VAL:HG13	8	0.45	0.14	0.5
(1,3036)	1:9:B:GLU:HG2	1:12:B:VAL:HG13	8	0.45	0.14	0.5
(1,3036)	1:9:B:GLU:HG2	1:12:B:VAL:HG12	8	0.45	0.14	0.5
(1,3036)	1:53:B:VAL:HG12	1:56:B:GLU:HG3	8	0.45	0.14	0.5
(1,3035)	1:9:A:GLU:HG3	1:12:A:VAL:HG12	8	0.45	0.15	0.5
(1,3035)	1:53:A:VAL:HG13	1:56:A:GLU:HG3	8	0.45	0.15	0.5
(1,3035)	1:9:A:GLU:HG2	1:12:A:VAL:HG11	8	0.45	0.15	0.5
(1,3035)	1:9:A:GLU:HG3	1:12:A:VAL:HG13	8	0.45	0.15	0.5
(1,3035)	1:9:A:GLU:HG2	1:12:A:VAL:HG13	8	0.45	0.15	0.5
(1,3035)	1:9:A:GLU:HG2	1:12:A:VAL:HG12	8	0.45	0.15	0.5
(1,3035)	1:53:A:VAL:HG12	1:56:A:GLU:HG3	8	0.45	0.15	0.5
(1,2741)	1:75:A:ILE:HG13	1:83:B:LYS:HD3	8	0.42	0.1	0.45
(1,2741)	1:75:A:ILE:HG13	1:83:B:LYS:HD2	8	0.42	0.1	0.45
(1,2742)	1:75:B:ILE:HG13	1:83:A:LYS:HD3	8	0.42	0.1	0.44
(1,2742)	1:75:B:ILE:HG13	1:83:A:LYS:HD2	8	0.42	0.1	0.44
(1,332)	1:46:B:LYS:HE3	1:47:B:ASN:HB2	8	0.36	0.42	0.21
(1,332)	1:46:B:LYS:HE2	1:47:B:ASN:HB2	8	0.36	0.42	0.21
(1,331)	1:46:A:LYS:HE3	1:47:A:ASN:HB2	8	0.36	0.41	0.21
(1,331)	1:46:A:LYS:HE2	1:47:A:ASN:HB2	8	0.36	0.41	0.21
(1,2529)	1:53:A:VAL:HG11	1:46:A:LYS:HD2	8	0.27	0.06	0.28
(1,2529)	1:53:A:VAL:HG13	1:46:A:LYS:HD2	8	0.27	0.06	0.28
(1,2529)	1:53:A:VAL:HG13	1:56:A:GLU:HB2	8	0.27	0.06	0.28
(1,2529)	1:53:A:VAL:HG12	1:56:A:GLU:HB2	8	0.27	0.06	0.28
(1,2530)	1:53:B:VAL:HG11	1:46:B:LYS:HD2	8	0.26	0.06	0.28
(1,2530)	1:53:B:VAL:HG13	1:46:B:LYS:HD2	8	0.26	0.06	0.28
(1,2530)	1:53:B:VAL:HG13	1:56:B:GLU:HB2	8	0.26	0.06	0.28
(1,2530)	1:53:B:VAL:HG12	1:56:B:GLU:HB2	8	0.26	0.06	0.28
(1,662)	1:57:B:ILE:HG12	1:80:B:ILE:HG12	8	0.24	0.09	0.23
(1,662)	1:57:B:ILE:HG13	1:80:B:ILE:HG12	8	0.24	0.09	0.23
(1,661)	1:57:A:ILE:HG12	1:80:A:ILE:HG12	8	0.24	0.09	0.23
(1,661)	1:57:A:ILE:HG13	1:80:A:ILE:HG12	8	0.24	0.09	0.23
(1,2955)	1:74:A:PHE:HB2	1:61:A:LEU:HB3	8	0.21	0.1	0.19
(1,2956)	1:74:B:PHE:HB2	1:61:B:LEU:HB3	8	0.21	0.1	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3664)	1:47:B:ASN:H	1:46:B:LYS:HG3	8	0.19	0.05	0.18
(1,3663)	1:47:A:ASN:H	1:46:A:LYS:HG3	8	0.19	0.05	0.18
(1,2601)	1:42:A:ALA:HA	1:48:A:ILE:HB	8	0.18	0.04	0.18
(1,2602)	1:42:B:ALA:HA	1:48:B:ILE:HB	8	0.18	0.04	0.18
(1,2195)	1:59:A:GLN:HA	1:58:A:PHE:HB3	8	0.18	0.12	0.13
(1,2196)	1:59:B:GLN:HA	1:58:B:PHE:HB3	8	0.17	0.12	0.13
(1,63)	1:49:A:LYS:HG2	1:50:A:ASP:H	8	0.16	0.04	0.16
(1,918)	1:91:B:LYS:H	1:90:B:HIS:H	8	0.15	0.04	0.14
(1,917)	1:91:A:LYS:H	1:90:A:HIS:H	8	0.15	0.04	0.14
(1,1589)	1:64:A:ASN:H	1:63:A:ALA:HB1	8	0.13	0.01	0.13
(1,1589)	1:64:A:ASN:H	1:63:A:ALA:HB3	8	0.13	0.01	0.13
(1,1589)	1:64:A:ASN:H	1:63:A:ALA:HB2	8	0.13	0.01	0.13
(1,2342)	1:30:B:LYS:HB2	1:30:B:LYS:HE2	7	0.84	0.1	0.88
(1,2342)	1:30:B:LYS:HB3	1:30:B:LYS:HE2	7	0.84	0.1	0.88
(1,2341)	1:30:A:LYS:HB2	1:30:A:LYS:HE2	7	0.84	0.1	0.88
(1,2341)	1:30:A:LYS:HB3	1:30:A:LYS:HE2	7	0.84	0.1	0.88
(1,2330)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	7	0.52	0.11	0.55
(1,2330)	1:30:B:LYS:HE3	1:51:B:LYS:HE2	7	0.52	0.11	0.55
(1,2329)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	7	0.52	0.1	0.55
(1,2329)	1:30:A:LYS:HE3	1:51:A:LYS:HE2	7	0.52	0.1	0.55
(1,3025)	1:30:A:LYS:HD2	1:51:A:LYS:HB2	7	0.4	0.21	0.44
(1,3025)	1:49:A:LYS:HB2	1:53:A:VAL:HG12	7	0.4	0.21	0.44
(1,3025)	1:30:A:LYS:HD2	1:51:A:LYS:HB3	7	0.4	0.21	0.44
(1,3026)	1:30:B:LYS:HD2	1:51:B:LYS:HB2	7	0.4	0.21	0.43
(1,3026)	1:49:B:LYS:HB2	1:53:B:VAL:HG12	7	0.4	0.21	0.43
(1,3026)	1:30:B:LYS:HD2	1:51:B:LYS:HB3	7	0.4	0.21	0.43
(1,1616)	1:9:B:GLU:H	1:44:A:THR:HG21	7	0.35	0.08	0.38
(1,1616)	1:9:B:GLU:H	1:44:A:THR:HG22	7	0.35	0.08	0.38
(1,1616)	1:9:B:GLU:H	1:44:A:THR:HG23	7	0.35	0.08	0.38
(1,1615)	1:9:A:GLU:H	1:44:B:THR:HG21	7	0.34	0.07	0.37
(1,1615)	1:9:A:GLU:H	1:44:B:THR:HG22	7	0.34	0.07	0.37
(1,1615)	1:9:A:GLU:H	1:44:B:THR:HG23	7	0.34	0.07	0.37
(1,3466)	1:58:B:PHE:H	1:59:B:GLN:HG2	7	0.25	0.1	0.27
(1,3466)	1:58:B:PHE:H	1:59:B:GLN:HG3	7	0.25	0.1	0.27
(2,72)	1:32:B:GLU:HB2	1:36:B:LEU:HB2	7	0.25	0.1	0.23
(1,1691)	1:75:A:ILE:HG23	1:83:B:LYS:HE3	7	0.25	0.18	0.18
(1,1691)	1:75:A:ILE:HG21	1:83:B:LYS:HE2	7	0.25	0.18	0.18
(1,1691)	1:75:A:ILE:HG23	1:83:B:LYS:HE2	7	0.25	0.18	0.18
(1,1691)	1:75:A:ILE:HG21	1:83:B:LYS:HE3	7	0.25	0.18	0.18
(1,1691)	1:75:A:ILE:HG22	1:83:B:LYS:HE3	7	0.25	0.18	0.18
(1,1692)	1:75:B:ILE:HG23	1:83:A:LYS:HE3	7	0.25	0.18	0.18
(1,1692)	1:75:B:ILE:HG21	1:83:A:LYS:HE2	7	0.25	0.18	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1692)	1:75:B:ILE:HG23	1:83:A:LYS:HE2	7	0.25	0.18	0.18
(1,1692)	1:75:B:ILE:HG21	1:83:A:LYS:HE3	7	0.25	0.18	0.18
(1,1692)	1:75:B:ILE:HG22	1:83:A:LYS:HE3	7	0.25	0.18	0.18
(1,299)	1:48:A:ILE:HD11	1:37:A:LEU:HA	7	0.23	0.09	0.27
(1,299)	1:48:A:ILE:HD13	1:37:A:LEU:HA	7	0.23	0.09	0.27
(1,299)	1:48:A:ILE:HD12	1:37:A:LEU:HA	7	0.23	0.09	0.27
(1,300)	1:48:B:ILE:HD11	1:37:B:LEU:HA	7	0.23	0.09	0.27
(1,300)	1:48:B:ILE:HD13	1:37:B:LEU:HA	7	0.23	0.09	0.27
(1,300)	1:48:B:ILE:HD12	1:37:B:LEU:HA	7	0.23	0.09	0.27
(1,2221)	1:30:A:LYS:HB2	1:58:A:PHE:HB3	7	0.22	0.08	0.21
(1,2221)	1:30:A:LYS:HB3	1:51:A:LYS:HE3	7	0.22	0.08	0.21
(1,2222)	1:30:B:LYS:HB2	1:58:B:PHE:HB3	7	0.22	0.09	0.2
(1,2222)	1:30:B:LYS:HB3	1:51:B:LYS:HE3	7	0.22	0.09	0.2
(1,2032)	1:12:B:VAL:HG21	1:82:A:LEU:HA	7	0.21	0.04	0.19
(1,2032)	1:12:B:VAL:HG23	1:82:A:LEU:HA	7	0.21	0.04	0.19
(1,2032)	1:12:B:VAL:HG22	1:82:A:LEU:HA	7	0.21	0.04	0.19
(1,2032)	1:12:B:VAL:HG22	1:86:A:HIS:HA	7	0.21	0.04	0.19
(1,2032)	1:12:B:VAL:HG23	1:86:A:HIS:HA	7	0.21	0.04	0.19
(1,2031)	1:12:A:VAL:HG21	1:82:B:LEU:HA	7	0.2	0.04	0.19
(1,2031)	1:12:A:VAL:HG23	1:82:B:LEU:HA	7	0.2	0.04	0.19
(1,2031)	1:12:A:VAL:HG22	1:82:B:LEU:HA	7	0.2	0.04	0.19
(1,2031)	1:12:A:VAL:HG22	1:86:B:HIS:HA	7	0.2	0.04	0.19
(1,2031)	1:12:A:VAL:HG23	1:86:B:HIS:HA	7	0.2	0.04	0.19
(1,3055)	1:37:A:LEU:HD21	1:40:A:GLU:HB3	7	0.2	0.08	0.14
(1,3055)	1:37:A:LEU:HD22	1:40:A:GLU:HB3	7	0.2	0.08	0.14
(1,3056)	1:37:B:LEU:HD21	1:40:B:GLU:HB3	7	0.19	0.08	0.14
(1,3056)	1:37:B:LEU:HD22	1:40:B:GLU:HB3	7	0.19	0.08	0.14
(1,1833)	1:59:A:GLN:HG2	1:62:A:ASP:H	7	0.19	0.07	0.24
(1,3775)	1:37:A:LEU:H	1:37:A:LEU:HD22	7	0.18	0.05	0.15
(1,3775)	1:37:A:LEU:H	1:37:A:LEU:HD21	7	0.18	0.05	0.15
(1,3775)	1:37:A:LEU:H	1:37:A:LEU:HD23	7	0.18	0.05	0.15
(1,3776)	1:37:B:LEU:H	1:37:B:LEU:HD22	7	0.18	0.05	0.15
(1,3776)	1:37:B:LEU:H	1:37:B:LEU:HD21	7	0.18	0.05	0.15
(1,3776)	1:37:B:LEU:H	1:37:B:LEU:HD23	7	0.18	0.05	0.15
(1,64)	1:49:B:LYS:HG2	1:50:B:ASP:H	7	0.16	0.03	0.16
(1,3096)	1:54:B:ILE:HG12	1:54:B:ILE:HG22	7	0.14	0.02	0.14
(1,3096)	1:91:B:LYS:HD2	1:80:B:ILE:HG23	7	0.14	0.02	0.14
(1,3096)	1:54:B:ILE:HG12	1:54:B:ILE:HG23	7	0.14	0.02	0.14
(1,3096)	1:54:B:ILE:HG12	1:54:B:ILE:HG21	7	0.14	0.02	0.14
(1,3095)	1:54:A:ILE:HG12	1:54:A:ILE:HG22	7	0.14	0.02	0.14
(1,3095)	1:91:A:LYS:HD2	1:80:A:ILE:HG23	7	0.14	0.02	0.14
(1,3095)	1:54:A:ILE:HG12	1:54:A:ILE:HG23	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)
(1,3095)	1:54:A:ILE:HG12	1:54:A:ILE:HG21	7	0.14	0.02	0.14
(2,128)	1:18:B:TYR:H	1:36:B:LEU:HA	7	0.13	0.03	0.12
(1,3490)	1:8:B:LEU:H	1:9:B:GLU:HG2	6	0.81	0.38	1.03
(1,3490)	1:8:B:LEU:H	1:12:B:VAL:HB	6	0.81	0.38	1.03
(1,3490)	1:8:B:LEU:H	1:6:B:GLU:HG2	6	0.81	0.38	1.03
(1,3490)	1:8:B:LEU:H	1:6:B:GLU:HG3	6	0.81	0.38	1.03
(1,558)	1:91:B:LYS:HD3	1:80:B:ILE:HA	6	0.66	0.57	0.55
(1,557)	1:91:A:LYS:HD3	1:80:A:ILE:HA	6	0.66	0.56	0.55
(1,1899)	1:44:A:THR:HG22	1:88:A:HIS:HA	6	0.6	0.13	0.63
(1,1899)	1:44:A:THR:HG23	1:88:A:HIS:HA	6	0.6	0.13	0.63
(1,1900)	1:44:B:THR:HG22	1:88:B:HIS:HA	6	0.6	0.13	0.63
(1,1900)	1:44:B:THR:HG23	1:88:B:HIS:HA	6	0.6	0.13	0.63
(1,2475)	1:33:A:LEU:HB2	1:32:A:GLU:HG2	6	0.5	0.2	0.51
(1,2475)	1:33:A:LEU:HB2	1:32:A:GLU:HG3	6	0.5	0.2	0.51
(1,2476)	1:33:B:LEU:HB2	1:32:B:GLU:HG2	6	0.5	0.21	0.5
(1,2476)	1:33:B:LEU:HB2	1:32:B:GLU:HG3	6	0.5	0.21	0.5
(1,2322)	1:67:B:GLU:HB2	1:30:B:LYS:HE3	6	0.44	0.16	0.52
(1,2322)	1:67:B:GLU:HB2	1:30:B:LYS:HE2	6	0.44	0.16	0.52
(1,2321)	1:67:A:GLU:HB2	1:30:A:LYS:HE3	6	0.44	0.15	0.52
(1,2321)	1:67:A:GLU:HB2	1:30:A:LYS:HE2	6	0.44	0.15	0.52
(1,2471)	1:85:A:ALA:HA	1:8:B:LEU:HB3	6	0.41	0.19	0.34
(1,2471)	1:85:A:ALA:HA	1:9:B:GLU:HG3	6	0.41	0.19	0.34
(1,3421)	1:92:A:GLU:H	1:90:A:HIS:HB2	6	0.41	0.05	0.38
(1,3421)	1:92:A:GLU:H	1:46:A:LYS:HE3	6	0.41	0.05	0.38
(1,3422)	1:92:B:GLU:H	1:90:B:HIS:HB2	6	0.41	0.05	0.38
(1,3422)	1:92:B:GLU:H	1:46:B:LYS:HE3	6	0.41	0.05	0.38
(1,2472)	1:85:B:ALA:HA	1:8:A:LEU:HB3	6	0.4	0.2	0.34
(1,2472)	1:85:B:ALA:HA	1:9:A:GLU:HG3	6	0.4	0.2	0.34
(2,55)	1:70:A:ASP:HB3	1:74:A:PHE:HB2	6	0.36	0.07	0.32
(2,56)	1:70:B:ASP:HB3	1:74:B:PHE:HB2	6	0.36	0.07	0.32
(1,317)	1:37:A:LEU:HD13	1:30:A:LYS:HA	6	0.35	0.25	0.2
(1,317)	1:37:A:LEU:HD12	1:30:A:LYS:HA	6	0.35	0.25	0.2
(1,317)	1:37:A:LEU:HD11	1:30:A:LYS:HA	6	0.35	0.25	0.2
(1,318)	1:37:B:LEU:HD13	1:30:B:LYS:HA	6	0.35	0.25	0.2
(1,318)	1:37:B:LEU:HD12	1:30:B:LYS:HA	6	0.35	0.25	0.2
(1,318)	1:37:B:LEU:HD11	1:30:B:LYS:HA	6	0.35	0.25	0.2
(1,2302)	1:51:B:LYS:HE2	1:55:B:ASP:HB2	6	0.33	0.17	0.29
(1,2301)	1:51:A:LYS:HE2	1:55:A:ASP:HB2	6	0.32	0.17	0.29
(1,1884)	1:51:B:LYS:HB2	1:50:B:ASP:HA	6	0.29	0.11	0.29
(1,1884)	1:51:B:LYS:HB3	1:50:B:ASP:HA	6	0.29	0.11	0.29
(1,1884)	1:46:B:LYS:HB3	1:90:B:HIS:HA	6	0.29	0.11	0.29
(1,1883)	1:51:A:LYS:HB2	1:50:A:ASP:HA	6	0.29	0.11	0.28

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1883)	1:51:A:LYS:HB3	1:50:A:ASP:HA	6	0.29	0.11	0.28
(1,1883)	1:46:A:LYS:HB3	1:90:A:HIS:HA	6	0.29	0.11	0.28
(1,1823)	1:11:A:ILE:H	1:6:A:GLU:HA	6	0.28	0.07	0.28
(1,1824)	1:11:B:ILE:H	1:6:B:GLU:HA	6	0.28	0.07	0.28
(1,2245)	1:91:A:LYS:HB2	1:91:A:LYS:HE2	6	0.28	0.11	0.25
(1,2245)	1:46:A:LYS:HB2	1:46:A:LYS:HE2	6	0.28	0.11	0.25
(1,2245)	1:46:A:LYS:HB2	1:46:A:LYS:HE3	6	0.28	0.11	0.25
(1,2246)	1:91:B:LYS:HB2	1:91:B:LYS:HE2	6	0.28	0.11	0.25
(1,2246)	1:46:B:LYS:HB2	1:46:B:LYS:HE2	6	0.28	0.11	0.25
(1,2246)	1:46:B:LYS:HB2	1:46:B:LYS:HE3	6	0.28	0.11	0.25
(1,3465)	1:58:A:PHE:H	1:59:A:GLN:HG2	6	0.28	0.09	0.29
(1,3465)	1:58:A:PHE:H	1:59:A:GLN:HG3	6	0.28	0.09	0.29
(2,71)	1:32:A:GLU:HB2	1:36:A:LEU:HB2	6	0.28	0.09	0.25
(1,3198)	1:75:B:ILE:HG23	1:75:B:ILE:HA	6	0.25	0.07	0.22
(1,3198)	1:75:B:ILE:HA	1:78:B:VAL:HG22	6	0.25	0.07	0.22
(1,3198)	1:75:B:ILE:HG21	1:75:B:ILE:HA	6	0.25	0.07	0.22
(1,3198)	1:75:B:ILE:HA	1:78:B:VAL:HG23	6	0.25	0.07	0.22
(1,3532)	1:38:B:THR:H	1:39:B:LYS:HB2	6	0.25	0.06	0.26
(1,3532)	1:38:B:THR:H	1:40:B:GLU:HG2	6	0.25	0.06	0.26
(1,3197)	1:75:A:ILE:HG23	1:75:A:ILE:HA	6	0.25	0.07	0.22
(1,3197)	1:75:A:ILE:HA	1:78:A:VAL:HG22	6	0.25	0.07	0.22
(1,3197)	1:75:A:ILE:HG21	1:75:A:ILE:HA	6	0.25	0.07	0.22
(1,3197)	1:75:A:ILE:HA	1:78:A:VAL:HG23	6	0.25	0.07	0.22
(1,3531)	1:38:A:THR:H	1:39:A:LYS:HB2	6	0.25	0.06	0.26
(1,3531)	1:38:A:THR:H	1:40:A:GLU:HG2	6	0.25	0.06	0.26
(1,2687)	1:30:A:LYS:HD2	1:51:A:LYS:HD2	6	0.24	0.1	0.24
(1,2687)	1:30:A:LYS:HD3	1:51:A:LYS:HD2	6	0.24	0.1	0.24
(1,2687)	1:30:A:LYS:HD2	1:51:A:LYS:HD3	6	0.24	0.1	0.24
(1,2688)	1:30:B:LYS:HD2	1:51:B:LYS:HD2	6	0.24	0.11	0.24
(1,2688)	1:30:B:LYS:HD3	1:51:B:LYS:HD2	6	0.24	0.11	0.24
(1,2688)	1:30:B:LYS:HD2	1:51:B:LYS:HD3	6	0.24	0.11	0.24
(1,3620)	1:79:B:ALA:H	1:82:B:LEU:HB2	6	0.22	0.1	0.18
(1,3620)	1:90:B:HIS:H	1:91:B:LYS:HB2	6	0.22	0.1	0.18
(1,3619)	1:79:A:ALA:H	1:82:A:LEU:HB2	6	0.22	0.1	0.18
(1,3619)	1:90:A:HIS:H	1:91:A:LYS:HB2	6	0.22	0.1	0.18
(1,1733)	1:36:A:LEU:HD22	1:8:B:LEU:HD13	6	0.21	0.09	0.2
(1,1733)	1:36:A:LEU:HD21	1:8:B:LEU:HD23	6	0.21	0.09	0.2
(1,1733)	1:36:A:LEU:HD22	1:8:B:LEU:HD21	6	0.21	0.09	0.2
(1,1733)	1:36:A:LEU:HD21	1:8:B:LEU:HD11	6	0.21	0.09	0.2
(1,1733)	1:36:A:LEU:HD22	1:8:B:LEU:HD11	6	0.21	0.09	0.2
(1,1733)	1:36:A:LEU:HD21	1:8:B:LEU:HD13	6	0.21	0.09	0.2
(1,1834)	1:59:B:GLN:HG2	1:62:B:ASP:H	6	0.21	0.07	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1734)	1:36:B:LEU:HD22	1:8:A:LEU:HD13	6	0.21	0.09	0.18
(1,1734)	1:36:B:LEU:HD21	1:8:A:LEU:HD23	6	0.21	0.09	0.18
(1,1734)	1:36:B:LEU:HD22	1:8:A:LEU:HD21	6	0.21	0.09	0.18
(1,1734)	1:36:B:LEU:HD21	1:8:A:LEU:HD11	6	0.21	0.09	0.18
(1,1734)	1:36:B:LEU:HD22	1:8:A:LEU:HD11	6	0.21	0.09	0.18
(1,1734)	1:36:B:LEU:HD21	1:8:A:LEU:HD13	6	0.21	0.09	0.18
(1,3284)	1:68:B:GLN:H	1:64:B:ASN:H	6	0.17	0.02	0.16
(1,3283)	1:68:A:GLN:H	1:64:A:ASN:H	6	0.16	0.02	0.15
(1,1800)	1:56:B:GLU:H	1:30:B:LYS:HD3	6	0.16	0.04	0.16
(1,1800)	1:56:B:GLU:H	1:30:B:LYS:HD2	6	0.16	0.04	0.16
(2,127)	1:18:A:TYR:H	1:36:A:LEU:HA	6	0.13	0.03	0.12
(1,555)	1:45:A:ILE:HB	1:44:A:THR:HB	6	0.13	0.01	0.12
(1,556)	1:45:B:ILE:HB	1:44:B:THR:HB	6	0.13	0.01	0.12
(1,2435)	1:35:A:GLN:HG2	1:35:A:GLN:HB3	6	0.12	0.01	0.12
(1,3201)	1:36:A:LEU:HD22	1:36:A:LEU:HA	6	0.12	0.03	0.11
(1,3201)	1:36:A:LEU:HD21	1:36:A:LEU:HA	6	0.12	0.03	0.11
(1,3201)	1:36:A:LEU:HD23	1:36:A:LEU:HA	6	0.12	0.03	0.11
(1,1413)	1:59:A:GLN:H	1:59:A:GLN:HG3	6	0.12	0.02	0.11
(1,2436)	1:35:B:GLN:HG2	1:35:B:GLN:HB3	6	0.12	0.02	0.12
(1,1414)	1:59:B:GLN:H	1:59:B:GLN:HG3	6	0.12	0.02	0.11
(1,3489)	1:8:A:LEU:H	1:9:A:GLU:HG2	5	0.95	0.23	1.06
(1,3489)	1:8:A:LEU:H	1:12:A:VAL:HB	5	0.95	0.23	1.06
(1,3489)	1:8:A:LEU:H	1:6:A:GLU:HG2	5	0.95	0.23	1.06
(1,3489)	1:8:A:LEU:H	1:6:A:GLU:HG3	5	0.95	0.23	1.06
(1,3616)	1:89:B:THR:H	1:91:B:LYS:HB2	5	0.79	0.57	0.66
(1,3615)	1:89:A:THR:H	1:91:A:LYS:HB2	5	0.79	0.57	0.64
(1,1712)	1:91:B:LYS:HD2	1:75:A:ILE:HG23	5	0.51	0.19	0.49
(1,1712)	1:83:B:LYS:HD3	1:75:A:ILE:HG22	5	0.51	0.19	0.49
(1,1712)	1:83:B:LYS:HD3	1:75:A:ILE:HG21	5	0.51	0.19	0.49
(1,1711)	1:91:A:LYS:HD2	1:75:B:ILE:HG23	5	0.5	0.19	0.48
(1,1711)	1:83:A:LYS:HD3	1:75:B:ILE:HG22	5	0.5	0.19	0.48
(1,1711)	1:83:A:LYS:HD3	1:75:B:ILE:HG21	5	0.5	0.19	0.48
(1,2335)	1:30:A:LYS:HE2	1:58:A:PHE:HB3	5	0.41	0.12	0.44
(1,2336)	1:30:B:LYS:HE2	1:58:B:PHE:HB3	5	0.41	0.12	0.44
(1,2353)	1:30:A:LYS:HE2	1:58:A:PHE:HB3	5	0.38	0.13	0.3
(1,2353)	1:30:A:LYS:HE3	1:58:A:PHE:HB3	5	0.38	0.13	0.3
(1,2354)	1:30:B:LYS:HE2	1:58:B:PHE:HB3	5	0.38	0.13	0.31
(1,2354)	1:30:B:LYS:HE3	1:58:B:PHE:HB3	5	0.38	0.13	0.31
(1,2758)	1:80:B:ILE:HD11	1:91:B:LYS:HD2	5	0.38	0.15	0.34
(1,2758)	1:80:B:ILE:HD12	1:91:B:LYS:HD2	5	0.38	0.15	0.34
(1,2758)	1:80:B:ILE:HD13	1:91:B:LYS:HD2	5	0.38	0.15	0.34
(1,2757)	1:80:A:ILE:HD11	1:91:A:LYS:HD2	5	0.38	0.15	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2757)	1:80:A:ILE:HD12	1:91:A:LYS:HD2	5	0.38	0.15	0.34
(1,2757)	1:80:A:ILE:HD13	1:91:A:LYS:HD2	5	0.38	0.15	0.34
(1,207)	1:32:A:GLU:HG2	1:32:A:GLU:HA	5	0.36	0.04	0.36
(1,207)	1:32:A:GLU:HG3	1:32:A:GLU:HA	5	0.36	0.04	0.36
(1,208)	1:32:B:GLU:HG2	1:32:B:GLU:HA	5	0.36	0.04	0.36
(1,208)	1:32:B:GLU:HG3	1:32:B:GLU:HA	5	0.36	0.04	0.36
(1,314)	1:11:B:ILE:HA	1:7:A:HIS:HB3	5	0.35	0.14	0.33
(1,313)	1:11:A:ILE:HA	1:7:B:HIS:HB3	5	0.35	0.14	0.33
(1,3689)	1:57:A:ILE:H	1:80:A:ILE:HG12	5	0.29	0.08	0.26
(1,3690)	1:57:B:ILE:H	1:80:B:ILE:HG12	5	0.29	0.08	0.26
(1,1471)	1:63:A:ALA:H	1:73:A:GLU:HB3	5	0.25	0.09	0.23
(1,1472)	1:63:B:ALA:H	1:73:B:GLU:HB3	5	0.25	0.09	0.23
(1,1901)	1:84:A:ALA:HB1	1:88:A:HIS:HA	5	0.23	0.09	0.27
(1,1901)	1:84:A:ALA:HB3	1:88:A:HIS:HA	5	0.23	0.09	0.27
(1,1901)	1:84:A:ALA:HB2	1:88:A:HIS:HA	5	0.23	0.09	0.27
(1,1902)	1:84:B:ALA:HB1	1:88:B:HIS:HA	5	0.23	0.08	0.27
(1,1902)	1:84:B:ALA:HB3	1:88:B:HIS:HA	5	0.23	0.08	0.27
(1,1902)	1:84:B:ALA:HB2	1:88:B:HIS:HA	5	0.23	0.08	0.27
(1,3160)	1:48:B:ILE:HG22	1:49:B:LYS:HG2	5	0.21	0.06	0.2
(1,3160)	1:48:B:ILE:HG23	1:49:B:LYS:HG2	5	0.21	0.06	0.2
(1,3160)	1:48:B:ILE:HG21	1:49:B:LYS:HG2	5	0.21	0.06	0.2
(1,3159)	1:48:A:ILE:HG22	1:49:A:LYS:HG2	5	0.21	0.06	0.19
(1,3159)	1:48:A:ILE:HG23	1:49:A:LYS:HG2	5	0.21	0.06	0.19
(1,3159)	1:48:A:ILE:HG21	1:49:A:LYS:HG2	5	0.21	0.06	0.19
(1,3566)	1:44:B:THR:H	1:48:B:ILE:HB	5	0.18	0.06	0.14
(1,3565)	1:44:A:THR:H	1:48:A:ILE:HB	5	0.18	0.07	0.14
(1,1559)	1:77:A:LEU:H	1:61:A:LEU:HB2	5	0.17	0.05	0.15
(1,2135)	1:45:A:ILE:HG13	1:37:A:LEU:HA	5	0.17	0.04	0.18
(1,3796)	1:62:B:ASP:H	1:61:B:LEU:HD12	5	0.17	0.06	0.14
(1,3796)	1:62:B:ASP:H	1:61:B:LEU:HD11	5	0.17	0.06	0.14
(1,3796)	1:62:B:ASP:H	1:61:B:LEU:HD13	5	0.17	0.06	0.14
(1,1560)	1:77:B:LEU:H	1:61:B:LEU:HB2	5	0.17	0.05	0.15
(1,2136)	1:45:B:ILE:HG13	1:37:B:LEU:HA	5	0.17	0.04	0.17
(1,3795)	1:62:A:ASP:H	1:61:A:LEU:HD12	5	0.17	0.06	0.13
(1,3795)	1:62:A:ASP:H	1:61:A:LEU:HD11	5	0.17	0.06	0.13
(1,3795)	1:62:A:ASP:H	1:61:A:LEU:HD13	5	0.17	0.06	0.13
(1,3534)	1:50:B:ASP:H	1:46:B:LYS:HD2	5	0.16	0.05	0.15
(1,3534)	1:36:B:LEU:H	1:32:B:GLU:HG3	5	0.16	0.05	0.15
(1,3561)	1:84:A:ALA:H	1:83:A:LYS:HB2	5	0.16	0.03	0.15
(1,3561)	1:84:A:ALA:H	1:83:A:LYS:HB3	5	0.16	0.03	0.15
(1,3562)	1:84:B:ALA:H	1:83:B:LYS:HB2	5	0.16	0.03	0.16
(1,3562)	1:84:B:ALA:H	1:83:B:LYS:HB3	5	0.16	0.03	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1799)	1:56:A:GLU:H	1:30:A:LYS:HD3	5	0.16	0.04	0.17
(1,3639)	1:12:A:VAL:H	1:85:B:ALA:HB3	5	0.16	0.03	0.18
(1,3639)	1:12:A:VAL:H	1:85:B:ALA:HB1	5	0.16	0.03	0.18
(1,3639)	1:56:A:GLU:H	1:52:A:ALA:HB2	5	0.16	0.03	0.18
(1,3639)	1:56:A:GLU:H	1:52:A:ALA:HB3	5	0.16	0.03	0.18
(1,3640)	1:12:B:VAL:H	1:85:A:ALA:HB3	5	0.16	0.03	0.18
(1,3640)	1:12:B:VAL:H	1:85:A:ALA:HB1	5	0.16	0.03	0.18
(1,3640)	1:56:B:GLU:H	1:52:B:ALA:HB2	5	0.16	0.03	0.18
(1,3640)	1:56:B:GLU:H	1:52:B:ALA:HB3	5	0.16	0.03	0.18
(1,33)	1:8:A:LEU:H	1:8:A:LEU:HD12	5	0.15	0.05	0.13
(1,33)	1:8:A:LEU:H	1:8:A:LEU:HD13	5	0.15	0.05	0.13
(1,33)	1:8:A:LEU:H	1:8:A:LEU:HD11	5	0.15	0.05	0.13
(1,34)	1:8:B:LEU:H	1:8:B:LEU:HD12	5	0.15	0.05	0.13
(1,34)	1:8:B:LEU:H	1:8:B:LEU:HD13	5	0.15	0.05	0.13
(1,34)	1:8:B:LEU:H	1:8:B:LEU:HD11	5	0.15	0.05	0.13
(1,3202)	1:36:B:LEU:HD22	1:36:B:LEU:HA	5	0.13	0.03	0.11
(1,3202)	1:36:B:LEU:HD21	1:36:B:LEU:HA	5	0.13	0.03	0.11
(1,3202)	1:36:B:LEU:HD23	1:36:B:LEU:HA	5	0.13	0.03	0.11
(1,3671)	1:48:A:ILE:H	1:49:A:LYS:HG2	5	0.13	0.03	0.12
(1,3672)	1:48:B:ILE:H	1:49:B:LYS:HG2	5	0.13	0.02	0.12
(1,3767)	1:41:A:LEU:H	1:48:A:ILE:HG22	5	0.13	0.02	0.13
(1,3767)	1:41:A:LEU:H	1:48:A:ILE:HG23	5	0.13	0.02	0.13
(1,3767)	1:41:A:LEU:H	1:48:A:ILE:HG21	5	0.13	0.02	0.13
(1,373)	1:75:A:ILE:HG21	1:75:A:ILE:HA	5	0.13	0.02	0.13
(1,373)	1:75:A:ILE:HG23	1:75:A:ILE:HA	5	0.13	0.02	0.13
(1,373)	1:75:A:ILE:HG22	1:75:A:ILE:HA	5	0.13	0.02	0.13
(1,374)	1:75:B:ILE:HG21	1:75:B:ILE:HA	5	0.13	0.02	0.13
(1,374)	1:75:B:ILE:HG23	1:75:B:ILE:HA	5	0.13	0.02	0.13
(1,374)	1:75:B:ILE:HG22	1:75:B:ILE:HA	5	0.13	0.02	0.13
(1,3237)	1:81:A:ALA:H	1:85:A:ALA:H	5	0.13	0.01	0.12
(1,3238)	1:81:B:ALA:H	1:85:B:ALA:H	5	0.12	0.01	0.12
(3,17)	1:18:A:TYR:H	1:14:A:ILE:O	5	0.12	0.01	0.12
(3,89)	1:18:B:TYR:H	1:14:B:ILE:O	5	0.12	0.01	0.12
(3,20)	1:34:A:LYS:N	1:30:A:LYS:O	5	0.11	0.0	0.11
(3,92)	1:34:B:LYS:N	1:30:B:LYS:O	5	0.11	0.0	0.11
(3,114)	1:59:B:GLN:N	1:55:B:ASP:O	5	0.11	0.01	0.11
(2,66)	1:35:B:GLN:HB3	1:32:B:GLU:HB2	4	1.02	0.07	1.0
(2,65)	1:35:A:GLN:HB3	1:32:A:GLU:HB2	4	1.02	0.07	1.0
(1,2020)	1:91:B:LYS:HD3	1:83:B:LYS:HA	4	0.79	0.22	0.79
(1,2019)	1:91:A:LYS:HD3	1:83:A:LYS:HA	4	0.79	0.22	0.79
(1,1539)	1:84:A:ALA:H	1:91:A:LYS:HD3	4	0.78	0.46	0.76
(1,1540)	1:84:B:ALA:H	1:91:B:LYS:HD3	4	0.78	0.46	0.76

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3014)	1:53:B:VAL:HG12	1:56:B:GLU:HA	4	0.63	0.07	0.65
(1,3014)	1:56:B:GLU:HA	1:57:B:ILE:HG13	4	0.63	0.07	0.65
(1,3014)	1:53:B:VAL:HG13	1:56:B:GLU:HA	4	0.63	0.07	0.65
(1,3013)	1:53:A:VAL:HG12	1:56:A:GLU:HA	4	0.63	0.07	0.65
(1,3013)	1:56:A:GLU:HA	1:57:A:ILE:HG13	4	0.63	0.07	0.65
(1,3013)	1:53:A:VAL:HG13	1:56:A:GLU:HA	4	0.63	0.07	0.65
(1,2365)	1:53:A:VAL:HB	1:50:A:ASP:HB2	4	0.52	0.05	0.51
(1,2366)	1:53:B:VAL:HB	1:50:B:ASP:HB2	4	0.52	0.05	0.51
(1,1635)	1:57:A:ILE:H	1:57:A:ILE:HG12	4	0.45	0.02	0.45
(1,1635)	1:57:A:ILE:H	1:57:A:ILE:HG13	4	0.45	0.02	0.45
(1,1636)	1:57:B:ILE:H	1:57:B:ILE:HG12	4	0.44	0.02	0.45
(1,1636)	1:57:B:ILE:H	1:57:B:ILE:HG13	4	0.44	0.02	0.45
(1,2237)	1:46:A:LYS:HE2	1:53:A:VAL:HA	4	0.36	0.08	0.38
(1,2237)	1:50:A:ASP:HB2	1:53:A:VAL:HA	4	0.36	0.08	0.38
(1,2238)	1:46:B:LYS:HE2	1:53:B:VAL:HA	4	0.35	0.08	0.38
(1,2238)	1:50:B:ASP:HB2	1:53:B:VAL:HA	4	0.35	0.08	0.38
(1,2558)	1:39:B:LYS:HE3	1:39:B:LYS:HB3	4	0.34	0.16	0.36
(1,2558)	1:39:B:LYS:HE2	1:39:B:LYS:HB3	4	0.34	0.16	0.36
(1,2557)	1:39:A:LYS:HE3	1:39:A:LYS:HB3	4	0.34	0.16	0.36
(1,2557)	1:39:A:LYS:HE2	1:39:A:LYS:HB3	4	0.34	0.16	0.36
(1,253)	1:49:A:LYS:HE2	1:38:A:THR:HB	4	0.29	0.12	0.26
(1,253)	1:49:A:LYS:HE3	1:38:A:THR:HB	4	0.29	0.12	0.26
(1,254)	1:49:B:LYS:HE2	1:38:B:THR:HB	4	0.29	0.13	0.27
(1,254)	1:49:B:LYS:HE3	1:38:B:THR:HB	4	0.29	0.13	0.27
(1,2411)	1:75:A:ILE:HD12	1:71:A:PHE:HB2	4	0.28	0.17	0.21
(1,2411)	1:75:A:ILE:HD13	1:72:A:GLN:HG3	4	0.28	0.17	0.21
(1,2411)	1:75:A:ILE:HD12	1:72:A:GLN:HG3	4	0.28	0.17	0.21
(1,2412)	1:75:B:ILE:HD12	1:71:B:PHE:HB2	4	0.28	0.17	0.22
(1,2412)	1:75:B:ILE:HD13	1:72:B:GLN:HG3	4	0.28	0.17	0.22
(1,2412)	1:75:B:ILE:HD12	1:72:B:GLN:HG3	4	0.28	0.17	0.22
(1,2839)	1:30:A:LYS:HB2	1:58:A:PHE:HB3	4	0.26	0.05	0.28
(1,2840)	1:30:B:LYS:HB2	1:58:B:PHE:HB3	4	0.26	0.05	0.28
(1,419)	1:53:A:VAL:HB	1:50:A:ASP:HB2	4	0.25	0.05	0.24
(1,420)	1:53:B:VAL:HB	1:50:B:ASP:HB2	4	0.24	0.04	0.23
(1,3587)	1:61:A:LEU:H	1:57:A:ILE:HB	4	0.24	0.05	0.25
(1,3588)	1:61:B:LEU:H	1:57:B:ILE:HB	4	0.23	0.04	0.24
(1,2778)	1:81:B:ALA:HB3	1:44:B:THR:HB	4	0.23	0.1	0.2
(1,2778)	1:81:B:ALA:HB2	1:44:B:THR:HB	4	0.23	0.1	0.2
(1,2777)	1:81:A:ALA:HB3	1:44:A:THR:HB	4	0.22	0.1	0.2
(1,2777)	1:81:A:ALA:HB2	1:44:A:THR:HB	4	0.22	0.1	0.2
(1,2275)	1:72:A:GLN:HB3	1:83:B:LYS:HE3	4	0.21	0.07	0.19
(1,2275)	1:72:A:GLN:HB2	1:70:A:ASP:HB3	4	0.21	0.07	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2276)	1:72:B:GLN:HB2	1:70:B:ASP:HB3	4	0.21	0.06	0.18
(1,2276)	1:72:B:GLN:HB3	1:83:A:LYS:HE3	4	0.21	0.06	0.18
(1,2796)	1:46:B:LYS:HG2	1:46:B:LYS:HE3	4	0.2	0.04	0.18
(1,2796)	1:46:B:LYS:HG3	1:46:B:LYS:HE2	4	0.2	0.04	0.18
(1,2795)	1:46:A:LYS:HG2	1:46:A:LYS:HE3	4	0.2	0.05	0.18
(1,2795)	1:46:A:LYS:HG3	1:46:A:LYS:HE2	4	0.2	0.05	0.18
(1,3533)	1:50:A:ASP:H	1:46:A:LYS:HD2	4	0.18	0.05	0.17
(1,532)	1:30:B:LYS:HG2	1:34:B:LYS:HB2	4	0.16	0.07	0.14
(1,2635)	1:45:A:ILE:HD12	1:41:A:LEU:HB3	4	0.16	0.06	0.15
(1,2635)	1:45:A:ILE:HD13	1:41:A:LEU:HB2	4	0.16	0.06	0.15
(1,2635)	1:45:A:ILE:HD11	1:41:A:LEU:HB3	4	0.16	0.06	0.15
(1,531)	1:30:A:LYS:HG2	1:34:A:LYS:HB2	4	0.16	0.07	0.14
(1,2636)	1:45:B:ILE:HD12	1:41:B:LEU:HB3	4	0.16	0.06	0.15
(1,2636)	1:45:B:ILE:HD13	1:41:B:LEU:HB2	4	0.16	0.06	0.15
(1,2636)	1:45:B:ILE:HD11	1:41:B:LEU:HB3	4	0.16	0.06	0.15
(1,36)	1:90:B:HIS:H	1:89:B:THR:HB	4	0.15	0.03	0.14
(1,1524)	1:60:B:GLY:H	1:57:B:ILE:HB	4	0.14	0.01	0.14
(1,35)	1:90:A:HIS:H	1:89:A:THR:HB	4	0.14	0.04	0.13
(1,570)	1:91:B:LYS:HD3	1:91:B:LYS:HE2	4	0.14	0.03	0.15
(1,570)	1:91:B:LYS:HD3	1:91:B:LYS:HE3	4	0.14	0.03	0.15
(1,1523)	1:60:A:GLY:H	1:57:A:ILE:HB	4	0.14	0.01	0.14
(1,2673)	1:84:A:ALA:HB3	1:91:A:LYS:HD3	4	0.14	0.04	0.12
(1,2673)	1:84:A:ALA:HB2	1:91:A:LYS:HD3	4	0.14	0.04	0.12
(1,2673)	1:84:A:ALA:HB1	1:91:A:LYS:HD3	4	0.14	0.04	0.12
(1,3015)	1:53:A:VAL:HG11	1:46:A:LYS:HE2	4	0.14	0.02	0.14
(1,3015)	1:53:A:VAL:HG12	1:50:A:ASP:HB2	4	0.14	0.02	0.14
(1,3015)	1:53:A:VAL:HG13	1:50:A:ASP:HB2	4	0.14	0.02	0.14
(1,3016)	1:53:B:VAL:HG11	1:46:B:LYS:HE2	4	0.14	0.02	0.14
(1,3016)	1:53:B:VAL:HG12	1:50:B:ASP:HB2	4	0.14	0.02	0.14
(1,3016)	1:53:B:VAL:HG13	1:50:B:ASP:HB2	4	0.14	0.02	0.14
(1,569)	1:91:A:LYS:HD3	1:91:A:LYS:HE2	4	0.14	0.03	0.14
(1,569)	1:91:A:LYS:HD3	1:91:A:LYS:HE3	4	0.14	0.03	0.14
(1,2674)	1:84:B:ALA:HB3	1:91:B:LYS:HD3	4	0.14	0.04	0.12
(1,2674)	1:84:B:ALA:HB2	1:91:B:LYS:HD3	4	0.14	0.04	0.12
(1,2674)	1:84:B:ALA:HB1	1:91:B:LYS:HD3	4	0.14	0.04	0.12
(1,3768)	1:41:B:LEU:H	1:48:B:ILE:HG23	4	0.14	0.02	0.14
(1,3768)	1:41:B:LEU:H	1:48:B:ILE:HG21	4	0.14	0.02	0.14
(1,3768)	1:41:B:LEU:H	1:48:B:ILE:HG22	4	0.14	0.02	0.14
(2,15)	1:39:A:LYS:HB2	1:42:A:ALA:H	4	0.13	0.02	0.14
(2,16)	1:39:B:LYS:HB2	1:42:B:ALA:H	4	0.13	0.02	0.14
(3,115)	1:60:B:GLY:H	1:56:B:GLU:O	4	0.12	0.01	0.11
(3,42)	1:59:A:GLN:N	1:55:A:ASP:O	4	0.11	0.01	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3067)	1:54:A:ILE:HG23	1:54:A:ILE:HA	4	0.11	0.01	0.11
(1,3067)	1:54:A:ILE:HG22	1:54:A:ILE:HA	4	0.11	0.01	0.11
(1,3067)	1:54:A:ILE:HG21	1:54:A:ILE:HA	4	0.11	0.01	0.11
(1,2414)	1:67:B:GLU:HG2	1:29:B:SER:HB3	3	0.9	0.59	0.5
(1,2414)	1:29:B:SER:HB3	1:68:B:GLN:HG2	3	0.9	0.59	0.5
(1,2413)	1:67:A:GLU:HG2	1:29:A:SER:HB3	3	0.89	0.58	0.49
(1,2413)	1:29:A:SER:HB3	1:68:A:GLN:HG2	3	0.89	0.58	0.49
(1,577)	1:89:A:THR:HG21	1:91:A:LYS:HB2	3	0.62	0.34	0.79
(1,577)	1:89:A:THR:HG22	1:91:A:LYS:HB2	3	0.62	0.34	0.79
(1,578)	1:89:B:THR:HG21	1:91:B:LYS:HB2	3	0.62	0.34	0.79
(1,578)	1:89:B:THR:HG22	1:91:B:LYS:HB2	3	0.62	0.34	0.79
(1,3246)	1:46:B:LYS:H	1:90:B:HIS:H	3	0.62	0.05	0.61
(1,3245)	1:46:A:LYS:H	1:90:A:HIS:H	3	0.61	0.06	0.6
(1,3592)	1:80:B:ILE:H	1:91:B:LYS:HD3	3	0.5	0.33	0.33
(2,10)	1:80:B:ILE:H	1:91:B:LYS:HD3	3	0.5	0.33	0.33
(1,3591)	1:80:A:ILE:H	1:91:A:LYS:HD3	3	0.5	0.33	0.32
(2,9)	1:80:A:ILE:H	1:91:A:LYS:HD3	3	0.5	0.33	0.32
(1,382)	1:12:B:VAL:HG23	1:86:A:HIS:HB2	3	0.36	0.09	0.31
(1,382)	1:12:B:VAL:HG22	1:86:A:HIS:HB2	3	0.36	0.09	0.31
(1,381)	1:12:A:VAL:HG23	1:86:B:HIS:HB2	3	0.36	0.09	0.32
(1,381)	1:12:A:VAL:HG22	1:86:B:HIS:HB2	3	0.36	0.09	0.32
(1,1333)	1:50:A:ASP:H	1:47:A:ASN:HB2	3	0.36	0.35	0.12
(1,1334)	1:50:B:ASP:H	1:47:B:ASN:HB2	3	0.35	0.34	0.12
(1,2257)	1:80:A:ILE:HD11	1:78:A:VAL:HA	3	0.32	0.07	0.37
(1,2257)	1:80:A:ILE:HD12	1:91:A:LYS:HE2	3	0.32	0.07	0.37
(1,2257)	1:80:A:ILE:HD13	1:78:A:VAL:HA	3	0.32	0.07	0.37
(1,2258)	1:80:B:ILE:HD11	1:78:B:VAL:HA	3	0.32	0.06	0.36
(1,2258)	1:80:B:ILE:HD12	1:91:B:LYS:HE2	3	0.32	0.06	0.36
(1,2258)	1:80:B:ILE:HD13	1:78:B:VAL:HA	3	0.32	0.06	0.36
(1,2712)	1:30:B:LYS:HB3	1:51:B:LYS:HD2	3	0.31	0.15	0.24
(1,2740)	1:30:B:LYS:HB3	1:51:B:LYS:HD2	3	0.31	0.15	0.24
(1,2711)	1:30:A:LYS:HB3	1:51:A:LYS:HD2	3	0.3	0.15	0.25
(1,2739)	1:30:A:LYS:HB3	1:51:A:LYS:HD2	3	0.3	0.15	0.25
(1,1639)	1:85:A:ALA:H	1:12:B:VAL:HG12	3	0.27	0.04	0.3
(1,1639)	1:85:A:ALA:H	1:12:B:VAL:HG13	3	0.27	0.04	0.3
(1,1639)	1:85:A:ALA:H	1:12:B:VAL:HG11	3	0.27	0.04	0.3
(1,1640)	1:85:B:ALA:H	1:12:A:VAL:HG12	3	0.27	0.05	0.3
(1,1640)	1:85:B:ALA:H	1:12:A:VAL:HG13	3	0.27	0.05	0.3
(1,1640)	1:85:B:ALA:H	1:12:A:VAL:HG11	3	0.27	0.05	0.3
(1,2960)	1:44:B:THR:HG22	1:88:B:HIS:HB3	3	0.25	0.07	0.26
(1,2960)	1:89:B:THR:HG23	1:88:B:HIS:HB2	3	0.25	0.07	0.26
(1,2959)	1:44:A:THR:HG22	1:88:A:HIS:HB3	3	0.25	0.07	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2959)	1:89:A:THR:HG23	1:88:A:HIS:HB2	3	0.25	0.07	0.25
(1,2989)	1:32:A:GLU:HB2	1:33:A:LEU:HD11	3	0.23	0.07	0.19
(1,2989)	1:32:A:GLU:HB2	1:33:A:LEU:HD13	3	0.23	0.07	0.19
(1,2990)	1:32:B:GLU:HB2	1:33:B:LEU:HD11	3	0.23	0.07	0.19
(1,2990)	1:32:B:GLU:HB2	1:33:B:LEU:HD13	3	0.23	0.07	0.19
(1,3554)	1:66:B:ASP:H	1:68:B:GLN:HG3	3	0.21	0.05	0.23
(1,1915)	1:30:A:LYS:HE3	1:55:A:ASP:HA	3	0.21	0.08	0.19
(1,3553)	1:66:A:ASP:H	1:68:A:GLN:HG3	3	0.21	0.04	0.22
(1,1916)	1:30:B:LYS:HE3	1:55:B:ASP:HA	3	0.2	0.08	0.19
(1,2932)	1:45:B:ILE:HG13	1:81:B:ALA:HA	3	0.16	0.04	0.19
(1,2931)	1:45:A:ILE:HG13	1:81:A:ALA:HA	3	0.16	0.04	0.18
(1,3449)	1:92:A:GLU:H	1:90:A:HIS:HB3	3	0.16	0.01	0.15
(1,3450)	1:92:B:GLU:H	1:90:B:HIS:HB3	3	0.16	0.02	0.15
(2,96)	1:83:B:LYS:H	1:79:B:ALA:H	3	0.14	0.01	0.15
(1,1836)	1:62:B:ASP:H	1:73:B:GLU:HB3	3	0.14	0.02	0.13
(1,3803)	1:60:A:GLY:H	1:61:A:LEU:HD23	3	0.14	0.01	0.13
(1,3803)	1:60:A:GLY:H	1:61:A:LEU:HD22	3	0.14	0.01	0.13
(1,3803)	1:60:A:GLY:H	1:61:A:LEU:HD21	3	0.14	0.01	0.13
(2,95)	1:83:A:LYS:H	1:79:A:ALA:H	3	0.14	0.01	0.14
(1,1835)	1:62:A:ASP:H	1:73:A:GLU:HB3	3	0.14	0.02	0.13
(1,3804)	1:60:B:GLY:H	1:61:B:LEU:HD23	3	0.14	0.01	0.13
(1,3804)	1:60:B:GLY:H	1:61:B:LEU:HD22	3	0.14	0.01	0.13
(1,3804)	1:60:B:GLY:H	1:61:B:LEU:HD21	3	0.14	0.01	0.13
(1,5)	1:75:A:ILE:HD12	1:83:B:LYS:HA	3	0.13	0.0	0.13
(1,5)	1:75:A:ILE:HD11	1:83:B:LYS:HA	3	0.13	0.0	0.13
(1,5)	1:75:A:ILE:HD13	1:83:B:LYS:HA	3	0.13	0.0	0.13
(1,6)	1:75:B:ILE:HD12	1:83:A:LYS:HA	3	0.13	0.01	0.14
(1,6)	1:75:B:ILE:HD11	1:83:A:LYS:HA	3	0.13	0.01	0.14
(1,6)	1:75:B:ILE:HD13	1:83:A:LYS:HA	3	0.13	0.01	0.14
(1,3469)	1:70:A:ASP:H	1:62:A:ASP:HB2	3	0.13	0.02	0.12
(1,3472)	1:58:B:PHE:H	1:59:B:GLN:HG3	3	0.13	0.04	0.11
(1,3472)	1:58:B:PHE:H	1:59:B:GLN:HG2	3	0.13	0.04	0.11
(1,3470)	1:70:B:ASP:H	1:62:B:ASP:HB2	3	0.13	0.02	0.12
(1,1959)	1:86:A:HIS:HB3	1:85:A:ALA:HA	3	0.12	0.01	0.12
(1,1960)	1:86:B:HIS:HB3	1:85:B:ALA:HA	3	0.12	0.0	0.12
(3,43)	1:60:A:GLY:H	1:56:A:GLU:O	3	0.11	0.01	0.11
(1,847)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	3	0.11	0.0	0.11
(1,847)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	3	0.11	0.0	0.11
(1,847)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	3	0.11	0.0	0.11
(1,848)	1:78:B:VAL:HG11	1:78:B:VAL:HG21	3	0.11	0.0	0.11
(1,848)	1:78:B:VAL:HG12	1:78:B:VAL:HG22	3	0.11	0.0	0.11
(1,848)	1:78:B:VAL:HG12	1:78:B:VAL:HG21	3	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3068)	1:54:B:ILE:HG23	1:54:B:ILE:HA	3	0.11	0.01	0.11
(1,3068)	1:54:B:ILE:HG21	1:54:B:ILE:HA	3	0.11	0.01	0.11
(1,2489)	1:39:A:LYS:HB2	1:40:A:GLU:HG3	2	1.13	0.01	1.13
(1,2490)	1:39:B:LYS:HB2	1:40:B:GLU:HG3	2	1.13	0.01	1.13
(1,637)	1:91:A:LYS:HB3	1:91:A:LYS:HD3	2	1.08	0.03	1.08
(1,638)	1:91:B:LYS:HB3	1:91:B:LYS:HD3	2	1.08	0.03	1.08
(1,98)	1:75:B:ILE:HD11	1:80:A:ILE:H	2	0.85	0.04	0.85
(1,97)	1:75:A:ILE:HD11	1:80:B:ILE:H	2	0.84	0.04	0.84
(1,1416)	1:41:B:LEU:H	1:40:B:GLU:HB2	2	0.78	0.04	0.78
(1,1415)	1:41:A:LEU:H	1:40:A:GLU:HB2	2	0.78	0.04	0.78
(1,1417)	1:37:A:LEU:H	1:40:A:GLU:HB2	2	0.7	0.18	0.7
(1,1418)	1:37:B:LEU:H	1:40:B:GLU:HB2	2	0.7	0.18	0.7
(1,408)	1:36:B:LEU:HD21	1:40:B:GLU:HB2	2	0.68	0.27	0.68
(1,408)	1:36:B:LEU:HD23	1:40:B:GLU:HB2	2	0.68	0.27	0.68
(1,407)	1:36:A:LEU:HD21	1:40:A:GLU:HB2	2	0.67	0.27	0.67
(1,407)	1:36:A:LEU:HD23	1:40:A:GLU:HB2	2	0.67	0.27	0.67
(1,1457)	1:40:A:GLU:H	1:40:A:GLU:HG3	2	0.66	0.02	0.66
(1,1458)	1:40:B:GLU:H	1:40:B:GLU:HG3	2	0.66	0.02	0.66
(1,1467)	1:68:A:GLN:H	1:68:A:GLN:HG3	2	0.6	0.02	0.6
(1,1468)	1:68:B:GLN:H	1:68:B:GLN:HG3	2	0.6	0.03	0.6
(1,606)	1:83:B:LYS:HD3	1:87:B:TYR:HB3	2	0.48	0.02	0.48
(1,605)	1:83:A:LYS:HD3	1:87:A:TYR:HB3	2	0.48	0.01	0.48
(1,2685)	1:91:A:LYS:HB2	1:90:A:HIS:HB3	2	0.46	0.25	0.46
(1,2686)	1:91:B:LYS:HB2	1:90:B:HIS:HB3	2	0.46	0.26	0.46
(1,363)	1:80:A:ILE:HA	1:91:A:LYS:HE3	2	0.41	0.11	0.41
(1,364)	1:80:B:ILE:HA	1:91:B:LYS:HE3	2	0.41	0.11	0.41
(1,2441)	1:30:A:LYS:HA	1:67:A:GLU:HG2	2	0.39	0.2	0.39
(1,2441)	1:30:A:LYS:HA	1:32:A:GLU:HG3	2	0.39	0.2	0.39
(1,2442)	1:30:B:LYS:HA	1:67:B:GLU:HG2	2	0.39	0.2	0.39
(1,2442)	1:30:B:LYS:HA	1:32:B:GLU:HG3	2	0.39	0.2	0.39
(1,545)	1:46:A:LYS:HD2	1:46:A:LYS:HB3	2	0.32	0.18	0.32
(1,546)	1:46:B:LYS:HD2	1:46:B:LYS:HB3	2	0.32	0.18	0.32
(1,3217)	1:30:A:LYS:HG2	1:30:A:LYS:HE2	2	0.3	0.01	0.3
(1,3218)	1:30:B:LYS:HG2	1:30:B:LYS:HE2	2	0.3	0.01	0.3
(1,683)	1:44:A:THR:HG22	1:85:A:ALA:HA	2	0.25	0.01	0.25
(1,683)	1:44:A:THR:HG21	1:85:A:ALA:HA	2	0.25	0.01	0.25
(1,684)	1:44:B:THR:HG22	1:85:B:ALA:HA	2	0.24	0.01	0.24
(1,684)	1:44:B:THR:HG21	1:85:B:ALA:HA	2	0.24	0.01	0.24
(1,453)	1:36:A:LEU:HA	1:40:A:GLU:HG2	2	0.24	0.0	0.24
(1,454)	1:36:B:LEU:HA	1:40:B:GLU:HG2	2	0.24	0.0	0.24
(1,2294)	1:70:B:ASP:HB3	1:74:B:PHE:HB3	2	0.2	0.1	0.2
(1,2294)	1:70:B:ASP:HB3	1:74:B:PHE:HB2	2	0.2	0.1	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2409)	1:85:A:ALA:HB2	1:9:B:GLU:HG3	2	0.18	0.05	0.18
(1,2409)	1:85:A:ALA:HB3	1:12:B:VAL:HB	2	0.18	0.05	0.18
(1,1797)	1:7:A:HIS:H	1:8:A:LEU:HG	2	0.18	0.0	0.18
(1,1798)	1:7:B:HIS:H	1:8:B:LEU:HG	2	0.18	0.0	0.18
(1,2410)	1:85:B:ALA:HB2	1:9:A:GLU:HG3	2	0.16	0.06	0.16
(1,2410)	1:85:B:ALA:HB3	1:12:A:VAL:HB	2	0.16	0.06	0.16
(1,2631)	1:80:A:ILE:HG22	1:80:A:ILE:HB	2	0.16	0.02	0.16
(1,2631)	1:54:A:ILE:HG23	1:34:A:LYS:HB2	2	0.16	0.02	0.16
(1,2632)	1:80:B:ILE:HG22	1:80:B:ILE:HB	2	0.16	0.02	0.16
(1,2632)	1:54:B:ILE:HG23	1:34:B:LYS:HB2	2	0.16	0.02	0.16
(1,2376)	1:56:B:GLU:HG2	1:56:B:GLU:HA	2	0.16	0.05	0.16
(1,2427)	1:74:A:PHE:HB3	1:71:A:PHE:HB3	2	0.16	0.02	0.16
(2,126)	1:63:B:ALA:H	1:64:B:ASN:HB3	2	0.16	0.05	0.16
(1,2375)	1:56:A:GLU:HG2	1:56:A:GLU:HA	2	0.15	0.04	0.15
(1,2428)	1:74:B:PHE:HB3	1:71:B:PHE:HB3	2	0.15	0.03	0.15
(1,2453)	1:39:A:LYS:HD2	1:39:A:LYS:HB2	2	0.15	0.03	0.15
(1,2454)	1:39:B:LYS:HD2	1:39:B:LYS:HB2	2	0.15	0.03	0.15
(1,2569)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	2	0.15	0.04	0.15
(1,2570)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	2	0.15	0.04	0.15
(1,3471)	1:58:A:PHE:H	1:59:A:GLN:HG2	2	0.15	0.04	0.15
(2,125)	1:63:A:ALA:H	1:64:A:ASN:HB3	2	0.15	0.04	0.15
(1,2999)	1:53:A:VAL:HG11	1:46:A:LYS:HG3	2	0.14	0.03	0.14
(1,3000)	1:53:B:VAL:HG11	1:46:B:LYS:HG3	2	0.14	0.03	0.14
(1,1886)	1:46:B:LYS:HB2	1:90:B:HIS:HA	2	0.14	0.01	0.14
(1,1886)	1:49:B:LYS:HB2	1:47:B:ASN:HA	2	0.14	0.01	0.14
(1,1931)	1:12:A:VAL:HB	1:85:B:ALA:HA	2	0.14	0.04	0.14
(1,1390)	1:86:B:HIS:H	1:86:B:HIS:HB2	2	0.13	0.01	0.13
(1,1885)	1:46:A:LYS:HB2	1:90:A:HIS:HA	2	0.13	0.0	0.13
(1,1885)	1:49:A:LYS:HB2	1:47:A:ASN:HA	2	0.13	0.0	0.13
(1,1389)	1:86:A:HIS:H	1:86:A:HIS:HB2	2	0.12	0.01	0.12
(1,1932)	1:12:B:VAL:HB	1:85:A:ALA:HA	2	0.12	0.01	0.12
(1,547)	1:45:A:ILE:HG13	1:41:A:LEU:HB3	2	0.12	0.01	0.12
(1,548)	1:45:B:ILE:HG13	1:41:B:LEU:HB3	2	0.12	0.01	0.12
(1,1367)	1:52:A:ALA:H	1:50:A:ASP:HB2	2	0.12	0.01	0.12
(1,1368)	1:52:B:ALA:H	1:50:B:ASP:HB2	2	0.12	0.01	0.12
(1,3099)	1:37:A:LEU:HD21	1:37:A:LEU:HG	2	0.12	0.0	0.12
(1,3099)	1:37:A:LEU:HD12	1:37:A:LEU:HG	2	0.12	0.0	0.12
(1,3100)	1:37:B:LEU:HD12	1:37:B:LEU:HG	2	0.12	0.0	0.12
(1,613)	1:75:A:ILE:HG12	1:75:A:ILE:HA	2	0.12	0.02	0.12
(1,614)	1:75:B:ILE:HG12	1:75:B:ILE:HA	2	0.12	0.02	0.12
(1,2349)	1:59:A:GLN:HG2	1:59:A:GLN:HA	2	0.12	0.02	0.12
(1,1525)	1:92:A:GLU:H	1:46:A:LYS:HB3	2	0.12	0.0	0.12

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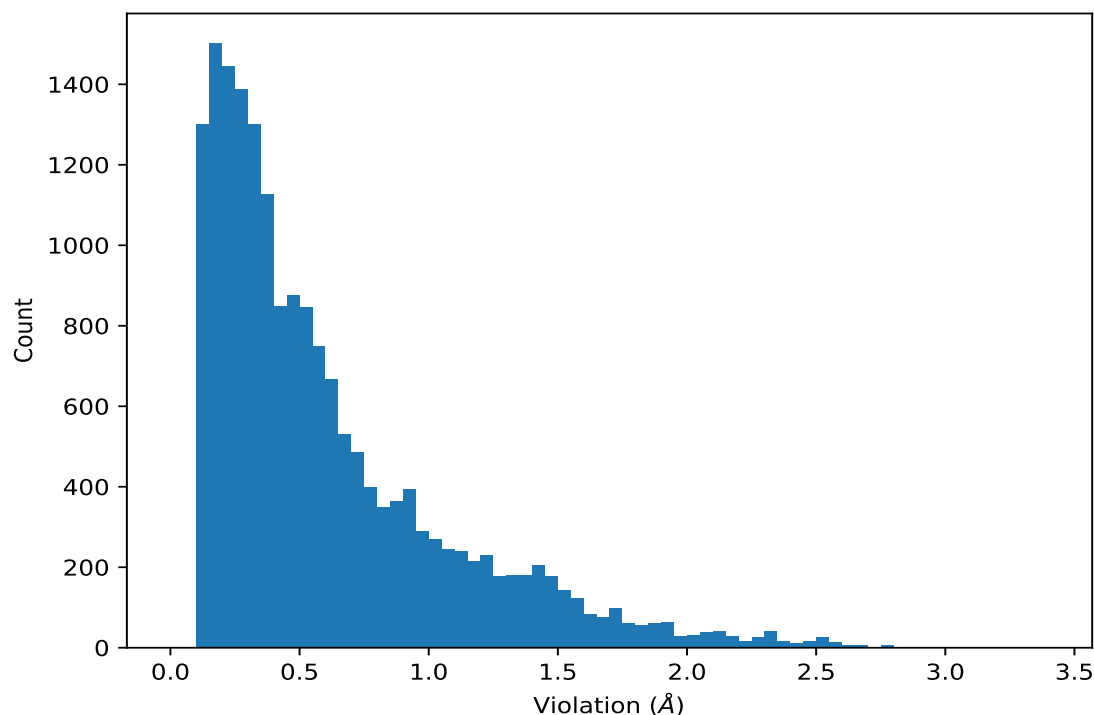
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1526)	1:92:B:GLU:H	1:46:B:LYS:HB3	2	0.12	0.0	0.12
(1,1432)	1:61:B:LEU:H	1:62:B:ASP:HB2	2	0.11	0.0	0.11
(1,2229)	1:49:A:LYS:HG3	1:49:A:LYS:HE2	2	0.11	0.0	0.11
(1,2229)	1:46:A:LYS:HG2	1:46:A:LYS:HE2	2	0.11	0.0	0.11

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

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

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



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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	13	3.4
(1,477)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	13	3.36
(1,2822)	1:89:B:THR:HG21	1:84:B:ALA:HB1	15	3.26
(1,2821)	1:89:A:THR:HG21	1:84:A:ALA:HB1	15	3.26
(1,478)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	14	3.07
(1,477)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	14	3.06
(1,2440)	1:37:B:LEU:HD11	1:35:B:GLN:HB3	11	2.8
(1,2439)	1:37:A:LEU:HD11	1:35:A:GLN:HB3	11	2.8
(1,477)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	12	2.78
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD11	11	2.77
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD11	11	2.77
(1,478)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	12	2.76
(1,478)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	17	2.75
(1,477)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	17	2.75
(1,1722)	1:37:B:LEU:HD13	1:8:A:LEU:HD13	2	2.72
(1,1721)	1:37:A:LEU:HD13	1:8:B:LEU:HD13	2	2.71
(1,1722)	1:37:B:LEU:HD13	1:8:A:LEU:HD12	4	2.69
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD11	10	2.69
(1,1721)	1:37:A:LEU:HD13	1:8:B:LEU:HD12	4	2.68
(1,477)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	7	2.68
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD11	10	2.67
(1,2323)	1:37:A:LEU:HD11	1:30:A:LYS:HE2	8	2.65
(1,1722)	1:37:B:LEU:HD12	1:8:A:LEU:HD11	16	2.65
(1,2324)	1:37:B:LEU:HD11	1:30:B:LYS:HE2	8	2.64
(1,1721)	1:37:A:LEU:HD12	1:8:B:LEU:HD11	16	2.64
(1,478)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	7	2.64
(1,1722)	1:37:B:LEU:HD13	1:8:A:LEU:HD11	13	2.62
(1,1721)	1:37:A:LEU:HD13	1:8:B:LEU:HD11	13	2.6
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD13	2	2.59
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD13	2	2.59
(1,3750)	1:74:B:PHE:H	1:80:B:ILE:HD11	3	2.58
(1,3749)	1:74:A:PHE:H	1:80:A:ILE:HD11	3	2.58
(1,1722)	1:37:B:LEU:HD12	1:8:A:LEU:HD12	15	2.58
(1,1721)	1:37:A:LEU:HD12	1:8:B:LEU:HD12	15	2.58
(1,1722)	1:37:B:LEU:HD13	1:8:A:LEU:HD13	3	2.57
(1,2440)	1:37:B:LEU:HD13	1:35:B:GLN:HB3	9	2.56
(1,2439)	1:37:A:LEU:HD13	1:35:A:GLN:HB3	9	2.56
(1,1721)	1:37:A:LEU:HD13	1:8:B:LEU:HD13	3	2.56
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD13	3	2.55
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD12	6	2.55
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD13	3	2.55
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD12	6	2.55
(1,478)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	20	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3750)	1:74:B:PHE:H	1:57:B:ILE:HG22	15	2.53
(1,3749)	1:74:A:PHE:H	1:57:A:ILE:HG22	15	2.53
(1,1721)	1:37:A:LEU:HD12	1:8:B:LEU:HD12	7	2.53
(1,1721)	1:37:A:LEU:HD12	1:8:B:LEU:HD11	14	2.53
(1,3750)	1:74:B:PHE:H	1:12:B:VAL:HG21	5	2.52
(1,3749)	1:74:A:PHE:H	1:12:A:VAL:HG21	5	2.52
(1,1722)	1:37:B:LEU:HD13	1:8:A:LEU:HD13	1	2.52
(1,1722)	1:37:B:LEU:HD12	1:8:A:LEU:HD12	7	2.52
(1,1722)	1:37:B:LEU:HD12	1:8:A:LEU:HD11	14	2.52
(1,1721)	1:37:A:LEU:HD13	1:8:B:LEU:HD13	1	2.52
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD12	15	2.52
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD12	15	2.52
(1,477)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	20	2.52
(1,3749)	1:74:A:PHE:H	1:57:A:ILE:HG22	13	2.51
(1,1722)	1:37:B:LEU:HD11	1:8:A:LEU:HD13	19	2.51
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD11	8	2.51
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD13	12	2.51
(1,478)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	4	2.51
(1,477)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	4	2.51
(1,3750)	1:74:B:PHE:H	1:57:B:ILE:HG22	13	2.5
(1,1722)	1:37:B:LEU:HD13	1:8:A:LEU:HD11	20	2.5
(1,1721)	1:37:A:LEU:HD11	1:8:B:LEU:HD12	6	2.5
(1,1721)	1:37:A:LEU:HD11	1:8:B:LEU:HD13	19	2.5
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD11	8	2.5
(1,478)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	8	2.5
(1,477)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	8	2.5
(1,3750)	1:74:B:PHE:H	1:57:B:ILE:HG23	19	2.49
(1,3749)	1:74:A:PHE:H	1:57:A:ILE:HG23	19	2.49
(1,1722)	1:37:B:LEU:HD11	1:8:A:LEU:HD12	6	2.49
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD13	12	2.49
(1,3750)	1:74:B:PHE:H	1:12:B:VAL:HG23	6	2.48
(1,3749)	1:74:A:PHE:H	1:12:A:VAL:HG23	6	2.48
(1,1721)	1:37:A:LEU:HD13	1:8:B:LEU:HD11	20	2.48
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD11	14	2.48
(1,3750)	1:74:B:PHE:H	1:57:B:ILE:HG21	11	2.47
(1,3749)	1:74:A:PHE:H	1:57:A:ILE:HG21	11	2.47
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD11	14	2.47
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD11	16	2.47
(1,3750)	1:74:B:PHE:H	1:12:B:VAL:HG22	2	2.46
(1,3749)	1:74:A:PHE:H	1:12:A:VAL:HG22	2	2.46
(1,1721)	1:37:A:LEU:HD11	1:8:B:LEU:HD11	5	2.46
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD11	16	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1722)	1:37:B:LEU:HD11	1:8:A:LEU:HD11	5	2.45
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD11	13	2.42
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD11	5	2.42
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD11	5	2.41
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD13	17	2.41
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD11	13	2.41
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD13	17	2.41
(1,3750)	1:74:B:PHE:H	1:12:B:VAL:HG21	4	2.4
(1,3749)	1:74:A:PHE:H	1:12:A:VAL:HG21	4	2.4
(1,2728)	1:75:B:ILE:HG23	1:61:B:LEU:HB2	20	2.4
(1,2727)	1:75:A:ILE:HG23	1:61:A:LEU:HB2	20	2.4
(1,3750)	1:74:B:PHE:H	1:12:B:VAL:HG22	14	2.39
(1,1722)	1:37:B:LEU:HD11	1:8:A:LEU:HD13	17	2.39
(1,1721)	1:37:A:LEU:HD11	1:8:B:LEU:HD13	17	2.39
(1,3749)	1:74:A:PHE:H	1:12:A:VAL:HG22	14	2.38
(1,2734)	1:51:B:LYS:HD3	1:31:B:GLY:HA3	9	2.38
(1,2733)	1:51:A:LYS:HD3	1:31:A:GLY:HA3	9	2.38
(1,554)	1:75:B:ILE:HD12	1:91:A:LYS:HD3	18	2.38
(1,553)	1:75:A:ILE:HD12	1:91:B:LYS:HD3	18	2.38
(1,2324)	1:37:B:LEU:HD11	1:30:B:LYS:HE2	10	2.36
(1,2323)	1:37:A:LEU:HD11	1:30:A:LYS:HE2	10	2.36
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD12	9	2.36
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD12	9	2.36
(1,2682)	1:83:B:LYS:HB2	1:91:B:LYS:HD3	18	2.35
(1,2681)	1:83:A:LYS:HB2	1:91:A:LYS:HD3	18	2.35
(1,1721)	1:37:A:LEU:HD12	1:8:B:LEU:HD13	12	2.35
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD13	19	2.35
(1,3750)	1:74:B:PHE:H	1:57:B:ILE:HG23	18	2.34
(1,3749)	1:74:A:PHE:H	1:57:A:ILE:HG23	18	2.34
(1,2733)	1:51:A:LYS:HD3	1:31:A:GLY:HA3	7	2.34
(1,2439)	1:37:A:LEU:HD13	1:35:A:GLN:HB3	16	2.34
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD13	19	2.34
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD12	6	2.34
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD13	17	2.34
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD13	17	2.34
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD12	6	2.34
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD13	17	2.34
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD13	17	2.34
(1,1706)	1:8:B:LEU:HD13	1:36:A:LEU:HG	17	2.34
(1,1705)	1:8:A:LEU:HD12	1:36:B:LEU:HG	6	2.34
(1,1705)	1:8:A:LEU:HD13	1:36:B:LEU:HG	17	2.34
(1,3750)	1:74:B:PHE:H	1:12:B:VAL:HG21	12	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3749)	1:74:A:PHE:H	1:12:A:VAL:HG21	12	2.33
(1,2734)	1:51:B:LYS:HD3	1:31:B:GLY:HA3	7	2.33
(1,2728)	1:75:B:ILE:HG22	1:91:A:LYS:HD3	15	2.33
(1,2440)	1:37:B:LEU:HD13	1:35:B:GLN:HB3	16	2.33
(1,1722)	1:37:B:LEU:HD12	1:8:A:LEU:HD13	12	2.33
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD11	20	2.33
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD13	3	2.33
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD12	6	2.33
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD13	3	2.33
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD12	6	2.33
(1,1706)	1:8:B:LEU:HD12	1:36:A:LEU:HG	6	2.33
(1,2728)	1:75:B:ILE:HG23	1:61:B:LEU:HB2	12	2.32
(1,2728)	1:75:B:ILE:HG23	1:61:B:LEU:HB2	18	2.32
(1,2727)	1:75:A:ILE:HG23	1:61:A:LEU:HB2	12	2.32
(1,1722)	1:37:B:LEU:HD11	1:8:A:LEU:HD13	18	2.32
(1,1721)	1:37:A:LEU:HD11	1:8:B:LEU:HD13	18	2.32
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD11	20	2.32
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD13	3	2.32
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD13	3	2.32
(1,2727)	1:75:A:ILE:HG22	1:91:B:LYS:HD3	15	2.31
(1,2727)	1:75:A:ILE:HG23	1:61:A:LEU:HB2	18	2.31
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD11	10	2.31
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD11	10	2.31
(1,1706)	1:8:B:LEU:HD11	1:36:A:LEU:HG	10	2.31
(1,3750)	1:74:B:PHE:H	1:57:B:ILE:HG21	8	2.3
(1,3749)	1:74:A:PHE:H	1:57:A:ILE:HG21	8	2.3
(1,3750)	1:74:B:PHE:H	1:12:B:VAL:HG22	20	2.29
(1,3749)	1:74:A:PHE:H	1:12:A:VAL:HG22	20	2.29
(1,2440)	1:37:B:LEU:HD12	1:35:B:GLN:HB3	17	2.29
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD12	4	2.29
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD12	4	2.29
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD12	7	2.29
(1,3750)	1:74:B:PHE:H	1:57:B:ILE:HG23	16	2.28
(1,3749)	1:74:A:PHE:H	1:57:A:ILE:HG23	16	2.28
(1,2727)	1:75:A:ILE:HG21	1:61:A:LEU:HB2	16	2.28
(1,2439)	1:37:A:LEU:HD12	1:35:A:GLN:HB3	17	2.28
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD12	7	2.28
(1,2728)	1:75:B:ILE:HG21	1:61:B:LEU:HB2	16	2.27
(1,2439)	1:37:A:LEU:HD11	1:35:A:GLN:HB3	3	2.27
(1,478)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	19	2.27
(1,477)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	19	2.27
(1,3750)	1:74:B:PHE:H	1:12:B:VAL:HG21	9	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3749)	1:74:A:PHE:H	1:12:A:VAL:HG21	9	2.26
(1,2440)	1:37:B:LEU:HD11	1:35:B:GLN:HB3	3	2.26
(1,2440)	1:37:B:LEU:HD12	1:35:B:GLN:HG3	13	2.26
(1,2439)	1:37:A:LEU:HD12	1:35:A:GLN:HG3	13	2.26
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD11	10	2.26
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD11	10	2.26
(1,1705)	1:8:A:LEU:HD11	1:36:B:LEU:HG	10	2.26
(1,2728)	1:75:B:ILE:HG23	1:61:B:LEU:HB2	19	2.25
(1,2727)	1:75:A:ILE:HG23	1:61:A:LEU:HB2	19	2.25
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD13	18	2.25
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD13	18	2.25
(1,3750)	1:74:B:PHE:H	1:12:B:VAL:HG23	1	2.22
(1,3749)	1:74:A:PHE:H	1:12:A:VAL:HG23	1	2.22
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD11	11	2.22
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD11	11	2.22
(1,1706)	1:8:B:LEU:HD11	1:36:A:LEU:HG	11	2.22
(1,478)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	1	2.22
(1,477)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	1	2.22
(1,2728)	1:75:B:ILE:HG21	1:91:A:LYS:HD3	14	2.21
(1,2727)	1:75:A:ILE:HG23	1:91:B:LYS:HD3	13	2.21
(1,2727)	1:75:A:ILE:HG21	1:91:B:LYS:HD3	14	2.21
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD11	11	2.21
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD11	11	2.21
(1,1705)	1:8:A:LEU:HD11	1:36:B:LEU:HG	11	2.21
(1,1717)	1:48:A:ILE:HG13	1:8:B:LEU:HD13	1	2.2
(1,477)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	10	2.2
(1,3750)	1:74:B:PHE:H	1:12:B:VAL:HG21	7	2.19
(1,3749)	1:74:A:PHE:H	1:12:A:VAL:HG21	7	2.19
(1,2734)	1:51:B:LYS:HD3	1:31:B:GLY:HA3	14	2.19
(1,1718)	1:48:B:ILE:HG13	1:8:A:LEU:HD13	1	2.19
(1,1086)	1:46:B:LYS:H	1:90:B:HIS:HA	20	2.19
(1,1085)	1:46:A:LYS:H	1:90:A:HIS:HA	20	2.19
(1,829)	1:80:A:ILE:HD13	1:75:B:ILE:HG13	8	2.19
(1,2733)	1:51:A:LYS:HD3	1:31:A:GLY:HA3	14	2.18
(1,2728)	1:75:B:ILE:HG23	1:91:A:LYS:HD3	13	2.18
(1,2728)	1:75:B:ILE:HG22	1:91:A:LYS:HD3	17	2.17
(1,2727)	1:75:A:ILE:HG22	1:91:B:LYS:HD3	17	2.17
(1,1706)	1:8:B:LEU:HD13	1:33:A:LEU:HD12	3	2.17
(1,1705)	1:8:A:LEU:HD13	1:33:B:LEU:HD12	3	2.17
(1,830)	1:80:B:ILE:HD13	1:75:A:ILE:HG13	8	2.17
(1,2728)	1:75:B:ILE:HG23	1:61:B:LEU:HB2	2	2.16
(1,2727)	1:75:A:ILE:HG23	1:61:A:LEU:HB2	2	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2324)	1:37:B:LEU:HD13	1:35:B:GLN:HB2	7	2.16
(1,2323)	1:37:A:LEU:HD13	1:35:A:GLN:HB2	7	2.16
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD13	12	2.16
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD13	12	2.16
(1,1706)	1:8:B:LEU:HD13	1:36:A:LEU:HG	12	2.16
(1,830)	1:80:B:ILE:HD11	1:75:A:ILE:HG13	4	2.16
(1,829)	1:80:A:ILE:HD11	1:75:B:ILE:HG13	10	2.16
(1,830)	1:80:B:ILE:HD13	1:75:A:ILE:HG13	1	2.15
(1,829)	1:80:A:ILE:HD13	1:75:B:ILE:HG13	1	2.15
(1,829)	1:80:A:ILE:HD11	1:75:B:ILE:HG13	4	2.15
(1,829)	1:80:A:ILE:HD12	1:75:B:ILE:HG13	7	2.15
(1,478)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	9	2.15
(1,2439)	1:37:A:LEU:HD11	1:35:A:GLN:HB3	8	2.14
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD13	12	2.14
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD13	12	2.14
(1,1705)	1:8:A:LEU:HD13	1:36:B:LEU:HG	12	2.14
(1,830)	1:80:B:ILE:HD12	1:75:A:ILE:HG13	7	2.14
(1,829)	1:80:A:ILE:HD13	1:75:B:ILE:HG13	12	2.14
(1,2440)	1:37:B:LEU:HD12	1:35:B:GLN:HG3	4	2.13
(1,2440)	1:37:B:LEU:HD11	1:35:B:GLN:HB3	8	2.13
(1,2440)	1:37:B:LEU:HD13	1:35:B:GLN:HG3	14	2.13
(1,2439)	1:37:A:LEU:HD12	1:35:A:GLN:HG3	4	2.13
(1,2439)	1:37:A:LEU:HD13	1:35:A:GLN:HG3	14	2.13
(1,1085)	1:46:A:LYS:H	1:90:A:HIS:HA	17	2.13
(1,830)	1:80:B:ILE:HD11	1:75:A:ILE:HG13	10	2.13
(1,830)	1:80:B:ILE:HD13	1:75:A:ILE:HG13	12	2.13
(1,3227)	1:78:A:VAL:HG11	1:80:A:ILE:HG23	7	2.12
(1,2822)	1:89:B:THR:HG21	1:46:B:LYS:HG2	4	2.12
(1,2821)	1:89:A:THR:HG21	1:46:A:LYS:HG2	4	2.12
(1,1086)	1:46:B:LYS:H	1:90:B:HIS:HA	17	2.12
(1,829)	1:80:A:ILE:HD11	1:75:B:ILE:HG13	6	2.12
(1,829)	1:80:A:ILE:HD12	1:75:B:ILE:HG13	14	2.12
(1,477)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	9	2.12
(1,3228)	1:78:B:VAL:HG11	1:80:B:ILE:HG23	7	2.11
(1,3227)	1:78:A:VAL:HG11	1:80:A:ILE:HG23	19	2.11
(1,2204)	1:52:B:ALA:HB2	1:46:B:LYS:HE3	16	2.11
(1,2203)	1:52:A:ALA:HB2	1:46:A:LYS:HE3	16	2.11
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD11	16	2.11
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD11	16	2.11
(1,1705)	1:8:A:LEU:HD11	1:36:B:LEU:HG	16	2.11
(1,830)	1:80:B:ILE:HD11	1:75:A:ILE:HG13	6	2.11
(1,830)	1:80:B:ILE:HD12	1:75:A:ILE:HG13	11	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,830)	1:80:B:ILE:HD12	1:75:A:ILE:HG13	14	2.11
(1,829)	1:80:A:ILE:HD12	1:75:B:ILE:HG13	11	2.11
(1,478)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	10	2.11
(1,3228)	1:78:B:VAL:HG12	1:80:B:ILE:HG21	18	2.1
(1,3228)	1:78:B:VAL:HG11	1:80:B:ILE:HG23	19	2.1
(1,3227)	1:78:A:VAL:HG13	1:80:A:ILE:HG23	20	2.1
(1,2822)	1:89:B:THR:HG22	1:46:B:LYS:HG2	7	2.1
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG2	19	2.1
(1,830)	1:80:B:ILE:HD12	1:75:A:ILE:HG13	3	2.1
(1,830)	1:80:B:ILE:HD12	1:75:A:ILE:HG13	13	2.1
(1,3228)	1:78:B:VAL:HG13	1:80:B:ILE:HG23	20	2.09
(1,3227)	1:78:A:VAL:HG12	1:80:A:ILE:HG21	18	2.09
(1,2822)	1:89:B:THR:HG21	1:46:B:LYS:HG2	12	2.09
(1,2821)	1:89:A:THR:HG22	1:46:A:LYS:HG2	7	2.09
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG2	19	2.09
(1,829)	1:80:A:ILE:HD12	1:75:B:ILE:HG13	3	2.09
(1,3750)	1:74:B:PHE:H	1:57:B:ILE:HG22	17	2.08
(1,3749)	1:74:A:PHE:H	1:57:A:ILE:HG22	17	2.08
(1,3228)	1:78:B:VAL:HG13	1:80:B:ILE:HG21	11	2.08
(1,3227)	1:78:A:VAL:HG13	1:80:A:ILE:HG21	11	2.08
(1,2821)	1:89:A:THR:HG21	1:46:A:LYS:HG2	12	2.08
(1,2204)	1:84:B:ALA:HB2	1:87:B:TYR:HB3	19	2.08
(1,2203)	1:84:A:ALA:HB2	1:87:A:TYR:HB3	19	2.08
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD12	9	2.08
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD11	16	2.08
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD12	9	2.08
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD11	16	2.08
(1,1706)	1:8:B:LEU:HD11	1:36:A:LEU:HG	16	2.08
(1,1705)	1:8:A:LEU:HD12	1:36:B:LEU:HG	9	2.08
(1,829)	1:80:A:ILE:HD12	1:75:B:ILE:HG13	13	2.08
(1,370)	1:91:B:LYS:HE2	1:90:B:HIS:HB3	2	2.08
(1,369)	1:91:A:LYS:HE2	1:90:A:HIS:HB3	2	2.08
(1,3228)	1:78:B:VAL:HG13	1:80:B:ILE:HG23	15	2.07
(1,1722)	1:37:B:LEU:HD12	1:8:A:LEU:HD12	9	2.07
(1,1721)	1:37:A:LEU:HD12	1:8:B:LEU:HD12	9	2.07
(1,1086)	1:46:B:LYS:H	1:90:B:HIS:HA	15	2.07
(1,3228)	1:78:B:VAL:HG11	1:80:B:ILE:HG22	17	2.06
(1,3227)	1:78:A:VAL:HG13	1:80:A:ILE:HG23	15	2.06
(1,3227)	1:78:A:VAL:HG11	1:80:A:ILE:HG22	17	2.06
(1,2204)	1:52:B:ALA:HB3	1:51:B:LYS:HE2	18	2.06
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD12	9	2.06
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD12	9	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1706)	1:8:B:LEU:HD12	1:36:A:LEU:HG	9	2.06
(1,1085)	1:46:A:LYS:H	1:90:A:HIS:HA	15	2.06
(1,2203)	1:52:A:ALA:HB3	1:51:A:LYS:HE2	18	2.05
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD11	20	2.05
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD11	20	2.05
(1,1705)	1:8:A:LEU:HD11	1:36:B:LEU:HG	20	2.05
(1,830)	1:80:B:ILE:HD12	1:75:A:ILE:HG13	2	2.04
(1,3750)	1:74:B:PHE:H	1:12:B:VAL:HG22	10	2.03
(1,3749)	1:74:A:PHE:H	1:12:A:VAL:HG22	10	2.03
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD11	20	2.03
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD11	20	2.03
(1,1706)	1:8:B:LEU:HD11	1:36:A:LEU:HG	20	2.03
(1,829)	1:80:A:ILE:HD12	1:75:B:ILE:HG13	2	2.03
(1,2324)	1:37:B:LEU:HD13	1:35:B:GLN:HB2	12	2.02
(1,2323)	1:37:A:LEU:HD11	1:35:A:GLN:HB2	1	2.02
(1,2323)	1:37:A:LEU:HD13	1:35:A:GLN:HB2	12	2.02
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD12	15	2.02
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD13	18	2.02
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD12	15	2.02
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD13	18	2.02
(1,1706)	1:8:B:LEU:HD12	1:36:A:LEU:HG	15	2.02
(1,1706)	1:8:B:LEU:HD13	1:36:A:LEU:HG	18	2.02
(1,852)	1:78:B:VAL:HG11	1:80:B:ILE:HD11	15	2.02
(1,851)	1:78:A:VAL:HG11	1:80:A:ILE:HD11	15	2.02
(1,2324)	1:37:B:LEU:HD11	1:35:B:GLN:HB2	1	2.01
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD12	15	2.01
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD13	18	2.01
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD12	15	2.01
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD13	18	2.01
(1,1705)	1:8:A:LEU:HD12	1:36:B:LEU:HG	15	2.01
(1,1705)	1:8:A:LEU:HD13	1:36:B:LEU:HG	18	2.01
(1,1086)	1:46:B:LYS:H	1:90:B:HIS:HA	16	2.01
(1,554)	1:75:B:ILE:HD13	1:91:A:LYS:HD3	12	2.01
(1,2728)	1:75:B:ILE:HG23	1:91:A:LYS:HD3	10	2.0
(1,1085)	1:46:A:LYS:H	1:90:A:HIS:HA	16	2.0
(1,830)	1:80:B:ILE:HD12	1:75:A:ILE:HG13	16	2.0
(1,2822)	1:89:B:THR:HG23	1:46:B:LYS:HG2	11	1.99
(1,2821)	1:89:A:THR:HG23	1:46:A:LYS:HG2	11	1.99
(1,2728)	1:75:B:ILE:HG22	1:91:A:LYS:HD3	7	1.99
(1,829)	1:80:A:ILE:HD12	1:75:B:ILE:HG13	16	1.99
(1,370)	1:91:B:LYS:HE3	1:90:B:HIS:HB3	5	1.99
(1,3228)	1:78:B:VAL:HG12	1:80:B:ILE:HG22	8	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3227)	1:78:A:VAL:HG12	1:80:A:ILE:HG22	8	1.98
(1,2727)	1:75:A:ILE:HG22	1:91:B:LYS:HD3	7	1.98
(1,852)	1:78:B:VAL:HG12	1:80:B:ILE:HD13	1	1.98
(1,852)	1:78:B:VAL:HG13	1:80:B:ILE:HD11	10	1.98
(1,851)	1:78:A:VAL:HG12	1:80:A:ILE:HD13	1	1.98
(1,830)	1:80:B:ILE:HD13	1:75:A:ILE:HG13	17	1.98
(1,830)	1:80:B:ILE:HD12	1:75:A:ILE:HG13	19	1.98
(1,829)	1:80:A:ILE:HD13	1:75:B:ILE:HG13	17	1.98
(1,829)	1:80:A:ILE:HD12	1:75:B:ILE:HG13	19	1.98
(1,553)	1:75:A:ILE:HD13	1:91:B:LYS:HD3	12	1.98
(1,2727)	1:75:A:ILE:HG23	1:91:B:LYS:HD3	10	1.97
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG3	1	1.97
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG3	1	1.97
(1,1721)	1:37:A:LEU:HD13	1:8:B:LEU:HD11	10	1.97
(1,852)	1:78:B:VAL:HG13	1:80:B:ILE:HD12	9	1.97
(1,851)	1:78:A:VAL:HG13	1:80:A:ILE:HD12	9	1.97
(1,851)	1:78:A:VAL:HG13	1:80:A:ILE:HD11	10	1.97
(1,369)	1:91:A:LYS:HE3	1:90:A:HIS:HB3	5	1.97
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE2	10	1.96
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE2	10	1.96
(1,2324)	1:37:B:LEU:HD13	1:35:B:GLN:HB2	15	1.95
(1,2323)	1:37:A:LEU:HD13	1:35:A:GLN:HB2	15	1.95
(1,3228)	1:78:B:VAL:HG11	1:80:B:ILE:HG21	16	1.94
(1,3227)	1:78:A:VAL:HG11	1:80:A:ILE:HG21	16	1.94
(1,2510)	1:83:B:LYS:HE3	1:72:A:GLN:HB3	3	1.94
(1,2323)	1:37:A:LEU:HD12	1:30:A:LYS:HE2	18	1.94
(1,1722)	1:37:B:LEU:HD13	1:8:A:LEU:HD11	10	1.94
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD11	14	1.94
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD11	14	1.94
(1,1705)	1:8:A:LEU:HD11	1:36:B:LEU:HG	14	1.94
(1,852)	1:78:B:VAL:HG11	1:80:B:ILE:HD12	14	1.94
(1,851)	1:78:A:VAL:HG11	1:80:A:ILE:HD12	14	1.94
(1,2734)	1:51:B:LYS:HD3	1:31:B:GLY:HA3	2	1.93
(1,2509)	1:83:A:LYS:HE3	1:72:B:GLN:HB3	3	1.93
(1,2324)	1:37:B:LEU:HD12	1:30:B:LYS:HE2	18	1.93
(1,852)	1:78:B:VAL:HG11	1:80:B:ILE:HD12	5	1.93
(1,851)	1:78:A:VAL:HG11	1:80:A:ILE:HD12	5	1.93
(1,851)	1:78:A:VAL:HG11	1:80:A:ILE:HD12	20	1.93
(1,3041)	1:44:A:THR:HG21	1:12:B:VAL:HG12	15	1.92
(1,2822)	1:89:B:THR:HG23	1:46:B:LYS:HG2	9	1.92
(1,2821)	1:89:A:THR:HG23	1:46:A:LYS:HG2	9	1.92
(1,2733)	1:51:A:LYS:HD3	1:31:A:GLY:HA3	2	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2509)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	15	1.92
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD11	14	1.92
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD11	14	1.92
(1,1706)	1:8:B:LEU:HD11	1:36:A:LEU:HG	14	1.92
(1,852)	1:78:B:VAL:HG11	1:80:B:ILE:HD12	20	1.92
(1,830)	1:80:B:ILE:HD12	1:75:A:ILE:HG13	20	1.92
(1,478)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	3	1.92
(1,3228)	1:78:B:VAL:HG13	1:80:B:ILE:HG23	13	1.91
(1,3227)	1:78:A:VAL:HG11	1:80:A:ILE:HG21	6	1.91
(1,3227)	1:78:A:VAL:HG13	1:80:A:ILE:HG23	13	1.91
(1,2510)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	15	1.91
(1,2324)	1:37:B:LEU:HD11	1:35:B:GLN:HB2	20	1.91
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD12	7	1.91
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD12	7	1.91
(1,1706)	1:8:B:LEU:HD12	1:36:A:LEU:HG	7	1.91
(1,852)	1:78:B:VAL:HG13	1:80:B:ILE:HD12	3	1.91
(1,852)	1:78:B:VAL:HG13	1:80:B:ILE:HD13	18	1.91
(1,851)	1:78:A:VAL:HG13	1:80:A:ILE:HD12	3	1.91
(1,829)	1:80:A:ILE:HD12	1:75:B:ILE:HG13	20	1.91
(1,477)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	3	1.91
(1,3258)	1:7:B:HIS:H	1:12:B:VAL:H	9	1.9
(1,3257)	1:7:A:HIS:H	1:12:A:VAL:H	9	1.9
(1,3228)	1:78:B:VAL:HG11	1:80:B:ILE:HG21	6	1.9
(1,3042)	1:44:B:THR:HG21	1:12:A:VAL:HG12	15	1.9
(1,2324)	1:37:B:LEU:HD12	1:35:B:GLN:HB2	5	1.9
(1,2323)	1:37:A:LEU:HD11	1:35:A:GLN:HB2	20	1.9
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD13	2	1.9
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD13	2	1.9
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD11	8	1.9
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD13	2	1.9
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD13	2	1.9
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD11	8	1.9
(1,1706)	1:8:B:LEU:HD13	1:36:A:LEU:HG	2	1.9
(1,1706)	1:8:B:LEU:HD11	1:36:A:LEU:HG	8	1.9
(1,1705)	1:8:A:LEU:HD13	1:36:B:LEU:HG	2	1.9
(1,852)	1:78:B:VAL:HG12	1:80:B:ILE:HD12	7	1.9
(1,852)	1:78:B:VAL:HG12	1:80:B:ILE:HD12	16	1.9
(1,851)	1:78:A:VAL:HG12	1:80:A:ILE:HD11	6	1.9
(1,851)	1:78:A:VAL:HG12	1:80:A:ILE:HD12	7	1.9
(1,851)	1:78:A:VAL:HG12	1:80:A:ILE:HD12	16	1.9
(1,851)	1:78:A:VAL:HG13	1:80:A:ILE:HD13	18	1.9
(1,830)	1:80:B:ILE:HD11	1:75:A:ILE:HG13	15	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:80:A:ILE:HD11	1:75:B:ILE:HG13	15	1.9
(1,3228)	1:78:B:VAL:HG12	1:80:B:ILE:HG21	2	1.89
(1,3227)	1:78:A:VAL:HG12	1:80:A:ILE:HG21	2	1.89
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG2	5	1.89
(1,2440)	1:37:B:LEU:HD11	1:35:B:GLN:HB3	10	1.89
(1,2439)	1:37:A:LEU:HD11	1:35:A:GLN:HB3	10	1.89
(1,2324)	1:37:B:LEU:HD12	1:35:B:GLN:HB2	2	1.89
(1,2323)	1:37:A:LEU:HD12	1:35:A:GLN:HB2	5	1.89
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD11	8	1.89
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD11	8	1.89
(1,1705)	1:8:A:LEU:HD11	1:36:B:LEU:HG	8	1.89
(1,852)	1:78:B:VAL:HG13	1:80:B:ILE:HD11	4	1.89
(1,852)	1:78:B:VAL:HG12	1:80:B:ILE:HD11	6	1.89
(1,852)	1:78:B:VAL:HG12	1:80:B:ILE:HD13	12	1.89
(1,851)	1:78:A:VAL:HG13	1:80:A:ILE:HD11	4	1.89
(1,851)	1:78:A:VAL:HG12	1:80:A:ILE:HD13	12	1.89
(1,830)	1:80:B:ILE:HD13	1:75:A:ILE:HG13	18	1.89
(1,829)	1:80:A:ILE:HD13	1:75:B:ILE:HG13	18	1.89
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG2	5	1.88
(1,2323)	1:37:A:LEU:HD12	1:35:A:GLN:HB2	2	1.88
(1,1840)	1:62:B:ASP:H	1:80:B:ILE:HD12	17	1.88
(1,1839)	1:62:A:ASP:H	1:80:A:ILE:HD12	17	1.88
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD12	7	1.88
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD12	7	1.88
(1,1705)	1:8:A:LEU:HD12	1:36:B:LEU:HG	7	1.88
(1,852)	1:78:B:VAL:HG12	1:80:B:ILE:HD12	19	1.88
(1,851)	1:78:A:VAL:HG12	1:80:A:ILE:HD13	17	1.88
(1,851)	1:78:A:VAL:HG12	1:80:A:ILE:HD12	19	1.88
(1,3228)	1:78:B:VAL:HG13	1:80:B:ILE:HG22	14	1.87
(1,3227)	1:78:A:VAL:HG13	1:80:A:ILE:HG22	14	1.87
(1,1840)	1:62:B:ASP:H	1:80:B:ILE:HD12	9	1.87
(1,1840)	1:62:B:ASP:H	1:80:B:ILE:HD11	19	1.87
(1,1840)	1:80:B:ILE:HD11	1:75:B:ILE:H	20	1.87
(1,1839)	1:62:A:ASP:H	1:80:A:ILE:HD12	9	1.87
(1,1839)	1:62:A:ASP:H	1:80:A:ILE:HD11	19	1.87
(1,1839)	1:80:A:ILE:HD11	1:75:A:ILE:H	20	1.87
(1,852)	1:78:B:VAL:HG12	1:80:B:ILE:HD13	17	1.87
(1,370)	1:91:B:LYS:HE2	1:90:B:HIS:HB3	10	1.87
(1,369)	1:91:A:LYS:HE2	1:90:A:HIS:HB3	10	1.87
(1,3228)	1:78:B:VAL:HG12	1:80:B:ILE:HG21	4	1.86
(1,3227)	1:78:A:VAL:HG12	1:80:A:ILE:HG21	4	1.86
(1,2898)	1:39:B:LYS:HG3	1:37:B:LEU:HB2	6	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2897)	1:39:A:LYS:HG3	1:37:A:LEU:HB2	6	1.86
(1,2822)	1:89:B:THR:HG23	1:46:B:LYS:HG2	17	1.86
(1,2821)	1:89:A:THR:HG23	1:46:A:LYS:HG2	17	1.86
(1,2111)	1:80:A:ILE:HD13	1:76:A:SER:HB3	10	1.86
(1,1698)	1:8:B:LEU:HG	1:11:A:ILE:HB	11	1.86
(1,1697)	1:8:A:LEU:HG	1:11:B:ILE:HB	11	1.86
(1,852)	1:78:B:VAL:HG13	1:80:B:ILE:HD12	2	1.86
(1,851)	1:78:A:VAL:HG13	1:80:A:ILE:HD12	2	1.86
(1,2733)	1:51:A:LYS:HD3	1:31:A:GLY:HA3	5	1.85
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG3	7	1.85
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG3	7	1.85
(1,2204)	1:84:B:ALA:HB3	1:87:B:TYR:HB3	17	1.85
(1,2203)	1:84:A:ALA:HB3	1:87:A:TYR:HB3	17	1.85
(1,2112)	1:80:B:ILE:HD13	1:76:B:SER:HB3	10	1.85
(1,1840)	1:80:B:ILE:HD11	1:75:B:ILE:H	11	1.85
(1,1839)	1:80:A:ILE:HD11	1:75:A:ILE:H	11	1.85
(1,852)	1:78:B:VAL:HG13	1:80:B:ILE:HD13	8	1.85
(1,851)	1:78:A:VAL:HG13	1:80:A:ILE:HD13	8	1.85
(1,477)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	15	1.85
(1,3229)	1:75:A:ILE:HD12	1:78:B:VAL:HG13	3	1.84
(1,2734)	1:51:B:LYS:HD3	1:31:B:GLY:HA3	5	1.84
(1,2682)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	10	1.84
(1,2681)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	10	1.84
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE2	17	1.84
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE2	17	1.84
(1,1840)	1:80:B:ILE:HD11	1:75:B:ILE:H	5	1.84
(1,1839)	1:62:A:ASP:H	1:80:A:ILE:HD12	1	1.84
(1,1839)	1:80:A:ILE:HD11	1:75:A:ILE:H	5	1.84
(1,478)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	15	1.84
(1,3258)	1:7:B:HIS:H	1:12:B:VAL:H	18	1.83
(1,3257)	1:7:A:HIS:H	1:12:A:VAL:H	18	1.83
(1,3230)	1:75:B:ILE:HD12	1:78:A:VAL:HG13	3	1.83
(1,2734)	1:51:B:LYS:HD3	1:31:B:GLY:HA3	1	1.83
(1,2733)	1:51:A:LYS:HD3	1:31:A:GLY:HA3	1	1.83
(1,2112)	1:80:B:ILE:HD11	1:76:B:SER:HB3	14	1.83
(1,1840)	1:62:B:ASP:H	1:80:B:ILE:HD12	1	1.83
(1,1840)	1:62:B:ASP:H	1:80:B:ILE:HD11	2	1.83
(1,1839)	1:62:A:ASP:H	1:80:A:ILE:HD11	2	1.83
(1,1839)	1:80:A:ILE:HD13	1:75:A:ILE:H	15	1.83
(1,851)	1:78:A:VAL:HG11	1:80:A:ILE:HD12	13	1.83
(1,3258)	1:7:B:HIS:H	1:12:B:VAL:H	16	1.82
(1,3257)	1:7:A:HIS:H	1:12:A:VAL:H	16	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2916)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	12	1.82
(1,2915)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	12	1.82
(1,2510)	1:83:B:LYS:HE3	1:72:A:GLN:HB3	13	1.82
(1,2405)	1:8:A:LEU:HD12	1:9:A:GLU:HG3	2	1.82
(1,2111)	1:80:A:ILE:HD11	1:76:A:SER:HB3	14	1.82
(1,1840)	1:80:B:ILE:HD12	1:75:B:ILE:H	8	1.82
(1,1840)	1:80:B:ILE:HD13	1:75:B:ILE:H	15	1.82
(1,852)	1:78:B:VAL:HG11	1:80:B:ILE:HD12	13	1.82
(1,3042)	1:44:B:THR:HG23	1:12:A:VAL:HG13	14	1.81
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD23	18	1.81
(1,2734)	1:51:B:LYS:HD3	1:31:B:GLY:HA3	17	1.81
(1,2733)	1:51:A:LYS:HD3	1:31:A:GLY:HA3	17	1.81
(1,2728)	1:75:B:ILE:HG21	1:91:A:LYS:HD3	6	1.81
(1,2727)	1:75:A:ILE:HG21	1:91:B:LYS:HD3	6	1.81
(1,2406)	1:8:B:LEU:HD12	1:9:B:GLU:HG3	2	1.81
(1,2324)	1:37:B:LEU:HD13	1:30:B:LYS:HE3	19	1.81
(1,1840)	1:62:B:ASP:H	1:80:B:ILE:HD11	16	1.81
(1,1839)	1:80:A:ILE:HD12	1:75:A:ILE:H	8	1.81
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD12	4	1.81
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD12	4	1.81
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD12	4	1.81
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD12	4	1.81
(1,1706)	1:8:B:LEU:HD12	1:36:A:LEU:HG	4	1.81
(1,1705)	1:8:A:LEU:HD12	1:36:B:LEU:HG	4	1.81
(1,3257)	1:7:A:HIS:H	1:12:A:VAL:H	2	1.8
(1,3041)	1:44:A:THR:HG23	1:12:B:VAL:HG13	14	1.8
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD23	18	1.8
(1,2509)	1:83:A:LYS:HE3	1:72:B:GLN:HB3	13	1.8
(1,2323)	1:37:A:LEU:HD13	1:30:A:LYS:HE3	19	1.8
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE3	9	1.8
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE3	9	1.8
(1,1840)	1:80:B:ILE:HD11	1:75:B:ILE:H	14	1.8
(1,1839)	1:80:A:ILE:HD11	1:75:A:ILE:H	14	1.8
(1,1839)	1:62:A:ASP:H	1:80:A:ILE:HD11	16	1.8
(1,3258)	1:7:B:HIS:H	1:12:B:VAL:H	2	1.79
(1,3258)	1:7:B:HIS:H	1:12:B:VAL:H	11	1.79
(1,3228)	1:78:B:VAL:HG11	1:80:B:ILE:HG23	1	1.79
(1,3227)	1:78:A:VAL:HG11	1:80:A:ILE:HG23	1	1.79
(1,2522)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	12	1.79
(1,2521)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	12	1.79
(1,2112)	1:80:B:ILE:HD13	1:79:B:ALA:HA	1	1.79
(1,2112)	1:80:B:ILE:HD13	1:79:B:ALA:HA	17	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2111)	1:80:A:ILE:HD13	1:79:A:ALA:HA	1	1.79
(1,2111)	1:80:A:ILE:HD13	1:79:A:ALA:HA	17	1.79
(1,1840)	1:62:B:ASP:H	1:80:B:ILE:HD12	18	1.79
(1,1839)	1:62:A:ASP:H	1:80:A:ILE:HD12	18	1.79
(1,852)	1:78:B:VAL:HG11	1:80:B:ILE:HD12	11	1.79
(1,851)	1:78:A:VAL:HG11	1:80:A:ILE:HD12	11	1.79
(1,3257)	1:7:A:HIS:H	1:12:A:VAL:H	11	1.78
(1,2650)	1:34:B:LYS:HB3	1:32:B:GLU:HB3	13	1.78
(1,2649)	1:34:A:LYS:HB3	1:32:A:GLU:HB3	13	1.78
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD13	19	1.78
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD13	19	1.78
(1,1706)	1:8:B:LEU:HD13	1:36:A:LEU:HG	19	1.78
(1,1086)	1:46:B:LYS:H	1:90:B:HIS:HA	19	1.78
(1,1085)	1:46:A:LYS:H	1:90:A:HIS:HA	19	1.78
(1,3258)	1:7:B:HIS:H	1:12:B:VAL:H	15	1.77
(1,3257)	1:7:A:HIS:H	1:12:A:VAL:H	15	1.77
(1,3176)	1:37:B:LEU:HD13	1:33:B:LEU:HB2	18	1.77
(1,3175)	1:37:A:LEU:HD13	1:33:A:LEU:HB2	18	1.77
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE2	12	1.77
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE2	12	1.77
(1,2112)	1:80:B:ILE:HD12	1:76:B:SER:HB3	9	1.77
(1,2111)	1:80:A:ILE:HD12	1:76:A:SER:HB3	9	1.77
(1,1840)	1:80:B:ILE:HD13	1:75:B:ILE:H	10	1.77
(1,1840)	1:62:B:ASP:H	1:80:B:ILE:HD11	13	1.77
(1,1839)	1:80:A:ILE:HD13	1:75:A:ILE:H	10	1.77
(1,1839)	1:62:A:ASP:H	1:80:A:ILE:HD11	13	1.77
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD13	19	1.77
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD13	19	1.77
(1,1705)	1:8:A:LEU:HD13	1:36:B:LEU:HG	19	1.77
(1,3258)	1:7:B:HIS:H	1:12:B:VAL:H	4	1.76
(1,3258)	1:7:B:HIS:H	1:12:B:VAL:H	5	1.76
(1,3257)	1:7:A:HIS:H	1:12:A:VAL:H	4	1.76
(1,3228)	1:78:B:VAL:HG11	1:80:B:ILE:HG23	12	1.76
(1,3227)	1:78:A:VAL:HG11	1:80:A:ILE:HG23	12	1.76
(1,2822)	1:89:B:THR:HG22	1:46:B:LYS:HG2	5	1.76
(1,2821)	1:89:A:THR:HG22	1:46:A:LYS:HG2	5	1.76
(1,2405)	1:8:A:LEU:HD12	1:12:A:VAL:HB	16	1.76
(1,3257)	1:7:A:HIS:H	1:12:A:VAL:H	5	1.75
(1,3228)	1:78:B:VAL:HG13	1:80:B:ILE:HG23	5	1.75
(1,3227)	1:78:A:VAL:HG13	1:80:A:ILE:HG23	5	1.75
(1,3176)	1:37:B:LEU:HD13	1:33:B:LEU:HB2	17	1.75
(1,3175)	1:37:A:LEU:HD13	1:33:A:LEU:HB2	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3175)	1:37:A:LEU:HD13	1:33:A:LEU:HB2	17	1.75
(1,2898)	1:39:B:LYS:HG3	1:37:B:LEU:HB2	12	1.75
(1,2897)	1:39:A:LYS:HG3	1:37:A:LEU:HB2	12	1.75
(1,2822)	1:89:B:THR:HG23	1:46:B:LYS:HG2	3	1.75
(1,2821)	1:89:A:THR:HG23	1:46:A:LYS:HG2	3	1.75
(1,2406)	1:8:B:LEU:HD12	1:12:B:VAL:HB	16	1.75
(1,2324)	1:37:B:LEU:HD13	1:35:B:GLN:HB2	9	1.75
(1,2323)	1:37:A:LEU:HD13	1:35:A:GLN:HB2	9	1.75
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE2	3	1.75
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE2	3	1.75
(1,3258)	1:7:B:HIS:H	1:12:B:VAL:H	12	1.74
(1,3257)	1:7:A:HIS:H	1:12:A:VAL:H	12	1.74
(1,3176)	1:37:B:LEU:HD13	1:33:B:LEU:HB2	5	1.74
(1,3176)	1:37:B:LEU:HD13	1:33:B:LEU:HB2	6	1.74
(1,3176)	1:37:B:LEU:HD11	1:33:B:LEU:HB2	12	1.74
(1,3176)	1:37:B:LEU:HD13	1:33:B:LEU:HB2	15	1.74
(1,3175)	1:37:A:LEU:HD13	1:33:A:LEU:HB2	6	1.74
(1,3175)	1:37:A:LEU:HD11	1:33:A:LEU:HB2	12	1.74
(1,3175)	1:37:A:LEU:HD13	1:33:A:LEU:HB2	15	1.74
(1,2916)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	3	1.74
(1,2915)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	3	1.74
(1,2203)	1:52:A:ALA:HB1	1:46:A:LYS:HE3	20	1.74
(1,1722)	1:37:B:LEU:HD13	1:8:A:LEU:HD11	11	1.74
(1,1721)	1:37:A:LEU:HD13	1:8:B:LEU:HD11	11	1.74
(1,3228)	1:78:B:VAL:HG12	1:80:B:ILE:HG23	10	1.73
(1,3227)	1:78:A:VAL:HG12	1:80:A:ILE:HG23	10	1.73
(1,3176)	1:37:B:LEU:HD11	1:33:B:LEU:HB2	16	1.73
(1,3175)	1:37:A:LEU:HD11	1:33:A:LEU:HB2	16	1.73
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG2	12	1.73
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG2	12	1.73
(1,2414)	1:29:B:SER:HB3	1:68:B:GLN:HG2	10	1.73
(1,2406)	1:8:B:LEU:HD13	1:9:B:GLU:HG3	14	1.73
(1,2405)	1:8:A:LEU:HD13	1:9:A:GLU:HG3	14	1.73
(1,2204)	1:52:B:ALA:HB1	1:46:B:LYS:HE3	20	1.73
(1,1721)	1:37:A:LEU:HD13	1:8:B:LEU:HD11	8	1.73
(1,396)	1:50:B:ASP:HB3	1:47:B:ASN:HB2	8	1.73
(1,370)	1:91:B:LYS:HE3	1:90:B:HIS:HB3	1	1.73
(1,369)	1:91:A:LYS:HE3	1:90:A:HIS:HB3	1	1.73
(2,135)	1:18:A:TYR:H	1:32:A:GLU:HB2	1	1.72
(1,3258)	1:7:B:HIS:H	1:12:B:VAL:H	6	1.72
(1,3258)	1:7:B:HIS:H	1:12:B:VAL:H	13	1.72
(1,3257)	1:7:A:HIS:H	1:12:A:VAL:H	6	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3257)	1:7:A:HIS:H	1:12:A:VAL:H	8	1.72
(1,3257)	1:7:A:HIS:H	1:12:A:VAL:H	13	1.72
(1,3176)	1:37:B:LEU:HD11	1:33:B:LEU:HB2	1	1.72
(1,3176)	1:37:B:LEU:HD12	1:33:B:LEU:HB2	3	1.72
(1,3176)	1:37:B:LEU:HD11	1:33:B:LEU:HB2	9	1.72
(1,3176)	1:37:B:LEU:HD13	1:33:B:LEU:HB2	19	1.72
(1,3175)	1:37:A:LEU:HD12	1:33:A:LEU:HB2	3	1.72
(1,3175)	1:37:A:LEU:HD11	1:33:A:LEU:HB2	9	1.72
(1,3175)	1:37:A:LEU:HD13	1:33:A:LEU:HB2	19	1.72
(1,3042)	1:44:B:THR:HG21	1:12:A:VAL:HG12	19	1.72
(1,2734)	1:51:B:LYS:HD3	1:31:B:GLY:HA3	16	1.72
(1,2733)	1:51:A:LYS:HD3	1:31:A:GLY:HA3	16	1.72
(1,2413)	1:29:A:SER:HB3	1:68:A:GLN:HG2	10	1.72
(1,2204)	1:84:B:ALA:HB1	1:87:B:TYR:HB3	4	1.72
(1,2204)	1:84:B:ALA:HB1	1:87:B:TYR:HB3	9	1.72
(1,2203)	1:84:A:ALA:HB1	1:87:A:TYR:HB3	4	1.72
(1,2203)	1:84:A:ALA:HB1	1:87:A:TYR:HB3	9	1.72
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE3	4	1.72
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE3	4	1.72
(1,1840)	1:80:B:ILE:HD13	1:75:B:ILE:H	6	1.72
(1,1840)	1:62:B:ASP:H	1:80:B:ILE:HD11	7	1.72
(1,1839)	1:80:A:ILE:HD13	1:75:A:ILE:H	6	1.72
(1,1839)	1:62:A:ASP:H	1:80:A:ILE:HD11	7	1.72
(1,395)	1:50:A:ASP:HB3	1:47:A:ASN:HB2	8	1.72
(2,136)	1:18:B:TYR:H	1:32:B:GLU:HB2	1	1.71
(2,136)	1:18:B:TYR:H	1:32:B:GLU:HB2	16	1.71
(2,135)	1:18:A:TYR:H	1:32:A:GLU:HB2	16	1.71
(1,3815)	1:33:A:LEU:H	1:54:A:ILE:HG21	10	1.71
(1,3258)	1:7:B:HIS:H	1:12:B:VAL:H	8	1.71
(1,3258)	1:7:B:HIS:H	1:12:B:VAL:H	10	1.71
(1,3257)	1:7:A:HIS:H	1:12:A:VAL:H	10	1.71
(1,3214)	1:91:B:LYS:HD2	1:45:B:ILE:HD13	14	1.71
(1,3213)	1:91:A:LYS:HD2	1:45:A:ILE:HD13	14	1.71
(1,3176)	1:37:B:LEU:HD12	1:33:B:LEU:HB2	2	1.71
(1,3176)	1:37:B:LEU:HD12	1:33:B:LEU:HB2	13	1.71
(1,3176)	1:37:B:LEU:HD13	1:33:B:LEU:HB2	14	1.71
(1,3175)	1:37:A:LEU:HD11	1:33:A:LEU:HB2	1	1.71
(1,3175)	1:37:A:LEU:HD12	1:33:A:LEU:HB2	2	1.71
(1,3175)	1:37:A:LEU:HD13	1:33:A:LEU:HB2	14	1.71
(1,3042)	1:44:B:THR:HG22	1:12:A:VAL:HG12	20	1.71
(1,3041)	1:44:A:THR:HG23	1:12:B:VAL:HG13	12	1.71
(1,3041)	1:44:A:THR:HG21	1:12:B:VAL:HG12	19	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2522)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	3	1.71
(1,2521)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	3	1.71
(1,1840)	1:62:B:ASP:H	1:80:B:ILE:HD13	4	1.71
(1,1839)	1:62:A:ASP:H	1:80:A:ILE:HD13	4	1.71
(1,1722)	1:37:B:LEU:HD13	1:8:A:LEU:HD11	8	1.71
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD13	1	1.71
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD13	1	1.71
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD13	1	1.71
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD13	1	1.71
(1,1706)	1:8:B:LEU:HD13	1:36:A:LEU:HG	1	1.71
(1,1705)	1:8:A:LEU:HD13	1:36:B:LEU:HG	1	1.71
(2,136)	1:18:B:TYR:H	1:32:B:GLU:HB2	15	1.7
(2,135)	1:18:A:TYR:H	1:32:A:GLU:HB2	15	1.7
(1,3816)	1:33:B:LEU:H	1:54:B:ILE:HG21	10	1.7
(1,3816)	1:33:B:LEU:H	1:37:B:LEU:HD12	17	1.7
(1,3815)	1:33:A:LEU:H	1:37:A:LEU:HD12	17	1.7
(1,3176)	1:37:B:LEU:HD12	1:33:B:LEU:HB2	4	1.7
(1,3175)	1:37:A:LEU:HD12	1:33:A:LEU:HB2	4	1.7
(1,3175)	1:37:A:LEU:HD12	1:33:A:LEU:HB2	13	1.7
(1,2916)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	7	1.7
(1,2509)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	18	1.7
(1,2204)	1:84:B:ALA:HB1	1:87:B:TYR:HB3	5	1.7
(1,2203)	1:84:A:ALA:HB1	1:87:A:TYR:HB3	5	1.7
(1,3258)	1:7:B:HIS:H	1:12:B:VAL:H	19	1.69
(1,3258)	1:7:B:HIS:H	1:12:B:VAL:H	20	1.69
(1,3257)	1:7:A:HIS:H	1:12:A:VAL:H	19	1.69
(1,3257)	1:7:A:HIS:H	1:12:A:VAL:H	20	1.69
(1,3176)	1:37:B:LEU:HD11	1:33:B:LEU:HB2	7	1.69
(1,3176)	1:37:B:LEU:HD12	1:33:B:LEU:HB2	10	1.69
(1,3175)	1:37:A:LEU:HD11	1:33:A:LEU:HB2	7	1.69
(1,3175)	1:37:A:LEU:HD12	1:33:A:LEU:HB2	10	1.69
(1,2916)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	13	1.69
(1,2915)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	7	1.69
(1,2915)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	13	1.69
(1,2906)	1:53:B:VAL:HG22	1:54:B:ILE:HD11	4	1.69
(1,2905)	1:53:A:VAL:HG22	1:54:A:ILE:HD11	4	1.69
(1,2510)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	18	1.69
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE2	13	1.69
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE2	13	1.69
(1,2112)	1:80:B:ILE:HD13	1:76:B:SER:HB3	15	1.69
(1,2111)	1:80:A:ILE:HD13	1:76:A:SER:HB3	15	1.69
(1,1840)	1:62:B:ASP:H	1:80:B:ILE:HD12	12	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1839)	1:62:A:ASP:H	1:80:A:ILE:HD12	12	1.69
(1,3042)	1:44:B:THR:HG23	1:12:A:VAL:HG13	12	1.68
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD23	3	1.68
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD23	3	1.68
(1,2905)	1:53:A:VAL:HG22	1:54:A:ILE:HD13	18	1.68
(1,2898)	1:39:B:LYS:HG3	1:37:B:LEU:HB2	1	1.68
(1,2898)	1:39:B:LYS:HG3	1:37:B:LEU:HB2	5	1.68
(1,2897)	1:39:A:LYS:HG3	1:37:A:LEU:HB2	1	1.68
(1,2897)	1:39:A:LYS:HG3	1:37:A:LEU:HB2	5	1.68
(1,2897)	1:39:A:LYS:HG3	1:37:A:LEU:HB2	15	1.68
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE2	15	1.68
(1,554)	1:75:B:ILE:HD11	1:91:A:LYS:HD3	2	1.68
(1,553)	1:75:A:ILE:HD11	1:91:B:LYS:HD3	2	1.68
(1,370)	1:91:B:LYS:HE3	1:90:B:HIS:HB3	13	1.68
(1,369)	1:91:A:LYS:HE3	1:90:A:HIS:HB3	13	1.68
(1,3176)	1:37:B:LEU:HD11	1:33:B:LEU:HB2	20	1.67
(1,3175)	1:37:A:LEU:HD11	1:33:A:LEU:HB2	20	1.67
(1,3041)	1:44:A:THR:HG22	1:12:B:VAL:HG12	20	1.67
(1,2906)	1:53:B:VAL:HG22	1:54:B:ILE:HD13	18	1.67
(1,2898)	1:39:B:LYS:HG3	1:37:B:LEU:HB2	15	1.67
(1,2522)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	7	1.67
(1,2521)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	7	1.67
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE3	11	1.67
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE2	15	1.67
(1,1864)	1:18:B:TYR:H	1:36:B:LEU:HD21	19	1.67
(1,1863)	1:18:A:TYR:H	1:36:A:LEU:HD21	19	1.67
(1,1840)	1:80:B:ILE:HD11	1:75:B:ILE:H	3	1.67
(1,1839)	1:80:A:ILE:HD11	1:75:A:ILE:H	3	1.67
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG3	10	1.67
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG3	10	1.67
(1,2898)	1:39:B:LYS:HG3	1:37:B:LEU:HB2	4	1.66
(1,2898)	1:39:B:LYS:HG3	1:37:B:LEU:HB2	10	1.66
(1,2897)	1:39:A:LYS:HG3	1:37:A:LEU:HB2	4	1.66
(1,2897)	1:39:A:LYS:HG3	1:37:A:LEU:HB2	10	1.66
(1,2522)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	13	1.66
(1,2521)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	13	1.66
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE3	11	1.66
(1,2112)	1:80:B:ILE:HD12	1:76:B:SER:HB3	12	1.66
(1,2111)	1:80:A:ILE:HD12	1:76:A:SER:HB3	12	1.66
(1,478)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	5	1.66
(1,477)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	5	1.66
(1,398)	1:12:B:VAL:HA	1:86:A:HIS:HB3	12	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,136)	1:18:B:TYR:H	1:32:B:GLU:HB2	18	1.65
(2,136)	1:18:B:TYR:H	1:32:B:GLU:HB2	19	1.65
(2,135)	1:18:A:TYR:H	1:32:A:GLU:HB2	18	1.65
(2,135)	1:18:A:TYR:H	1:32:A:GLU:HB2	19	1.65
(1,3258)	1:7:B:HIS:H	1:12:B:VAL:H	14	1.65
(1,3257)	1:7:A:HIS:H	1:12:A:VAL:H	14	1.65
(1,3041)	1:44:A:THR:HG22	1:12:B:VAL:HG12	8	1.65
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD22	1	1.65
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD22	1	1.65
(1,2906)	1:53:B:VAL:HG21	1:54:B:ILE:HD11	16	1.65
(1,2905)	1:53:A:VAL:HG21	1:54:A:ILE:HD11	16	1.65
(1,2898)	1:39:B:LYS:HG3	1:37:B:LEU:HB2	3	1.65
(1,2897)	1:39:A:LYS:HG3	1:37:A:LEU:HB2	3	1.65
(1,2405)	1:8:A:LEU:HD13	1:12:A:VAL:HB	7	1.65
(1,397)	1:12:A:VAL:HA	1:86:B:HIS:HB3	12	1.65
(2,136)	1:18:B:TYR:H	1:32:B:GLU:HB2	2	1.64
(2,135)	1:18:A:TYR:H	1:32:A:GLU:HB2	2	1.64
(1,3816)	1:33:B:LEU:H	1:54:B:ILE:HG22	8	1.64
(1,3815)	1:33:A:LEU:H	1:54:A:ILE:HG22	8	1.64
(1,3214)	1:54:B:ILE:HG12	1:45:B:ILE:HD11	15	1.64
(1,3042)	1:44:B:THR:HG22	1:12:A:VAL:HG12	8	1.64
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD23	20	1.64
(1,2898)	1:39:B:LYS:HG3	1:37:B:LEU:HB2	14	1.64
(1,2897)	1:39:A:LYS:HG3	1:37:A:LEU:HB2	14	1.64
(1,2733)	1:51:A:LYS:HD3	1:31:A:GLY:HA3	19	1.64
(1,2406)	1:8:B:LEU:HD13	1:12:B:VAL:HB	7	1.64
(1,2323)	1:37:A:LEU:HD11	1:30:A:LYS:HE3	11	1.64
(1,398)	1:12:B:VAL:HA	1:86:A:HIS:HB3	15	1.64
(1,397)	1:12:A:VAL:HA	1:86:B:HIS:HB3	15	1.64
(1,3228)	1:78:B:VAL:HG12	1:80:B:ILE:HG21	3	1.63
(1,3227)	1:78:A:VAL:HG12	1:80:A:ILE:HG21	3	1.63
(1,3213)	1:54:A:ILE:HG12	1:45:A:ILE:HD11	15	1.63
(1,3176)	1:37:B:LEU:HD12	1:33:B:LEU:HB2	11	1.63
(1,3175)	1:37:A:LEU:HD12	1:33:A:LEU:HB2	11	1.63
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD21	4	1.63
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD21	4	1.63
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD23	20	1.63
(1,2898)	1:39:B:LYS:HG3	1:37:B:LEU:HB2	7	1.63
(1,2897)	1:39:A:LYS:HG3	1:37:A:LEU:HB2	7	1.63
(1,2734)	1:51:B:LYS:HD3	1:31:B:GLY:HA3	19	1.63
(1,2733)	1:51:A:LYS:HD3	1:31:A:GLY:HA3	13	1.63
(1,2324)	1:37:B:LEU:HD11	1:30:B:LYS:HE3	11	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2112)	1:80:B:ILE:HD13	1:76:B:SER:HB3	6	1.63
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD11	5	1.63
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD11	5	1.63
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD11	5	1.63
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD11	5	1.63
(1,1706)	1:8:B:LEU:HD11	1:36:A:LEU:HG	5	1.63
(1,1705)	1:8:A:LEU:HD11	1:36:B:LEU:HG	5	1.63
(1,3816)	1:33:B:LEU:H	1:36:B:LEU:HD12	9	1.62
(1,3815)	1:33:A:LEU:H	1:36:A:LEU:HD12	9	1.62
(1,3258)	1:7:B:HIS:H	1:12:B:VAL:H	7	1.62
(1,3257)	1:7:A:HIS:H	1:12:A:VAL:H	7	1.62
(1,2842)	1:55:B:ASP:HB2	1:51:B:LYS:HG3	10	1.62
(1,2734)	1:51:B:LYS:HD3	1:31:B:GLY:HA3	13	1.62
(1,2608)	1:33:B:LEU:HB2	1:37:B:LEU:HG	17	1.62
(1,2510)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	6	1.62
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG2	15	1.62
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG2	15	1.62
(1,2439)	1:37:A:LEU:HD13	1:35:A:GLN:HB3	7	1.62
(1,1987)	1:30:A:LYS:HD3	1:56:A:GLU:HA	3	1.62
(1,478)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	18	1.62
(1,477)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	18	1.62
(1,3258)	1:7:B:HIS:H	1:12:B:VAL:H	1	1.61
(1,3214)	1:54:B:ILE:HG12	1:45:B:ILE:HD12	4	1.61
(1,3214)	1:54:B:ILE:HG12	1:45:B:ILE:HD13	16	1.61
(1,3213)	1:54:A:ILE:HG12	1:45:A:ILE:HD12	4	1.61
(1,3213)	1:54:A:ILE:HG12	1:45:A:ILE:HD13	16	1.61
(1,2906)	1:53:B:VAL:HG22	1:54:B:ILE:HD12	3	1.61
(1,2841)	1:55:A:ASP:HB2	1:51:A:LYS:HG3	10	1.61
(1,2822)	1:89:B:THR:HG23	1:46:B:LYS:HG2	2	1.61
(1,2821)	1:89:A:THR:HG23	1:46:A:LYS:HG2	2	1.61
(1,2607)	1:33:A:LEU:HB2	1:37:A:LEU:HG	17	1.61
(1,2509)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	6	1.61
(1,2440)	1:37:B:LEU:HD13	1:35:B:GLN:HB3	7	1.61
(1,2278)	1:42:B:ALA:HB1	1:43:B:ASN:HB3	7	1.61
(1,2277)	1:42:A:ALA:HB1	1:43:A:ASN:HB3	7	1.61
(1,2111)	1:80:A:ILE:HD13	1:76:A:SER:HB3	6	1.61
(1,1988)	1:30:B:LYS:HD3	1:56:B:GLU:HA	3	1.61
(1,1086)	1:46:B:LYS:H	1:90:B:HIS:HA	18	1.61
(1,1085)	1:46:A:LYS:H	1:90:A:HIS:HA	18	1.61
(1,634)	1:52:B:ALA:HB2	1:50:B:ASP:HB2	16	1.61
(1,633)	1:52:A:ALA:HB2	1:50:A:ASP:HB2	16	1.61
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD13	18	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD13	18	1.6
(1,3580)	1:8:B:LEU:H	1:41:A:LEU:HB3	8	1.6
(1,3257)	1:7:A:HIS:H	1:12:A:VAL:H	1	1.6
(1,2905)	1:53:A:VAL:HG22	1:54:A:ILE:HD12	3	1.6
(1,2608)	1:33:B:LEU:HB2	1:37:B:LEU:HG	2	1.6
(1,2607)	1:33:A:LEU:HB2	1:37:A:LEU:HG	2	1.6
(1,2278)	1:42:B:ALA:HB2	1:43:B:ASN:HB3	5	1.6
(1,2277)	1:42:A:ALA:HB2	1:43:A:ASN:HB3	5	1.6
(1,2204)	1:52:B:ALA:HB3	1:46:B:LYS:HE3	12	1.6
(1,2204)	1:84:B:ALA:HB2	1:87:B:TYR:HB3	14	1.6
(1,2203)	1:52:A:ALA:HB3	1:46:A:LYS:HE3	12	1.6
(1,2203)	1:84:A:ALA:HB2	1:87:A:TYR:HB3	14	1.6
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE2	20	1.6
(1,398)	1:12:B:VAL:HA	1:86:A:HIS:HB3	6	1.6
(1,11)	1:75:A:ILE:HD11	1:83:B:LYS:HB3	20	1.6
(2,140)	1:69:B:VAL:H	1:61:B:LEU:HB3	20	1.59
(2,139)	1:69:A:VAL:H	1:61:A:LEU:HB3	20	1.59
(2,136)	1:18:B:TYR:H	1:32:B:GLU:HB2	3	1.59
(2,135)	1:18:A:TYR:H	1:32:A:GLU:HB2	3	1.59
(1,3816)	1:33:B:LEU:H	1:37:B:LEU:HD13	16	1.59
(1,3815)	1:33:A:LEU:H	1:37:A:LEU:HD13	16	1.59
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD13	18	1.59
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD13	18	1.59
(1,3579)	1:8:A:LEU:H	1:41:B:LEU:HB3	8	1.59
(1,3042)	1:44:B:THR:HG23	1:12:A:VAL:HG11	3	1.59
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG12	4	1.59
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG12	4	1.59
(1,2916)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	19	1.59
(1,2915)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	19	1.59
(1,2906)	1:53:B:VAL:HG23	1:48:B:ILE:HG12	11	1.59
(1,2905)	1:53:A:VAL:HG23	1:48:A:ILE:HG12	11	1.59
(1,2898)	1:39:B:LYS:HG3	1:37:B:LEU:HB2	8	1.59
(1,2898)	1:39:B:LYS:HG3	1:37:B:LEU:HB2	20	1.59
(1,2897)	1:39:A:LYS:HG3	1:37:A:LEU:HB2	8	1.59
(1,2897)	1:39:A:LYS:HG3	1:37:A:LEU:HB2	20	1.59
(1,2822)	1:89:B:THR:HG23	1:46:B:LYS:HG2	1	1.59
(1,2821)	1:89:A:THR:HG23	1:46:A:LYS:HG2	1	1.59
(1,2734)	1:51:B:LYS:HD3	1:31:B:GLY:HA3	4	1.59
(1,2440)	1:37:B:LEU:HD12	1:35:B:GLN:HB3	6	1.59
(1,2439)	1:37:A:LEU:HD12	1:35:A:GLN:HB3	6	1.59
(1,2324)	1:37:B:LEU:HD12	1:30:B:LYS:HE3	6	1.59
(1,2324)	1:37:B:LEU:HD13	1:35:B:GLN:HB2	16	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2323)	1:37:A:LEU:HD12	1:30:A:LYS:HE3	6	1.59
(1,2323)	1:37:A:LEU:HD13	1:35:A:GLN:HB2	16	1.59
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE2	20	1.59
(1,397)	1:12:A:VAL:HA	1:86:B:HIS:HB3	6	1.59
(1,11)	1:75:A:ILE:HD12	1:83:B:LYS:HB3	19	1.59
(1,3816)	1:33:B:LEU:H	1:36:B:LEU:HD11	11	1.58
(1,3815)	1:33:A:LEU:H	1:36:A:LEU:HD11	11	1.58
(1,3041)	1:44:A:THR:HG23	1:12:B:VAL:HG11	3	1.58
(1,2958)	1:32:B:GLU:HB3	1:36:B:LEU:HG	16	1.58
(1,2957)	1:32:A:GLU:HB3	1:36:A:LEU:HG	16	1.58
(1,2916)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	20	1.58
(1,2915)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	20	1.58
(1,2898)	1:39:B:LYS:HG3	1:37:B:LEU:HB2	19	1.58
(1,2897)	1:39:A:LYS:HG3	1:37:A:LEU:HB2	19	1.58
(1,2842)	1:52:B:ALA:HB2	1:55:B:ASP:HB2	8	1.58
(1,2841)	1:52:A:ALA:HB2	1:55:A:ASP:HB2	8	1.58
(1,2734)	1:51:B:LYS:HD3	1:31:B:GLY:HA3	12	1.58
(1,2733)	1:51:A:LYS:HD3	1:31:A:GLY:HA3	4	1.58
(1,2733)	1:51:A:LYS:HD3	1:31:A:GLY:HA3	12	1.58
(1,2406)	1:61:B:LEU:HD22	1:72:B:GLN:HG2	11	1.58
(1,2405)	1:61:A:LEU:HD22	1:72:A:GLN:HG2	11	1.58
(1,634)	1:52:B:ALA:HB3	1:50:B:ASP:HB2	14	1.58
(1,398)	1:12:B:VAL:HA	1:86:A:HIS:HB3	3	1.58
(1,398)	1:12:B:VAL:HA	1:86:A:HIS:HB3	10	1.58
(1,397)	1:12:A:VAL:HA	1:86:B:HIS:HB3	3	1.58
(1,370)	1:91:B:LYS:HE3	1:90:B:HIS:HB3	3	1.58
(1,369)	1:91:A:LYS:HE3	1:90:A:HIS:HB3	3	1.58
(1,12)	1:75:B:ILE:HD12	1:83:A:LYS:HB3	19	1.58
(1,12)	1:75:B:ILE:HD11	1:83:A:LYS:HB3	20	1.58
(1,11)	1:75:A:ILE:HD13	1:83:B:LYS:HB3	16	1.58
(1,3816)	1:33:B:LEU:H	1:37:B:LEU:HD12	18	1.57
(1,3815)	1:33:A:LEU:H	1:37:A:LEU:HD12	18	1.57
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG11	3	1.57
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG11	3	1.57
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD23	6	1.57
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD23	6	1.57
(1,2842)	1:55:B:ASP:HB2	1:51:B:LYS:HG3	3	1.57
(1,2841)	1:55:A:ASP:HB2	1:51:A:LYS:HG3	3	1.57
(1,2821)	1:89:A:THR:HG21	1:46:A:LYS:HG2	16	1.57
(1,2608)	1:33:B:LEU:HB2	1:37:B:LEU:HG	20	1.57
(1,2607)	1:33:A:LEU:HB2	1:37:A:LEU:HG	20	1.57
(1,842)	1:78:B:VAL:HG12	1:36:B:LEU:HD22	9	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	1:78:A:VAL:HG12	1:36:A:LEU:HD22	9	1.57
(1,633)	1:52:A:ALA:HB3	1:50:A:ASP:HB2	14	1.57
(1,12)	1:75:B:ILE:HD11	1:83:A:LYS:HB3	9	1.57
(1,11)	1:75:A:ILE:HD11	1:83:B:LYS:HB3	9	1.57
(2,136)	1:18:B:TYR:H	1:32:B:GLU:HB2	7	1.56
(2,135)	1:18:A:TYR:H	1:32:A:GLU:HB2	7	1.56
(1,3816)	1:33:B:LEU:H	1:37:B:LEU:HD13	7	1.56
(1,3815)	1:33:A:LEU:H	1:37:A:LEU:HD13	7	1.56
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD13	5	1.56
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD13	5	1.56
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD13	5	1.56
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD13	5	1.56
(1,3616)	1:89:B:THR:H	1:91:B:LYS:HB2	12	1.56
(1,3615)	1:89:A:THR:H	1:91:A:LYS:HB2	12	1.56
(1,3042)	1:44:B:THR:HG21	1:12:A:VAL:HG12	16	1.56
(1,2916)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	11	1.56
(1,2915)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	11	1.56
(1,2822)	1:89:B:THR:HG21	1:46:B:LYS:HG2	16	1.56
(1,2522)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	19	1.56
(1,2521)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	19	1.56
(1,2204)	1:84:B:ALA:HB1	1:87:B:TYR:HB3	1	1.56
(1,2203)	1:84:A:ALA:HB1	1:87:A:TYR:HB3	1	1.56
(1,2111)	1:80:A:ILE:HD11	1:76:A:SER:HB3	5	1.56
(1,558)	1:91:B:LYS:HD3	1:80:B:ILE:HA	18	1.56
(1,398)	1:12:B:VAL:HA	1:86:A:HIS:HB3	4	1.56
(1,397)	1:12:A:VAL:HA	1:86:B:HIS:HB3	4	1.56
(1,12)	1:75:B:ILE:HD11	1:83:A:LYS:HB3	7	1.56
(1,12)	1:75:B:ILE:HD12	1:83:A:LYS:HB3	14	1.56
(1,12)	1:75:B:ILE:HD13	1:83:A:LYS:HB3	16	1.56
(1,12)	1:75:B:ILE:HD11	1:83:A:LYS:HB3	18	1.56
(1,11)	1:75:A:ILE:HD12	1:83:B:LYS:HB3	14	1.56
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD12	13	1.55
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD12	13	1.55
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD12	13	1.55
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD12	13	1.55
(1,3142)	1:48:B:ILE:HG21	1:49:B:LYS:HB2	10	1.55
(1,3141)	1:48:A:ILE:HG21	1:49:A:LYS:HB2	10	1.55
(1,2608)	1:33:B:LEU:HB2	1:37:B:LEU:HG	5	1.55
(1,2608)	1:33:B:LEU:HB2	1:37:B:LEU:HG	15	1.55
(1,2607)	1:33:A:LEU:HB2	1:37:A:LEU:HG	5	1.55
(1,2607)	1:33:A:LEU:HB2	1:37:A:LEU:HG	15	1.55
(1,2522)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	20	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2521)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	20	1.55
(1,2203)	1:84:A:ALA:HB1	1:87:A:TYR:HB3	2	1.55
(1,2112)	1:80:B:ILE:HD11	1:76:B:SER:HB3	5	1.55
(1,557)	1:91:A:LYS:HD3	1:80:A:ILE:HA	18	1.55
(1,478)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	6	1.55
(1,397)	1:12:A:VAL:HA	1:86:B:HIS:HB3	2	1.55
(1,250)	1:33:B:LEU:HB2	1:34:B:LYS:HA	18	1.55
(1,249)	1:33:A:LEU:HB2	1:34:A:LYS:HA	18	1.55
(1,11)	1:75:A:ILE:HD11	1:83:B:LYS:HB3	7	1.55
(1,11)	1:75:A:ILE:HD12	1:83:B:LYS:HB3	13	1.55
(1,11)	1:75:A:ILE:HD11	1:83:B:LYS:HB3	18	1.55
(2,136)	1:18:B:TYR:H	1:32:B:GLU:HB2	5	1.54
(2,135)	1:18:A:TYR:H	1:32:A:GLU:HB2	5	1.54
(1,3815)	1:33:A:LEU:H	1:37:A:LEU:HD12	6	1.54
(1,2898)	1:39:B:LYS:HG3	1:37:B:LEU:HB2	17	1.54
(1,2897)	1:39:A:LYS:HG3	1:37:A:LEU:HB2	17	1.54
(1,2822)	1:89:B:THR:HG23	1:46:B:LYS:HG2	6	1.54
(1,2821)	1:89:A:THR:HG23	1:46:A:LYS:HG2	6	1.54
(1,2734)	1:51:B:LYS:HD3	1:31:B:GLY:HA3	11	1.54
(1,2733)	1:51:A:LYS:HD3	1:31:A:GLY:HA3	11	1.54
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG2	14	1.54
(1,2406)	1:8:B:LEU:HD11	1:9:B:GLU:HG3	6	1.54
(1,2405)	1:8:A:LEU:HD11	1:9:A:GLU:HG3	6	1.54
(1,2204)	1:84:B:ALA:HB1	1:87:B:TYR:HB3	2	1.54
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE2	7	1.54
(1,1988)	1:30:B:LYS:HD3	1:56:B:GLU:HA	5	1.54
(1,1698)	1:8:B:LEU:HG	1:11:A:ILE:HB	14	1.54
(1,1697)	1:8:A:LEU:HG	1:11:B:ILE:HB	14	1.54
(1,477)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	6	1.54
(1,398)	1:12:B:VAL:HA	1:86:A:HIS:HB3	2	1.54
(1,250)	1:33:B:LEU:HB2	1:34:B:LYS:HA	10	1.54
(1,250)	1:33:B:LEU:HB2	1:34:B:LYS:HA	20	1.54
(1,249)	1:33:A:LEU:HB2	1:34:A:LYS:HA	10	1.54
(1,249)	1:33:A:LEU:HB2	1:34:A:LYS:HA	20	1.54
(2,140)	1:69:B:VAL:H	1:61:B:LEU:HB3	8	1.53
(2,139)	1:69:A:VAL:H	1:61:A:LEU:HB3	8	1.53
(1,3816)	1:33:B:LEU:H	1:37:B:LEU:HD12	6	1.53
(1,3227)	1:78:A:VAL:HG12	1:80:A:ILE:HG23	9	1.53
(1,3042)	1:44:B:THR:HG22	1:12:A:VAL:HG12	2	1.53
(1,3041)	1:44:A:THR:HG22	1:12:B:VAL:HG12	2	1.53
(1,3041)	1:44:A:THR:HG21	1:12:B:VAL:HG12	16	1.53
(1,2906)	1:53:B:VAL:HG23	1:54:B:ILE:HD11	6	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2906)	1:53:B:VAL:HG23	1:54:B:ILE:HD11	14	1.53
(1,2905)	1:53:A:VAL:HG23	1:54:A:ILE:HD11	6	1.53
(1,2905)	1:53:A:VAL:HG23	1:54:A:ILE:HD11	14	1.53
(1,2842)	1:55:B:ASP:HB2	1:51:B:LYS:HG3	11	1.53
(1,2841)	1:55:A:ASP:HB2	1:51:A:LYS:HG3	11	1.53
(1,2804)	1:49:B:LYS:HG2	1:47:B:ASN:HB3	20	1.53
(1,2803)	1:49:A:LYS:HG2	1:47:A:ASN:HB3	20	1.53
(1,2607)	1:33:A:LEU:HB2	1:37:A:LEU:HG	4	1.53
(1,2522)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	11	1.53
(1,2521)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	11	1.53
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG2	14	1.53
(1,2324)	1:37:B:LEU:HD11	1:35:B:GLN:HB2	3	1.53
(1,2323)	1:37:A:LEU:HD11	1:35:A:GLN:HB2	3	1.53
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE2	7	1.53
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE3	18	1.53
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE3	18	1.53
(1,1987)	1:30:A:LYS:HD3	1:56:A:GLU:HA	5	1.53
(1,1698)	1:8:B:LEU:HG	1:40:A:GLU:HG3	1	1.53
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG3	6	1.53
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG3	6	1.53
(1,398)	1:12:B:VAL:HA	1:86:A:HIS:HB3	5	1.53
(1,397)	1:12:A:VAL:HA	1:86:B:HIS:HB3	10	1.53
(1,12)	1:75:B:ILE:HD12	1:83:A:LYS:HB3	13	1.53
(2,140)	1:69:B:VAL:H	1:61:B:LEU:HB3	4	1.52
(2,139)	1:69:A:VAL:H	1:61:A:LEU:HB3	4	1.52
(2,132)	1:12:B:VAL:H	1:86:A:HIS:HB3	15	1.52
(2,131)	1:12:A:VAL:H	1:86:B:HIS:HB3	15	1.52
(1,3816)	1:33:B:LEU:H	1:37:B:LEU:HD13	14	1.52
(1,3815)	1:33:A:LEU:H	1:37:A:LEU:HD13	14	1.52
(1,3228)	1:78:B:VAL:HG12	1:80:B:ILE:HG23	9	1.52
(1,3213)	1:30:A:LYS:HG2	1:54:A:ILE:HG12	13	1.52
(1,2958)	1:34:B:LYS:HB2	1:48:B:ILE:HG13	9	1.52
(1,2957)	1:34:A:LYS:HB2	1:48:A:ILE:HG13	9	1.52
(1,2608)	1:33:B:LEU:HB2	1:37:B:LEU:HG	4	1.52
(1,2592)	1:89:B:THR:HG21	1:83:B:LYS:HB3	1	1.52
(1,2591)	1:89:A:THR:HG21	1:83:A:LYS:HB3	1	1.52
(1,2440)	1:37:B:LEU:HD12	1:35:B:GLN:HB3	18	1.52
(1,2439)	1:37:A:LEU:HD12	1:35:A:GLN:HB3	18	1.52
(1,2204)	1:84:B:ALA:HB1	1:87:B:TYR:HB3	7	1.52
(1,2203)	1:84:A:ALA:HB1	1:87:A:TYR:HB3	7	1.52
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE3	14	1.52
(1,2112)	1:80:B:ILE:HD11	1:76:B:SER:HB3	3	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2111)	1:80:A:ILE:HD11	1:76:A:SER:HB3	3	1.52
(1,1697)	1:8:A:LEU:HG	1:40:B:GLU:HG3	1	1.52
(1,397)	1:12:A:VAL:HA	1:86:B:HIS:HB3	5	1.52
(1,370)	1:91:B:LYS:HE3	1:90:B:HIS:HB3	18	1.52
(1,250)	1:33:B:LEU:HB2	1:34:B:LYS:HA	1	1.52
(1,250)	1:33:B:LEU:HB2	1:34:B:LYS:HA	6	1.52
(1,249)	1:33:A:LEU:HB2	1:34:A:LYS:HA	1	1.52
(1,249)	1:33:A:LEU:HB2	1:34:A:LYS:HA	6	1.52
(1,12)	1:75:B:ILE:HD13	1:83:A:LYS:HB3	15	1.52
(2,136)	1:18:B:TYR:H	1:32:B:GLU:HB2	4	1.51
(2,136)	1:18:B:TYR:H	1:32:B:GLU:HB2	6	1.51
(2,135)	1:18:A:TYR:H	1:32:A:GLU:HB2	4	1.51
(2,135)	1:18:A:TYR:H	1:32:A:GLU:HB2	6	1.51
(1,3214)	1:30:B:LYS:HG2	1:54:B:ILE:HG12	7	1.51
(1,3214)	1:54:B:ILE:HG12	1:45:B:ILE:HD12	9	1.51
(1,3214)	1:30:B:LYS:HG2	1:54:B:ILE:HG12	13	1.51
(1,3213)	1:30:A:LYS:HG2	1:54:A:ILE:HG12	7	1.51
(1,3213)	1:54:A:ILE:HG12	1:45:A:ILE:HD12	9	1.51
(1,3142)	1:48:B:ILE:HG23	1:49:B:LYS:HB3	9	1.51
(1,3141)	1:48:A:ILE:HG21	1:49:A:LYS:HB3	8	1.51
(1,3041)	1:44:A:THR:HG21	1:12:B:VAL:HG13	6	1.51
(1,2916)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	9	1.51
(1,2915)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	9	1.51
(1,2730)	1:75:B:ILE:HD11	1:91:A:LYS:HB2	18	1.51
(1,2608)	1:33:B:LEU:HB2	1:37:B:LEU:HG	12	1.51
(1,2607)	1:33:A:LEU:HB2	1:37:A:LEU:HG	12	1.51
(1,2405)	1:8:A:LEU:HD13	1:9:A:GLU:HG3	8	1.51
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE3	14	1.51
(1,1864)	1:18:B:TYR:H	1:36:B:LEU:HD21	17	1.51
(1,1863)	1:18:A:TYR:H	1:36:A:LEU:HD21	17	1.51
(1,634)	1:52:B:ALA:HB1	1:50:B:ASP:HB2	11	1.51
(1,634)	1:52:B:ALA:HB1	1:50:B:ASP:HB2	17	1.51
(1,633)	1:52:A:ALA:HB1	1:50:A:ASP:HB2	11	1.51
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG3	18	1.51
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG3	18	1.51
(1,369)	1:91:A:LYS:HE3	1:90:A:HIS:HB3	18	1.51
(1,250)	1:33:B:LEU:HB2	1:34:B:LYS:HA	2	1.51
(1,250)	1:33:B:LEU:HB2	1:34:B:LYS:HA	3	1.51
(1,250)	1:33:B:LEU:HB2	1:34:B:LYS:HA	4	1.51
(1,250)	1:33:B:LEU:HB2	1:34:B:LYS:HA	15	1.51
(1,249)	1:33:A:LEU:HB2	1:34:A:LYS:HA	2	1.51
(1,249)	1:33:A:LEU:HB2	1:34:A:LYS:HA	3	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,249)	1:33:A:LEU:HB2	1:34:A:LYS:HA	4	1.51
(1,249)	1:33:A:LEU:HB2	1:34:A:LYS:HA	15	1.51
(1,11)	1:75:A:ILE:HD13	1:83:B:LYS:HB3	15	1.51
(2,140)	1:69:B:VAL:H	1:61:B:LEU:HB3	9	1.5
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD12	1	1.5
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD13	6	1.5
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD12	1	1.5
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD12	1	1.5
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD13	6	1.5
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD12	1	1.5
(1,3142)	1:48:B:ILE:HG21	1:49:B:LYS:HB2	3	1.5
(1,3142)	1:48:B:ILE:HG21	1:49:B:LYS:HB3	8	1.5
(1,3141)	1:48:A:ILE:HG21	1:49:A:LYS:HB2	3	1.5
(1,3141)	1:48:A:ILE:HG23	1:49:A:LYS:HB3	9	1.5
(1,3042)	1:44:B:THR:HG21	1:12:A:VAL:HG13	6	1.5
(1,2906)	1:53:B:VAL:HG22	1:54:B:ILE:HD13	5	1.5
(1,2905)	1:53:A:VAL:HG22	1:54:A:ILE:HD13	5	1.5
(1,2729)	1:75:A:ILE:HD11	1:91:B:LYS:HB2	18	1.5
(1,2608)	1:33:B:LEU:HB2	1:37:B:LEU:HG	6	1.5
(1,2406)	1:8:B:LEU:HD13	1:9:B:GLU:HG3	8	1.5
(1,2324)	1:37:B:LEU:HD12	1:35:B:GLN:HB2	17	1.5
(1,842)	1:78:B:VAL:HG12	1:36:B:LEU:HD21	10	1.5
(1,841)	1:78:A:VAL:HG12	1:36:A:LEU:HD21	10	1.5
(1,633)	1:52:A:ALA:HB1	1:50:A:ASP:HB2	8	1.5
(1,633)	1:52:A:ALA:HB1	1:50:A:ASP:HB2	17	1.5
(1,562)	1:39:B:LYS:HD3	1:35:B:GLN:HG2	9	1.5
(1,561)	1:39:A:LYS:HD3	1:35:A:GLN:HG2	9	1.5
(1,250)	1:33:B:LEU:HB2	1:34:B:LYS:HA	19	1.5
(1,249)	1:33:A:LEU:HB2	1:34:A:LYS:HA	19	1.5
(2,140)	1:69:B:VAL:H	1:61:B:LEU:HB3	3	1.49
(2,140)	1:69:B:VAL:H	1:61:B:LEU:HB3	11	1.49
(2,140)	1:69:B:VAL:H	1:61:B:LEU:HB3	19	1.49
(2,139)	1:69:A:VAL:H	1:61:A:LEU:HB3	3	1.49
(2,139)	1:69:A:VAL:H	1:61:A:LEU:HB3	9	1.49
(2,139)	1:69:A:VAL:H	1:61:A:LEU:HB3	11	1.49
(2,139)	1:69:A:VAL:H	1:61:A:LEU:HB3	19	1.49
(1,3816)	1:33:B:LEU:H	1:37:B:LEU:HD11	3	1.49
(1,3815)	1:33:A:LEU:H	1:37:A:LEU:HD11	3	1.49
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD12	20	1.49
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD13	6	1.49
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD12	20	1.49
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD12	20	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD13	6	1.49
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD12	20	1.49
(1,3142)	1:48:B:ILE:HG21	1:49:B:LYS:HB3	13	1.49
(1,3142)	1:48:B:ILE:HG22	1:49:B:LYS:HB2	17	1.49
(1,3141)	1:48:A:ILE:HG23	1:49:A:LYS:HB2	7	1.49
(1,3141)	1:48:A:ILE:HG21	1:49:A:LYS:HB3	13	1.49
(1,2958)	1:34:B:LYS:HB2	1:48:B:ILE:HG13	11	1.49
(1,2957)	1:34:A:LYS:HB2	1:48:A:ILE:HG13	11	1.49
(1,2854)	1:52:B:ALA:HB1	1:56:B:GLU:HB2	4	1.49
(1,2853)	1:52:A:ALA:HB1	1:56:A:GLU:HB2	4	1.49
(1,2607)	1:33:A:LEU:HB2	1:37:A:LEU:HG	6	1.49
(1,2607)	1:33:A:LEU:HB2	1:37:A:LEU:HG	13	1.49
(1,2510)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	2	1.49
(1,2509)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	2	1.49
(1,2323)	1:37:A:LEU:HD12	1:35:A:GLN:HB2	17	1.49
(1,2277)	1:42:A:ALA:HB3	1:43:A:ASN:HB3	6	1.49
(1,2060)	1:83:B:LYS:HD3	1:81:B:ALA:HA	4	1.49
(1,2059)	1:83:A:LYS:HD3	1:81:A:ALA:HA	4	1.49
(1,634)	1:52:B:ALA:HB1	1:50:B:ASP:HB2	8	1.49
(1,250)	1:33:B:LEU:HB2	1:34:B:LYS:HA	5	1.49
(1,250)	1:33:B:LEU:HB2	1:34:B:LYS:HA	7	1.49
(1,249)	1:33:A:LEU:HB2	1:34:A:LYS:HA	5	1.49
(1,249)	1:33:A:LEU:HB2	1:34:A:LYS:HA	7	1.49
(1,249)	1:33:A:LEU:HB2	1:34:A:LYS:HA	14	1.49
(1,12)	1:75:B:ILE:HD13	1:83:A:LYS:HB3	17	1.49
(1,11)	1:75:A:ILE:HD13	1:83:B:LYS:HB3	17	1.49
(2,140)	1:69:B:VAL:H	1:61:B:LEU:HB3	12	1.48
(2,139)	1:69:A:VAL:H	1:61:A:LEU:HB3	12	1.48
(1,3214)	1:54:B:ILE:HG12	1:45:B:ILE:HD11	20	1.48
(1,3213)	1:54:A:ILE:HG12	1:45:A:ILE:HD11	20	1.48
(1,3142)	1:48:B:ILE:HG23	1:49:B:LYS:HB2	7	1.48
(1,3141)	1:48:A:ILE:HG22	1:49:A:LYS:HB2	17	1.48
(1,3041)	1:44:A:THR:HG21	1:12:B:VAL:HG13	10	1.48
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG12	1	1.48
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG11	9	1.48
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG12	1	1.48
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG11	9	1.48
(1,2964)	1:91:B:LYS:HD3	1:44:B:THR:HG22	17	1.48
(1,2963)	1:91:A:LYS:HD3	1:44:A:THR:HG22	17	1.48
(1,2916)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	16	1.48
(1,2915)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	16	1.48
(1,2906)	1:53:B:VAL:HG23	1:54:B:ILE:HD11	9	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2906)	1:53:B:VAL:HG23	1:54:B:ILE:HD12	19	1.48
(1,2905)	1:53:A:VAL:HG23	1:54:A:ILE:HD12	19	1.48
(1,2608)	1:33:B:LEU:HB2	1:37:B:LEU:HG	13	1.48
(1,2608)	1:33:B:LEU:HB2	1:37:B:LEU:HG	19	1.48
(1,2607)	1:33:A:LEU:HB2	1:37:A:LEU:HG	19	1.48
(1,2522)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	9	1.48
(1,2521)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	9	1.48
(1,2457)	1:37:A:LEU:HG	1:40:A:GLU:HG2	7	1.48
(1,2406)	1:61:B:LEU:HD21	1:72:B:GLN:HG2	20	1.48
(1,2405)	1:61:A:LEU:HD21	1:72:A:GLN:HG2	20	1.48
(1,2278)	1:42:B:ALA:HB3	1:43:B:ASN:HB3	6	1.48
(1,395)	1:50:A:ASP:HB3	1:47:A:ASN:HB2	9	1.48
(1,250)	1:33:B:LEU:HB2	1:34:B:LYS:HA	14	1.48
(1,250)	1:33:B:LEU:HB2	1:34:B:LYS:HA	16	1.48
(1,249)	1:33:A:LEU:HB2	1:34:A:LYS:HA	16	1.48
(2,140)	1:69:B:VAL:H	1:61:B:LEU:HB3	17	1.47
(2,139)	1:69:A:VAL:H	1:61:A:LEU:HB3	17	1.47
(2,136)	1:18:B:TYR:H	1:32:B:GLU:HB2	13	1.47
(2,131)	1:12:A:VAL:H	1:86:B:HIS:HB3	13	1.47
(1,3816)	1:33:B:LEU:H	1:37:B:LEU:HD13	12	1.47
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD13	10	1.47
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD13	10	1.47
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD13	10	1.47
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD13	10	1.47
(1,3214)	1:54:B:ILE:HG12	1:45:B:ILE:HD12	8	1.47
(1,3213)	1:54:A:ILE:HG12	1:45:A:ILE:HD12	8	1.47
(1,2916)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	18	1.47
(1,2915)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	5	1.47
(1,2906)	1:53:B:VAL:HG22	1:54:B:ILE:HD11	2	1.47
(1,2905)	1:53:A:VAL:HG22	1:54:A:ILE:HD11	2	1.47
(1,2905)	1:53:A:VAL:HG23	1:54:A:ILE:HD11	9	1.47
(1,2804)	1:63:B:ALA:HB1	1:64:B:ASN:HB3	15	1.47
(1,2458)	1:37:B:LEU:HG	1:40:B:GLU:HG2	7	1.47
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG2	2	1.47
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE2	1	1.47
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE3	6	1.47
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE3	6	1.47
(1,1698)	1:8:B:LEU:HG	1:40:A:GLU:HG3	5	1.47
(1,633)	1:52:A:ALA:HB2	1:50:A:ASP:HB2	19	1.47
(1,512)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	6	1.47
(1,511)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	6	1.47
(1,396)	1:50:B:ASP:HB3	1:47:B:ASN:HB2	9	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,140)	1:69:B:VAL:H	1:61:B:LEU:HB3	13	1.46
(2,139)	1:69:A:VAL:H	1:61:A:LEU:HB3	13	1.46
(2,135)	1:18:A:TYR:H	1:32:A:GLU:HB2	13	1.46
(2,132)	1:12:B:VAL:H	1:86:A:HIS:HB3	13	1.46
(1,3816)	1:33:B:LEU:H	1:37:B:LEU:HD12	5	1.46
(1,3816)	1:33:B:LEU:H	1:37:B:LEU:HD12	13	1.46
(1,3816)	1:33:B:LEU:H	1:37:B:LEU:HD13	15	1.46
(1,3815)	1:33:A:LEU:H	1:37:A:LEU:HD12	5	1.46
(1,3815)	1:33:A:LEU:H	1:37:A:LEU:HD13	12	1.46
(1,3815)	1:33:A:LEU:H	1:37:A:LEU:HD12	13	1.46
(1,3815)	1:33:A:LEU:H	1:37:A:LEU:HD13	15	1.46
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD13	19	1.46
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD13	19	1.46
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD13	19	1.46
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD13	19	1.46
(1,3230)	1:75:B:ILE:HD12	1:78:A:VAL:HG12	12	1.46
(1,3176)	1:37:B:LEU:HD12	1:33:B:LEU:HB2	8	1.46
(1,3175)	1:37:A:LEU:HD12	1:33:A:LEU:HB2	8	1.46
(1,3142)	1:48:B:ILE:HG23	1:49:B:LYS:HB2	18	1.46
(1,3142)	1:48:B:ILE:HG22	1:49:B:LYS:HB2	19	1.46
(1,3141)	1:48:A:ILE:HG23	1:49:A:LYS:HB2	18	1.46
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG12	19	1.46
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG12	19	1.46
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD21	10	1.46
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD21	10	1.46
(1,2916)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	5	1.46
(1,2915)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	18	1.46
(1,2898)	1:39:B:LYS:HG3	1:37:B:LEU:HB2	11	1.46
(1,2804)	1:49:B:LYS:HG2	1:47:B:ASN:HB3	3	1.46
(1,2803)	1:49:A:LYS:HG2	1:47:A:ASN:HB3	3	1.46
(1,2803)	1:63:A:ALA:HB1	1:64:A:ASN:HB3	15	1.46
(1,2608)	1:33:B:LEU:HB2	1:37:B:LEU:HG	1	1.46
(1,2607)	1:33:A:LEU:HB2	1:37:A:LEU:HG	1	1.46
(1,2607)	1:33:A:LEU:HB2	1:37:A:LEU:HG	14	1.46
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG2	2	1.46
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE2	1	1.46
(1,2060)	1:83:B:LYS:HD3	1:81:B:ALA:HA	1	1.46
(1,1697)	1:8:A:LEU:HG	1:40:B:GLU:HG3	5	1.46
(1,842)	1:78:B:VAL:HG13	1:36:B:LEU:HD22	14	1.46
(1,842)	1:78:B:VAL:HG12	1:36:B:LEU:HD23	18	1.46
(1,841)	1:78:A:VAL:HG13	1:36:A:LEU:HD22	14	1.46
(1,841)	1:78:A:VAL:HG12	1:36:A:LEU:HD23	18	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,634)	1:52:B:ALA:HB2	1:50:B:ASP:HB2	19	1.46
(1,633)	1:52:A:ALA:HB2	1:50:A:ASP:HB2	18	1.46
(1,250)	1:33:B:LEU:HB2	1:34:B:LYS:HA	8	1.46
(1,250)	1:33:B:LEU:HB2	1:34:B:LYS:HA	12	1.46
(1,250)	1:33:B:LEU:HB2	1:34:B:LYS:HA	13	1.46
(1,249)	1:33:A:LEU:HB2	1:34:A:LYS:HA	8	1.46
(1,249)	1:33:A:LEU:HB2	1:34:A:LYS:HA	13	1.46
(1,12)	1:75:B:ILE:HD13	1:83:A:LYS:HB3	6	1.46
(1,11)	1:75:A:ILE:HD13	1:83:B:LYS:HB3	6	1.46
(2,140)	1:69:B:VAL:H	1:61:B:LEU:HB3	5	1.45
(2,139)	1:69:A:VAL:H	1:61:A:LEU:HB3	5	1.45
(1,3229)	1:75:A:ILE:HD12	1:78:B:VAL:HG12	12	1.45
(1,3214)	1:54:B:ILE:HG12	1:45:B:ILE:HD12	19	1.45
(1,3213)	1:54:A:ILE:HG12	1:45:A:ILE:HD12	19	1.45
(1,3141)	1:48:A:ILE:HG22	1:49:A:LYS:HB2	19	1.45
(1,3042)	1:44:B:THR:HG23	1:12:A:VAL:HG13	11	1.45
(1,3041)	1:44:A:THR:HG23	1:12:B:VAL:HG13	11	1.45
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG13	10	1.45
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG13	10	1.45
(1,2906)	1:53:B:VAL:HG22	1:54:B:ILE:HD13	13	1.45
(1,2898)	1:39:B:LYS:HG3	1:37:B:LEU:HB2	13	1.45
(1,2897)	1:39:A:LYS:HG3	1:37:A:LEU:HB2	11	1.45
(1,2897)	1:39:A:LYS:HG3	1:37:A:LEU:HB2	13	1.45
(1,2854)	1:73:B:GLU:HB3	1:77:B:LEU:HB2	18	1.45
(1,2853)	1:73:A:GLU:HB3	1:77:A:LEU:HB2	18	1.45
(1,2608)	1:33:B:LEU:HB2	1:37:B:LEU:HG	14	1.45
(1,2522)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	16	1.45
(1,2521)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	16	1.45
(1,2406)	1:61:B:LEU:HD21	1:72:B:GLN:HG2	10	1.45
(1,2405)	1:61:A:LEU:HD21	1:72:A:GLN:HG2	10	1.45
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE3	2	1.45
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE3	2	1.45
(1,2059)	1:83:A:LYS:HD3	1:81:A:ALA:HA	1	1.45
(1,1864)	1:18:B:TYR:H	1:36:B:LEU:HD22	13	1.45
(1,1863)	1:18:A:TYR:H	1:36:A:LEU:HD22	13	1.45
(1,634)	1:52:B:ALA:HB2	1:50:B:ASP:HB2	18	1.45
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG2	1	1.45
(1,343)	1:83:A:LYS:HE3	1:87:A:TYR:HB2	10	1.45
(1,249)	1:33:A:LEU:HB2	1:34:A:LYS:HA	12	1.45
(2,132)	1:12:B:VAL:H	1:86:A:HIS:HB3	2	1.44
(2,131)	1:12:A:VAL:H	1:86:B:HIS:HB3	2	1.44
(2,32)	1:35:B:GLN:HB3	1:31:B:GLY:HA2	17	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,31)	1:35:A:GLN:HB3	1:31:A:GLY:HA2	17	1.44
(1,3816)	1:33:B:LEU:H	1:37:B:LEU:HD11	1	1.44
(1,3815)	1:33:A:LEU:H	1:37:A:LEU:HD11	1	1.44
(1,3214)	1:54:B:ILE:HG12	1:45:B:ILE:HD12	6	1.44
(1,3213)	1:54:A:ILE:HG12	1:45:A:ILE:HD12	6	1.44
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG12	13	1.44
(1,2965)	1:82:A:LEU:HG	1:83:A:LYS:HG2	3	1.44
(1,2916)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	8	1.44
(1,2915)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	8	1.44
(1,2906)	1:53:B:VAL:HG22	1:54:B:ILE:HD12	8	1.44
(1,2906)	1:53:B:VAL:HG22	1:54:B:ILE:HD12	12	1.44
(1,2905)	1:53:A:VAL:HG22	1:54:A:ILE:HD12	8	1.44
(1,2905)	1:53:A:VAL:HG22	1:54:A:ILE:HD12	12	1.44
(1,2905)	1:53:A:VAL:HG22	1:54:A:ILE:HD13	13	1.44
(1,2898)	1:39:B:LYS:HG3	1:37:B:LEU:HB2	2	1.44
(1,2898)	1:39:B:LYS:HG3	1:37:B:LEU:HB2	9	1.44
(1,2897)	1:39:A:LYS:HG3	1:37:A:LEU:HB2	9	1.44
(1,2803)	1:63:A:ALA:HB1	1:64:A:ASN:HB3	16	1.44
(1,2608)	1:33:B:LEU:HB2	1:37:B:LEU:HG	10	1.44
(1,2608)	1:33:B:LEU:HB2	1:37:B:LEU:HG	18	1.44
(1,2607)	1:33:A:LEU:HB2	1:37:A:LEU:HG	10	1.44
(1,2607)	1:33:A:LEU:HB2	1:37:A:LEU:HG	18	1.44
(1,2522)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	5	1.44
(1,2522)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	18	1.44
(1,2521)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	5	1.44
(1,2521)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	18	1.44
(1,2406)	1:8:B:LEU:HD13	1:9:B:GLU:HG2	15	1.44
(1,2405)	1:8:A:LEU:HD13	1:9:A:GLU:HG2	15	1.44
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE2	19	1.44
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE2	19	1.44
(1,842)	1:78:B:VAL:HG11	1:36:B:LEU:HD21	17	1.44
(1,841)	1:78:A:VAL:HG11	1:36:A:LEU:HD21	17	1.44
(1,634)	1:52:B:ALA:HB2	1:50:B:ASP:HB2	3	1.44
(1,633)	1:52:A:ALA:HB2	1:50:A:ASP:HB2	3	1.44
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG2	1	1.44
(1,344)	1:83:B:LYS:HE3	1:87:B:TYR:HB2	10	1.44
(1,332)	1:46:B:LYS:HE2	1:47:B:ASN:HB2	8	1.44
(1,12)	1:75:B:ILE:HD11	1:83:A:LYS:HB3	2	1.44
(1,11)	1:75:A:ILE:HD11	1:83:B:LYS:HB3	2	1.44
(2,140)	1:69:B:VAL:H	1:61:B:LEU:HB3	1	1.43
(2,140)	1:69:B:VAL:H	1:61:B:LEU:HB3	7	1.43
(2,139)	1:69:A:VAL:H	1:61:A:LEU:HB3	1	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,139)	1:69:A:VAL:H	1:61:A:LEU:HB3	7	1.43
(2,139)	1:69:A:VAL:H	1:61:A:LEU:HB3	16	1.43
(2,132)	1:12:B:VAL:H	1:86:A:HIS:HB3	3	1.43
(2,132)	1:12:B:VAL:H	1:86:A:HIS:HB3	10	1.43
(2,131)	1:12:A:VAL:H	1:86:B:HIS:HB3	3	1.43
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD11	14	1.43
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD11	14	1.43
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD11	14	1.43
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD11	14	1.43
(1,3230)	1:75:B:ILE:HD13	1:78:A:VAL:HG11	11	1.43
(1,3142)	1:48:B:ILE:HG22	1:49:B:LYS:HB2	20	1.43
(1,3141)	1:48:A:ILE:HG22	1:49:A:LYS:HB2	20	1.43
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG12	13	1.43
(1,2966)	1:82:B:LEU:HG	1:83:B:LYS:HG2	3	1.43
(1,2915)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	10	1.43
(1,2906)	1:53:B:VAL:HG21	1:54:B:ILE:HD12	17	1.43
(1,2906)	1:53:B:VAL:HG23	1:54:B:ILE:HD11	20	1.43
(1,2905)	1:53:A:VAL:HG21	1:54:A:ILE:HD12	17	1.43
(1,2905)	1:53:A:VAL:HG23	1:54:A:ILE:HD11	20	1.43
(1,2897)	1:39:A:LYS:HG3	1:37:A:LEU:HB2	2	1.43
(1,2854)	1:52:B:ALA:HB2	1:56:B:GLU:HB2	13	1.43
(1,2822)	1:89:B:THR:HG23	1:46:B:LYS:HG2	14	1.43
(1,2822)	1:89:B:THR:HG23	1:46:B:LYS:HG2	18	1.43
(1,2821)	1:89:A:THR:HG23	1:46:A:LYS:HG2	14	1.43
(1,2821)	1:89:A:THR:HG23	1:46:A:LYS:HG2	18	1.43
(1,2804)	1:63:B:ALA:HB1	1:64:B:ASN:HB3	16	1.43
(1,2440)	1:37:B:LEU:HD13	1:35:B:GLN:HB3	12	1.43
(1,2439)	1:37:A:LEU:HD13	1:35:A:GLN:HB3	12	1.43
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE3	8	1.43
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE3	8	1.43
(1,1748)	1:85:B:ALA:HB1	1:88:B:HIS:H	13	1.43
(1,842)	1:78:B:VAL:HG11	1:36:B:LEU:HD21	1	1.43
(1,841)	1:78:A:VAL:HG11	1:36:A:LEU:HD21	1	1.43
(1,397)	1:12:A:VAL:HA	1:86:B:HIS:HB3	13	1.43
(1,352)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	4	1.43
(1,351)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	4	1.43
(1,331)	1:46:A:LYS:HE2	1:47:A:ASN:HB2	8	1.43
(1,250)	1:33:B:LEU:HB2	1:34:B:LYS:HA	11	1.43
(1,249)	1:33:A:LEU:HB2	1:34:A:LYS:HA	11	1.43
(1,12)	1:75:B:ILE:HD11	1:83:A:LYS:HB3	5	1.43
(2,140)	1:69:B:VAL:H	1:61:B:LEU:HB3	15	1.42
(2,140)	1:69:B:VAL:H	1:61:B:LEU:HB3	16	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD12	9	1.42
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD12	9	1.42
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD12	9	1.42
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD12	9	1.42
(1,3596)	1:85:B:ALA:H	1:91:B:LYS:HD3	2	1.42
(1,3595)	1:85:A:ALA:H	1:91:A:LYS:HD3	2	1.42
(1,3229)	1:75:A:ILE:HD13	1:78:B:VAL:HG11	11	1.42
(1,3213)	1:54:A:ILE:HG12	1:45:A:ILE:HD11	11	1.42
(1,3142)	1:48:B:ILE:HG23	1:49:B:LYS:HB2	5	1.42
(1,3141)	1:48:A:ILE:HG23	1:49:A:LYS:HB2	5	1.42
(1,3042)	1:44:B:THR:HG21	1:12:A:VAL:HG11	17	1.42
(1,3041)	1:44:A:THR:HG21	1:12:B:VAL:HG11	17	1.42
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG12	8	1.42
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG13	14	1.42
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG12	20	1.42
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG12	8	1.42
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG13	14	1.42
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG12	20	1.42
(1,2916)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	10	1.42
(1,2905)	1:53:A:VAL:HG23	1:54:A:ILE:HD11	7	1.42
(1,2854)	1:52:B:ALA:HB1	1:56:B:GLU:HB2	19	1.42
(1,2853)	1:52:A:ALA:HB2	1:56:A:GLU:HB2	13	1.42
(1,2853)	1:52:A:ALA:HB1	1:56:A:GLU:HB2	19	1.42
(1,2522)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	8	1.42
(1,2521)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	8	1.42
(1,2440)	1:37:B:LEU:HD13	1:35:B:GLN:HB3	15	1.42
(1,2439)	1:37:A:LEU:HD13	1:35:A:GLN:HB3	15	1.42
(1,1747)	1:91:A:LYS:H	1:84:A:ALA:HB2	20	1.42
(1,842)	1:78:B:VAL:HG12	1:36:B:LEU:HD23	4	1.42
(1,842)	1:78:B:VAL:HG11	1:36:B:LEU:HD21	6	1.42
(1,842)	1:78:B:VAL:HG11	1:36:B:LEU:HD23	12	1.42
(1,841)	1:78:A:VAL:HG12	1:36:A:LEU:HD23	4	1.42
(1,841)	1:78:A:VAL:HG11	1:36:A:LEU:HD21	6	1.42
(1,841)	1:78:A:VAL:HG11	1:36:A:LEU:HD23	12	1.42
(1,478)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	2	1.42
(1,477)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	2	1.42
(1,398)	1:12:B:VAL:HA	1:86:A:HIS:HB3	1	1.42
(1,397)	1:12:A:VAL:HA	1:86:B:HIS:HB3	1	1.42
(1,250)	1:33:B:LEU:HB2	1:34:B:LYS:HA	9	1.42
(1,249)	1:33:A:LEU:HB2	1:34:A:LYS:HA	9	1.42
(1,12)	1:75:B:ILE:HD11	1:83:A:LYS:HB3	4	1.42
(1,11)	1:75:A:ILE:HD11	1:83:B:LYS:HB3	4	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11)	1:75:A:ILE:HD11	1:83:B:LYS:HB3	5	1.42
(2,139)	1:69:A:VAL:H	1:61:A:LEU:HB3	15	1.41
(2,132)	1:12:B:VAL:H	1:86:A:HIS:HB3	6	1.41
(2,131)	1:12:A:VAL:H	1:86:B:HIS:HB3	10	1.41
(2,80)	1:58:B:PHE:HB2	1:61:B:LEU:HB3	15	1.41
(2,79)	1:58:A:PHE:HB2	1:61:A:LEU:HB3	15	1.41
(1,3816)	1:33:B:LEU:H	1:37:B:LEU:HD12	2	1.41
(1,3815)	1:33:A:LEU:H	1:37:A:LEU:HD12	2	1.41
(1,3214)	1:54:B:ILE:HG12	1:45:B:ILE:HD11	11	1.41
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG13	6	1.41
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG11	17	1.41
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG13	7	1.41
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG11	17	1.41
(1,2937)	1:7:A:HIS:HB2	1:44:B:THR:HG23	18	1.41
(1,2916)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	2	1.41
(1,2915)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	2	1.41
(1,2906)	1:53:B:VAL:HG23	1:54:B:ILE:HD11	7	1.41
(1,2906)	1:53:B:VAL:HG23	1:54:B:ILE:HD12	15	1.41
(1,2905)	1:53:A:VAL:HG23	1:54:A:ILE:HD12	15	1.41
(1,2804)	1:49:B:LYS:HG2	1:47:B:ASN:HB3	12	1.41
(1,2803)	1:49:A:LYS:HG2	1:47:A:ASN:HB3	12	1.41
(1,2608)	1:33:B:LEU:HB2	1:37:B:LEU:HG	9	1.41
(1,2607)	1:33:A:LEU:HB2	1:37:A:LEU:HG	9	1.41
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG2	16	1.41
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG2	16	1.41
(1,2440)	1:37:B:LEU:HD12	1:35:B:GLN:HB3	5	1.41
(1,2439)	1:37:A:LEU:HD12	1:35:A:GLN:HB3	5	1.41
(1,2324)	1:37:B:LEU:HD12	1:35:B:GLN:HB2	13	1.41
(1,2323)	1:37:A:LEU:HD12	1:35:A:GLN:HB2	13	1.41
(1,1863)	1:18:A:TYR:H	1:36:A:LEU:HD22	2	1.41
(1,1748)	1:91:B:LYS:H	1:84:B:ALA:HB2	20	1.41
(1,1747)	1:85:A:ALA:HB1	1:88:A:HIS:H	13	1.41
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG2	13	1.41
(1,344)	1:83:B:LYS:HE3	1:87:B:TYR:HB2	12	1.41
(1,343)	1:83:A:LYS:HE3	1:87:A:TYR:HB2	12	1.41
(1,249)	1:33:A:LEU:HB2	1:34:A:LYS:HA	17	1.41
(2,140)	1:69:B:VAL:H	1:61:B:LEU:HB3	6	1.4
(1,3448)	1:89:B:THR:H	1:83:B:LYS:HE3	6	1.4
(1,3447)	1:89:A:THR:H	1:83:A:LYS:HE3	6	1.4
(1,3430)	1:56:B:GLU:H	1:46:B:LYS:HE3	13	1.4
(1,3429)	1:56:A:GLU:H	1:50:A:ASP:HB2	13	1.4
(1,3220)	1:71:B:PHE:HB3	1:78:B:VAL:HG21	1	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3219)	1:71:A:PHE:HB3	1:78:A:VAL:HG21	1	1.4
(1,3214)	1:54:B:ILE:HG12	1:45:B:ILE:HD13	3	1.4
(1,3213)	1:54:A:ILE:HG12	1:45:A:ILE:HD13	3	1.4
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG13	7	1.4
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG11	18	1.4
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG13	6	1.4
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG11	18	1.4
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD22	11	1.4
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD22	11	1.4
(1,2938)	1:7:B:HIS:HB2	1:44:A:THR:HG23	18	1.4
(1,2915)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	6	1.4
(1,2854)	1:73:B:GLU:HB3	1:77:B:LEU:HB2	15	1.4
(1,2853)	1:73:A:GLU:HB3	1:77:A:LEU:HB2	15	1.4
(1,2822)	1:89:B:THR:HG22	1:46:B:LYS:HG2	10	1.4
(1,2822)	1:89:B:THR:HG22	1:46:B:LYS:HG2	20	1.4
(1,2821)	1:89:A:THR:HG22	1:46:A:LYS:HG2	10	1.4
(1,2821)	1:89:A:THR:HG22	1:46:A:LYS:HG2	20	1.4
(1,2804)	1:49:B:LYS:HG2	1:47:B:ASN:HB3	7	1.4
(1,2608)	1:33:B:LEU:HB2	1:37:B:LEU:HG	16	1.4
(1,2607)	1:33:A:LEU:HB2	1:37:A:LEU:HG	16	1.4
(1,2521)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	10	1.4
(1,2510)	1:83:B:LYS:HE3	1:72:A:GLN:HB3	4	1.4
(1,2509)	1:83:A:LYS:HE3	1:72:B:GLN:HB3	4	1.4
(1,2430)	1:56:B:GLU:HG3	1:59:B:GLN:HG2	12	1.4
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE2	5	1.4
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE2	5	1.4
(1,1864)	1:18:B:TYR:H	1:36:B:LEU:HD22	2	1.4
(1,1864)	1:78:B:VAL:H	1:36:B:LEU:HD21	3	1.4
(1,1863)	1:78:A:VAL:H	1:36:A:LEU:HD21	3	1.4
(1,1748)	1:85:B:ALA:HB3	1:88:B:HIS:H	14	1.4
(1,634)	1:52:B:ALA:HB3	1:50:B:ASP:HB2	5	1.4
(1,633)	1:52:A:ALA:HB3	1:50:A:ASP:HB2	5	1.4
(1,633)	1:52:A:ALA:HB1	1:50:A:ASP:HB2	20	1.4
(1,398)	1:12:B:VAL:HA	1:86:A:HIS:HB3	13	1.4
(1,250)	1:33:B:LEU:HB2	1:34:B:LYS:HA	17	1.4
(2,140)	1:69:B:VAL:H	1:61:B:LEU:HB3	2	1.39
(2,139)	1:69:A:VAL:H	1:61:A:LEU:HB3	2	1.39
(2,139)	1:69:A:VAL:H	1:61:A:LEU:HB3	6	1.39
(2,132)	1:12:B:VAL:H	1:86:A:HIS:HB3	4	1.39
(2,131)	1:12:A:VAL:H	1:86:B:HIS:HB3	4	1.39
(2,131)	1:12:A:VAL:H	1:86:B:HIS:HB3	6	1.39
(1,3220)	1:71:B:PHE:HB3	1:78:B:VAL:HG21	14	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3214)	1:91:B:LYS:HD2	1:45:B:ILE:HD11	2	1.39
(1,3213)	1:91:A:LYS:HD2	1:45:A:ILE:HD11	2	1.39
(1,3142)	1:48:B:ILE:HG21	1:49:B:LYS:HB2	11	1.39
(1,3041)	1:44:A:THR:HG23	1:12:B:VAL:HG13	5	1.39
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG12	15	1.39
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG12	15	1.39
(1,2938)	1:7:B:HIS:HB2	1:44:A:THR:HG23	4	1.39
(1,2938)	1:7:B:HIS:HB2	1:44:A:THR:HG21	9	1.39
(1,2937)	1:7:A:HIS:HB2	1:44:B:THR:HG23	4	1.39
(1,2916)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	6	1.39
(1,2897)	1:39:A:LYS:HG3	1:37:A:LEU:HB2	16	1.39
(1,2803)	1:49:A:LYS:HG2	1:47:A:ASN:HB3	7	1.39
(1,2522)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	2	1.39
(1,2522)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	10	1.39
(1,2510)	1:83:B:LYS:HE3	1:72:A:GLN:HB3	14	1.39
(1,2429)	1:56:A:GLU:HG3	1:59:A:GLN:HG2	12	1.39
(1,2323)	1:37:A:LEU:HD13	1:35:A:GLN:HB2	14	1.39
(1,1747)	1:85:A:ALA:HB3	1:88:A:HIS:H	14	1.39
(1,842)	1:78:B:VAL:HG12	1:36:B:LEU:HD23	2	1.39
(1,841)	1:78:A:VAL:HG12	1:36:A:LEU:HD23	2	1.39
(1,634)	1:52:B:ALA:HB1	1:50:B:ASP:HB2	20	1.39
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG2	9	1.39
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG2	13	1.39
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG2	9	1.39
(1,12)	1:75:B:ILE:HD12	1:83:A:LYS:HB3	11	1.39
(1,11)	1:75:A:ILE:HD12	1:83:B:LYS:HB3	11	1.39
(1,3219)	1:71:A:PHE:HB3	1:78:A:VAL:HG21	14	1.38
(1,3142)	1:48:B:ILE:HG21	1:49:B:LYS:HB2	4	1.38
(1,3141)	1:48:A:ILE:HG21	1:49:A:LYS:HB2	4	1.38
(1,3141)	1:48:A:ILE:HG21	1:49:A:LYS:HB2	11	1.38
(1,3090)	1:48:B:ILE:HG22	1:49:B:LYS:HB3	6	1.38
(1,3089)	1:48:A:ILE:HG22	1:49:A:LYS:HB3	6	1.38
(1,3042)	1:44:B:THR:HG23	1:12:A:VAL:HG13	5	1.38
(1,3042)	1:44:B:THR:HG21	1:12:A:VAL:HG13	10	1.38
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG13	5	1.38
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG13	5	1.38
(1,2898)	1:39:B:LYS:HG3	1:37:B:LEU:HB2	16	1.38
(1,2612)	1:83:B:LYS:HB2	1:83:B:LYS:HE2	11	1.38
(1,2611)	1:83:A:LYS:HB2	1:83:A:LYS:HE2	11	1.38
(1,2521)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	2	1.38
(1,2509)	1:83:A:LYS:HE3	1:72:B:GLN:HB3	14	1.38
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG2	20	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2406)	1:8:B:LEU:HD12	1:9:B:GLU:HG3	3	1.38
(1,2405)	1:8:A:LEU:HD12	1:9:A:GLU:HG3	3	1.38
(1,2386)	1:8:B:LEU:HB3	1:12:B:VAL:HB	14	1.38
(1,2385)	1:8:A:LEU:HB3	1:12:A:VAL:HB	14	1.38
(1,2324)	1:37:B:LEU:HD13	1:35:B:GLN:HB2	14	1.38
(1,2204)	1:52:B:ALA:HB2	1:51:B:LYS:HE2	8	1.38
(1,1988)	1:30:B:LYS:HD3	1:56:B:GLU:HA	11	1.38
(1,1987)	1:30:A:LYS:HD3	1:56:A:GLU:HA	11	1.38
(1,1748)	1:91:B:LYS:H	1:84:B:ALA:HB1	15	1.38
(1,842)	1:78:B:VAL:HG11	1:36:B:LEU:HD22	19	1.38
(1,841)	1:78:A:VAL:HG11	1:36:A:LEU:HD22	19	1.38
(2,140)	1:69:B:VAL:H	1:61:B:LEU:HB3	18	1.37
(2,139)	1:69:A:VAL:H	1:61:A:LEU:HB3	18	1.37
(2,80)	1:58:B:PHE:HB2	1:61:B:LEU:HB3	18	1.37
(2,79)	1:58:A:PHE:HB2	1:61:A:LEU:HB3	18	1.37
(1,3712)	1:59:B:GLN:H	1:61:B:LEU:HB3	6	1.37
(1,3711)	1:59:A:GLN:H	1:61:A:LEU:HB3	6	1.37
(1,3214)	1:54:B:ILE:HG12	1:45:B:ILE:HD11	5	1.37
(1,3213)	1:54:A:ILE:HG12	1:45:A:ILE:HD11	5	1.37
(1,3142)	1:80:B:ILE:HG23	1:91:B:LYS:HB2	2	1.37
(1,3141)	1:80:A:ILE:HG23	1:91:A:LYS:HB2	2	1.37
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG12	16	1.37
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG12	16	1.37
(1,2937)	1:7:A:HIS:HB2	1:44:B:THR:HG21	9	1.37
(1,2916)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	4	1.37
(1,2915)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	4	1.37
(1,2854)	1:73:B:GLU:HB3	1:77:B:LEU:HB2	1	1.37
(1,2853)	1:73:A:GLU:HB3	1:77:A:LEU:HB2	1	1.37
(1,2522)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	6	1.37
(1,2521)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	6	1.37
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG2	17	1.37
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG2	20	1.37
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG2	17	1.37
(1,2374)	1:71:B:PHE:HB3	1:74:B:PHE:HA	19	1.37
(1,2373)	1:71:A:PHE:HB3	1:74:A:PHE:HA	19	1.37
(1,1864)	1:78:B:VAL:H	1:36:B:LEU:HD21	15	1.37
(1,1863)	1:78:A:VAL:H	1:36:A:LEU:HD21	15	1.37
(1,1747)	1:91:A:LYS:H	1:84:A:ALA:HB1	15	1.37
(1,842)	1:78:B:VAL:HG11	1:36:B:LEU:HD22	7	1.37
(1,842)	1:78:B:VAL:HG13	1:36:B:LEU:HD23	13	1.37
(1,841)	1:78:A:VAL:HG11	1:36:A:LEU:HD22	7	1.37
(1,841)	1:78:A:VAL:HG13	1:36:A:LEU:HD23	13	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG2	2	1.37
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG2	5	1.37
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG2	7	1.37
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG2	15	1.37
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG2	20	1.37
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG2	2	1.37
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG2	5	1.37
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG2	20	1.37
(2,140)	1:69:B:VAL:H	1:61:B:LEU:HB3	10	1.36
(2,139)	1:69:A:VAL:H	1:61:A:LEU:HB3	10	1.36
(2,136)	1:18:B:TYR:H	1:32:B:GLU:HB2	20	1.36
(2,135)	1:18:A:TYR:H	1:32:A:GLU:HB2	20	1.36
(2,80)	1:58:B:PHE:HB2	1:61:B:LEU:HB3	6	1.36
(2,79)	1:58:A:PHE:HB2	1:61:A:LEU:HB3	6	1.36
(1,3712)	1:59:B:GLN:H	1:61:B:LEU:HB3	13	1.36
(1,3711)	1:59:A:GLN:H	1:61:A:LEU:HB3	13	1.36
(1,3258)	1:7:B:HIS:H	1:7:A:HIS:H	3	1.36
(1,3257)	1:7:A:HIS:H	1:7:B:HIS:H	3	1.36
(1,3214)	1:30:B:LYS:HG2	1:54:B:ILE:HG12	10	1.36
(1,3213)	1:30:A:LYS:HG2	1:54:A:ILE:HG12	10	1.36
(1,3142)	1:80:B:ILE:HG22	1:91:B:LYS:HB2	1	1.36
(1,3141)	1:80:A:ILE:HG22	1:91:A:LYS:HB2	1	1.36
(1,3041)	1:44:A:THR:HG22	1:12:B:VAL:HG13	7	1.36
(1,2964)	1:91:B:LYS:HD3	1:44:B:THR:HG23	20	1.36
(1,2963)	1:91:A:LYS:HD3	1:44:A:THR:HG23	20	1.36
(1,2906)	1:53:B:VAL:HG22	1:54:B:ILE:HD11	1	1.36
(1,2905)	1:53:A:VAL:HG22	1:54:A:ILE:HD11	1	1.36
(1,2898)	1:39:B:LYS:HG3	1:37:B:LEU:HB2	18	1.36
(1,2897)	1:39:A:LYS:HG3	1:37:A:LEU:HB2	18	1.36
(1,2804)	1:63:B:ALA:HB3	1:64:B:ASN:HB3	18	1.36
(1,2607)	1:33:A:LEU:HB2	1:37:A:LEU:HG	7	1.36
(1,2592)	1:89:B:THR:HG21	1:83:B:LYS:HB3	9	1.36
(1,2591)	1:89:A:THR:HG21	1:83:A:LYS:HB3	9	1.36
(1,2562)	1:83:B:LYS:HB2	1:83:B:LYS:HE2	11	1.36
(1,2561)	1:83:A:LYS:HB2	1:83:A:LYS:HE2	11	1.36
(1,2203)	1:52:A:ALA:HB2	1:51:A:LYS:HE2	8	1.36
(1,2190)	1:37:B:LEU:HB3	1:49:B:LYS:HE3	16	1.36
(1,2189)	1:37:A:LEU:HB3	1:49:A:LYS:HE3	16	1.36
(1,1864)	1:18:B:TYR:H	1:36:B:LEU:HD22	16	1.36
(1,1716)	1:36:B:LEU:HG	1:8:A:LEU:HD11	13	1.36
(1,1714)	1:36:B:LEU:HG	1:8:A:LEU:HD11	13	1.36
(1,1705)	1:8:A:LEU:HD11	1:36:B:LEU:HG	13	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1540)	1:84:B:ALA:H	1:91:B:LYS:HD3	18	1.36
(1,1539)	1:84:A:ALA:H	1:91:A:LYS:HD3	18	1.36
(1,842)	1:78:B:VAL:HG13	1:36:B:LEU:HD22	20	1.36
(1,841)	1:78:A:VAL:HG13	1:36:A:LEU:HD22	20	1.36
(1,634)	1:52:B:ALA:HB1	1:50:B:ASP:HB2	10	1.36
(1,633)	1:52:A:ALA:HB1	1:50:A:ASP:HB2	10	1.36
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG2	7	1.36
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG2	15	1.36
(1,396)	1:50:B:ASP:HB3	1:47:B:ASN:HB2	10	1.36
(1,395)	1:50:A:ASP:HB3	1:47:A:ASN:HB2	10	1.36
(2,139)	1:69:A:VAL:H	1:61:A:LEU:HB3	14	1.35
(2,32)	1:35:B:GLN:HB3	1:31:B:GLY:HA2	4	1.35
(2,32)	1:35:B:GLN:HB3	1:31:B:GLY:HA2	14	1.35
(2,31)	1:35:A:GLN:HB3	1:31:A:GLY:HA2	14	1.35
(1,3816)	1:33:B:LEU:H	1:37:B:LEU:HD12	4	1.35
(1,3815)	1:33:A:LEU:H	1:37:A:LEU:HD12	4	1.35
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD13	3	1.35
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD11	4	1.35
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD12	11	1.35
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD13	3	1.35
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD12	11	1.35
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD13	3	1.35
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD11	4	1.35
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD12	11	1.35
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD13	3	1.35
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD12	11	1.35
(1,3596)	1:85:B:ALA:H	1:91:B:LYS:HB2	12	1.35
(1,3595)	1:85:A:ALA:H	1:91:A:LYS:HB2	12	1.35
(1,2957)	1:32:A:GLU:HB3	1:36:A:LEU:HG	18	1.35
(1,2804)	1:49:B:LYS:HG2	1:47:B:ASN:HB3	10	1.35
(1,2804)	1:49:B:LYS:HG2	1:47:B:ASN:HB3	17	1.35
(1,2803)	1:49:A:LYS:HG2	1:47:A:ASN:HB3	17	1.35
(1,2803)	1:63:A:ALA:HB3	1:64:A:ASN:HB3	18	1.35
(1,2612)	1:83:B:LYS:HB2	1:83:B:LYS:HE2	5	1.35
(1,2611)	1:83:A:LYS:HB2	1:83:A:LYS:HE2	5	1.35
(1,2608)	1:33:B:LEU:HB2	1:37:B:LEU:HG	3	1.35
(1,2608)	1:33:B:LEU:HB2	1:37:B:LEU:HG	7	1.35
(1,2607)	1:33:A:LEU:HB2	1:37:A:LEU:HG	3	1.35
(1,2522)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	4	1.35
(1,2521)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	4	1.35
(1,2440)	1:37:B:LEU:HD12	1:35:B:GLN:HB3	2	1.35
(1,2439)	1:37:A:LEU:HD12	1:35:A:GLN:HB3	2	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2405)	1:8:A:LEU:HD11	1:9:A:GLU:HG3	19	1.35
(1,1863)	1:18:A:TYR:H	1:36:A:LEU:HD22	16	1.35
(1,1846)	1:54:B:ILE:H	1:48:B:ILE:HG12	7	1.35
(1,1845)	1:54:A:ILE:H	1:48:A:ILE:HG12	7	1.35
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG2	19	1.35
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG2	19	1.35
(2,140)	1:69:B:VAL:H	1:61:B:LEU:HB3	14	1.34
(2,132)	1:12:B:VAL:H	1:86:A:HIS:HB3	5	1.34
(2,132)	1:12:B:VAL:H	1:86:A:HIS:HB3	12	1.34
(2,131)	1:12:A:VAL:H	1:86:B:HIS:HB3	5	1.34
(2,131)	1:12:A:VAL:H	1:86:B:HIS:HB3	12	1.34
(2,31)	1:35:A:GLN:HB3	1:31:A:GLY:HA2	4	1.34
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD13	16	1.34
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD11	4	1.34
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD13	16	1.34
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD13	16	1.34
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD11	4	1.34
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD13	16	1.34
(1,3616)	1:89:B:THR:H	1:91:B:LYS:HB2	2	1.34
(1,3615)	1:89:A:THR:H	1:91:A:LYS:HB2	2	1.34
(1,3142)	1:48:B:ILE:HG21	1:49:B:LYS:HB2	14	1.34
(1,3141)	1:48:A:ILE:HG21	1:49:A:LYS:HB2	14	1.34
(1,3090)	1:48:B:ILE:HG21	1:49:B:LYS:HB3	1	1.34
(1,3090)	1:48:B:ILE:HG21	1:49:B:LYS:HB2	10	1.34
(1,3089)	1:48:A:ILE:HG21	1:49:A:LYS:HB2	10	1.34
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG12	2	1.34
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG12	2	1.34
(1,2958)	1:32:B:GLU:HB3	1:36:B:LEU:HG	18	1.34
(1,2803)	1:49:A:LYS:HG2	1:47:A:ASN:HB3	10	1.34
(1,2644)	1:50:B:ASP:HB3	1:49:B:LYS:HB2	11	1.34
(1,2643)	1:50:A:ASP:HB3	1:49:A:LYS:HB2	11	1.34
(1,2618)	1:39:B:LYS:HB3	1:40:B:GLU:HB3	14	1.34
(1,2617)	1:39:A:LYS:HB3	1:40:A:GLU:HB3	14	1.34
(1,2608)	1:33:B:LEU:HB2	1:37:B:LEU:HG	8	1.34
(1,2607)	1:33:A:LEU:HB2	1:37:A:LEU:HG	8	1.34
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG2	13	1.34
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG2	18	1.34
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG2	13	1.34
(1,2430)	1:67:B:GLU:HG3	1:59:B:GLN:HG2	1	1.34
(1,2430)	1:67:B:GLU:HG3	1:59:B:GLN:HG2	17	1.34
(1,2429)	1:67:A:GLU:HG3	1:59:A:GLN:HG2	17	1.34
(1,2386)	1:8:B:LEU:HB2	1:9:B:GLU:HG2	6	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2385)	1:8:A:LEU:HB3	1:12:A:VAL:HB	2	1.34
(1,2203)	1:52:A:ALA:HB3	1:51:A:LYS:HE2	3	1.34
(1,2060)	1:83:B:LYS:HD3	1:79:B:ALA:HA	18	1.34
(1,2059)	1:83:A:LYS:HD3	1:79:A:ALA:HA	18	1.34
(1,841)	1:78:A:VAL:HG11	1:36:A:LEU:HD22	16	1.34
(1,634)	1:52:B:ALA:HB2	1:50:B:ASP:HB2	4	1.34
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG3	4	1.34
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG3	4	1.34
(1,396)	1:50:B:ASP:HB3	1:47:B:ASN:HB2	13	1.34
(1,395)	1:50:A:ASP:HB3	1:47:A:ASN:HB2	13	1.34
(2,132)	1:12:B:VAL:H	1:86:A:HIS:HB3	1	1.33
(1,3816)	1:33:B:LEU:H	1:37:B:LEU:HD13	19	1.33
(1,3815)	1:33:A:LEU:H	1:37:A:LEU:HD13	19	1.33
(1,3712)	1:59:B:GLN:H	1:61:B:LEU:HB3	15	1.33
(1,3711)	1:59:A:GLN:H	1:61:A:LEU:HB3	15	1.33
(1,3089)	1:48:A:ILE:HG21	1:49:A:LYS:HB3	1	1.33
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG13	11	1.33
(1,2958)	1:34:B:LYS:HB2	1:48:B:ILE:HG13	3	1.33
(1,2958)	1:34:B:LYS:HB2	1:48:B:ILE:HG13	7	1.33
(1,2957)	1:34:A:LYS:HB2	1:48:A:ILE:HG13	3	1.33
(1,2957)	1:34:A:LYS:HB2	1:48:A:ILE:HG13	7	1.33
(1,2937)	1:7:A:HIS:HB2	1:44:B:THR:HG23	10	1.33
(1,2854)	1:73:B:GLU:HB3	1:77:B:LEU:HB2	5	1.33
(1,2853)	1:73:A:GLU:HB3	1:77:A:LEU:HB2	5	1.33
(1,2562)	1:83:B:LYS:HB2	1:83:B:LYS:HE2	5	1.33
(1,2561)	1:83:A:LYS:HB2	1:83:A:LYS:HE2	5	1.33
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG2	9	1.33
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG2	9	1.33
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG2	18	1.33
(1,2439)	1:37:A:LEU:HD11	1:35:A:GLN:HB3	1	1.33
(1,2386)	1:8:B:LEU:HB3	1:12:B:VAL:HB	2	1.33
(1,2385)	1:8:A:LEU:HB2	1:9:A:GLU:HG2	6	1.33
(1,2204)	1:52:B:ALA:HB3	1:51:B:LYS:HE2	3	1.33
(1,2060)	1:83:B:LYS:HD3	1:79:B:ALA:HA	6	1.33
(1,2059)	1:83:A:LYS:HD3	1:79:A:ALA:HA	6	1.33
(1,1747)	1:85:A:ALA:HB3	1:88:A:HIS:H	8	1.33
(1,842)	1:78:B:VAL:HG11	1:36:B:LEU:HD22	16	1.33
(1,344)	1:83:B:LYS:HE3	1:87:B:TYR:HB2	5	1.33
(1,343)	1:83:A:LYS:HE3	1:87:A:TYR:HB2	5	1.33
(2,131)	1:12:A:VAL:H	1:86:B:HIS:HB3	1	1.32
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD13	15	1.32
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD13	15	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD13	15	1.32
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD13	15	1.32
(1,3712)	1:59:B:GLN:H	1:61:B:LEU:HB3	19	1.32
(1,3711)	1:59:A:GLN:H	1:61:A:LEU:HB3	19	1.32
(1,3444)	1:41:B:LEU:H	1:43:B:ASN:HB2	4	1.32
(1,3214)	1:54:B:ILE:HG12	1:45:B:ILE:HD12	1	1.32
(1,3213)	1:54:A:ILE:HG12	1:45:A:ILE:HD12	1	1.32
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG13	11	1.32
(1,2804)	1:63:B:ALA:HB1	1:64:B:ASN:HB3	11	1.32
(1,2803)	1:63:A:ALA:HB1	1:64:A:ASN:HB3	11	1.32
(1,2734)	1:51:B:LYS:HD3	1:31:B:GLY:HA3	15	1.32
(1,2733)	1:51:A:LYS:HD3	1:31:A:GLY:HA3	15	1.32
(1,2566)	1:86:B:HIS:HB3	1:9:A:GLU:HB2	7	1.32
(1,2440)	1:37:B:LEU:HD11	1:35:B:GLN:HB3	1	1.32
(1,2429)	1:67:A:GLU:HG3	1:59:A:GLN:HG2	1	1.32
(1,2406)	1:8:B:LEU:HD11	1:9:B:GLU:HG3	19	1.32
(1,2386)	1:8:B:LEU:HB3	1:12:B:VAL:HB	11	1.32
(1,2385)	1:8:A:LEU:HB3	1:12:A:VAL:HB	11	1.32
(1,2373)	1:71:A:PHE:HB3	1:74:A:PHE:HA	20	1.32
(1,1748)	1:85:B:ALA:HB3	1:88:B:HIS:H	8	1.32
(1,1748)	1:91:B:LYS:H	1:84:B:ALA:HB3	19	1.32
(1,1715)	1:36:A:LEU:HG	1:8:B:LEU:HD11	13	1.32
(1,1713)	1:36:A:LEU:HG	1:8:B:LEU:HD11	13	1.32
(1,1706)	1:8:B:LEU:HD11	1:36:A:LEU:HG	13	1.32
(1,1695)	1:83:A:LYS:HE3	1:71:B:PHE:HB2	7	1.32
(1,821)	1:79:A:ALA:HB3	1:75:B:ILE:HG13	8	1.32
(1,778)	1:61:B:LEU:HD21	1:76:B:SER:HB3	12	1.32
(1,777)	1:61:A:LEU:HD21	1:76:A:SER:HB3	12	1.32
(1,633)	1:52:A:ALA:HB2	1:50:A:ASP:HB2	4	1.32
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG2	3	1.32
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG2	8	1.32
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG2	3	1.32
(2,80)	1:58:B:PHE:HB2	1:61:B:LEU:HB3	1	1.31
(2,80)	1:58:B:PHE:HB2	1:61:B:LEU:HB3	2	1.31
(2,80)	1:58:B:PHE:HB2	1:61:B:LEU:HB3	10	1.31
(2,79)	1:58:A:PHE:HB2	1:61:A:LEU:HB3	1	1.31
(2,79)	1:58:A:PHE:HB2	1:61:A:LEU:HB3	2	1.31
(2,79)	1:58:A:PHE:HB2	1:61:A:LEU:HB3	10	1.31
(1,3712)	1:59:B:GLN:H	1:61:B:LEU:HB3	1	1.31
(1,3712)	1:59:B:GLN:H	1:61:B:LEU:HB3	2	1.31
(1,3711)	1:59:A:GLN:H	1:61:A:LEU:HB3	2	1.31
(1,3443)	1:41:A:LEU:H	1:43:A:ASN:HB2	4	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3042)	1:44:B:THR:HG22	1:12:A:VAL:HG13	7	1.31
(1,2938)	1:7:B:HIS:HB2	1:44:A:THR:HG23	10	1.31
(1,2937)	1:7:A:HIS:HB3	1:82:B:LEU:HG	11	1.31
(1,2612)	1:91:B:LYS:HE3	1:83:B:LYS:HB3	3	1.31
(1,2611)	1:91:A:LYS:HE3	1:83:A:LYS:HB3	3	1.31
(1,2374)	1:71:B:PHE:HB3	1:74:B:PHE:HA	20	1.31
(1,2158)	1:82:B:LEU:HG	1:7:A:HIS:HB3	11	1.31
(1,2157)	1:82:A:LEU:HG	1:12:B:VAL:HA	10	1.31
(1,1988)	1:30:B:LYS:HD3	1:56:B:GLU:HA	15	1.31
(1,1987)	1:30:A:LYS:HD3	1:56:A:GLU:HA	15	1.31
(1,1747)	1:91:A:LYS:H	1:84:A:ALA:HB3	19	1.31
(1,1698)	1:8:B:LEU:HG	1:11:A:ILE:HB	3	1.31
(1,1697)	1:8:A:LEU:HG	1:11:B:ILE:HB	3	1.31
(1,842)	1:78:B:VAL:HG13	1:36:B:LEU:HD22	11	1.31
(1,841)	1:78:A:VAL:HG13	1:36:A:LEU:HD22	11	1.31
(1,822)	1:79:B:ALA:HB3	1:75:A:ILE:HG13	8	1.31
(1,778)	1:61:B:LEU:HD23	1:76:B:SER:HB3	3	1.31
(1,777)	1:61:A:LEU:HD23	1:76:A:SER:HB3	3	1.31
(1,512)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	16	1.31
(1,512)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	20	1.31
(1,511)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	16	1.31
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG2	14	1.31
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG2	8	1.31
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG2	14	1.31
(1,352)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	15	1.31
(1,12)	1:75:B:ILE:HD13	1:83:A:LYS:HB3	1	1.31
(1,11)	1:75:A:ILE:HD13	1:83:B:LYS:HB3	1	1.31
(2,80)	1:58:B:PHE:HB2	1:61:B:LEU:HB3	8	1.3
(2,79)	1:58:A:PHE:HB2	1:61:A:LEU:HB3	8	1.3
(1,3712)	1:59:B:GLN:H	1:61:B:LEU:HB3	16	1.3
(1,3712)	1:59:B:GLN:H	1:61:B:LEU:HB3	18	1.3
(1,3712)	1:59:B:GLN:H	1:61:B:LEU:HB3	20	1.3
(1,3711)	1:59:A:GLN:H	1:61:A:LEU:HB3	1	1.3
(1,3711)	1:59:A:GLN:H	1:61:A:LEU:HB3	16	1.3
(1,3711)	1:59:A:GLN:H	1:61:A:LEU:HB3	18	1.3
(1,3711)	1:59:A:GLN:H	1:61:A:LEU:HB3	20	1.3
(1,3648)	1:8:B:LEU:H	1:85:A:ALA:HB2	13	1.3
(1,3429)	1:56:A:GLU:H	1:46:A:LYS:HE2	9	1.3
(1,3020)	1:8:B:LEU:HB2	1:12:B:VAL:HG13	12	1.3
(1,3019)	1:8:A:LEU:HB2	1:12:A:VAL:HG13	12	1.3
(1,2988)	1:56:B:GLU:HG3	1:57:B:ILE:HG13	7	1.3
(1,2958)	1:34:B:LYS:HB2	1:48:B:ILE:HG13	14	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2938)	1:7:B:HIS:HB2	1:82:A:LEU:HG	8	1.3
(1,2938)	1:7:B:HIS:HB3	1:82:A:LEU:HG	11	1.3
(1,2822)	1:89:B:THR:HG22	1:46:B:LYS:HG2	19	1.3
(1,2643)	1:50:A:ASP:HB3	1:51:A:LYS:HB2	8	1.3
(1,2618)	1:39:B:LYS:HB3	1:40:B:GLU:HB3	1	1.3
(1,2617)	1:39:A:LYS:HB3	1:40:A:GLU:HB3	1	1.3
(1,2385)	1:8:A:LEU:HB2	1:9:A:GLU:HG3	8	1.3
(1,2158)	1:82:B:LEU:HG	1:12:A:VAL:HA	18	1.3
(1,2157)	1:82:A:LEU:HG	1:7:B:HIS:HB2	8	1.3
(1,2157)	1:82:A:LEU:HG	1:7:B:HIS:HB3	11	1.3
(1,2157)	1:82:A:LEU:HG	1:12:B:VAL:HA	18	1.3
(1,1864)	1:18:B:TYR:H	1:36:B:LEU:HD23	4	1.3
(1,1863)	1:18:A:TYR:H	1:36:A:LEU:HD23	4	1.3
(1,1846)	1:54:B:ILE:H	1:48:B:ILE:HG12	2	1.3
(1,1845)	1:54:A:ILE:H	1:48:A:ILE:HG12	2	1.3
(1,634)	1:52:B:ALA:HB2	1:50:B:ASP:HB2	15	1.3
(1,511)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	20	1.3
(1,351)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	15	1.3
(1,351)	1:30:A:LYS:HE3	1:51:A:LYS:HE2	19	1.3
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD21	13	1.29
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD21	13	1.29
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD13	2	1.29
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD13	2	1.29
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD13	2	1.29
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD13	2	1.29
(1,3712)	1:59:B:GLN:H	1:61:B:LEU:HB3	17	1.29
(1,3711)	1:59:A:GLN:H	1:61:A:LEU:HB3	4	1.29
(1,3711)	1:59:A:GLN:H	1:61:A:LEU:HB3	17	1.29
(1,3430)	1:56:B:GLU:H	1:46:B:LYS:HE2	9	1.29
(1,3230)	1:75:B:ILE:HD13	1:78:A:VAL:HG13	8	1.29
(1,3229)	1:75:A:ILE:HD13	1:78:B:VAL:HG13	8	1.29
(1,3214)	1:54:B:ILE:HG12	1:45:B:ILE:HD12	17	1.29
(1,3213)	1:54:A:ILE:HG12	1:45:A:ILE:HD12	17	1.29
(1,3090)	1:48:B:ILE:HG21	1:49:B:LYS:HB2	3	1.29
(1,3090)	1:48:B:ILE:HG21	1:49:B:LYS:HB3	8	1.29
(1,3090)	1:48:B:ILE:HG23	1:49:B:LYS:HB3	9	1.29
(1,3089)	1:48:A:ILE:HG21	1:49:A:LYS:HB3	8	1.29
(1,3089)	1:48:A:ILE:HG23	1:49:A:LYS:HB3	9	1.29
(1,3088)	1:30:B:LYS:HD3	1:67:B:GLU:HG3	7	1.29
(1,3087)	1:30:A:LYS:HD3	1:67:A:GLU:HG3	7	1.29
(1,2987)	1:56:A:GLU:HG3	1:57:A:ILE:HG13	7	1.29
(1,2957)	1:34:A:LYS:HB2	1:48:A:ILE:HG13	14	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2854)	1:73:B:GLU:HB3	1:77:B:LEU:HB2	17	1.29
(1,2853)	1:73:A:GLU:HB3	1:77:A:LEU:HB2	17	1.29
(1,2821)	1:89:A:THR:HG22	1:46:A:LYS:HG2	19	1.29
(1,2644)	1:50:B:ASP:HB3	1:51:B:LYS:HB2	8	1.29
(1,2566)	1:86:B:HIS:HB3	1:83:B:LYS:HB3	17	1.29
(1,2565)	1:86:A:HIS:HB3	1:9:B:GLU:HB2	7	1.29
(1,2565)	1:86:A:HIS:HB3	1:9:B:GLU:HB2	14	1.29
(1,2565)	1:86:A:HIS:HB3	1:83:A:LYS:HB3	17	1.29
(1,2562)	1:91:B:LYS:HE3	1:83:B:LYS:HB3	3	1.29
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG2	10	1.29
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG2	10	1.29
(1,2386)	1:8:B:LEU:HB2	1:9:B:GLU:HG3	8	1.29
(1,2158)	1:82:B:LEU:HG	1:12:A:VAL:HA	10	1.29
(1,1696)	1:83:B:LYS:HE3	1:71:A:PHE:HB2	7	1.29
(1,778)	1:61:B:LEU:HD23	1:76:B:SER:HB3	6	1.29
(1,777)	1:61:A:LEU:HD23	1:76:A:SER:HB3	6	1.29
(1,633)	1:52:A:ALA:HB2	1:50:A:ASP:HB2	15	1.29
(1,352)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	11	1.29
(1,352)	1:30:B:LYS:HE3	1:51:B:LYS:HE2	19	1.29
(1,351)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	11	1.29
(1,12)	1:75:B:ILE:HD12	1:83:A:LYS:HB3	12	1.29
(2,80)	1:58:B:PHE:HB2	1:61:B:LEU:HB3	4	1.28
(2,80)	1:58:B:PHE:HB2	1:61:B:LEU:HB3	19	1.28
(2,79)	1:58:A:PHE:HB2	1:61:A:LEU:HB3	4	1.28
(2,79)	1:58:A:PHE:HB2	1:61:A:LEU:HB3	19	1.28
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD12	7	1.28
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD12	7	1.28
(1,3712)	1:59:B:GLN:H	1:61:B:LEU:HB3	4	1.28
(1,3430)	1:56:B:GLU:H	1:51:B:LYS:HE2	17	1.28
(1,3429)	1:56:A:GLU:H	1:51:A:LYS:HE2	17	1.28
(1,3142)	1:45:B:ILE:HG23	1:91:B:LYS:HB2	6	1.28
(1,3141)	1:45:A:ILE:HG23	1:91:A:LYS:HB2	6	1.28
(1,3090)	1:48:B:ILE:HG21	1:49:B:LYS:HB3	13	1.28
(1,3089)	1:48:A:ILE:HG21	1:49:A:LYS:HB2	3	1.28
(1,3089)	1:48:A:ILE:HG21	1:49:A:LYS:HB3	13	1.28
(1,2937)	1:7:A:HIS:HB2	1:82:B:LEU:HG	8	1.28
(1,2618)	1:39:B:LYS:HB3	1:40:B:GLU:HB3	5	1.28
(1,2617)	1:39:A:LYS:HB3	1:40:A:GLU:HB3	5	1.28
(1,2561)	1:91:A:LYS:HE3	1:83:A:LYS:HB3	3	1.28
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG2	4	1.28
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG2	11	1.28
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG2	4	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG2	11	1.28
(1,2386)	1:8:B:LEU:HB3	1:12:B:VAL:HB	20	1.28
(1,2385)	1:8:A:LEU:HB3	1:12:A:VAL:HB	20	1.28
(1,2158)	1:82:B:LEU:HG	1:7:A:HIS:HB2	8	1.28
(1,1697)	1:8:A:LEU:HG	1:11:B:ILE:HB	2	1.28
(1,634)	1:52:B:ALA:HB2	1:50:B:ASP:HB2	9	1.28
(1,633)	1:52:A:ALA:HB3	1:50:A:ASP:HB2	6	1.28
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG3	16	1.28
(2,80)	1:58:B:PHE:HB2	1:61:B:LEU:HB3	13	1.27
(2,79)	1:58:A:PHE:HB2	1:61:A:LEU:HB3	13	1.27
(1,3816)	1:33:B:LEU:H	1:37:B:LEU:HD11	20	1.27
(1,3815)	1:33:A:LEU:H	1:37:A:LEU:HD11	20	1.27
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG21	8	1.27
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG21	8	1.27
(1,3712)	1:59:B:GLN:H	1:61:B:LEU:HB3	5	1.27
(1,3711)	1:59:A:GLN:H	1:61:A:LEU:HB3	5	1.27
(1,3648)	1:8:B:LEU:H	1:81:A:ALA:HB3	7	1.27
(1,3647)	1:8:A:LEU:H	1:81:B:ALA:HB3	7	1.27
(1,3647)	1:8:A:LEU:H	1:85:B:ALA:HB2	13	1.27
(1,3580)	1:8:B:LEU:H	1:41:A:LEU:HB3	17	1.27
(1,3579)	1:8:A:LEU:H	1:41:B:LEU:HB3	17	1.27
(1,3090)	1:48:B:ILE:HG23	1:49:B:LYS:HB2	7	1.27
(1,3090)	1:48:B:ILE:HG22	1:49:B:LYS:HB2	17	1.27
(1,3089)	1:48:A:ILE:HG23	1:49:A:LYS:HB2	7	1.27
(1,3089)	1:48:A:ILE:HG22	1:49:A:LYS:HB2	17	1.27
(1,2987)	1:56:A:GLU:HG3	1:57:A:ILE:HG13	14	1.27
(1,2648)	1:67:B:GLU:HG3	1:68:B:GLN:HB2	6	1.27
(1,2647)	1:67:A:GLU:HG3	1:68:A:GLN:HB2	6	1.27
(1,2566)	1:86:B:HIS:HB3	1:9:A:GLU:HB2	14	1.27
(1,2509)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	11	1.27
(1,2060)	1:83:B:LYS:HD3	1:79:B:ALA:HA	3	1.27
(1,2059)	1:83:A:LYS:HD3	1:79:A:ALA:HA	3	1.27
(1,1698)	1:8:B:LEU:HG	1:11:A:ILE:HB	2	1.27
(1,841)	1:78:A:VAL:HG13	1:36:A:LEU:HD23	5	1.27
(1,778)	1:61:B:LEU:HD23	1:76:B:SER:HB3	5	1.27
(1,777)	1:61:A:LEU:HD23	1:76:A:SER:HB3	5	1.27
(1,634)	1:52:B:ALA:HB3	1:50:B:ASP:HB2	6	1.27
(1,633)	1:52:A:ALA:HB2	1:50:A:ASP:HB2	9	1.27
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG3	16	1.27
(1,396)	1:50:B:ASP:HB3	1:47:B:ASN:HB2	2	1.27
(1,396)	1:50:B:ASP:HB3	1:47:B:ASN:HB2	7	1.27
(1,395)	1:50:A:ASP:HB3	1:47:A:ASN:HB2	7	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,352)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	16	1.27
(1,343)	1:83:A:LYS:HE3	1:87:A:TYR:HB2	17	1.27
(1,11)	1:75:A:ILE:HD12	1:83:B:LYS:HB3	3	1.27
(2,80)	1:58:B:PHE:HB2	1:61:B:LEU:HB3	5	1.26
(2,79)	1:58:A:PHE:HB2	1:61:A:LEU:HB3	5	1.26
(2,79)	1:58:A:PHE:HB2	1:61:A:LEU:HB3	7	1.26
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD12	17	1.26
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD12	17	1.26
(1,3772)	1:54:B:ILE:H	1:53:B:VAL:HG21	7	1.26
(1,3771)	1:54:A:ILE:H	1:53:A:VAL:HG21	7	1.26
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD11	7	1.26
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD11	7	1.26
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD11	7	1.26
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD11	7	1.26
(1,3712)	1:59:B:GLN:H	1:61:B:LEU:HB3	9	1.26
(1,3712)	1:59:B:GLN:H	1:61:B:LEU:HB3	14	1.26
(1,3711)	1:59:A:GLN:H	1:61:A:LEU:HB3	9	1.26
(1,3711)	1:59:A:GLN:H	1:61:A:LEU:HB3	14	1.26
(1,3142)	1:45:B:ILE:HG21	1:91:B:LYS:HB2	15	1.26
(1,3141)	1:45:A:ILE:HG21	1:91:A:LYS:HB2	15	1.26
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD23	15	1.26
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD23	15	1.26
(1,2988)	1:56:B:GLU:HG3	1:57:B:ILE:HG13	14	1.26
(1,2964)	1:91:B:LYS:HD3	1:44:B:THR:HG22	19	1.26
(1,2963)	1:91:A:LYS:HD3	1:44:A:THR:HG22	19	1.26
(1,2958)	1:34:B:LYS:HB2	1:48:B:ILE:HG13	8	1.26
(1,2957)	1:34:A:LYS:HB2	1:48:A:ILE:HG13	8	1.26
(1,2937)	1:7:A:HIS:HB3	1:82:B:LEU:HG	2	1.26
(1,2510)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	11	1.26
(1,2374)	1:71:B:PHE:HB3	1:74:B:PHE:HA	5	1.26
(1,2373)	1:71:A:PHE:HB3	1:74:A:PHE:HA	5	1.26
(1,2158)	1:82:B:LEU:HG	1:7:A:HIS:HB3	2	1.26
(1,1748)	1:91:B:LYS:H	1:84:B:ALA:HB1	17	1.26
(1,1747)	1:91:A:LYS:H	1:84:A:ALA:HB1	17	1.26
(1,842)	1:78:B:VAL:HG13	1:36:B:LEU:HD23	5	1.26
(1,778)	1:61:B:LEU:HD23	1:76:B:SER:HB3	9	1.26
(1,777)	1:61:A:LEU:HD23	1:76:A:SER:HB3	9	1.26
(1,634)	1:52:B:ALA:HB2	1:50:B:ASP:HB2	2	1.26
(1,633)	1:52:A:ALA:HB2	1:50:A:ASP:HB2	2	1.26
(1,395)	1:50:A:ASP:HB3	1:47:A:ASN:HB2	2	1.26
(1,351)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	16	1.26
(1,344)	1:83:B:LYS:HE3	1:87:B:TYR:HB2	17	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12)	1:75:B:ILE:HD12	1:83:A:LYS:HB3	3	1.26
(1,11)	1:75:A:ILE:HD12	1:83:B:LYS:HB3	12	1.26
(2,80)	1:58:B:PHE:HB2	1:61:B:LEU:HB3	7	1.25
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD12	18	1.25
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD12	18	1.25
(1,3771)	1:54:A:ILE:H	1:53:A:VAL:HG23	19	1.25
(1,3712)	1:59:B:GLN:H	1:61:B:LEU:HB3	10	1.25
(1,3711)	1:59:A:GLN:H	1:61:A:LEU:HB3	10	1.25
(1,3090)	1:48:B:ILE:HG23	1:49:B:LYS:HB2	18	1.25
(1,3089)	1:48:A:ILE:HG23	1:49:A:LYS:HB2	18	1.25
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD23	2	1.25
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD21	16	1.25
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD23	2	1.25
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD21	16	1.25
(1,2938)	1:7:B:HIS:HB3	1:82:A:LEU:HG	2	1.25
(1,2853)	1:52:A:ALA:HB3	1:56:A:GLU:HB2	8	1.25
(1,2385)	1:8:A:LEU:HB2	1:9:A:GLU:HG3	3	1.25
(1,2204)	1:84:B:ALA:HB3	1:87:B:TYR:HB3	13	1.25
(1,2203)	1:84:A:ALA:HB3	1:87:A:TYR:HB3	13	1.25
(1,2158)	1:82:B:LEU:HG	1:12:A:VAL:HA	13	1.25
(1,2158)	1:82:B:LEU:HG	1:7:A:HIS:HB3	15	1.25
(1,2157)	1:82:A:LEU:HG	1:7:B:HIS:HB3	2	1.25
(1,512)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	15	1.25
(1,511)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	15	1.25
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG3	11	1.25
(1,395)	1:50:A:ASP:HB3	1:47:A:ASN:HB2	1	1.25
(1,344)	1:83:B:LYS:HE3	1:87:B:TYR:HB2	13	1.25
(1,344)	1:83:B:LYS:HE3	1:87:B:TYR:HB2	20	1.25
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD12	14	1.24
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD13	9	1.24
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD12	14	1.24
(1,3772)	1:54:B:ILE:H	1:53:B:VAL:HG23	19	1.24
(1,3712)	1:59:B:GLN:H	1:61:B:LEU:HB3	8	1.24
(1,3711)	1:59:A:GLN:H	1:61:A:LEU:HB3	8	1.24
(1,3580)	1:8:B:LEU:H	1:41:A:LEU:HB3	9	1.24
(1,3580)	1:8:B:LEU:H	1:40:A:GLU:HB3	18	1.24
(1,3579)	1:8:A:LEU:H	1:40:B:GLU:HB3	18	1.24
(1,3230)	1:75:B:ILE:HD11	1:78:A:VAL:HG13	4	1.24
(1,3229)	1:75:A:ILE:HD11	1:78:B:VAL:HG13	4	1.24
(1,3142)	1:80:B:ILE:HG22	1:91:B:LYS:HB2	12	1.24
(1,3141)	1:80:A:ILE:HG22	1:91:A:LYS:HB2	12	1.24
(1,3090)	1:48:B:ILE:HG22	1:49:B:LYS:HB2	19	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3089)	1:48:A:ILE:HG22	1:49:A:LYS:HB2	19	1.24
(1,3042)	1:44:B:THR:HG23	1:12:A:VAL:HG12	1	1.24
(1,3041)	1:44:A:THR:HG23	1:12:B:VAL:HG12	1	1.24
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD22	12	1.24
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD22	12	1.24
(1,2964)	1:91:B:LYS:HD3	1:44:B:THR:HG23	8	1.24
(1,2963)	1:91:A:LYS:HD3	1:44:A:THR:HG23	8	1.24
(1,2854)	1:52:B:ALA:HB3	1:56:B:GLU:HB2	20	1.24
(1,2853)	1:52:A:ALA:HB3	1:56:A:GLU:HB2	20	1.24
(1,2804)	1:49:B:LYS:HG2	1:47:B:ASN:HB3	5	1.24
(1,2803)	1:49:A:LYS:HG2	1:47:A:ASN:HB3	5	1.24
(1,2595)	1:85:A:ALA:HB3	1:9:B:GLU:HB2	5	1.24
(1,2592)	1:89:B:THR:HG21	1:83:B:LYS:HB3	3	1.24
(1,2592)	1:89:B:THR:HG22	1:83:B:LYS:HB3	13	1.24
(1,2591)	1:89:A:THR:HG21	1:83:A:LYS:HB3	3	1.24
(1,2458)	1:37:B:LEU:HG	1:35:B:GLN:HG2	19	1.24
(1,2386)	1:8:B:LEU:HB2	1:9:B:GLU:HG3	3	1.24
(1,2386)	1:8:B:LEU:HB3	1:12:B:VAL:HB	10	1.24
(1,2385)	1:8:A:LEU:HB3	1:12:A:VAL:HB	10	1.24
(1,2158)	1:82:B:LEU:HG	1:7:A:HIS:HB2	17	1.24
(1,2157)	1:82:A:LEU:HG	1:12:B:VAL:HA	13	1.24
(1,2157)	1:82:A:LEU:HG	1:7:B:HIS:HB2	17	1.24
(1,1846)	1:54:B:ILE:H	1:48:B:ILE:HG12	12	1.24
(1,1846)	1:54:B:ILE:H	1:48:B:ILE:HG12	13	1.24
(1,1845)	1:54:A:ILE:H	1:48:A:ILE:HG12	13	1.24
(1,1698)	1:8:B:LEU:HG	1:11:A:ILE:HB	8	1.24
(1,822)	1:79:B:ALA:HB3	1:75:A:ILE:HG13	3	1.24
(1,821)	1:79:A:ALA:HB3	1:75:B:ILE:HG13	3	1.24
(1,634)	1:52:B:ALA:HB1	1:50:B:ASP:HB2	7	1.24
(1,633)	1:52:A:ALA:HB1	1:50:A:ASP:HB2	7	1.24
(1,512)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	18	1.24
(1,511)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	18	1.24
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG3	11	1.24
(1,343)	1:83:A:LYS:HE3	1:87:A:TYR:HB2	20	1.24
(2,79)	1:58:A:PHE:HB2	1:61:A:LEU:HB3	3	1.23
(2,32)	1:35:B:GLN:HB3	1:31:B:GLY:HA2	16	1.23
(2,31)	1:35:A:GLN:HB3	1:31:A:GLY:HA2	9	1.23
(2,31)	1:35:A:GLN:HB3	1:31:A:GLY:HA2	16	1.23
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD13	4	1.23
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD21	5	1.23
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD12	6	1.23
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD13	9	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD13	4	1.23
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD21	5	1.23
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD12	6	1.23
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD23	15	1.23
(1,3772)	1:41:B:LEU:H	1:48:B:ILE:HG22	12	1.23
(1,3772)	1:41:B:LEU:H	1:48:B:ILE:HG23	14	1.23
(1,3771)	1:41:A:LEU:H	1:48:A:ILE:HG22	12	1.23
(1,3771)	1:41:A:LEU:H	1:48:A:ILE:HG23	14	1.23
(1,3712)	1:59:B:GLN:H	1:61:B:LEU:HB3	7	1.23
(1,3712)	1:59:B:GLN:H	1:61:B:LEU:HB3	11	1.23
(1,3712)	1:59:B:GLN:H	1:61:B:LEU:HB3	12	1.23
(1,3711)	1:59:A:GLN:H	1:61:A:LEU:HB3	7	1.23
(1,3711)	1:59:A:GLN:H	1:61:A:LEU:HB3	11	1.23
(1,3711)	1:59:A:GLN:H	1:61:A:LEU:HB3	12	1.23
(1,3647)	1:8:A:LEU:H	1:81:B:ALA:HB2	18	1.23
(1,3647)	1:8:A:LEU:H	1:85:B:ALA:HB3	19	1.23
(1,3579)	1:8:A:LEU:H	1:41:B:LEU:HB3	9	1.23
(1,3090)	1:48:B:ILE:HG22	1:49:B:LYS:HB3	2	1.23
(1,3090)	1:48:B:ILE:HG23	1:49:B:LYS:HB2	12	1.23
(1,3089)	1:48:A:ILE:HG22	1:49:A:LYS:HB3	2	1.23
(1,3089)	1:48:A:ILE:HG23	1:49:A:LYS:HB2	12	1.23
(1,3042)	1:44:B:THR:HG22	1:12:A:VAL:HG12	13	1.23
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD22	19	1.23
(1,2964)	1:91:B:LYS:HD3	1:44:B:THR:HG21	11	1.23
(1,2963)	1:91:A:LYS:HD3	1:44:A:THR:HG21	11	1.23
(1,2854)	1:52:B:ALA:HB3	1:56:B:GLU:HB2	8	1.23
(1,2804)	1:49:B:LYS:HG2	1:47:B:ASN:HB3	6	1.23
(1,2803)	1:49:A:LYS:HG2	1:47:A:ASN:HB3	6	1.23
(1,2644)	1:50:B:ASP:HB3	1:49:B:LYS:HB2	18	1.23
(1,2643)	1:50:A:ASP:HB3	1:49:A:LYS:HB2	18	1.23
(1,2596)	1:85:B:ALA:HB3	1:9:A:GLU:HB2	5	1.23
(1,2592)	1:89:B:THR:HG22	1:83:B:LYS:HB3	4	1.23
(1,2591)	1:89:A:THR:HG22	1:83:A:LYS:HB3	4	1.23
(1,2458)	1:37:B:LEU:HG	1:40:B:GLU:HG3	1	1.23
(1,2457)	1:37:A:LEU:HG	1:40:A:GLU:HG3	1	1.23
(1,2457)	1:37:A:LEU:HG	1:35:A:GLN:HG2	19	1.23
(1,2386)	1:8:B:LEU:HB2	1:9:B:GLU:HG2	15	1.23
(1,2157)	1:82:A:LEU:HG	1:7:B:HIS:HB3	15	1.23
(1,2052)	1:8:B:LEU:HA	1:79:A:ALA:HA	3	1.23
(1,2051)	1:8:A:LEU:HA	1:79:B:ALA:HA	3	1.23
(1,1864)	1:18:B:TYR:H	1:36:B:LEU:HD21	6	1.23
(1,1863)	1:18:A:TYR:H	1:36:A:LEU:HD21	6	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1845)	1:54:A:ILE:H	1:48:A:ILE:HG12	12	1.23
(1,1710)	1:80:B:ILE:HB	1:75:A:ILE:HD11	6	1.23
(1,1709)	1:80:A:ILE:HB	1:75:B:ILE:HD11	6	1.23
(1,1698)	1:8:B:LEU:HG	1:11:A:ILE:HB	10	1.23
(1,1697)	1:8:A:LEU:HG	1:11:B:ILE:HB	8	1.23
(1,634)	1:52:B:ALA:HB3	1:50:B:ASP:HB2	13	1.23
(1,396)	1:50:B:ASP:HB3	1:47:B:ASN:HB2	1	1.23
(1,343)	1:83:A:LYS:HE3	1:87:A:TYR:HB2	13	1.23
(2,80)	1:58:B:PHE:HB2	1:61:B:LEU:HB3	3	1.22
(2,32)	1:35:B:GLN:HB3	1:31:B:GLY:HA2	9	1.22
(2,32)	1:35:B:GLN:HB3	1:31:B:GLY:HA2	11	1.22
(2,31)	1:35:A:GLN:HB3	1:31:A:GLY:HA2	11	1.22
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD21	2	1.22
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD23	15	1.22
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD21	2	1.22
(1,3648)	1:8:B:LEU:H	1:81:A:ALA:HB2	18	1.22
(1,3648)	1:8:B:LEU:H	1:85:A:ALA:HB3	19	1.22
(1,3229)	1:75:A:ILE:HD13	1:78:B:VAL:HG12	6	1.22
(1,3090)	1:48:B:ILE:HG22	1:49:B:LYS:HB2	20	1.22
(1,3089)	1:48:A:ILE:HG22	1:49:A:LYS:HB2	20	1.22
(1,3042)	1:44:B:THR:HG22	1:12:A:VAL:HG11	9	1.22
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD22	19	1.22
(1,2964)	1:91:B:LYS:HD3	1:44:B:THR:HG22	15	1.22
(1,2963)	1:91:A:LYS:HD3	1:44:A:THR:HG22	15	1.22
(1,2938)	1:7:B:HIS:HB3	1:82:A:LEU:HG	14	1.22
(1,2733)	1:51:A:LYS:HD3	1:31:A:GLY:HA3	18	1.22
(1,2608)	1:33:B:LEU:HB2	1:37:B:LEU:HG	11	1.22
(1,2607)	1:33:A:LEU:HB2	1:37:A:LEU:HG	11	1.22
(1,2591)	1:89:A:THR:HG22	1:83:A:LYS:HB3	13	1.22
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG2	3	1.22
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG2	3	1.22
(1,2385)	1:8:A:LEU:HB2	1:9:A:GLU:HG2	15	1.22
(1,2203)	1:52:A:ALA:HB2	1:51:A:LYS:HE2	11	1.22
(1,2158)	1:82:B:LEU:HG	1:7:A:HIS:HB3	19	1.22
(1,2157)	1:82:A:LEU:HG	1:7:B:HIS:HB3	14	1.22
(1,2036)	1:78:B:VAL:HG21	1:77:B:LEU:HA	14	1.22
(1,2035)	1:78:A:VAL:HG21	1:77:A:LEU:HA	14	1.22
(1,1846)	1:54:B:ILE:H	1:48:B:ILE:HG12	1	1.22
(1,1846)	1:54:B:ILE:H	1:48:B:ILE:HG12	19	1.22
(1,1845)	1:54:A:ILE:H	1:48:A:ILE:HG12	1	1.22
(1,1845)	1:54:A:ILE:H	1:48:A:ILE:HG12	19	1.22
(1,1710)	1:80:B:ILE:HB	1:75:A:ILE:HG23	1	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1709)	1:80:A:ILE:HB	1:75:B:ILE:HG23	1	1.22
(1,822)	1:79:B:ALA:HB2	1:75:A:ILE:HG13	1	1.22
(1,821)	1:79:A:ALA:HB2	1:75:B:ILE:HG13	1	1.22
(1,778)	1:61:B:LEU:HD22	1:76:B:SER:HB3	14	1.22
(1,777)	1:61:A:LEU:HD22	1:76:A:SER:HB3	14	1.22
(1,633)	1:52:A:ALA:HB3	1:50:A:ASP:HB2	13	1.22
(2,80)	1:58:B:PHE:HB2	1:61:B:LEU:HB3	12	1.21
(2,79)	1:58:A:PHE:HB2	1:61:A:LEU:HB3	12	1.21
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD11	3	1.21
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD12	16	1.21
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD11	3	1.21
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD23	19	1.21
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG22	17	1.21
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG22	17	1.21
(1,3772)	1:41:B:LEU:H	1:37:B:LEU:HD21	2	1.21
(1,3771)	1:41:A:LEU:H	1:37:A:LEU:HD21	2	1.21
(1,3694)	1:75:B:ILE:H	1:82:A:LEU:HG	9	1.21
(1,3693)	1:75:A:ILE:H	1:82:B:LEU:HG	9	1.21
(1,3580)	1:8:B:LEU:H	1:41:A:LEU:HB3	15	1.21
(1,3579)	1:8:A:LEU:H	1:41:B:LEU:HB3	2	1.21
(1,3579)	1:8:A:LEU:H	1:40:B:GLU:HB3	14	1.21
(1,3579)	1:8:A:LEU:H	1:41:B:LEU:HB3	15	1.21
(1,3230)	1:75:B:ILE:HD13	1:78:A:VAL:HG12	6	1.21
(1,3090)	1:48:B:ILE:HG21	1:49:B:LYS:HB2	16	1.21
(1,3089)	1:48:A:ILE:HG23	1:49:A:LYS:HB2	5	1.21
(1,3089)	1:48:A:ILE:HG21	1:49:A:LYS:HB2	16	1.21
(1,2963)	1:91:A:LYS:HD3	1:44:A:THR:HG23	13	1.21
(1,2938)	1:7:B:HIS:HB2	1:44:A:THR:HG21	13	1.21
(1,2937)	1:7:A:HIS:HB3	1:82:B:LEU:HG	14	1.21
(1,2734)	1:51:B:LYS:HD3	1:31:B:GLY:HA3	18	1.21
(1,2618)	1:39:B:LYS:HB3	1:40:B:GLU:HB3	6	1.21
(1,2617)	1:39:A:LYS:HB3	1:40:A:GLU:HB3	6	1.21
(1,2457)	1:37:A:LEU:HG	1:40:A:GLU:HG3	5	1.21
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG2	8	1.21
(1,2420)	1:65:B:GLN:HB3	1:59:B:GLN:HA	12	1.21
(1,2158)	1:82:B:LEU:HG	1:7:A:HIS:HB3	14	1.21
(1,2060)	1:83:B:LYS:HD3	1:79:B:ALA:HA	16	1.21
(1,2059)	1:83:A:LYS:HD3	1:79:A:ALA:HA	16	1.21
(1,1440)	1:73:B:GLU:H	1:72:B:GLN:HG2	13	1.21
(1,1439)	1:73:A:GLU:H	1:72:A:GLN:HG2	13	1.21
(1,822)	1:79:B:ALA:HB1	1:75:A:ILE:HG13	11	1.21
(1,778)	1:61:B:LEU:HD21	1:76:B:SER:HB3	17	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD22	1	1.2
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD23	19	1.2
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD22	1	1.2
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD12	16	1.2
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG22	10	1.2
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG22	10	1.2
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG21	17	1.2
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG21	17	1.2
(1,3648)	1:8:B:LEU:H	1:81:A:ALA:HB3	15	1.2
(1,3647)	1:8:A:LEU:H	1:81:B:ALA:HB3	15	1.2
(1,3580)	1:8:B:LEU:H	1:41:A:LEU:HB3	2	1.2
(1,3580)	1:8:B:LEU:H	1:40:A:GLU:HB3	14	1.2
(1,3090)	1:48:B:ILE:HG23	1:49:B:LYS:HB2	5	1.2
(1,2964)	1:91:B:LYS:HD3	1:44:B:THR:HG23	13	1.2
(1,2854)	1:52:B:ALA:HB2	1:56:B:GLU:HB2	14	1.2
(1,2853)	1:52:A:ALA:HB2	1:56:A:GLU:HB2	14	1.2
(1,2618)	1:39:B:LYS:HB3	1:40:B:GLU:HB3	4	1.2
(1,2617)	1:39:A:LYS:HB3	1:40:A:GLU:HB3	4	1.2
(1,2617)	1:39:A:LYS:HB3	1:40:A:GLU:HB3	15	1.2
(1,2612)	1:91:B:LYS:HE3	1:83:B:LYS:HB3	4	1.2
(1,2611)	1:91:A:LYS:HE3	1:83:A:LYS:HB3	4	1.2
(1,2592)	1:89:B:THR:HG21	1:83:B:LYS:HB3	14	1.2
(1,2591)	1:89:A:THR:HG21	1:83:A:LYS:HB3	14	1.2
(1,2458)	1:37:B:LEU:HG	1:40:B:GLU:HG3	5	1.2
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG2	8	1.2
(1,2440)	1:37:B:LEU:HD11	1:35:B:GLN:HB3	20	1.2
(1,2439)	1:37:A:LEU:HD11	1:35:A:GLN:HB3	20	1.2
(1,2419)	1:65:A:GLN:HB3	1:59:A:GLN:HA	12	1.2
(1,2374)	1:71:B:PHE:HB3	1:74:B:PHE:HA	13	1.2
(1,2374)	1:71:B:PHE:HB3	1:74:B:PHE:HA	15	1.2
(1,2373)	1:71:A:PHE:HB3	1:74:A:PHE:HA	3	1.2
(1,2373)	1:71:A:PHE:HB3	1:74:A:PHE:HA	13	1.2
(1,2373)	1:71:A:PHE:HB3	1:74:A:PHE:HA	15	1.2
(1,2204)	1:52:B:ALA:HB2	1:51:B:LYS:HE2	11	1.2
(1,2192)	1:46:B:LYS:HE3	1:90:B:HIS:HB2	11	1.2
(1,2191)	1:46:A:LYS:HE3	1:90:A:HIS:HB2	11	1.2
(1,2157)	1:82:A:LEU:HG	1:7:B:HIS:HB3	19	1.2
(1,1864)	1:18:B:TYR:H	1:36:B:LEU:HD21	20	1.2
(1,1863)	1:18:A:TYR:H	1:36:A:LEU:HD21	20	1.2
(1,1697)	1:8:A:LEU:HG	1:11:B:ILE:HB	10	1.2
(1,821)	1:79:A:ALA:HB1	1:75:B:ILE:HG13	11	1.2
(1,778)	1:61:B:LEU:HD21	1:76:B:SER:HB3	1	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:61:A:LEU:HD21	1:76:A:SER:HB3	1	1.2
(1,777)	1:61:A:LEU:HD21	1:76:A:SER:HB3	17	1.2
(1,477)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	11	1.2
(1,396)	1:50:B:ASP:HB3	1:47:B:ASN:HB2	17	1.2
(1,395)	1:50:A:ASP:HB3	1:47:A:ASN:HB2	17	1.2
(1,352)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	6	1.2
(2,136)	1:18:B:TYR:H	1:32:B:GLU:HB2	8	1.19
(2,135)	1:18:A:TYR:H	1:32:A:GLU:HB2	8	1.19
(2,80)	1:58:B:PHE:HB2	1:61:B:LEU:HB3	9	1.19
(2,79)	1:58:A:PHE:HB2	1:61:A:LEU:HB3	9	1.19
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD13	12	1.19
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD13	12	1.19
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG22	15	1.19
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG22	15	1.19
(1,3772)	1:54:B:ILE:H	1:48:B:ILE:HD11	20	1.19
(1,3771)	1:54:A:ILE:H	1:48:A:ILE:HD11	20	1.19
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG22	20	1.19
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG21	8	1.19
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG22	20	1.19
(1,3041)	1:44:A:THR:HG22	1:12:B:VAL:HG11	9	1.19
(1,2964)	1:91:B:LYS:HD3	1:44:B:THR:HG23	9	1.19
(1,2963)	1:91:A:LYS:HD3	1:44:A:THR:HG23	9	1.19
(1,2618)	1:39:B:LYS:HB3	1:40:B:GLU:HB3	15	1.19
(1,2618)	1:39:B:LYS:HB3	1:40:B:GLU:HB3	19	1.19
(1,2617)	1:39:A:LYS:HB3	1:40:A:GLU:HB3	19	1.19
(1,2592)	1:89:B:THR:HG21	1:83:B:LYS:HB3	2	1.19
(1,2510)	1:83:B:LYS:HE3	1:72:A:GLN:HB3	20	1.19
(1,2509)	1:83:A:LYS:HE3	1:72:B:GLN:HB3	12	1.19
(1,2446)	1:37:B:LEU:HB3	1:40:B:GLU:HG2	6	1.19
(1,2445)	1:37:A:LEU:HB3	1:40:A:GLU:HG2	6	1.19
(1,2430)	1:67:B:GLU:HG3	1:59:B:GLN:HG2	16	1.19
(1,2429)	1:67:A:GLU:HG3	1:59:A:GLN:HG2	11	1.19
(1,2429)	1:67:A:GLU:HG3	1:59:A:GLN:HG2	16	1.19
(1,2386)	1:8:B:LEU:HB3	1:12:B:VAL:HB	16	1.19
(1,2385)	1:8:A:LEU:HB3	1:12:A:VAL:HB	16	1.19
(1,2374)	1:71:B:PHE:HB3	1:74:B:PHE:HA	3	1.19
(1,2204)	1:52:B:ALA:HB2	1:51:B:LYS:HE2	10	1.19
(1,2158)	1:82:B:LEU:HG	1:12:A:VAL:HA	16	1.19
(1,1864)	1:18:B:TYR:H	1:36:B:LEU:HD23	5	1.19
(1,1863)	1:18:A:TYR:H	1:36:A:LEU:HD23	5	1.19
(1,1698)	1:8:B:LEU:HG	1:11:A:ILE:HB	6	1.19
(1,1697)	1:8:A:LEU:HG	1:11:B:ILE:HB	16	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1576)	1:75:B:ILE:H	1:75:B:ILE:HG12	5	1.19
(1,1575)	1:75:A:ILE:H	1:75:A:ILE:HG12	5	1.19
(1,854)	1:78:B:VAL:HG13	1:45:B:ILE:HD12	5	1.19
(1,853)	1:78:A:VAL:HG13	1:45:A:ILE:HD12	5	1.19
(1,821)	1:79:A:ALA:HB2	1:75:B:ILE:HG13	12	1.19
(1,654)	1:37:B:LEU:HB2	1:48:B:ILE:HG12	7	1.19
(1,653)	1:37:A:LEU:HB2	1:48:A:ILE:HG12	7	1.19
(1,634)	1:52:B:ALA:HB1	1:50:B:ASP:HB2	1	1.19
(1,478)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	11	1.19
(1,395)	1:50:A:ASP:HB3	1:47:A:ASN:HB2	12	1.19
(1,351)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	6	1.19
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD11	10	1.18
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG22	20	1.18
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG22	20	1.18
(1,3771)	1:41:A:LEU:H	1:48:A:ILE:HG23	1	1.18
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG21	8	1.18
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG22	10	1.18
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG22	10	1.18
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD13	12	1.18
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD13	12	1.18
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD13	12	1.18
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD13	12	1.18
(1,3648)	1:8:B:LEU:H	1:81:A:ALA:HB2	17	1.18
(1,3647)	1:8:A:LEU:H	1:81:B:ALA:HB2	17	1.18
(1,3444)	1:41:B:LEU:H	1:49:B:LYS:HE3	16	1.18
(1,3443)	1:41:A:LEU:H	1:49:A:LYS:HE3	16	1.18
(1,3090)	1:48:B:ILE:HG21	1:49:B:LYS:HB2	11	1.18
(1,2988)	1:56:B:GLU:HG3	1:57:B:ILE:HG13	9	1.18
(1,2958)	1:34:B:LYS:HB2	1:48:B:ILE:HG13	17	1.18
(1,2957)	1:34:A:LYS:HB2	1:48:A:ILE:HG13	17	1.18
(1,2937)	1:7:A:HIS:HB2	1:44:B:THR:HG21	13	1.18
(1,2594)	1:81:B:ALA:HB3	1:80:B:ILE:HB	8	1.18
(1,2593)	1:81:A:ALA:HB3	1:80:A:ILE:HB	8	1.18
(1,2591)	1:89:A:THR:HG21	1:83:A:LYS:HB3	2	1.18
(1,2561)	1:91:A:LYS:HE3	1:83:A:LYS:HB3	4	1.18
(1,2430)	1:67:B:GLU:HG3	1:59:B:GLN:HG2	11	1.18
(1,2386)	1:8:B:LEU:HB3	1:12:B:VAL:HB	7	1.18
(1,2385)	1:8:A:LEU:HB3	1:12:A:VAL:HB	7	1.18
(1,2374)	1:71:B:PHE:HB3	1:74:B:PHE:HA	2	1.18
(1,2373)	1:71:A:PHE:HB3	1:74:A:PHE:HA	2	1.18
(1,2203)	1:52:A:ALA:HB2	1:51:A:LYS:HE2	10	1.18
(1,2157)	1:82:A:LEU:HG	1:12:B:VAL:HA	16	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2036)	1:78:B:VAL:HG21	1:77:B:LEU:HA	2	1.18
(1,2036)	1:78:B:VAL:HG23	1:77:B:LEU:HA	13	1.18
(1,2036)	1:78:B:VAL:HG23	1:77:B:LEU:HA	15	1.18
(1,2035)	1:78:A:VAL:HG23	1:77:A:LEU:HA	13	1.18
(1,2035)	1:78:A:VAL:HG23	1:77:A:LEU:HA	15	1.18
(1,1698)	1:8:B:LEU:HG	1:11:A:ILE:HB	16	1.18
(1,1697)	1:8:A:LEU:HG	1:11:B:ILE:HB	6	1.18
(1,822)	1:79:B:ALA:HB2	1:75:A:ILE:HG13	12	1.18
(1,633)	1:52:A:ALA:HB1	1:50:A:ASP:HB2	1	1.18
(1,512)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	19	1.18
(1,511)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	19	1.18
(1,396)	1:50:B:ASP:HB3	1:47:B:ASN:HB2	12	1.18
(2,80)	1:58:B:PHE:HB2	1:61:B:LEU:HB3	11	1.17
(2,80)	1:58:B:PHE:HB2	1:61:B:LEU:HB3	20	1.17
(2,79)	1:58:A:PHE:HB2	1:61:A:LEU:HB3	11	1.17
(2,79)	1:58:A:PHE:HB2	1:61:A:LEU:HB3	20	1.17
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD11	10	1.17
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG23	9	1.17
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG23	9	1.17
(1,3772)	1:41:B:LEU:H	1:48:B:ILE:HG23	1	1.17
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG23	19	1.17
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG23	19	1.17
(1,3580)	1:8:B:LEU:H	1:40:A:GLU:HB3	4	1.17
(1,3579)	1:8:A:LEU:H	1:40:B:GLU:HB3	4	1.17
(1,3258)	1:7:B:HIS:H	1:7:A:HIS:H	17	1.17
(1,3257)	1:7:A:HIS:H	1:7:B:HIS:H	17	1.17
(1,3090)	1:48:B:ILE:HG21	1:49:B:LYS:HB2	4	1.17
(1,3089)	1:48:A:ILE:HG21	1:49:A:LYS:HB2	4	1.17
(1,3089)	1:48:A:ILE:HG21	1:49:A:LYS:HB2	11	1.17
(1,3041)	1:44:A:THR:HG22	1:12:B:VAL:HG12	13	1.17
(1,2987)	1:56:A:GLU:HG3	1:57:A:ILE:HG13	9	1.17
(1,2958)	1:34:B:LYS:HB2	1:48:B:ILE:HG13	12	1.17
(1,2957)	1:34:A:LYS:HB2	1:48:A:ILE:HG13	12	1.17
(1,2937)	1:7:A:HIS:HB3	1:82:B:LEU:HG	7	1.17
(1,2854)	1:52:B:ALA:HB1	1:56:B:GLU:HB2	16	1.17
(1,2853)	1:52:A:ALA:HB1	1:56:A:GLU:HB2	16	1.17
(1,2842)	1:52:B:ALA:HB3	1:55:B:ASP:HB2	7	1.17
(1,2842)	1:52:B:ALA:HB1	1:55:B:ASP:HB2	15	1.17
(1,2841)	1:52:A:ALA:HB3	1:55:A:ASP:HB2	7	1.17
(1,2841)	1:52:A:ALA:HB1	1:55:A:ASP:HB2	15	1.17
(1,2733)	1:51:A:LYS:HD3	1:31:A:GLY:HA3	20	1.17
(1,2722)	1:53:B:VAL:HG22	1:54:B:ILE:HG13	10	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2721)	1:53:A:VAL:HG22	1:54:A:ILE:HG13	10	1.17
(1,2594)	1:81:B:ALA:HB2	1:80:B:ILE:HB	3	1.17
(1,2593)	1:81:A:ALA:HB2	1:80:A:ILE:HB	3	1.17
(1,2562)	1:91:B:LYS:HE3	1:83:B:LYS:HB3	4	1.17
(1,2509)	1:83:A:LYS:HE3	1:72:B:GLN:HB3	20	1.17
(1,2440)	1:37:B:LEU:HD13	1:35:B:GLN:HB3	19	1.17
(1,2439)	1:37:A:LEU:HD13	1:35:A:GLN:HB3	19	1.17
(1,2324)	1:37:B:LEU:HD12	1:30:B:LYS:HE3	4	1.17
(1,2323)	1:37:A:LEU:HD12	1:30:A:LYS:HE3	4	1.17
(1,2268)	1:75:B:ILE:HD13	1:75:B:ILE:HA	2	1.17
(1,2035)	1:78:A:VAL:HG21	1:77:A:LEU:HA	2	1.17
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG13	4	1.17
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG11	11	1.17
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG13	4	1.17
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG11	11	1.17
(1,654)	1:37:B:LEU:HB2	1:48:B:ILE:HG12	16	1.17
(1,653)	1:37:A:LEU:HB2	1:48:A:ILE:HG12	16	1.17
(1,634)	1:52:B:ALA:HB3	1:50:B:ASP:HB2	12	1.17
(1,633)	1:52:A:ALA:HB3	1:50:A:ASP:HB2	12	1.17
(1,12)	1:75:B:ILE:HD13	1:83:A:LYS:HB3	8	1.17
(1,11)	1:75:A:ILE:HD13	1:83:B:LYS:HB3	8	1.17
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG21	5	1.16
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG21	5	1.16
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG23	9	1.16
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG22	15	1.16
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG23	16	1.16
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG21	5	1.16
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG23	16	1.16
(1,3662)	1:61:B:LEU:H	1:77:B:LEU:HB2	16	1.16
(1,3661)	1:61:A:LEU:H	1:77:A:LEU:HB2	16	1.16
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD22	9	1.16
(1,2994)	1:34:B:LYS:HB3	1:33:B:LEU:HD21	13	1.16
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD22	14	1.16
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD22	9	1.16
(1,2993)	1:34:A:LYS:HB3	1:33:A:LEU:HD21	13	1.16
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD22	14	1.16
(1,2938)	1:7:B:HIS:HB3	1:82:A:LEU:HG	7	1.16
(1,2734)	1:51:B:LYS:HD3	1:31:B:GLY:HA3	20	1.16
(1,2728)	1:75:B:ILE:HG22	1:91:A:LYS:HD3	4	1.16
(1,2728)	1:75:B:ILE:HG22	1:91:A:LYS:HD3	11	1.16
(1,2727)	1:75:A:ILE:HG22	1:91:B:LYS:HD3	4	1.16
(1,2727)	1:75:A:ILE:HG22	1:91:B:LYS:HD3	11	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2592)	1:89:B:THR:HG21	1:83:B:LYS:HB3	8	1.16
(1,2592)	1:89:B:THR:HG22	1:83:B:LYS:HB3	12	1.16
(1,2591)	1:89:A:THR:HG21	1:83:A:LYS:HB3	8	1.16
(1,2591)	1:89:A:THR:HG22	1:83:A:LYS:HB3	12	1.16
(1,2510)	1:83:B:LYS:HE3	1:72:A:GLN:HB3	12	1.16
(1,2374)	1:71:B:PHE:HB3	1:74:B:PHE:HA	18	1.16
(1,2373)	1:71:A:PHE:HB3	1:74:A:PHE:HA	18	1.16
(1,2267)	1:75:A:ILE:HD13	1:75:A:ILE:HA	2	1.16
(1,2052)	1:8:B:LEU:HA	1:81:A:ALA:HA	8	1.16
(1,2036)	1:78:B:VAL:HG23	1:77:B:LEU:HA	6	1.16
(1,2036)	1:78:B:VAL:HG23	1:77:B:LEU:HA	17	1.16
(1,2036)	1:78:B:VAL:HG23	1:77:B:LEU:HA	20	1.16
(1,2035)	1:78:A:VAL:HG23	1:77:A:LEU:HA	6	1.16
(1,2035)	1:78:A:VAL:HG23	1:77:A:LEU:HA	17	1.16
(1,2035)	1:78:A:VAL:HG23	1:77:A:LEU:HA	20	1.16
(1,1846)	1:54:B:ILE:H	1:48:B:ILE:HG12	20	1.16
(1,1845)	1:54:A:ILE:H	1:48:A:ILE:HG12	20	1.16
(1,396)	1:50:B:ASP:HB3	1:47:B:ASN:HB2	5	1.16
(1,396)	1:50:B:ASP:HB3	1:47:B:ASN:HB2	19	1.16
(1,395)	1:50:A:ASP:HB3	1:47:A:ASN:HB2	5	1.16
(1,395)	1:50:A:ASP:HB3	1:47:A:ASN:HB2	15	1.16
(2,80)	1:58:B:PHE:HB2	1:61:B:LEU:HB3	17	1.15
(2,79)	1:58:A:PHE:HB2	1:61:A:LEU:HB3	17	1.15
(1,3806)	1:50:B:ASP:H	1:48:B:ILE:HD11	11	1.15
(1,3805)	1:50:A:ASP:H	1:48:A:ILE:HD11	11	1.15
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG21	5	1.15
(1,3772)	1:41:B:LEU:H	1:48:B:ILE:HG23	13	1.15
(1,3771)	1:41:A:LEU:H	1:48:A:ILE:HG23	13	1.15
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG23	9	1.15
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG22	15	1.15
(1,3711)	1:59:A:GLN:H	1:61:A:LEU:HB3	3	1.15
(1,3648)	1:8:B:LEU:H	1:81:A:ALA:HB2	20	1.15
(1,3647)	1:8:A:LEU:H	1:81:B:ALA:HB2	20	1.15
(1,3579)	1:8:A:LEU:H	1:41:B:LEU:HB3	20	1.15
(1,3444)	1:41:B:LEU:H	1:49:B:LYS:HE3	2	1.15
(1,3443)	1:41:A:LEU:H	1:49:A:LYS:HE3	2	1.15
(1,3177)	1:45:A:ILE:HG23	1:91:A:LYS:HE2	2	1.15
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD13	16	1.15
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD13	16	1.15
(1,2853)	1:73:A:GLU:HB3	1:77:A:LEU:HB2	6	1.15
(1,2566)	1:86:B:HIS:HB3	1:83:B:LYS:HB3	8	1.15
(1,2565)	1:86:A:HIS:HB3	1:83:A:LYS:HB3	8	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2036)	1:78:B:VAL:HG21	1:77:B:LEU:HA	1	1.15
(1,2036)	1:78:B:VAL:HG22	1:77:B:LEU:HA	12	1.15
(1,2035)	1:78:A:VAL:HG21	1:77:A:LEU:HA	1	1.15
(1,2035)	1:78:A:VAL:HG22	1:77:A:LEU:HA	12	1.15
(1,1846)	1:54:B:ILE:H	1:48:B:ILE:HG12	15	1.15
(1,1748)	1:91:B:LYS:H	1:84:B:ALA:HB1	18	1.15
(1,1747)	1:91:A:LYS:H	1:84:A:ALA:HB1	18	1.15
(1,1694)	1:75:B:ILE:HD13	1:83:A:LYS:HE2	2	1.15
(1,1693)	1:75:A:ILE:HD13	1:83:B:LYS:HE2	2	1.15
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG13	13	1.15
(1,396)	1:50:B:ASP:HB3	1:47:B:ASN:HB2	15	1.15
(1,395)	1:50:A:ASP:HB3	1:47:A:ASN:HB2	19	1.15
(1,3806)	1:50:B:ASP:H	1:48:B:ILE:HD12	8	1.14
(1,3806)	1:36:B:LEU:H	1:36:B:LEU:HD23	20	1.14
(1,3805)	1:50:A:ASP:H	1:48:A:ILE:HD12	8	1.14
(1,3805)	1:36:A:LEU:H	1:36:A:LEU:HD23	20	1.14
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG23	1	1.14
(1,3772)	1:54:B:ILE:H	1:48:B:ILE:HD11	5	1.14
(1,3771)	1:54:A:ILE:H	1:48:A:ILE:HD11	5	1.14
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG23	1	1.14
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG23	1	1.14
(1,3712)	1:59:B:GLN:H	1:61:B:LEU:HB3	3	1.14
(1,3580)	1:8:B:LEU:H	1:41:A:LEU:HB3	20	1.14
(1,3230)	1:75:B:ILE:HD13	1:78:A:VAL:HG13	10	1.14
(1,3178)	1:45:B:ILE:HG23	1:91:B:LYS:HE2	2	1.14
(1,3090)	1:48:B:ILE:HG23	1:49:B:LYS:HB2	15	1.14
(1,3089)	1:48:A:ILE:HG23	1:49:A:LYS:HB2	15	1.14
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD23	7	1.14
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD23	7	1.14
(1,2966)	1:91:B:LYS:HG2	1:89:B:THR:HG23	1	1.14
(1,2938)	1:7:B:HIS:HB2	1:82:A:LEU:HG	1	1.14
(1,2937)	1:7:A:HIS:HB2	1:82:B:LEU:HG	1	1.14
(1,2854)	1:52:B:ALA:HB1	1:56:B:GLU:HB2	2	1.14
(1,2854)	1:73:B:GLU:HB3	1:77:B:LEU:HB2	6	1.14
(1,2853)	1:52:A:ALA:HB1	1:56:A:GLU:HB2	2	1.14
(1,2490)	1:39:B:LYS:HB2	1:40:B:GLU:HG3	12	1.14
(1,2489)	1:39:A:LYS:HB2	1:40:A:GLU:HG3	12	1.14
(1,2430)	1:56:B:GLU:HG3	1:59:B:GLN:HG3	7	1.14
(1,2385)	1:8:A:LEU:HB2	1:9:A:GLU:HG3	19	1.14
(1,2051)	1:8:A:LEU:HA	1:81:B:ALA:HA	8	1.14
(1,2036)	1:78:B:VAL:HG22	1:77:B:LEU:HA	4	1.14
(1,1845)	1:54:A:ILE:H	1:48:A:ILE:HG12	15	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1710)	1:80:B:ILE:HB	1:8:A:LEU:HD22	5	1.14
(1,1709)	1:80:A:ILE:HB	1:8:B:LEU:HD22	5	1.14
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG12	6	1.14
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG13	13	1.14
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG11	14	1.14
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG13	20	1.14
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG12	6	1.14
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG11	14	1.14
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG13	20	1.14
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG2	12	1.14
(1,486)	1:31:B:GLY:HA2	1:32:B:GLU:HG2	17	1.14
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG2	12	1.14
(1,396)	1:50:B:ASP:HB3	1:47:B:ASN:HB2	6	1.14
(1,395)	1:50:A:ASP:HB3	1:47:A:ASN:HB2	6	1.14
(1,344)	1:83:B:LYS:HE3	1:87:B:TYR:HB2	14	1.14
(2,32)	1:35:B:GLN:HB3	1:31:B:GLY:HA2	13	1.13
(2,31)	1:35:A:GLN:HB3	1:31:A:GLY:HA2	13	1.13
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG23	1	1.13
(1,3772)	1:54:B:ILE:H	1:48:B:ILE:HD13	4	1.13
(1,3771)	1:54:A:ILE:H	1:48:A:ILE:HD13	4	1.13
(1,3646)	1:55:B:ASP:H	1:52:B:ALA:HB1	3	1.13
(1,3645)	1:55:A:ASP:H	1:52:A:ALA:HB1	3	1.13
(1,3090)	1:48:B:ILE:HG21	1:49:B:LYS:HB2	14	1.13
(1,3089)	1:48:A:ILE:HG21	1:49:A:LYS:HB2	14	1.13
(1,2965)	1:91:A:LYS:HG2	1:89:A:THR:HG23	1	1.13
(1,2958)	1:34:B:LYS:HB2	1:48:B:ILE:HG13	2	1.13
(1,2958)	1:34:B:LYS:HB2	1:48:B:ILE:HG13	5	1.13
(1,2957)	1:34:A:LYS:HB2	1:48:A:ILE:HG13	2	1.13
(1,2854)	1:52:B:ALA:HB3	1:56:B:GLU:HB2	7	1.13
(1,2853)	1:52:A:ALA:HB3	1:56:A:GLU:HB2	7	1.13
(1,2618)	1:39:B:LYS:HB3	1:40:B:GLU:HB3	2	1.13
(1,2618)	1:39:B:LYS:HB3	1:40:B:GLU:HB3	10	1.13
(1,2617)	1:39:A:LYS:HB3	1:40:A:GLU:HB3	2	1.13
(1,2617)	1:39:A:LYS:HB3	1:40:A:GLU:HB3	10	1.13
(1,2612)	1:91:B:LYS:HE2	1:80:B:ILE:HB	1	1.13
(1,2591)	1:89:A:THR:HG23	1:83:A:LYS:HB3	7	1.13
(1,2489)	1:39:A:LYS:HB2	1:40:A:GLU:HG3	7	1.13
(1,2429)	1:56:A:GLU:HG3	1:59:A:GLN:HG3	7	1.13
(1,2386)	1:8:B:LEU:HB2	1:9:B:GLU:HG3	19	1.13
(1,2374)	1:71:B:PHE:HB3	1:74:B:PHE:HA	11	1.13
(1,2374)	1:71:B:PHE:HB3	1:74:B:PHE:HA	14	1.13
(1,2373)	1:71:A:PHE:HB3	1:74:A:PHE:HA	11	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2373)	1:71:A:PHE:HB3	1:74:A:PHE:HA	14	1.13
(1,2052)	1:8:B:LEU:HA	1:81:A:ALA:HA	12	1.13
(1,2051)	1:8:A:LEU:HA	1:81:B:ALA:HA	12	1.13
(1,2036)	1:78:B:VAL:HG21	1:77:B:LEU:HA	7	1.13
(1,2036)	1:78:B:VAL:HG23	1:77:B:LEU:HA	18	1.13
(1,2035)	1:78:A:VAL:HG22	1:77:A:LEU:HA	4	1.13
(1,2035)	1:78:A:VAL:HG21	1:77:A:LEU:HA	7	1.13
(1,2035)	1:78:A:VAL:HG23	1:77:A:LEU:HA	18	1.13
(1,1710)	1:80:B:ILE:HB	1:8:A:LEU:HD21	4	1.13
(1,1709)	1:80:A:ILE:HB	1:8:B:LEU:HD21	4	1.13
(1,1709)	1:80:A:ILE:HB	1:8:B:LEU:HD21	10	1.13
(1,1695)	1:83:A:LYS:HE3	1:71:B:PHE:HB2	12	1.13
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG12	2	1.13
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG12	10	1.13
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG11	16	1.13
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG11	19	1.13
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG12	2	1.13
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG11	5	1.13
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG12	10	1.13
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG11	16	1.13
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG11	19	1.13
(1,822)	1:79:B:ALA:HB2	1:75:A:ILE:HG13	7	1.13
(1,821)	1:79:A:ALA:HB2	1:75:B:ILE:HG13	7	1.13
(1,810)	1:53:B:VAL:HG13	1:45:B:ILE:HD13	14	1.13
(1,809)	1:53:A:VAL:HG11	1:45:A:ILE:HD12	7	1.13
(1,809)	1:53:A:VAL:HG13	1:45:A:ILE:HD13	14	1.13
(1,485)	1:31:A:GLY:HA2	1:32:A:GLU:HG2	17	1.13
(1,343)	1:83:A:LYS:HE3	1:87:A:TYR:HB2	14	1.13
(2,66)	1:35:B:GLN:HB3	1:32:B:GLU:HB2	16	1.12
(2,65)	1:35:A:GLN:HB3	1:32:A:GLU:HB2	16	1.12
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG22	12	1.12
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG22	12	1.12
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG22	12	1.12
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG22	12	1.12
(1,3580)	1:8:B:LEU:H	1:41:A:LEU:HB3	3	1.12
(1,3579)	1:8:A:LEU:H	1:41:B:LEU:HB3	3	1.12
(1,3514)	1:83:B:LYS:H	1:8:A:LEU:HB3	13	1.12
(1,3490)	1:8:B:LEU:H	1:6:B:GLU:HG2	15	1.12
(1,3489)	1:8:A:LEU:H	1:6:A:GLU:HG2	15	1.12
(1,3229)	1:75:A:ILE:HD13	1:78:B:VAL:HG13	10	1.12
(1,2958)	1:34:B:LYS:HB2	1:48:B:ILE:HG13	10	1.12
(1,2957)	1:34:A:LYS:HB2	1:48:A:ILE:HG13	5	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2957)	1:34:A:LYS:HB2	1:48:A:ILE:HG13	10	1.12
(1,2916)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	1	1.12
(1,2915)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	1	1.12
(1,2842)	1:52:B:ALA:HB2	1:55:B:ASP:HB2	6	1.12
(1,2618)	1:39:B:LYS:HB3	1:40:B:GLU:HB3	13	1.12
(1,2618)	1:39:B:LYS:HB3	1:40:B:GLU:HB3	17	1.12
(1,2617)	1:39:A:LYS:HB3	1:40:A:GLU:HB3	13	1.12
(1,2617)	1:39:A:LYS:HB3	1:40:A:GLU:HB3	17	1.12
(1,2611)	1:91:A:LYS:HE2	1:80:A:ILE:HB	1	1.12
(1,2592)	1:89:B:THR:HG23	1:83:B:LYS:HB3	7	1.12
(1,2592)	1:89:B:THR:HG21	1:83:B:LYS:HB3	11	1.12
(1,2591)	1:89:A:THR:HG21	1:83:A:LYS:HB3	11	1.12
(1,2566)	1:86:B:HIS:HB3	1:83:B:LYS:HB3	19	1.12
(1,2565)	1:86:A:HIS:HB3	1:83:A:LYS:HB3	19	1.12
(1,2490)	1:39:B:LYS:HB2	1:40:B:GLU:HG3	7	1.12
(1,2036)	1:78:B:VAL:HG23	1:77:B:LEU:HA	9	1.12
(1,2035)	1:78:A:VAL:HG23	1:77:A:LEU:HA	9	1.12
(1,1710)	1:80:B:ILE:HB	1:8:A:LEU:HD21	10	1.12
(1,1697)	1:8:A:LEU:HG	1:11:B:ILE:HB	13	1.12
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG13	3	1.12
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG11	5	1.12
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG12	8	1.12
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG13	3	1.12
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG12	8	1.12
(1,854)	1:78:B:VAL:HG13	1:45:B:ILE:HD12	11	1.12
(1,853)	1:78:A:VAL:HG13	1:45:A:ILE:HD12	11	1.12
(1,810)	1:53:B:VAL:HG11	1:45:B:ILE:HD12	7	1.12
(1,3772)	1:54:B:ILE:H	1:48:B:ILE:HD12	16	1.11
(1,3772)	1:54:B:ILE:H	1:48:B:ILE:HD11	18	1.11
(1,3771)	1:54:A:ILE:H	1:48:A:ILE:HD12	16	1.11
(1,3771)	1:54:A:ILE:H	1:48:A:ILE:HD11	18	1.11
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG22	7	1.11
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG22	7	1.11
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD11	17	1.11
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD11	17	1.11
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD11	17	1.11
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD11	17	1.11
(1,3648)	1:8:B:LEU:H	1:85:A:ALA:HB2	4	1.11
(1,3646)	1:55:B:ASP:H	1:51:B:LYS:HG2	11	1.11
(1,3513)	1:87:A:TYR:H	1:71:B:PHE:HB2	13	1.11
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD12	9	1.11
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD12	14	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD12	9	1.11
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD12	14	1.11
(1,2854)	1:52:B:ALA:HB3	1:56:B:GLU:HB2	10	1.11
(1,2841)	1:52:A:ALA:HB2	1:55:A:ASP:HB2	6	1.11
(1,2722)	1:53:B:VAL:HG22	1:46:B:LYS:HB2	13	1.11
(1,2721)	1:53:A:VAL:HG22	1:46:A:LYS:HB2	13	1.11
(1,2618)	1:39:B:LYS:HB3	1:40:B:GLU:HB3	11	1.11
(1,2617)	1:39:A:LYS:HB3	1:40:A:GLU:HB3	11	1.11
(1,2592)	1:89:B:THR:HG23	1:83:B:LYS:HB3	5	1.11
(1,2591)	1:89:A:THR:HG23	1:83:A:LYS:HB3	5	1.11
(1,2510)	1:83:B:LYS:HE3	1:72:A:GLN:HB3	8	1.11
(1,2509)	1:83:A:LYS:HE3	1:72:B:GLN:HB3	8	1.11
(1,2374)	1:71:B:PHE:HB3	1:74:B:PHE:HA	12	1.11
(1,2373)	1:71:A:PHE:HB3	1:74:A:PHE:HA	12	1.11
(1,2344)	1:54:B:ILE:HG23	1:30:B:LYS:HE3	2	1.11
(1,2343)	1:54:A:ILE:HG23	1:30:A:LYS:HE3	2	1.11
(1,2192)	1:46:B:LYS:HE2	1:90:B:HIS:HB2	4	1.11
(1,2191)	1:46:A:LYS:HE2	1:90:A:HIS:HB2	4	1.11
(1,2158)	1:82:B:LEU:HG	1:12:A:VAL:HA	20	1.11
(1,2157)	1:82:A:LEU:HG	1:12:B:VAL:HA	20	1.11
(1,1988)	1:30:B:LYS:HD3	1:56:B:GLU:HA	10	1.11
(1,1698)	1:8:B:LEU:HG	1:11:A:ILE:HB	13	1.11
(1,1698)	1:8:B:LEU:HG	1:11:A:ILE:HB	15	1.11
(1,1697)	1:8:A:LEU:HG	1:11:B:ILE:HB	15	1.11
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG13	18	1.11
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG13	18	1.11
(1,821)	1:79:A:ALA:HB2	1:75:B:ILE:HG13	6	1.11
(1,638)	1:91:B:LYS:HB3	1:91:B:LYS:HD3	12	1.11
(1,637)	1:91:A:LYS:HB3	1:91:A:LYS:HD3	12	1.11
(2,32)	1:35:B:GLN:HB3	1:31:B:GLY:HA2	3	1.1
(2,31)	1:35:A:GLN:HB3	1:31:A:GLY:HA2	3	1.1
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG22	2	1.1
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG22	2	1.1
(1,3744)	1:75:B:ILE:H	1:33:B:LEU:HD12	8	1.1
(1,3743)	1:75:A:ILE:H	1:33:A:LEU:HD12	8	1.1
(1,3740)	1:75:B:ILE:H	1:33:B:LEU:HD12	8	1.1
(1,3739)	1:75:A:ILE:H	1:33:A:LEU:HD12	8	1.1
(1,3647)	1:8:A:LEU:H	1:85:B:ALA:HB2	4	1.1
(1,3645)	1:55:A:ASP:H	1:51:A:LYS:HG2	11	1.1
(1,3513)	1:83:A:LYS:H	1:8:B:LEU:HB3	8	1.1
(1,3444)	1:41:B:LEU:H	1:49:B:LYS:HE2	10	1.1
(1,3443)	1:41:A:LEU:H	1:49:A:LYS:HE2	10	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3430)	1:56:B:GLU:H	1:51:B:LYS:HE2	7	1.1
(1,3116)	1:8:B:LEU:HG	1:6:B:GLU:HA	19	1.1
(1,3115)	1:8:A:LEU:HG	1:6:A:GLU:HA	19	1.1
(1,3114)	1:8:B:LEU:HG	1:6:B:GLU:HA	19	1.1
(1,3113)	1:8:A:LEU:HG	1:6:A:GLU:HA	19	1.1
(1,2964)	1:91:B:LYS:HD3	1:53:B:VAL:HG11	10	1.1
(1,2963)	1:91:A:LYS:HD3	1:53:A:VAL:HG11	10	1.1
(1,2854)	1:73:B:GLU:HB3	1:77:B:LEU:HB2	12	1.1
(1,2853)	1:52:A:ALA:HB3	1:56:A:GLU:HB2	10	1.1
(1,2853)	1:73:A:GLU:HB3	1:77:A:LEU:HB2	12	1.1
(1,2728)	1:75:B:ILE:HG23	1:91:A:LYS:HD3	1	1.1
(1,2727)	1:75:A:ILE:HG23	1:91:B:LYS:HD3	1	1.1
(1,2722)	1:53:B:VAL:HG22	1:46:B:LYS:HB2	5	1.1
(1,2721)	1:53:A:VAL:HG22	1:46:A:LYS:HB2	5	1.1
(1,2618)	1:39:B:LYS:HB3	1:40:B:GLU:HB3	3	1.1
(1,2618)	1:39:B:LYS:HB3	1:40:B:GLU:HB3	16	1.1
(1,2617)	1:39:A:LYS:HB3	1:40:A:GLU:HB3	16	1.1
(1,2592)	1:89:B:THR:HG21	1:83:B:LYS:HB3	6	1.1
(1,2591)	1:89:A:THR:HG21	1:83:A:LYS:HB3	6	1.1
(1,2562)	1:91:B:LYS:HE2	1:80:B:ILE:HB	1	1.1
(1,2561)	1:91:A:LYS:HE2	1:80:A:ILE:HB	1	1.1
(1,2522)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	1	1.1
(1,2458)	1:37:B:LEU:HG	1:40:B:GLU:HG2	14	1.1
(1,2457)	1:37:A:LEU:HG	1:40:A:GLU:HG2	14	1.1
(1,2374)	1:71:B:PHE:HB3	1:74:B:PHE:HA	6	1.1
(1,2373)	1:71:A:PHE:HB3	1:74:A:PHE:HA	6	1.1
(1,2036)	1:78:B:VAL:HG22	1:77:B:LEU:HA	5	1.1
(1,2036)	1:78:B:VAL:HG23	1:77:B:LEU:HA	19	1.1
(1,2035)	1:78:A:VAL:HG22	1:77:A:LEU:HA	5	1.1
(1,2020)	1:91:B:LYS:HD3	1:83:B:LYS:HA	12	1.1
(1,2019)	1:91:A:LYS:HD3	1:83:A:LYS:HA	12	1.1
(1,1987)	1:30:A:LYS:HD3	1:56:A:GLU:HA	10	1.1
(1,1864)	1:18:B:TYR:H	1:36:B:LEU:HD23	12	1.1
(1,1863)	1:18:A:TYR:H	1:36:A:LEU:HD23	12	1.1
(1,1698)	1:8:B:LEU:HG	1:11:A:ILE:HB	9	1.1
(1,1697)	1:8:A:LEU:HG	1:11:B:ILE:HB	9	1.1
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG11	7	1.1
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG11	7	1.1
(1,822)	1:79:B:ALA:HB3	1:75:A:ILE:HG13	4	1.1
(1,822)	1:79:B:ALA:HB2	1:75:A:ILE:HG13	6	1.1
(1,822)	1:79:B:ALA:HB3	1:75:A:ILE:HG13	16	1.1
(1,821)	1:79:A:ALA:HB3	1:75:B:ILE:HG13	4	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,778)	1:61:B:LEU:HD23	1:76:B:SER:HB3	15	1.1
(1,3780)	1:38:B:THR:H	1:37:B:LEU:HD13	7	1.09
(1,3779)	1:38:A:THR:H	1:37:A:LEU:HD13	7	1.09
(1,3772)	1:41:B:LEU:H	1:48:B:ILE:HG22	15	1.09
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG21	3	1.09
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG22	14	1.09
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG22	14	1.09
(1,3489)	1:8:A:LEU:H	1:12:A:VAL:HB	20	1.09
(1,3429)	1:56:A:GLU:H	1:51:A:LYS:HE2	7	1.09
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD22	17	1.09
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD22	17	1.09
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD11	11	1.09
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD11	11	1.09
(1,2650)	1:34:B:LYS:HB3	1:32:B:GLU:HB3	8	1.09
(1,2649)	1:34:A:LYS:HB3	1:32:A:GLU:HB3	8	1.09
(1,2618)	1:39:B:LYS:HB3	1:40:B:GLU:HB3	8	1.09
(1,2618)	1:39:B:LYS:HB3	1:40:B:GLU:HB3	9	1.09
(1,2617)	1:39:A:LYS:HB3	1:40:A:GLU:HB3	3	1.09
(1,2617)	1:39:A:LYS:HB3	1:40:A:GLU:HB3	8	1.09
(1,2617)	1:39:A:LYS:HB3	1:40:A:GLU:HB3	9	1.09
(1,2521)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	1	1.09
(1,2429)	1:67:A:GLU:HG3	1:59:A:GLN:HG2	19	1.09
(1,2344)	1:54:B:ILE:HG23	1:30:B:LYS:HE3	3	1.09
(1,2343)	1:54:A:ILE:HG23	1:30:A:LYS:HE3	3	1.09
(1,2240)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	7	1.09
(1,2239)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	7	1.09
(1,2210)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	7	1.09
(1,2209)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	7	1.09
(1,2158)	1:82:B:LEU:HG	1:12:A:VAL:HA	4	1.09
(1,2157)	1:82:A:LEU:HG	1:12:B:VAL:HA	4	1.09
(1,2052)	1:8:B:LEU:HA	1:81:A:ALA:HA	6	1.09
(1,2052)	1:8:B:LEU:HA	1:81:A:ALA:HA	10	1.09
(1,2036)	1:78:B:VAL:HG23	1:77:B:LEU:HA	11	1.09
(1,2035)	1:78:A:VAL:HG21	1:77:A:LEU:HA	10	1.09
(1,2035)	1:78:A:VAL:HG23	1:77:A:LEU:HA	11	1.09
(1,2035)	1:78:A:VAL:HG23	1:77:A:LEU:HA	19	1.09
(1,1864)	1:78:B:VAL:H	1:36:B:LEU:HD23	8	1.09
(1,1863)	1:78:A:VAL:H	1:36:A:LEU:HD23	8	1.09
(1,1846)	1:54:B:ILE:H	1:48:B:ILE:HG12	4	1.09
(1,1846)	1:54:B:ILE:H	1:48:B:ILE:HG12	5	1.09
(1,1845)	1:54:A:ILE:H	1:48:A:ILE:HG12	4	1.09
(1,1845)	1:54:A:ILE:H	1:48:A:ILE:HG12	5	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1696)	1:83:B:LYS:HE3	1:71:A:PHE:HB2	12	1.09
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG11	1	1.09
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG13	9	1.09
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG11	1	1.09
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG13	9	1.09
(1,1576)	1:75:B:ILE:H	1:75:B:ILE:HG12	1	1.09
(1,1576)	1:75:B:ILE:H	1:75:B:ILE:HG12	8	1.09
(1,1576)	1:75:B:ILE:H	1:75:B:ILE:HG12	14	1.09
(1,1575)	1:75:A:ILE:H	1:75:A:ILE:HG12	1	1.09
(1,1575)	1:75:A:ILE:H	1:75:A:ILE:HG12	8	1.09
(1,1575)	1:75:A:ILE:H	1:75:A:ILE:HG12	14	1.09
(1,1540)	1:84:B:ALA:H	1:91:B:LYS:HD3	12	1.09
(1,1539)	1:84:A:ALA:H	1:91:A:LYS:HD3	12	1.09
(1,821)	1:79:A:ALA:HB3	1:75:B:ILE:HG13	16	1.09
(1,777)	1:61:A:LEU:HD23	1:76:A:SER:HB3	15	1.09
(1,395)	1:50:A:ASP:HB3	1:47:A:ASN:HB2	4	1.09
(1,395)	1:50:A:ASP:HB3	1:47:A:ASN:HB2	20	1.09
(2,80)	1:58:B:PHE:HB2	1:61:B:LEU:HB3	16	1.08
(2,79)	1:58:A:PHE:HB2	1:61:A:LEU:HB3	16	1.08
(1,3771)	1:41:A:LEU:H	1:48:A:ILE:HG22	15	1.08
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG21	3	1.08
(1,3514)	1:83:B:LYS:H	1:8:A:LEU:HB3	8	1.08
(1,3490)	1:8:B:LEU:H	1:12:B:VAL:HB	20	1.08
(1,2958)	1:34:B:LYS:HB2	1:48:B:ILE:HG13	1	1.08
(1,2958)	1:34:B:LYS:HB2	1:48:B:ILE:HG13	19	1.08
(1,2957)	1:34:A:LYS:HB2	1:48:A:ILE:HG13	19	1.08
(1,2821)	1:89:A:THR:HG23	1:46:A:LYS:HG2	8	1.08
(1,2728)	1:75:B:ILE:HG23	1:91:A:LYS:HD3	5	1.08
(1,2727)	1:75:A:ILE:HG23	1:91:B:LYS:HD3	5	1.08
(1,2643)	1:50:A:ASP:HB3	1:51:A:LYS:HB3	16	1.08
(1,2618)	1:39:B:LYS:HB3	1:40:B:GLU:HB3	18	1.08
(1,2618)	1:39:B:LYS:HB3	1:40:B:GLU:HB3	20	1.08
(1,2617)	1:39:A:LYS:HB3	1:40:A:GLU:HB3	18	1.08
(1,2617)	1:39:A:LYS:HB3	1:40:A:GLU:HB3	20	1.08
(1,2510)	1:83:B:LYS:HE3	1:72:A:GLN:HB3	17	1.08
(1,2509)	1:83:A:LYS:HE3	1:72:B:GLN:HB3	17	1.08
(1,2430)	1:67:B:GLU:HG3	1:59:B:GLN:HG2	13	1.08
(1,2430)	1:67:B:GLU:HG3	1:59:B:GLN:HG2	19	1.08
(1,2429)	1:67:A:GLU:HG3	1:59:A:GLN:HG2	13	1.08
(1,2192)	1:90:B:HIS:HB2	1:87:B:TYR:HB3	14	1.08
(1,2051)	1:8:A:LEU:HA	1:81:B:ALA:HA	6	1.08
(1,2036)	1:78:B:VAL:HG21	1:77:B:LEU:HA	10	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1988)	1:30:B:LYS:HD2	1:29:B:SER:HB3	9	1.08
(1,1987)	1:30:A:LYS:HD2	1:29:A:SER:HB3	9	1.08
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG12	5	1.08
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG13	17	1.08
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG12	5	1.08
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG13	17	1.08
(1,654)	1:37:B:LEU:HB2	1:48:B:ILE:HG12	19	1.08
(1,653)	1:37:A:LEU:HB2	1:48:A:ILE:HG12	19	1.08
(1,562)	1:39:B:LYS:HD2	1:35:B:GLN:HG2	3	1.08
(1,561)	1:39:A:LYS:HD2	1:35:A:GLN:HG2	3	1.08
(1,558)	1:91:B:LYS:HD3	1:80:B:ILE:HA	12	1.08
(1,557)	1:91:A:LYS:HD3	1:80:A:ILE:HA	12	1.08
(1,396)	1:50:B:ASP:HB3	1:47:B:ASN:HB2	20	1.08
(1,3646)	1:55:B:ASP:H	1:52:B:ALA:HB2	6	1.07
(1,3645)	1:55:A:ASP:H	1:52:A:ALA:HB2	6	1.07
(1,2957)	1:34:A:LYS:HB2	1:48:A:ILE:HG13	1	1.07
(1,2906)	1:53:B:VAL:HG22	1:54:B:ILE:HD11	10	1.07
(1,2905)	1:53:A:VAL:HG22	1:54:A:ILE:HD11	10	1.07
(1,2822)	1:89:B:THR:HG23	1:46:B:LYS:HG2	8	1.07
(1,2734)	1:51:B:LYS:HD3	1:31:B:GLY:HA3	3	1.07
(1,2722)	1:53:B:VAL:HG22	1:46:B:LYS:HB2	1	1.07
(1,2721)	1:53:A:VAL:HG22	1:46:A:LYS:HB2	1	1.07
(1,2648)	1:67:B:GLU:HG3	1:68:B:GLN:HB2	15	1.07
(1,2644)	1:50:B:ASP:HB3	1:51:B:LYS:HB3	16	1.07
(1,2420)	1:65:B:GLN:HB3	1:59:B:GLN:HA	19	1.07
(1,2419)	1:65:A:GLN:HB3	1:59:A:GLN:HA	19	1.07
(1,2374)	1:71:B:PHE:HB3	1:74:B:PHE:HA	17	1.07
(1,2373)	1:71:A:PHE:HB3	1:74:A:PHE:HA	17	1.07
(1,2191)	1:90:A:HIS:HB2	1:87:A:TYR:HB3	14	1.07
(1,2180)	1:13:B:ASN:HB2	1:16:B:HIS:HB3	2	1.07
(1,2179)	1:13:A:ASN:HB2	1:16:A:HIS:HB3	2	1.07
(1,2051)	1:8:A:LEU:HA	1:81:B:ALA:HA	10	1.07
(1,2036)	1:78:B:VAL:HG21	1:77:B:LEU:HA	16	1.07
(1,2035)	1:78:A:VAL:HG21	1:77:A:LEU:HA	16	1.07
(1,1936)	1:91:B:LYS:HD2	1:91:B:LYS:HA	9	1.07
(1,1935)	1:91:A:LYS:HD2	1:91:A:LYS:HA	9	1.07
(1,1846)	1:54:B:ILE:H	1:48:B:ILE:HG12	16	1.07
(1,1845)	1:54:A:ILE:H	1:48:A:ILE:HG12	16	1.07
(1,1696)	1:83:B:LYS:HE3	1:71:A:PHE:HB2	1	1.07
(1,1696)	1:83:B:LYS:HE2	1:72:A:GLN:HG3	8	1.07
(1,1695)	1:83:A:LYS:HE3	1:71:B:PHE:HB2	1	1.07
(1,1576)	1:75:B:ILE:H	1:75:B:ILE:HG12	7	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1576)	1:75:B:ILE:H	1:75:B:ILE:HG12	10	1.07
(1,1576)	1:75:B:ILE:H	1:75:B:ILE:HG12	17	1.07
(1,1575)	1:75:A:ILE:H	1:75:A:ILE:HG12	7	1.07
(1,1575)	1:75:A:ILE:H	1:75:A:ILE:HG12	10	1.07
(1,1575)	1:75:A:ILE:H	1:75:A:ILE:HG12	17	1.07
(1,654)	1:37:B:LEU:HB2	1:48:B:ILE:HG12	18	1.07
(1,653)	1:37:A:LEU:HB2	1:48:A:ILE:HG12	18	1.07
(1,396)	1:50:B:ASP:HB3	1:47:B:ASN:HB2	4	1.07
(1,352)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	14	1.07
(1,351)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	14	1.07
(2,136)	1:18:B:TYR:H	1:32:B:GLU:HB2	10	1.06
(2,135)	1:18:A:TYR:H	1:32:A:GLU:HB2	10	1.06
(2,134)	1:32:B:GLU:H	1:35:B:GLN:HB3	9	1.06
(2,133)	1:32:A:GLU:H	1:35:A:GLN:HB3	9	1.06
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG23	16	1.06
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG23	19	1.06
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG23	16	1.06
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG23	19	1.06
(1,3780)	1:38:B:THR:H	1:37:B:LEU:HD12	2	1.06
(1,3780)	1:38:B:THR:H	1:48:B:ILE:HG23	12	1.06
(1,3780)	1:38:B:THR:H	1:37:B:LEU:HD13	15	1.06
(1,3779)	1:38:A:THR:H	1:37:A:LEU:HD12	2	1.06
(1,3779)	1:38:A:THR:H	1:48:A:ILE:HG23	12	1.06
(1,3779)	1:38:A:THR:H	1:37:A:LEU:HD13	15	1.06
(1,3662)	1:61:B:LEU:H	1:63:B:ALA:HB3	10	1.06
(1,3646)	1:55:B:ASP:H	1:52:B:ALA:HB3	10	1.06
(1,3645)	1:55:A:ASP:H	1:52:A:ALA:HB3	10	1.06
(1,3580)	1:8:B:LEU:H	1:41:A:LEU:HB3	10	1.06
(1,3490)	1:8:B:LEU:H	1:9:B:GLU:HG2	6	1.06
(1,3489)	1:8:A:LEU:H	1:9:A:GLU:HG2	6	1.06
(1,3444)	1:41:B:LEU:H	1:49:B:LYS:HE3	11	1.06
(1,3443)	1:41:A:LEU:H	1:49:A:LYS:HE3	11	1.06
(1,3114)	1:8:B:LEU:HG	1:6:B:GLU:HA	6	1.06
(1,3113)	1:8:A:LEU:HG	1:6:A:GLU:HA	6	1.06
(1,3039)	1:53:A:VAL:HG12	1:45:A:ILE:HG13	9	1.06
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD11	5	1.06
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD12	7	1.06
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD11	5	1.06
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD12	7	1.06
(1,2842)	1:52:B:ALA:HB1	1:55:B:ASP:HB2	9	1.06
(1,2841)	1:52:A:ALA:HB1	1:55:A:ASP:HB2	9	1.06
(1,2788)	1:72:B:GLN:HA	1:75:B:ILE:HG12	15	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2787)	1:72:A:GLN:HA	1:75:A:ILE:HG12	15	1.06
(1,2733)	1:51:A:LYS:HD3	1:31:A:GLY:HA3	3	1.06
(1,2728)	1:75:B:ILE:HG23	1:91:A:LYS:HD3	8	1.06
(1,2722)	1:53:B:VAL:HG22	1:46:B:LYS:HB2	12	1.06
(1,2722)	1:53:B:VAL:HG23	1:46:B:LYS:HB2	14	1.06
(1,2721)	1:53:A:VAL:HG22	1:46:A:LYS:HB2	4	1.06
(1,2721)	1:53:A:VAL:HG22	1:46:A:LYS:HB2	12	1.06
(1,2721)	1:53:A:VAL:HG23	1:46:A:LYS:HB2	14	1.06
(1,2647)	1:67:A:GLU:HG3	1:68:A:GLN:HB2	15	1.06
(1,2616)	1:59:B:GLN:HG2	1:57:B:ILE:HB	15	1.06
(1,2615)	1:59:A:GLN:HG2	1:57:A:ILE:HB	15	1.06
(1,2374)	1:71:B:PHE:HB3	1:74:B:PHE:HA	1	1.06
(1,2373)	1:71:A:PHE:HB3	1:74:A:PHE:HA	1	1.06
(1,2157)	1:82:A:LEU:HG	1:12:B:VAL:HA	1	1.06
(1,2060)	1:83:B:LYS:HD3	1:79:B:ALA:HA	11	1.06
(1,2059)	1:83:A:LYS:HD3	1:79:A:ALA:HA	11	1.06
(1,2052)	1:8:B:LEU:HA	1:81:A:ALA:HA	11	1.06
(1,2051)	1:8:A:LEU:HA	1:81:B:ALA:HA	11	1.06
(1,2036)	1:78:B:VAL:HG23	1:77:B:LEU:HA	3	1.06
(1,2035)	1:78:A:VAL:HG23	1:77:A:LEU:HA	3	1.06
(1,1864)	1:18:B:TYR:H	1:36:B:LEU:HD22	7	1.06
(1,1863)	1:18:A:TYR:H	1:36:A:LEU:HD22	7	1.06
(1,1810)	1:35:B:GLN:H	1:37:B:LEU:HA	10	1.06
(1,1695)	1:83:A:LYS:HE2	1:72:B:GLN:HG3	8	1.06
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG12	12	1.06
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG12	12	1.06
(1,854)	1:78:B:VAL:HG11	1:45:B:ILE:HD11	12	1.06
(1,853)	1:78:A:VAL:HG11	1:45:A:ILE:HD11	12	1.06
(1,638)	1:91:B:LYS:HB3	1:91:B:LYS:HD3	2	1.06
(1,637)	1:91:A:LYS:HB3	1:91:A:LYS:HD3	2	1.06
(1,369)	1:91:A:LYS:HE3	1:90:A:HIS:HB3	19	1.06
(1,343)	1:83:A:LYS:HE3	1:87:A:TYR:HB2	19	1.06
(2,133)	1:32:A:GLU:H	1:35:A:GLN:HB3	16	1.05
(2,66)	1:35:B:GLN:HB3	1:32:B:GLU:HB2	13	1.05
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG22	13	1.05
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG22	13	1.05
(1,3662)	1:61:B:LEU:H	1:77:B:LEU:HB2	9	1.05
(1,3661)	1:61:A:LEU:H	1:77:A:LEU:HB2	9	1.05
(1,3661)	1:61:A:LEU:H	1:63:A:ALA:HB3	10	1.05
(1,3579)	1:8:A:LEU:H	1:41:B:LEU:HB3	10	1.05
(1,3142)	1:45:B:ILE:HG22	1:91:B:LYS:HB2	16	1.05
(1,3141)	1:45:A:ILE:HG22	1:91:A:LYS:HB2	16	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3040)	1:53:B:VAL:HG12	1:45:B:ILE:HG13	9	1.05
(1,2988)	1:56:B:GLU:HG3	1:57:B:ILE:HG13	3	1.05
(1,2987)	1:56:A:GLU:HG3	1:57:A:ILE:HG13	3	1.05
(1,2964)	1:91:B:LYS:HD3	1:44:B:THR:HG21	1	1.05
(1,2963)	1:91:A:LYS:HD3	1:44:A:THR:HG21	1	1.05
(1,2958)	1:34:B:LYS:HB2	1:48:B:ILE:HG13	6	1.05
(1,2957)	1:34:A:LYS:HB2	1:48:A:ILE:HG13	6	1.05
(1,2727)	1:75:A:ILE:HG23	1:91:B:LYS:HD3	8	1.05
(1,2722)	1:53:B:VAL:HG22	1:46:B:LYS:HB2	4	1.05
(1,2696)	1:61:B:LEU:HB2	1:57:B:ILE:HA	7	1.05
(1,2695)	1:61:A:LEU:HB2	1:57:A:ILE:HA	7	1.05
(1,2694)	1:61:B:LEU:HB2	1:57:B:ILE:HA	7	1.05
(1,2693)	1:61:A:LEU:HB2	1:57:A:ILE:HA	7	1.05
(1,2650)	1:34:B:LYS:HB3	1:32:B:GLU:HB3	19	1.05
(1,2649)	1:34:A:LYS:HB3	1:32:A:GLU:HB3	5	1.05
(1,2649)	1:34:A:LYS:HB3	1:32:A:GLU:HB3	19	1.05
(1,2594)	1:81:B:ALA:HB2	1:80:B:ILE:HB	9	1.05
(1,2593)	1:81:A:ALA:HB2	1:80:A:ILE:HB	9	1.05
(1,2192)	1:46:B:LYS:HE2	1:90:B:HIS:HB2	6	1.05
(1,2191)	1:46:A:LYS:HE2	1:90:A:HIS:HB2	6	1.05
(1,2158)	1:82:B:LEU:HG	1:12:A:VAL:HA	1	1.05
(1,2060)	1:83:B:LYS:HD2	1:79:B:ALA:HA	12	1.05
(1,2059)	1:83:A:LYS:HD2	1:79:A:ALA:HA	12	1.05
(1,1864)	1:18:B:TYR:H	1:36:B:LEU:HD21	1	1.05
(1,1863)	1:18:A:TYR:H	1:36:A:LEU:HD21	1	1.05
(1,1809)	1:35:A:GLN:H	1:37:A:LEU:HA	10	1.05
(1,1696)	1:83:B:LYS:HE3	1:71:A:PHE:HB2	4	1.05
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG13	15	1.05
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG12	12	1.05
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG12	12	1.05
(1,654)	1:37:B:LEU:HB2	1:48:B:ILE:HG12	1	1.05
(1,654)	1:37:B:LEU:HB2	1:48:B:ILE:HG12	13	1.05
(1,653)	1:37:A:LEU:HB2	1:48:A:ILE:HG12	1	1.05
(1,653)	1:37:A:LEU:HB2	1:48:A:ILE:HG12	13	1.05
(1,396)	1:50:B:ASP:HB3	1:47:B:ASN:HB2	3	1.05
(1,370)	1:91:B:LYS:HE3	1:90:B:HIS:HB3	19	1.05
(1,344)	1:83:B:LYS:HE3	1:87:B:TYR:HB2	19	1.05
(2,134)	1:32:B:GLU:H	1:35:B:GLN:HB3	13	1.04
(2,134)	1:32:B:GLU:H	1:35:B:GLN:HB3	16	1.04
(2,65)	1:35:A:GLN:HB3	1:32:A:GLU:HB2	13	1.04
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG22	7	1.04
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG22	7	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3780)	1:38:B:THR:H	1:37:B:LEU:HD12	18	1.04
(1,3780)	1:38:B:THR:H	1:37:B:LEU:HD11	20	1.04
(1,3779)	1:38:A:THR:H	1:37:A:LEU:HD12	18	1.04
(1,3579)	1:8:A:LEU:H	1:41:B:LEU:HB3	16	1.04
(1,3177)	1:83:A:LYS:HE2	1:75:B:ILE:HD12	6	1.04
(1,3146)	1:88:B:HIS:HB3	1:12:A:VAL:HG21	17	1.04
(1,3145)	1:88:A:HIS:HB3	1:12:B:VAL:HG21	17	1.04
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD22	5	1.04
(1,2988)	1:56:B:GLU:HG3	1:57:B:ILE:HG13	20	1.04
(1,2987)	1:56:A:GLU:HG3	1:57:A:ILE:HG13	20	1.04
(1,2966)	1:82:B:LEU:HG	1:83:B:LYS:HG3	5	1.04
(1,2721)	1:53:A:VAL:HG23	1:46:A:LYS:HB2	6	1.04
(1,2696)	1:57:B:ILE:HA	1:91:B:LYS:HD3	20	1.04
(1,2695)	1:57:A:ILE:HA	1:91:A:LYS:HD3	20	1.04
(1,2694)	1:57:B:ILE:HA	1:91:B:LYS:HD3	20	1.04
(1,2693)	1:57:A:ILE:HA	1:91:A:LYS:HD3	20	1.04
(1,2650)	1:34:B:LYS:HB3	1:32:B:GLU:HB3	1	1.04
(1,2650)	1:34:B:LYS:HB3	1:32:B:GLU:HB3	5	1.04
(1,2650)	1:34:B:LYS:HB3	1:32:B:GLU:HB3	15	1.04
(1,2649)	1:34:A:LYS:HB3	1:32:A:GLU:HB3	1	1.04
(1,2649)	1:34:A:LYS:HB3	1:32:A:GLU:HB3	15	1.04
(1,2616)	1:59:B:GLN:HG2	1:57:B:ILE:HB	5	1.04
(1,2615)	1:59:A:GLN:HG2	1:57:A:ILE:HB	5	1.04
(1,2592)	1:89:B:THR:HG23	1:83:B:LYS:HB3	10	1.04
(1,2591)	1:89:A:THR:HG23	1:83:A:LYS:HB3	10	1.04
(1,2429)	1:67:A:GLU:HG3	1:59:A:GLN:HG2	18	1.04
(1,2420)	1:65:B:GLN:HB3	1:59:B:GLN:HA	1	1.04
(1,2419)	1:65:A:GLN:HB3	1:59:A:GLN:HA	1	1.04
(1,2158)	1:82:B:LEU:HG	1:12:A:VAL:HA	9	1.04
(1,2157)	1:82:A:LEU:HG	1:12:B:VAL:HA	9	1.04
(1,2052)	1:8:B:LEU:HA	1:81:A:ALA:HA	17	1.04
(1,2051)	1:8:A:LEU:HA	1:81:B:ALA:HA	17	1.04
(1,2035)	1:78:A:VAL:HG22	1:77:A:LEU:HA	8	1.04
(1,1695)	1:83:A:LYS:HE3	1:71:B:PHE:HB2	4	1.04
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG13	15	1.04
(1,1576)	1:75:B:ILE:H	1:75:B:ILE:HG12	6	1.04
(1,1576)	1:75:B:ILE:H	1:75:B:ILE:HG12	13	1.04
(1,1576)	1:75:B:ILE:H	1:75:B:ILE:HG12	19	1.04
(1,1575)	1:75:A:ILE:H	1:75:A:ILE:HG12	6	1.04
(1,1575)	1:75:A:ILE:H	1:75:A:ILE:HG12	13	1.04
(1,1575)	1:75:A:ILE:H	1:75:A:ILE:HG12	19	1.04
(1,854)	1:78:B:VAL:HG11	1:45:B:ILE:HD13	19	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,853)	1:78:A:VAL:HG11	1:45:A:ILE:HD13	19	1.04
(1,654)	1:37:B:LEU:HB2	1:48:B:ILE:HG12	4	1.04
(1,653)	1:37:A:LEU:HB2	1:48:A:ILE:HG12	4	1.04
(1,395)	1:50:A:ASP:HB3	1:47:A:ASN:HB2	3	1.04
(1,344)	1:83:B:LYS:HE3	1:87:B:TYR:HB2	9	1.04
(1,343)	1:83:A:LYS:HE3	1:87:A:TYR:HB2	9	1.04
(2,133)	1:32:A:GLU:H	1:35:A:GLN:HB3	13	1.03
(1,3780)	1:38:B:THR:H	1:48:B:ILE:HG21	8	1.03
(1,3780)	1:38:B:THR:H	1:37:B:LEU:HD13	16	1.03
(1,3780)	1:38:B:THR:H	1:37:B:LEU:HD13	19	1.03
(1,3779)	1:38:A:THR:H	1:37:A:LEU:HD13	16	1.03
(1,3779)	1:38:A:THR:H	1:37:A:LEU:HD13	19	1.03
(1,3779)	1:38:A:THR:H	1:37:A:LEU:HD11	20	1.03
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB2	4	1.03
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB2	4	1.03
(1,3648)	1:8:B:LEU:H	1:85:A:ALA:HB1	8	1.03
(1,3646)	1:55:B:ASP:H	1:52:B:ALA:HB1	15	1.03
(1,3645)	1:55:A:ASP:H	1:52:A:ALA:HB1	15	1.03
(1,3580)	1:8:B:LEU:H	1:41:A:LEU:HB3	13	1.03
(1,3580)	1:8:B:LEU:H	1:41:A:LEU:HB3	16	1.03
(1,3579)	1:8:A:LEU:H	1:41:B:LEU:HB3	13	1.03
(1,3444)	1:41:B:LEU:H	1:49:B:LYS:HE2	17	1.03
(1,3230)	1:75:B:ILE:HD11	1:78:A:VAL:HG11	15	1.03
(1,3178)	1:83:B:LYS:HE2	1:75:A:ILE:HD12	6	1.03
(1,3116)	1:8:B:LEU:HG	1:6:B:GLU:HA	16	1.03
(1,3115)	1:8:A:LEU:HG	1:6:A:GLU:HA	16	1.03
(1,3114)	1:8:B:LEU:HG	1:6:B:GLU:HA	16	1.03
(1,3113)	1:8:A:LEU:HG	1:6:A:GLU:HA	16	1.03
(1,3040)	1:53:B:VAL:HG13	1:45:B:ILE:HG13	8	1.03
(1,3039)	1:53:A:VAL:HG13	1:45:A:ILE:HG13	8	1.03
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD22	5	1.03
(1,2965)	1:82:A:LEU:HG	1:83:A:LYS:HG3	5	1.03
(1,2958)	1:34:B:LYS:HB2	1:48:B:ILE:HG13	4	1.03
(1,2957)	1:34:A:LYS:HB2	1:48:A:ILE:HG13	4	1.03
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD13	3	1.03
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD13	3	1.03
(1,2722)	1:53:B:VAL:HG23	1:46:B:LYS:HB2	6	1.03
(1,2722)	1:53:B:VAL:HG21	1:46:B:LYS:HB2	8	1.03
(1,2721)	1:53:A:VAL:HG21	1:46:A:LYS:HB2	8	1.03
(1,2650)	1:34:B:LYS:HB3	1:32:B:GLU:HB3	2	1.03
(1,2650)	1:34:B:LYS:HB3	1:32:B:GLU:HB3	7	1.03
(1,2649)	1:34:A:LYS:HB3	1:32:A:GLU:HB3	2	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2649)	1:34:A:LYS:HB3	1:32:A:GLU:HB3	7	1.03
(1,2616)	1:59:B:GLN:HG3	1:57:B:ILE:HB	6	1.03
(1,2615)	1:59:A:GLN:HG3	1:57:A:ILE:HB	6	1.03
(1,2594)	1:81:B:ALA:HB1	1:80:B:ILE:HB	20	1.03
(1,2593)	1:81:A:ALA:HB1	1:80:A:ILE:HB	20	1.03
(1,2430)	1:67:B:GLU:HG3	1:59:B:GLN:HG2	18	1.03
(1,2338)	1:58:B:PHE:HB2	1:30:B:LYS:HE2	3	1.03
(1,2052)	1:8:B:LEU:HA	1:81:A:ALA:HA	13	1.03
(1,2051)	1:8:A:LEU:HA	1:81:B:ALA:HA	13	1.03
(1,2036)	1:78:B:VAL:HG22	1:77:B:LEU:HA	8	1.03
(1,1710)	1:80:B:ILE:HB	1:75:A:ILE:HG23	9	1.03
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG11	15	1.03
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG11	15	1.03
(1,854)	1:78:B:VAL:HG12	1:45:B:ILE:HD13	4	1.03
(1,853)	1:78:A:VAL:HG12	1:45:A:ILE:HD13	4	1.03
(1,842)	1:78:B:VAL:HG13	1:36:B:LEU:HD22	15	1.03
(1,841)	1:78:A:VAL:HG13	1:36:A:LEU:HD22	15	1.03
(1,822)	1:79:B:ALA:HB2	1:75:A:ILE:HG13	13	1.03
(1,822)	1:79:B:ALA:HB2	1:75:A:ILE:HG13	18	1.03
(1,821)	1:79:A:ALA:HB1	1:75:B:ILE:HG13	14	1.03
(1,810)	1:53:B:VAL:HG11	1:45:B:ILE:HD11	9	1.03
(1,809)	1:53:A:VAL:HG11	1:45:A:ILE:HD11	9	1.03
(1,348)	1:53:B:VAL:HG11	1:46:B:LYS:HE3	19	1.03
(1,347)	1:53:A:VAL:HG11	1:46:A:LYS:HE3	19	1.03
(1,3779)	1:38:A:THR:H	1:48:A:ILE:HG21	1	1.02
(1,3779)	1:38:A:THR:H	1:48:A:ILE:HG21	8	1.02
(1,3772)	1:54:B:ILE:H	1:48:B:ILE:HD13	3	1.02
(1,3771)	1:54:A:ILE:H	1:48:A:ILE:HD13	3	1.02
(1,3647)	1:8:A:LEU:H	1:85:B:ALA:HB1	8	1.02
(1,3646)	1:55:B:ASP:H	1:52:B:ALA:HB3	8	1.02
(1,3645)	1:55:A:ASP:H	1:52:A:ALA:HB3	8	1.02
(1,3447)	1:89:A:THR:H	1:83:A:LYS:HE2	10	1.02
(1,3443)	1:41:A:LEU:H	1:49:A:LYS:HE2	17	1.02
(1,3088)	1:30:B:LYS:HD3	1:67:B:GLU:HG3	12	1.02
(1,3087)	1:30:A:LYS:HD3	1:67:A:GLU:HG3	12	1.02
(1,2988)	1:53:B:VAL:HG12	1:56:B:GLU:HG3	2	1.02
(1,2987)	1:53:A:VAL:HG12	1:56:A:GLU:HG3	2	1.02
(1,2964)	1:91:B:LYS:HD3	1:44:B:THR:HG21	3	1.02
(1,2963)	1:91:A:LYS:HD3	1:44:A:THR:HG21	3	1.02
(1,2938)	1:7:B:HIS:HB3	1:82:A:LEU:HG	6	1.02
(1,2804)	1:49:B:LYS:HG2	1:47:B:ASN:HB3	2	1.02
(1,2803)	1:49:A:LYS:HG2	1:47:A:ASN:HB3	2	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2734)	1:51:B:LYS:HD3	1:31:B:GLY:HA3	6	1.02
(1,2722)	1:53:B:VAL:HG22	1:46:B:LYS:HB2	3	1.02
(1,2721)	1:53:A:VAL:HG22	1:46:A:LYS:HB2	3	1.02
(1,2721)	1:53:A:VAL:HG23	1:46:A:LYS:HB2	9	1.02
(1,2650)	1:34:B:LYS:HB3	1:32:B:GLU:HB3	3	1.02
(1,2649)	1:34:A:LYS:HB3	1:32:A:GLU:HB3	3	1.02
(1,2593)	1:81:A:ALA:HB3	1:80:A:ILE:HB	4	1.02
(1,2510)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	16	1.02
(1,2509)	1:83:A:LYS:HE3	1:72:B:GLN:HB3	7	1.02
(1,2337)	1:58:A:PHE:HB2	1:30:A:LYS:HE2	3	1.02
(1,2180)	1:13:B:ASN:HB2	1:16:B:HIS:HB3	8	1.02
(1,2179)	1:13:A:ASN:HB2	1:16:A:HIS:HB3	8	1.02
(1,2157)	1:82:A:LEU:HG	1:7:B:HIS:HB3	6	1.02
(1,1936)	1:83:B:LYS:HD3	1:91:B:LYS:HA	7	1.02
(1,1854)	1:54:B:ILE:H	1:55:B:ASP:HB2	14	1.02
(1,1810)	1:44:B:THR:H	1:37:B:LEU:HA	8	1.02
(1,1809)	1:44:A:THR:H	1:37:A:LEU:HA	8	1.02
(1,1709)	1:80:A:ILE:HB	1:75:B:ILE:HG23	9	1.02
(1,1698)	1:8:B:LEU:HG	1:11:A:ILE:HB	18	1.02
(1,1697)	1:8:A:LEU:HG	1:11:B:ILE:HB	18	1.02
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG12	6	1.02
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG12	6	1.02
(1,1576)	1:75:B:ILE:H	1:75:B:ILE:HG12	9	1.02
(1,1576)	1:75:B:ILE:H	1:75:B:ILE:HG12	12	1.02
(1,1576)	1:75:B:ILE:H	1:75:B:ILE:HG12	16	1.02
(1,1575)	1:75:A:ILE:H	1:75:A:ILE:HG12	9	1.02
(1,1575)	1:75:A:ILE:H	1:75:A:ILE:HG12	12	1.02
(1,1575)	1:75:A:ILE:H	1:75:A:ILE:HG12	16	1.02
(1,822)	1:79:B:ALA:HB1	1:75:A:ILE:HG13	14	1.02
(1,821)	1:79:A:ALA:HB2	1:75:B:ILE:HG13	13	1.02
(1,821)	1:79:A:ALA:HB2	1:75:B:ILE:HG13	18	1.02
(1,809)	1:53:A:VAL:HG11	1:45:A:ILE:HD12	12	1.02
(1,653)	1:37:A:LEU:HB2	1:48:A:ILE:HG12	2	1.02
(1,12)	1:75:B:ILE:HD13	1:83:A:LYS:HB3	10	1.02
(1,3780)	1:38:B:THR:H	1:48:B:ILE:HG21	1	1.01
(1,3780)	1:38:B:THR:H	1:37:B:LEU:HD12	5	1.01
(1,3779)	1:38:A:THR:H	1:37:A:LEU:HD12	5	1.01
(1,3648)	1:8:B:LEU:H	1:85:A:ALA:HB3	9	1.01
(1,3646)	1:55:B:ASP:H	1:52:B:ALA:HB3	7	1.01
(1,3646)	1:55:B:ASP:H	1:52:B:ALA:HB2	18	1.01
(1,3645)	1:55:A:ASP:H	1:52:A:ALA:HB3	7	1.01
(1,3645)	1:55:A:ASP:H	1:52:A:ALA:HB2	18	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3580)	1:8:B:LEU:H	1:41:A:LEU:HB3	11	1.01
(1,3579)	1:8:A:LEU:H	1:41:B:LEU:HB3	11	1.01
(1,3560)	1:77:B:LEU:H	1:75:B:ILE:HB	20	1.01
(1,3559)	1:77:A:LEU:H	1:75:A:ILE:HB	20	1.01
(1,3448)	1:89:B:THR:H	1:83:B:LYS:HE3	3	1.01
(1,3448)	1:89:B:THR:H	1:83:B:LYS:HE2	10	1.01
(1,3448)	1:89:B:THR:H	1:83:B:LYS:HE2	12	1.01
(1,3447)	1:89:A:THR:H	1:83:A:LYS:HE3	3	1.01
(1,3447)	1:89:A:THR:H	1:83:A:LYS:HE2	12	1.01
(1,3229)	1:75:A:ILE:HD11	1:78:B:VAL:HG11	15	1.01
(1,3220)	1:30:B:LYS:HG3	1:62:B:ASP:HB2	15	1.01
(1,3219)	1:30:A:LYS:HG3	1:62:A:ASP:HB2	15	1.01
(1,2964)	1:91:B:LYS:HD3	1:44:B:THR:HG22	4	1.01
(1,2963)	1:91:A:LYS:HD3	1:44:A:THR:HG22	4	1.01
(1,2958)	1:34:B:LYS:HB2	1:48:B:ILE:HG13	20	1.01
(1,2957)	1:34:A:LYS:HB2	1:48:A:ILE:HG13	20	1.01
(1,2937)	1:7:A:HIS:HB3	1:82:B:LEU:HG	6	1.01
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD13	12	1.01
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD13	12	1.01
(1,2854)	1:73:B:GLU:HB3	1:77:B:LEU:HB2	3	1.01
(1,2854)	1:73:B:GLU:HB3	1:77:B:LEU:HB2	11	1.01
(1,2853)	1:73:A:GLU:HB3	1:77:A:LEU:HB2	3	1.01
(1,2853)	1:73:A:GLU:HB3	1:77:A:LEU:HB2	11	1.01
(1,2733)	1:51:A:LYS:HD3	1:31:A:GLY:HA3	6	1.01
(1,2722)	1:53:B:VAL:HG23	1:46:B:LYS:HB2	9	1.01
(1,2616)	1:59:B:GLN:HG2	1:57:B:ILE:HB	17	1.01
(1,2615)	1:59:A:GLN:HG2	1:57:A:ILE:HB	17	1.01
(1,2594)	1:81:B:ALA:HB3	1:80:B:ILE:HB	4	1.01
(1,2594)	1:81:B:ALA:HB2	1:80:B:ILE:HB	15	1.01
(1,2593)	1:81:A:ALA:HB2	1:80:A:ILE:HB	15	1.01
(1,2374)	1:71:B:PHE:HB3	1:74:B:PHE:HA	4	1.01
(1,2374)	1:71:B:PHE:HB3	1:74:B:PHE:HA	10	1.01
(1,2373)	1:71:A:PHE:HB3	1:74:A:PHE:HA	4	1.01
(1,2342)	1:30:B:LYS:HB2	1:30:B:LYS:HE2	4	1.01
(1,2341)	1:30:A:LYS:HB2	1:30:A:LYS:HE2	4	1.01
(1,2158)	1:82:B:LEU:HG	1:7:A:HIS:HB3	6	1.01
(1,2157)	1:82:A:LEU:HG	1:12:B:VAL:HA	7	1.01
(1,1988)	1:30:B:LYS:HD2	1:29:B:SER:HB3	13	1.01
(1,1987)	1:30:A:LYS:HD2	1:29:A:SER:HB3	13	1.01
(1,1935)	1:83:A:LYS:HD3	1:91:A:LYS:HA	7	1.01
(1,1853)	1:54:A:ILE:H	1:55:A:ASP:HB2	14	1.01
(1,1810)	1:35:B:GLN:H	1:37:B:LEU:HA	12	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1809)	1:35:A:GLN:H	1:37:A:LEU:HA	12	1.01
(1,1698)	1:8:B:LEU:HG	1:11:A:ILE:HB	19	1.01
(1,1697)	1:8:A:LEU:HG	1:11:B:ILE:HB	19	1.01
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG13	3	1.01
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG13	3	1.01
(1,1576)	1:75:B:ILE:H	1:75:B:ILE:HG12	2	1.01
(1,1575)	1:75:A:ILE:H	1:75:A:ILE:HG12	2	1.01
(1,1410)	1:49:B:LYS:H	1:50:B:ASP:HB3	9	1.01
(1,1409)	1:49:A:LYS:H	1:50:A:ASP:HB3	9	1.01
(1,854)	1:78:B:VAL:HG11	1:45:B:ILE:HD13	1	1.01
(1,853)	1:78:A:VAL:HG11	1:45:A:ILE:HD13	1	1.01
(1,810)	1:53:B:VAL:HG11	1:45:B:ILE:HD12	12	1.01
(1,809)	1:53:A:VAL:HG13	1:45:A:ILE:HD13	13	1.01
(1,654)	1:37:B:LEU:HB2	1:48:B:ILE:HG12	2	1.01
(1,618)	1:42:B:ALA:HB1	1:43:B:ASN:HB3	7	1.01
(1,617)	1:42:A:ALA:HB1	1:43:A:ASN:HB3	7	1.01
(1,3780)	1:38:B:THR:H	1:37:B:LEU:HD13	14	1.0
(1,3779)	1:38:A:THR:H	1:37:A:LEU:HD13	14	1.0
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG23	17	1.0
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG23	17	1.0
(1,3647)	1:8:A:LEU:H	1:85:B:ALA:HB3	9	1.0
(1,3490)	1:8:B:LEU:H	1:12:B:VAL:HB	7	1.0
(1,3489)	1:8:A:LEU:H	1:12:A:VAL:HB	7	1.0
(1,3214)	1:91:B:LYS:HD2	1:45:B:ILE:HD12	12	1.0
(1,3213)	1:91:A:LYS:HD2	1:45:A:ILE:HD12	12	1.0
(1,3116)	1:8:B:LEU:HG	1:6:B:GLU:HA	20	1.0
(1,3115)	1:8:A:LEU:HG	1:6:A:GLU:HA	20	1.0
(1,3114)	1:8:B:LEU:HG	1:6:B:GLU:HA	20	1.0
(1,3113)	1:8:A:LEU:HG	1:6:A:GLU:HA	20	1.0
(1,3042)	1:44:B:THR:HG21	1:12:A:VAL:HG11	18	1.0
(1,3041)	1:44:A:THR:HG21	1:12:B:VAL:HG11	18	1.0
(1,2721)	1:53:A:VAL:HG23	1:46:A:LYS:HB2	17	1.0
(1,2615)	1:59:A:GLN:HG2	1:57:A:ILE:HB	4	1.0
(1,2594)	1:81:B:ALA:HB1	1:80:B:ILE:HB	17	1.0
(1,2593)	1:81:A:ALA:HB1	1:80:A:ILE:HB	17	1.0
(1,2374)	1:71:B:PHE:HB3	1:74:B:PHE:HA	8	1.0
(1,2373)	1:71:A:PHE:HB3	1:74:A:PHE:HA	8	1.0
(1,2373)	1:71:A:PHE:HB3	1:74:A:PHE:HA	10	1.0
(1,2203)	1:52:A:ALA:HB1	1:51:A:LYS:HE2	6	1.0
(1,2158)	1:82:B:LEU:HG	1:12:A:VAL:HA	7	1.0
(1,2157)	1:82:A:LEU:HG	1:7:B:HIS:HB2	12	1.0
(1,2052)	1:8:B:LEU:HA	1:81:A:ALA:HA	7	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1863)	1:18:A:TYR:H	1:36:A:LEU:HD22	11	1.0
(1,1846)	1:54:B:ILE:H	1:48:B:ILE:HG12	8	1.0
(1,1846)	1:54:B:ILE:H	1:48:B:ILE:HG12	9	1.0
(1,1845)	1:54:A:ILE:H	1:48:A:ILE:HG12	8	1.0
(1,1845)	1:54:A:ILE:H	1:48:A:ILE:HG12	9	1.0
(1,1845)	1:54:A:ILE:H	1:48:A:ILE:HG12	18	1.0
(1,1709)	1:80:A:ILE:HB	1:8:B:LEU:HD23	12	1.0
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG11	8	1.0
(1,1576)	1:75:B:ILE:H	1:75:B:ILE:HG12	4	1.0
(1,810)	1:53:B:VAL:HG13	1:45:B:ILE:HD13	13	1.0
(1,654)	1:37:B:LEU:HB2	1:48:B:ILE:HG12	20	1.0
(1,653)	1:37:A:LEU:HB2	1:48:A:ILE:HG12	20	1.0
(1,617)	1:42:A:ALA:HB2	1:43:A:ASN:HB3	5	1.0
(1,3772)	1:54:B:ILE:H	1:48:B:ILE:HD13	9	0.99
(1,3771)	1:54:A:ILE:H	1:48:A:ILE:HD13	9	0.99
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG22	11	0.99
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG22	11	0.99
(1,3662)	1:61:B:LEU:H	1:77:B:LEU:HB2	1	0.99
(1,3662)	1:61:B:LEU:H	1:77:B:LEU:HB2	14	0.99
(1,3662)	1:61:B:LEU:H	1:77:B:LEU:HB2	18	0.99
(1,3661)	1:61:A:LEU:H	1:77:A:LEU:HB2	1	0.99
(1,3661)	1:61:A:LEU:H	1:77:A:LEU:HB2	14	0.99
(1,3661)	1:61:A:LEU:H	1:77:A:LEU:HB2	18	0.99
(1,3042)	1:44:B:THR:HG21	1:12:A:VAL:HG12	4	0.99
(1,2844)	1:52:B:ALA:HB3	1:55:B:ASP:HB2	7	0.99
(1,2843)	1:52:A:ALA:HB3	1:55:A:ASP:HB2	7	0.99
(1,2802)	1:47:B:ASN:HB2	1:46:B:LYS:HG3	8	0.99
(1,2722)	1:53:B:VAL:HG23	1:46:B:LYS:HB2	17	0.99
(1,2616)	1:59:B:GLN:HG2	1:57:B:ILE:HB	4	0.99
(1,2616)	1:59:B:GLN:HG3	1:57:B:ILE:HB	8	0.99
(1,2591)	1:89:A:THR:HG21	1:83:A:LYS:HB3	17	0.99
(1,2204)	1:52:B:ALA:HB1	1:51:B:LYS:HE2	6	0.99
(1,2158)	1:82:B:LEU:HG	1:7:A:HIS:HB2	12	0.99
(1,2052)	1:8:B:LEU:HA	1:81:A:ALA:HA	2	0.99
(1,2051)	1:8:A:LEU:HA	1:81:B:ALA:HA	2	0.99
(1,2051)	1:8:A:LEU:HA	1:81:B:ALA:HA	7	0.99
(1,1988)	1:30:B:LYS:HD2	1:29:B:SER:HB3	18	0.99
(1,1987)	1:30:A:LYS:HD2	1:29:A:SER:HB3	18	0.99
(1,1864)	1:18:B:TYR:H	1:36:B:LEU:HD22	11	0.99
(1,1846)	1:30:B:LYS:HB2	1:62:B:ASP:H	14	0.99
(1,1846)	1:54:B:ILE:H	1:48:B:ILE:HG12	18	0.99
(1,1845)	1:30:A:LYS:HB2	1:62:A:ASP:H	14	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1710)	1:80:B:ILE:HB	1:75:A:ILE:HD13	14	0.99
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG11	4	0.99
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG11	4	0.99
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG11	8	0.99
(1,1576)	1:75:B:ILE:H	1:75:B:ILE:HG12	3	0.99
(1,1576)	1:75:B:ILE:H	1:75:B:ILE:HG12	15	0.99
(1,1575)	1:75:A:ILE:H	1:75:A:ILE:HG12	3	0.99
(1,1575)	1:75:A:ILE:H	1:75:A:ILE:HG12	4	0.99
(1,1575)	1:75:A:ILE:H	1:75:A:ILE:HG12	15	0.99
(1,854)	1:78:B:VAL:HG11	1:45:B:ILE:HD13	6	0.99
(1,853)	1:78:A:VAL:HG11	1:45:A:ILE:HD13	6	0.99
(1,822)	1:79:B:ALA:HB3	1:75:A:ILE:HG13	2	0.99
(1,822)	1:79:B:ALA:HB1	1:75:A:ILE:HG13	19	0.99
(1,821)	1:79:A:ALA:HB3	1:75:B:ILE:HG13	2	0.99
(1,618)	1:42:B:ALA:HB2	1:43:B:ASN:HB3	5	0.99
(1,344)	1:83:B:LYS:HE3	1:87:B:TYR:HB2	4	0.99
(1,343)	1:83:A:LYS:HE3	1:87:A:TYR:HB2	4	0.99
(2,134)	1:32:B:GLU:H	1:35:B:GLN:HB3	3	0.98
(2,133)	1:32:A:GLU:H	1:35:A:GLN:HB3	3	0.98
(1,3772)	1:54:B:ILE:H	1:48:B:ILE:HD11	17	0.98
(1,3771)	1:54:A:ILE:H	1:48:A:ILE:HD11	17	0.98
(1,3662)	1:61:B:LEU:H	1:77:B:LEU:HB2	20	0.98
(1,3661)	1:61:A:LEU:H	1:63:A:ALA:HB2	8	0.98
(1,3560)	1:77:B:LEU:H	1:75:B:ILE:HB	5	0.98
(1,3560)	1:77:B:LEU:H	1:75:B:ILE:HB	7	0.98
(1,3559)	1:77:A:LEU:H	1:75:A:ILE:HB	5	0.98
(1,3559)	1:77:A:LEU:H	1:75:A:ILE:HB	7	0.98
(1,3444)	1:41:B:LEU:H	1:49:B:LYS:HE2	15	0.98
(1,3443)	1:41:A:LEU:H	1:49:A:LYS:HE2	15	0.98
(1,3041)	1:44:A:THR:HG21	1:12:B:VAL:HG12	4	0.98
(1,2950)	1:82:B:LEU:HG	1:80:B:ILE:HA	1	0.98
(1,2949)	1:82:A:LEU:HG	1:80:A:ILE:HA	1	0.98
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD12	4	0.98
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD12	4	0.98
(1,2801)	1:47:A:ASN:HB2	1:46:A:LYS:HG3	8	0.98
(1,2788)	1:72:B:GLN:HA	1:75:B:ILE:HG12	18	0.98
(1,2787)	1:72:A:GLN:HA	1:75:A:ILE:HG12	18	0.98
(1,2722)	1:53:B:VAL:HG22	1:46:B:LYS:HB2	2	0.98
(1,2721)	1:53:A:VAL:HG22	1:46:A:LYS:HB2	2	0.98
(1,2615)	1:59:A:GLN:HG3	1:57:A:ILE:HB	8	0.98
(1,2592)	1:89:B:THR:HG21	1:83:B:LYS:HB3	17	0.98
(1,2510)	1:83:B:LYS:HE3	1:72:A:GLN:HB3	7	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2509)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	16	0.98
(1,2402)	1:51:B:LYS:HD3	1:53:B:VAL:HB	9	0.98
(1,2401)	1:51:A:LYS:HD3	1:53:A:VAL:HB	9	0.98
(1,2331)	1:83:A:LYS:HE3	1:86:A:HIS:HB3	19	0.98
(1,2268)	1:75:B:ILE:HD11	1:83:A:LYS:HE3	8	0.98
(1,2052)	1:8:B:LEU:HA	1:44:A:THR:HB	4	0.98
(1,2051)	1:8:A:LEU:HA	1:44:B:THR:HB	4	0.98
(1,1853)	1:54:A:ILE:H	1:55:A:ASP:HB2	20	0.98
(1,1846)	1:54:B:ILE:H	1:48:B:ILE:HG12	3	0.98
(1,1845)	1:54:A:ILE:H	1:48:A:ILE:HG12	3	0.98
(1,1810)	1:35:B:GLN:H	1:37:B:LEU:HA	6	0.98
(1,1810)	1:44:B:THR:H	1:37:B:LEU:HA	11	0.98
(1,1809)	1:35:A:GLN:H	1:37:A:LEU:HA	6	0.98
(1,1809)	1:44:A:THR:H	1:37:A:LEU:HA	11	0.98
(1,1793)	1:49:A:LYS:HD2	1:50:A:ASP:H	15	0.98
(1,1710)	1:80:B:ILE:HB	1:75:A:ILE:HG22	11	0.98
(1,1710)	1:80:B:ILE:HB	1:8:A:LEU:HD23	12	0.98
(1,1710)	1:80:B:ILE:HB	1:75:A:ILE:HD13	13	0.98
(1,1709)	1:80:A:ILE:HB	1:75:B:ILE:HG22	11	0.98
(1,1709)	1:80:A:ILE:HB	1:75:B:ILE:HD13	14	0.98
(1,1698)	1:8:B:LEU:HG	1:11:A:ILE:HB	4	0.98
(1,1697)	1:8:A:LEU:HG	1:11:B:ILE:HB	4	0.98
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG12	10	0.98
(1,1575)	1:75:A:ILE:H	1:75:A:ILE:HG12	20	0.98
(1,854)	1:78:B:VAL:HG13	1:45:B:ILE:HD12	14	0.98
(1,853)	1:78:A:VAL:HG13	1:45:A:ILE:HD12	14	0.98
(1,821)	1:79:A:ALA:HB1	1:75:B:ILE:HG13	19	0.98
(1,654)	1:37:B:LEU:HB2	1:48:B:ILE:HG12	15	0.98
(1,653)	1:37:A:LEU:HB2	1:48:A:ILE:HG12	15	0.98
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG21	3	0.97
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG22	14	0.97
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG21	3	0.97
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG22	14	0.97
(1,3772)	1:54:B:ILE:H	1:48:B:ILE:HD13	6	0.97
(1,3772)	1:54:B:ILE:H	1:48:B:ILE:HD12	8	0.97
(1,3771)	1:54:A:ILE:H	1:48:A:ILE:HD12	8	0.97
(1,3662)	1:61:B:LEU:H	1:77:B:LEU:HB2	2	0.97
(1,3662)	1:61:B:LEU:H	1:63:B:ALA:HB2	8	0.97
(1,3661)	1:61:A:LEU:H	1:77:A:LEU:HB2	20	0.97
(1,3447)	1:89:A:THR:H	1:83:A:LYS:HE2	5	0.97
(1,3039)	1:53:A:VAL:HG11	1:45:A:ILE:HG13	13	0.97
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG11	9	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG11	9	0.97
(1,2937)	1:7:A:HIS:HB2	1:44:B:THR:HG23	15	0.97
(1,2722)	1:53:B:VAL:HG23	1:46:B:LYS:HB2	11	0.97
(1,2721)	1:53:A:VAL:HG23	1:46:A:LYS:HB2	11	0.97
(1,2594)	1:81:B:ALA:HB2	1:80:B:ILE:HB	16	0.97
(1,2594)	1:81:B:ALA:HB1	1:80:B:ILE:HB	18	0.97
(1,2593)	1:81:A:ALA:HB2	1:80:A:ILE:HB	13	0.97
(1,2593)	1:81:A:ALA:HB2	1:80:A:ILE:HB	16	0.97
(1,2593)	1:81:A:ALA:HB1	1:80:A:ILE:HB	18	0.97
(1,2565)	1:86:A:HIS:HB3	1:83:A:LYS:HB3	18	0.97
(1,2332)	1:83:B:LYS:HE3	1:86:B:HIS:HB3	19	0.97
(1,2267)	1:75:A:ILE:HD11	1:83:B:LYS:HE3	8	0.97
(1,2240)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	16	0.97
(1,2239)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	16	0.97
(1,2210)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	16	0.97
(1,2209)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	16	0.97
(1,1864)	1:18:B:TYR:H	1:36:B:LEU:HD22	14	0.97
(1,1854)	1:54:B:ILE:H	1:55:B:ASP:HB2	20	0.97
(1,1794)	1:49:B:LYS:HD2	1:50:B:ASP:H	15	0.97
(1,1709)	1:80:A:ILE:HB	1:75:B:ILE:HD12	7	0.97
(1,1697)	1:8:A:LEU:HG	1:11:B:ILE:HB	20	0.97
(1,1676)	1:77:B:LEU:H	1:78:B:VAL:HG12	17	0.97
(1,1675)	1:77:A:LEU:H	1:78:A:VAL:HG12	17	0.97
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG11	19	0.97
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG11	20	0.97
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG11	2	0.97
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG12	10	0.97
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG11	19	0.97
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG11	20	0.97
(1,1576)	1:75:B:ILE:H	1:75:B:ILE:HG12	20	0.97
(1,1410)	1:49:B:LYS:H	1:50:B:ASP:HB3	7	0.97
(1,654)	1:37:B:LEU:HB2	1:48:B:ILE:HG12	5	0.97
(1,653)	1:37:A:LEU:HB2	1:48:A:ILE:HG12	5	0.97
(1,11)	1:75:A:ILE:HD13	1:83:B:LYS:HB3	10	0.97
(2,66)	1:35:B:GLN:HB3	1:32:B:GLU:HB2	3	0.96
(2,66)	1:35:B:GLN:HB3	1:32:B:GLU:HB2	4	0.96
(2,65)	1:35:A:GLN:HB3	1:32:A:GLU:HB2	3	0.96
(2,65)	1:35:A:GLN:HB3	1:32:A:GLU:HB2	4	0.96
(2,10)	1:80:B:ILE:H	1:91:B:LYS:HD3	18	0.96
(2,9)	1:80:A:ILE:H	1:91:A:LYS:HD3	18	0.96
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD11	5	0.96
(1,3780)	1:38:B:THR:H	1:48:B:ILE:HG21	10	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3779)	1:38:A:THR:H	1:48:A:ILE:HG21	10	0.96
(1,3771)	1:54:A:ILE:H	1:48:A:ILE:HD13	6	0.96
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG22	10	0.96
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG22	10	0.96
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG22	18	0.96
(1,3665)	1:76:A:SER:H	1:77:A:LEU:HB3	17	0.96
(1,3662)	1:61:B:LEU:H	1:63:B:ALA:HB1	5	0.96
(1,3661)	1:61:A:LEU:H	1:77:A:LEU:HB2	2	0.96
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB1	7	0.96
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB1	20	0.96
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB1	7	0.96
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB1	20	0.96
(1,3592)	1:80:B:ILE:H	1:91:B:LYS:HD3	18	0.96
(1,3591)	1:80:A:ILE:H	1:91:A:LYS:HD3	18	0.96
(1,3560)	1:77:B:LEU:H	1:61:B:LEU:HG	8	0.96
(1,3559)	1:77:A:LEU:H	1:61:A:LEU:HG	8	0.96
(1,3448)	1:89:B:THR:H	1:83:B:LYS:HE2	5	0.96
(1,3444)	1:41:B:LEU:H	1:49:B:LYS:HE2	19	0.96
(1,3443)	1:41:A:LEU:H	1:49:A:LYS:HE2	19	0.96
(1,3040)	1:53:B:VAL:HG11	1:45:B:ILE:HG13	13	0.96
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG11	17	0.96
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG11	17	0.96
(1,2938)	1:7:B:HIS:HB2	1:44:A:THR:HG23	15	0.96
(1,2804)	1:49:B:LYS:HG2	1:47:B:ASN:HB3	1	0.96
(1,2787)	1:72:A:GLN:HA	1:75:A:ILE:HG12	16	0.96
(1,2682)	1:83:B:LYS:HB2	1:91:B:LYS:HD3	5	0.96
(1,2681)	1:83:A:LYS:HB2	1:91:A:LYS:HD3	5	0.96
(1,2612)	1:91:B:LYS:HE2	1:80:B:ILE:HB	9	0.96
(1,2611)	1:91:A:LYS:HE2	1:80:A:ILE:HB	9	0.96
(1,2594)	1:81:B:ALA:HB2	1:80:B:ILE:HB	7	0.96
(1,2594)	1:81:B:ALA:HB2	1:80:B:ILE:HB	13	0.96
(1,2593)	1:81:A:ALA:HB2	1:80:A:ILE:HB	7	0.96
(1,2566)	1:86:B:HIS:HB3	1:83:B:LYS:HB3	18	0.96
(1,2458)	1:37:B:LEU:HG	1:40:B:GLU:HG3	15	0.96
(1,2051)	1:8:A:LEU:HA	1:81:B:ALA:HA	19	0.96
(1,1864)	1:18:B:TYR:H	1:36:B:LEU:HD21	10	0.96
(1,1863)	1:18:A:TYR:H	1:36:A:LEU:HD21	10	0.96
(1,1863)	1:18:A:TYR:H	1:36:A:LEU:HD22	14	0.96
(1,1854)	1:54:B:ILE:H	1:55:B:ASP:HB2	10	0.96
(1,1810)	1:35:B:GLN:H	1:37:B:LEU:HA	17	0.96
(1,1810)	1:35:B:GLN:H	1:37:B:LEU:HA	18	0.96
(1,1809)	1:35:A:GLN:H	1:37:A:LEU:HA	17	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1809)	1:35:A:GLN:H	1:37:A:LEU:HA	18	0.96
(1,1710)	1:80:B:ILE:HB	1:75:A:ILE:HD11	15	0.96
(1,1710)	1:80:B:ILE:HB	1:75:A:ILE:HD13	19	0.96
(1,1710)	1:80:B:ILE:HB	1:75:A:ILE:HD12	20	0.96
(1,1709)	1:80:A:ILE:HB	1:75:B:ILE:HD11	15	0.96
(1,1709)	1:80:A:ILE:HB	1:75:B:ILE:HD13	19	0.96
(1,1698)	1:8:B:LEU:HG	1:11:A:ILE:HB	20	0.96
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG11	2	0.96
(1,1410)	1:49:B:LYS:H	1:50:B:ASP:HB3	17	0.96
(1,1409)	1:49:A:LYS:H	1:50:A:ASP:HB3	7	0.96
(1,1409)	1:49:A:LYS:H	1:50:A:ASP:HB3	17	0.96
(1,810)	1:53:B:VAL:HG12	1:45:B:ILE:HD11	8	0.96
(1,809)	1:53:A:VAL:HG12	1:45:A:ILE:HD11	8	0.96
(1,790)	1:30:B:LYS:HD3	1:54:B:ILE:HG23	1	0.96
(1,789)	1:30:A:LYS:HD3	1:54:A:ILE:HG23	1	0.96
(1,654)	1:37:B:LEU:HB2	1:48:B:ILE:HG12	14	0.96
(2,134)	1:32:B:GLU:H	1:35:B:GLN:HB3	4	0.95
(2,134)	1:32:B:GLU:H	1:35:B:GLN:HB3	11	0.95
(2,133)	1:32:A:GLU:H	1:35:A:GLN:HB3	4	0.95
(2,133)	1:32:A:GLU:H	1:35:A:GLN:HB3	11	0.95
(2,80)	1:58:B:PHE:HB2	1:61:B:LEU:HB3	14	0.95
(2,79)	1:58:A:PHE:HB2	1:61:A:LEU:HB3	14	0.95
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD11	5	0.95
(1,3780)	1:38:B:THR:H	1:48:B:ILE:HG21	11	0.95
(1,3779)	1:38:A:THR:H	1:48:A:ILE:HG21	11	0.95
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG21	12	0.95
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG21	12	0.95
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG22	18	0.95
(1,3666)	1:76:B:SER:H	1:77:B:LEU:HB3	7	0.95
(1,3666)	1:76:B:SER:H	1:77:B:LEU:HB3	17	0.95
(1,3665)	1:76:A:SER:H	1:77:A:LEU:HB3	7	0.95
(1,3661)	1:61:A:LEU:H	1:63:A:ALA:HB1	5	0.95
(1,3647)	1:8:A:LEU:H	1:85:B:ALA:HB2	10	0.95
(1,3580)	1:8:B:LEU:H	1:40:A:GLU:HB3	19	0.95
(1,3560)	1:77:B:LEU:H	1:75:B:ILE:HB	16	0.95
(1,3559)	1:77:A:LEU:H	1:75:A:ILE:HB	16	0.95
(1,3444)	1:41:B:LEU:H	1:49:B:LYS:HE2	20	0.95
(1,3443)	1:41:A:LEU:H	1:49:A:LYS:HE2	20	0.95
(1,3220)	1:30:B:LYS:HG3	1:62:B:ASP:HB2	8	0.95
(1,3219)	1:30:A:LYS:HG3	1:62:A:ASP:HB2	8	0.95
(1,3145)	1:88:A:HIS:HB3	1:12:B:VAL:HG23	15	0.95
(1,3040)	1:53:B:VAL:HG12	1:45:B:ILE:HG13	7	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3039)	1:53:A:VAL:HG12	1:45:A:ILE:HG13	7	0.95
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG12	4	0.95
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG12	4	0.95
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG11	18	0.95
(1,2966)	1:91:B:LYS:HG3	1:89:B:THR:HG21	11	0.95
(1,2965)	1:91:A:LYS:HG3	1:89:A:THR:HG21	11	0.95
(1,2803)	1:49:A:LYS:HG2	1:47:A:ASN:HB3	1	0.95
(1,2788)	1:72:B:GLN:HA	1:75:B:ILE:HG12	4	0.95
(1,2788)	1:72:B:GLN:HA	1:75:B:ILE:HG12	6	0.95
(1,2788)	1:72:B:GLN:HA	1:75:B:ILE:HG12	16	0.95
(1,2787)	1:72:A:GLN:HA	1:75:A:ILE:HG12	4	0.95
(1,2787)	1:72:A:GLN:HA	1:75:A:ILE:HG12	6	0.95
(1,2734)	1:51:B:LYS:HD3	1:31:B:GLY:HA3	10	0.95
(1,2733)	1:51:A:LYS:HD3	1:31:A:GLY:HA3	10	0.95
(1,2722)	1:53:B:VAL:HG23	1:46:B:LYS:HB2	7	0.95
(1,2706)	1:46:B:LYS:HB2	1:45:B:ILE:HB	4	0.95
(1,2705)	1:46:A:LYS:HB2	1:45:A:ILE:HB	4	0.95
(1,2612)	1:91:B:LYS:HE3	1:83:B:LYS:HB3	10	0.95
(1,2612)	1:91:B:LYS:HE2	1:83:B:LYS:HB3	18	0.95
(1,2611)	1:91:A:LYS:HE3	1:83:A:LYS:HB3	10	0.95
(1,2611)	1:83:A:LYS:HB2	1:83:A:LYS:HE2	17	0.95
(1,2611)	1:91:A:LYS:HE2	1:83:A:LYS:HB3	18	0.95
(1,2594)	1:81:B:ALA:HB2	1:80:B:ILE:HB	6	0.95
(1,2593)	1:81:A:ALA:HB2	1:80:A:ILE:HB	6	0.95
(1,2458)	1:37:B:LEU:HG	1:40:B:GLU:HG2	16	0.95
(1,2457)	1:37:A:LEU:HG	1:40:A:GLU:HG3	15	0.95
(1,2338)	1:58:B:PHE:HB2	1:30:B:LYS:HE2	12	0.95
(1,2337)	1:58:A:PHE:HB2	1:30:A:LYS:HE2	12	0.95
(1,2233)	1:89:A:THR:HG21	1:91:A:LYS:HE2	15	0.95
(1,2180)	1:13:B:ASN:HB2	1:16:B:HIS:HB3	15	0.95
(1,2180)	1:13:B:ASN:HB2	1:16:B:HIS:HB3	18	0.95
(1,2179)	1:13:A:ASN:HB2	1:16:A:HIS:HB3	18	0.95
(1,2166)	1:12:B:VAL:HG23	1:88:A:HIS:HB3	15	0.95
(1,2059)	1:83:A:LYS:HD2	1:79:A:ALA:HA	14	0.95
(1,2052)	1:8:B:LEU:HA	1:81:A:ALA:HA	5	0.95
(1,2052)	1:8:B:LEU:HA	1:81:A:ALA:HA	19	0.95
(1,2026)	1:82:B:LEU:HD11	1:82:B:LEU:HA	15	0.95
(1,2025)	1:82:A:LEU:HD11	1:82:A:LEU:HA	15	0.95
(1,1853)	1:54:A:ILE:H	1:55:A:ASP:HB2	10	0.95
(1,1810)	1:35:B:GLN:H	1:37:B:LEU:HA	3	0.95
(1,1809)	1:35:A:GLN:H	1:37:A:LEU:HA	3	0.95
(1,1710)	1:80:B:ILE:HB	1:75:A:ILE:HD12	7	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1709)	1:80:A:ILE:HB	1:75:B:ILE:HD12	20	0.95
(1,1576)	1:75:B:ILE:H	1:75:B:ILE:HG12	11	0.95
(1,1575)	1:75:A:ILE:H	1:75:A:ILE:HG12	11	0.95
(1,654)	1:37:B:LEU:HB2	1:48:B:ILE:HG12	12	0.95
(1,653)	1:37:A:LEU:HB2	1:48:A:ILE:HG12	14	0.95
(1,584)	1:8:B:LEU:HB2	1:82:A:LEU:HB3	9	0.95
(1,583)	1:8:A:LEU:HB2	1:82:B:LEU:HB3	18	0.95
(1,478)	1:83:B:LYS:HE2	1:72:A:GLN:HB3	16	0.95
(1,408)	1:36:B:LEU:HD23	1:40:B:GLU:HB2	7	0.95
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG22	2	0.94
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG22	2	0.94
(1,3780)	1:38:B:THR:H	1:48:B:ILE:HG21	13	0.94
(1,3579)	1:8:A:LEU:H	1:40:B:GLU:HB3	19	0.94
(1,3560)	1:77:B:LEU:H	1:61:B:LEU:HG	13	0.94
(1,3559)	1:77:A:LEU:H	1:61:A:LEU:HG	13	0.94
(1,3513)	1:83:A:LYS:H	1:8:B:LEU:HB3	4	0.94
(1,3513)	1:87:A:TYR:H	1:71:B:PHE:HB2	7	0.94
(1,3146)	1:88:B:HIS:HB3	1:12:A:VAL:HG23	15	0.94
(1,3116)	1:57:B:ILE:HG23	1:56:B:GLU:HA	6	0.94
(1,3115)	1:57:A:ILE:HG23	1:56:A:GLU:HA	6	0.94
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG12	13	0.94
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG11	18	0.94
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG12	13	0.94
(1,2988)	1:53:B:VAL:HG13	1:56:B:GLU:HG3	4	0.94
(1,2987)	1:53:A:VAL:HG13	1:56:A:GLU:HG3	4	0.94
(1,2916)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	15	0.94
(1,2915)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	15	0.94
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD13	10	0.94
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD13	10	0.94
(1,2844)	1:52:B:ALA:HB2	1:55:B:ASP:HB2	6	0.94
(1,2788)	1:72:B:GLN:HA	1:75:B:ILE:HG12	20	0.94
(1,2787)	1:72:A:GLN:HA	1:75:A:ILE:HG12	20	0.94
(1,2730)	1:75:B:ILE:HD11	1:91:A:LYS:HB2	2	0.94
(1,2729)	1:75:A:ILE:HD11	1:91:B:LYS:HB2	2	0.94
(1,2721)	1:53:A:VAL:HG23	1:46:A:LYS:HB2	7	0.94
(1,2706)	1:46:B:LYS:HB2	1:45:B:ILE:HB	8	0.94
(1,2705)	1:45:A:ILE:HB	1:49:A:LYS:HD2	8	0.94
(1,2612)	1:83:B:LYS:HB2	1:83:B:LYS:HE2	17	0.94
(1,2594)	1:81:B:ALA:HB2	1:80:B:ILE:HB	11	0.94
(1,2593)	1:81:A:ALA:HB2	1:80:A:ILE:HB	11	0.94
(1,2593)	1:81:A:ALA:HB2	1:80:A:ILE:HB	12	0.94
(1,2458)	1:37:B:LEU:HG	1:40:B:GLU:HG2	2	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2458)	1:37:B:LEU:HG	1:40:B:GLU:HG2	12	0.94
(1,2457)	1:37:A:LEU:HG	1:40:A:GLU:HG2	2	0.94
(1,2457)	1:37:A:LEU:HG	1:40:A:GLU:HG2	12	0.94
(1,2457)	1:37:A:LEU:HG	1:40:A:GLU:HG2	16	0.94
(1,2343)	1:54:A:ILE:HG22	1:30:A:LYS:HE3	7	0.94
(1,2268)	1:75:B:ILE:HD13	1:83:A:LYS:HE3	3	0.94
(1,2267)	1:75:A:ILE:HD13	1:83:B:LYS:HE3	3	0.94
(1,2234)	1:89:B:THR:HG21	1:91:B:LYS:HE2	15	0.94
(1,2179)	1:13:A:ASN:HB2	1:16:A:HIS:HB3	15	0.94
(1,2165)	1:12:A:VAL:HG23	1:88:B:HIS:HB3	15	0.94
(1,2060)	1:83:B:LYS:HD2	1:79:B:ALA:HA	14	0.94
(1,2051)	1:8:A:LEU:HA	1:81:B:ALA:HA	5	0.94
(1,2026)	1:82:B:LEU:HD13	1:82:B:LEU:HA	8	0.94
(1,2026)	1:82:B:LEU:HD12	1:82:B:LEU:HA	17	0.94
(1,2025)	1:82:A:LEU:HD13	1:82:A:LEU:HA	8	0.94
(1,2025)	1:82:A:LEU:HD12	1:82:A:LEU:HA	17	0.94
(1,1936)	1:91:B:LYS:HD2	1:91:B:LYS:HA	8	0.94
(1,1846)	1:54:B:ILE:H	1:48:B:ILE:HG12	6	0.94
(1,1846)	1:54:B:ILE:H	1:48:B:ILE:HG12	17	0.94
(1,1845)	1:54:A:ILE:H	1:48:A:ILE:HG12	6	0.94
(1,1845)	1:54:A:ILE:H	1:48:A:ILE:HG12	17	0.94
(1,1810)	1:35:B:GLN:H	1:37:B:LEU:HA	16	0.94
(1,1794)	1:49:B:LYS:HD2	1:50:B:ASP:H	17	0.94
(1,1709)	1:80:A:ILE:HB	1:75:B:ILE:HD13	13	0.94
(1,653)	1:37:A:LEU:HB2	1:48:A:ILE:HG12	12	0.94
(1,584)	1:8:B:LEU:HB2	1:82:A:LEU:HB3	18	0.94
(1,407)	1:36:A:LEU:HD23	1:40:A:GLU:HB2	7	0.94
(1,3780)	1:38:B:THR:H	1:48:B:ILE:HG21	4	0.93
(1,3779)	1:38:A:THR:H	1:48:A:ILE:HG21	4	0.93
(1,3779)	1:38:A:THR:H	1:48:A:ILE:HG21	13	0.93
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG22	3	0.93
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG22	3	0.93
(1,3738)	1:32:B:GLU:H	1:33:B:LEU:HD11	5	0.93
(1,3666)	1:76:B:SER:H	1:77:B:LEU:HB3	1	0.93
(1,3665)	1:76:A:SER:H	1:77:A:LEU:HB3	1	0.93
(1,3665)	1:76:A:SER:H	1:77:A:LEU:HB3	5	0.93
(1,3662)	1:61:B:LEU:H	1:63:B:ALA:HB2	15	0.93
(1,3661)	1:61:A:LEU:H	1:63:A:ALA:HB2	15	0.93
(1,3580)	1:8:B:LEU:H	1:41:A:LEU:HB3	6	0.93
(1,3560)	1:77:B:LEU:H	1:75:B:ILE:HB	9	0.93
(1,3559)	1:77:A:LEU:H	1:75:A:ILE:HB	9	0.93
(1,3514)	1:83:B:LYS:H	1:8:A:LEU:HB3	4	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3448)	1:89:B:THR:H	1:83:B:LYS:HE3	2	0.93
(1,3447)	1:89:A:THR:H	1:83:A:LYS:HE3	2	0.93
(1,3444)	1:41:B:LEU:H	1:49:B:LYS:HE3	14	0.93
(1,3443)	1:41:A:LEU:H	1:49:A:LYS:HE3	14	0.93
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG12	19	0.93
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG12	19	0.93
(1,2964)	1:91:B:LYS:HD3	1:44:B:THR:HG22	16	0.93
(1,2963)	1:91:A:LYS:HD3	1:44:A:THR:HG22	16	0.93
(1,2843)	1:52:A:ALA:HB2	1:55:A:ASP:HB2	6	0.93
(1,2706)	1:46:B:LYS:HB2	1:45:B:ILE:HB	3	0.93
(1,2706)	1:45:B:ILE:HB	1:49:B:LYS:HD2	11	0.93
(1,2705)	1:46:A:LYS:HB2	1:45:A:ILE:HB	3	0.93
(1,2705)	1:45:A:ILE:HB	1:49:A:LYS:HD2	11	0.93
(1,2650)	1:34:B:LYS:HB3	1:32:B:GLU:HB3	16	0.93
(1,2649)	1:34:A:LYS:HB3	1:32:A:GLU:HB3	16	0.93
(1,2616)	1:59:B:GLN:HG3	1:57:B:ILE:HB	18	0.93
(1,2615)	1:59:A:GLN:HG3	1:57:A:ILE:HB	18	0.93
(1,2594)	1:81:B:ALA:HB3	1:80:B:ILE:HB	1	0.93
(1,2594)	1:81:B:ALA:HB2	1:80:B:ILE:HB	12	0.93
(1,2593)	1:81:A:ALA:HB3	1:80:A:ILE:HB	1	0.93
(1,2593)	1:81:A:ALA:HB2	1:80:A:ILE:HB	14	0.93
(1,2562)	1:91:B:LYS:HE2	1:80:B:ILE:HB	9	0.93
(1,2562)	1:91:B:LYS:HE3	1:83:B:LYS:HB3	10	0.93
(1,2562)	1:91:B:LYS:HE2	1:83:B:LYS:HB3	18	0.93
(1,2561)	1:91:A:LYS:HE2	1:80:A:ILE:HB	9	0.93
(1,2561)	1:91:A:LYS:HE3	1:83:A:LYS:HB3	10	0.93
(1,2457)	1:37:A:LEU:HG	1:40:A:GLU:HG2	8	0.93
(1,2344)	1:54:B:ILE:HG22	1:30:B:LYS:HE3	7	0.93
(1,2296)	1:59:B:GLN:HG2	1:55:B:ASP:HB3	14	0.93
(1,2278)	1:42:B:ALA:HB2	1:43:B:ASN:HB3	16	0.93
(1,2277)	1:42:A:ALA:HB2	1:43:A:ASN:HB3	16	0.93
(1,2026)	1:82:B:LEU:HD11	1:82:B:LEU:HA	6	0.93
(1,2025)	1:82:A:LEU:HD11	1:82:A:LEU:HA	6	0.93
(1,1988)	1:30:B:LYS:HD3	1:56:B:GLU:HA	8	0.93
(1,1987)	1:30:A:LYS:HD3	1:56:A:GLU:HA	8	0.93
(1,1935)	1:91:A:LYS:HD2	1:91:A:LYS:HA	8	0.93
(1,1810)	1:35:B:GLN:H	1:37:B:LEU:HA	7	0.93
(1,1810)	1:35:B:GLN:H	1:37:B:LEU:HA	9	0.93
(1,1809)	1:35:A:GLN:H	1:37:A:LEU:HA	7	0.93
(1,1809)	1:35:A:GLN:H	1:37:A:LEU:HA	9	0.93
(1,1809)	1:35:A:GLN:H	1:37:A:LEU:HA	16	0.93
(1,1793)	1:49:A:LYS:HD2	1:50:A:ASP:H	17	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1710)	1:80:B:ILE:HB	1:75:A:ILE:HD11	16	0.93
(1,854)	1:78:B:VAL:HG13	1:45:B:ILE:HD12	13	0.93
(1,853)	1:78:A:VAL:HG13	1:45:A:ILE:HD12	13	0.93
(1,821)	1:79:A:ALA:HB3	1:75:B:ILE:HG13	10	0.93
(1,666)	1:37:B:LEU:HD23	1:37:B:LEU:HB2	1	0.93
(1,666)	1:37:B:LEU:HD21	1:37:B:LEU:HB2	10	0.93
(1,665)	1:37:A:LEU:HD23	1:37:A:LEU:HB2	1	0.93
(1,665)	1:37:A:LEU:HD21	1:37:A:LEU:HB2	10	0.93
(1,583)	1:8:A:LEU:HB2	1:82:B:LEU:HB3	9	0.93
(1,562)	1:39:B:LYS:HD2	1:35:B:GLN:HG2	16	0.93
(1,561)	1:39:A:LYS:HD2	1:35:A:GLN:HG2	16	0.93
(1,558)	1:91:B:LYS:HD3	1:80:B:ILE:HA	2	0.93
(1,557)	1:91:A:LYS:HD3	1:80:A:ILE:HA	2	0.93
(1,395)	1:50:A:ASP:HB3	1:47:A:ASN:HB2	14	0.93
(1,344)	1:83:B:LYS:HE3	1:87:B:TYR:HB2	7	0.93
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HG23	18	0.92
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HG23	18	0.92
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG22	13	0.92
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG22	13	0.92
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG21	4	0.92
(1,3737)	1:32:A:GLU:H	1:33:A:LEU:HD11	5	0.92
(1,3666)	1:76:B:SER:H	1:77:B:LEU:HB3	5	0.92
(1,3648)	1:8:B:LEU:H	1:85:A:ALA:HB2	10	0.92
(1,3579)	1:8:A:LEU:H	1:41:B:LEU:HB3	6	0.92
(1,3560)	1:77:B:LEU:H	1:61:B:LEU:HG	11	0.92
(1,3560)	1:77:B:LEU:H	1:61:B:LEU:HG	18	0.92
(1,3559)	1:77:A:LEU:H	1:61:A:LEU:HG	11	0.92
(1,3559)	1:77:A:LEU:H	1:61:A:LEU:HG	18	0.92
(1,3430)	1:56:B:GLU:H	1:51:B:LYS:HE2	19	0.92
(1,3429)	1:56:A:GLU:H	1:51:A:LYS:HE2	19	0.92
(1,3146)	1:88:B:HIS:HB3	1:12:A:VAL:HG23	20	0.92
(1,3115)	1:8:A:LEU:HG	1:6:A:GLU:HA	7	0.92
(1,3113)	1:8:A:LEU:HG	1:6:A:GLU:HA	7	0.92
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG13	11	0.92
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG13	11	0.92
(1,2988)	1:56:B:GLU:HG3	1:57:B:ILE:HG13	1	0.92
(1,2938)	1:7:B:HIS:HB2	1:44:A:THR:HG23	16	0.92
(1,2937)	1:7:A:HIS:HB2	1:44:B:THR:HG23	16	0.92
(1,2788)	1:72:B:GLN:HA	1:75:B:ILE:HG12	2	0.92
(1,2787)	1:72:A:GLN:HA	1:75:A:ILE:HG12	2	0.92
(1,2706)	1:46:B:LYS:HB2	1:45:B:ILE:HB	15	0.92
(1,2706)	1:46:B:LYS:HB2	1:45:B:ILE:HB	17	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2706)	1:46:B:LYS:HB2	1:45:B:ILE:HB	20	0.92
(1,2705)	1:46:A:LYS:HB2	1:45:A:ILE:HB	15	0.92
(1,2705)	1:46:A:LYS:HB2	1:45:A:ILE:HB	17	0.92
(1,2705)	1:46:A:LYS:HB2	1:45:A:ILE:HB	20	0.92
(1,2594)	1:81:B:ALA:HB2	1:80:B:ILE:HB	14	0.92
(1,2562)	1:83:B:LYS:HB2	1:83:B:LYS:HE2	17	0.92
(1,2561)	1:83:A:LYS:HB2	1:83:A:LYS:HE2	17	0.92
(1,2561)	1:91:A:LYS:HE2	1:83:A:LYS:HB3	18	0.92
(1,2521)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	15	0.92
(1,2510)	1:83:B:LYS:HE3	1:72:A:GLN:HB3	1	0.92
(1,2458)	1:37:B:LEU:HG	1:40:B:GLU:HG2	8	0.92
(1,2458)	1:37:B:LEU:HG	1:40:B:GLU:HG2	10	0.92
(1,2458)	1:37:B:LEU:HG	1:40:B:GLU:HG2	11	0.92
(1,2457)	1:37:A:LEU:HG	1:40:A:GLU:HG2	10	0.92
(1,2457)	1:37:A:LEU:HG	1:40:A:GLU:HG2	11	0.92
(1,2402)	1:51:B:LYS:HD2	1:53:B:VAL:HB	19	0.92
(1,2401)	1:51:A:LYS:HD2	1:53:A:VAL:HB	19	0.92
(1,2361)	1:53:A:VAL:HB	1:46:A:LYS:HE2	19	0.92
(1,2295)	1:59:A:GLN:HG2	1:55:A:ASP:HB3	14	0.92
(1,2192)	1:46:B:LYS:HE2	1:90:B:HIS:HB2	9	0.92
(1,2052)	1:8:B:LEU:HA	1:81:A:ALA:HA	15	0.92
(1,2052)	1:8:B:LEU:HA	1:81:A:ALA:HA	20	0.92
(1,2051)	1:8:A:LEU:HA	1:81:B:ALA:HA	15	0.92
(1,2051)	1:8:A:LEU:HA	1:81:B:ALA:HA	20	0.92
(1,2026)	1:82:B:LEU:HD11	1:82:B:LEU:HA	1	0.92
(1,2025)	1:82:A:LEU:HD11	1:82:A:LEU:HA	1	0.92
(1,1810)	1:35:B:GLN:H	1:37:B:LEU:HA	2	0.92
(1,1809)	1:35:A:GLN:H	1:37:A:LEU:HA	2	0.92
(1,1793)	1:49:A:LYS:HD2	1:50:A:ASP:H	19	0.92
(1,1710)	1:80:B:ILE:HB	1:75:A:ILE:HD11	17	0.92
(1,1709)	1:80:A:ILE:HB	1:75:B:ILE:HD11	16	0.92
(1,1709)	1:80:A:ILE:HB	1:75:B:ILE:HD11	17	0.92
(1,1575)	1:75:A:ILE:H	1:75:A:ILE:HG12	18	0.92
(1,1410)	1:49:B:LYS:H	1:50:B:ASP:HB3	10	0.92
(1,1410)	1:49:B:LYS:H	1:50:B:ASP:HB3	12	0.92
(1,1409)	1:49:A:LYS:H	1:50:A:ASP:HB3	12	0.92
(1,1409)	1:49:A:LYS:H	1:50:A:ASP:HB3	15	0.92
(1,854)	1:78:B:VAL:HG13	1:45:B:ILE:HD12	15	0.92
(1,854)	1:78:B:VAL:HG11	1:45:B:ILE:HD11	16	0.92
(1,853)	1:78:A:VAL:HG13	1:45:A:ILE:HD12	15	0.92
(1,853)	1:78:A:VAL:HG11	1:45:A:ILE:HD11	16	0.92
(1,822)	1:79:B:ALA:HB3	1:75:A:ILE:HG13	10	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,810)	1:53:B:VAL:HG13	1:45:B:ILE:HD11	6	0.92
(1,809)	1:53:A:VAL:HG13	1:45:A:ILE:HD11	6	0.92
(1,666)	1:37:B:LEU:HD21	1:37:B:LEU:HB2	3	0.92
(1,666)	1:37:B:LEU:HD21	1:37:B:LEU:HB2	11	0.92
(1,666)	1:37:B:LEU:HD23	1:37:B:LEU:HB2	18	0.92
(1,666)	1:37:B:LEU:HD23	1:37:B:LEU:HB2	20	0.92
(1,665)	1:37:A:LEU:HD22	1:37:A:LEU:HB2	3	0.92
(1,665)	1:37:A:LEU:HD21	1:37:A:LEU:HB2	11	0.92
(1,665)	1:37:A:LEU:HD23	1:37:A:LEU:HB2	18	0.92
(1,665)	1:37:A:LEU:HD23	1:37:A:LEU:HB2	20	0.92
(1,578)	1:89:B:THR:HG22	1:91:B:LYS:HB2	12	0.92
(1,577)	1:89:A:THR:HG22	1:91:A:LYS:HB2	12	0.92
(1,396)	1:50:B:ASP:HB3	1:47:B:ASN:HB2	14	0.92
(1,343)	1:83:A:LYS:HE3	1:87:A:TYR:HB2	7	0.92
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HG23	20	0.91
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HG23	20	0.91
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG21	4	0.91
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG21	9	0.91
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG21	9	0.91
(1,3666)	1:76:B:SER:H	1:77:B:LEU:HB3	6	0.91
(1,3665)	1:76:A:SER:H	1:77:A:LEU:HB3	6	0.91
(1,3662)	1:61:B:LEU:H	1:77:B:LEU:HB2	3	0.91
(1,3662)	1:61:B:LEU:H	1:77:B:LEU:HB2	6	0.91
(1,3662)	1:61:B:LEU:H	1:77:B:LEU:HB2	12	0.91
(1,3661)	1:61:A:LEU:H	1:77:A:LEU:HB2	3	0.91
(1,3661)	1:61:A:LEU:H	1:77:A:LEU:HB2	6	0.91
(1,3661)	1:61:A:LEU:H	1:77:A:LEU:HB2	12	0.91
(1,3292)	1:92:B:GLU:H	1:89:B:THR:H	12	0.91
(1,3291)	1:92:A:GLU:H	1:89:A:THR:H	12	0.91
(1,3116)	1:8:B:LEU:HG	1:6:B:GLU:HA	7	0.91
(1,3114)	1:8:B:LEU:HG	1:6:B:GLU:HA	7	0.91
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG13	5	0.91
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG13	5	0.91
(1,2966)	1:82:B:LEU:HG	1:83:B:LYS:HG2	7	0.91
(1,2965)	1:82:A:LEU:HG	1:83:A:LYS:HG2	7	0.91
(1,2964)	1:91:B:LYS:HD3	1:44:B:THR:HG23	7	0.91
(1,2963)	1:91:A:LYS:HD3	1:44:A:THR:HG23	7	0.91
(1,2958)	1:34:B:LYS:HB2	1:48:B:ILE:HG13	15	0.91
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD12	2	0.91
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD12	2	0.91
(1,2916)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	17	0.91
(1,2915)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	17	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2788)	1:72:B:GLN:HA	1:75:B:ILE:HG12	17	0.91
(1,2787)	1:72:A:GLN:HA	1:75:A:ILE:HG12	17	0.91
(1,2706)	1:45:B:ILE:HB	1:49:B:LYS:HD3	1	0.91
(1,2706)	1:46:B:LYS:HB2	1:45:B:ILE:HB	16	0.91
(1,2705)	1:45:A:ILE:HB	1:49:A:LYS:HD3	1	0.91
(1,2705)	1:46:A:LYS:HB2	1:45:A:ILE:HB	16	0.91
(1,2594)	1:81:B:ALA:HB1	1:80:B:ILE:HB	2	0.91
(1,2594)	1:81:B:ALA:HB2	1:80:B:ILE:HB	19	0.91
(1,2593)	1:81:A:ALA:HB1	1:80:A:ILE:HB	2	0.91
(1,2522)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	15	0.91
(1,2510)	1:83:B:LYS:HE3	1:72:A:GLN:HB3	19	0.91
(1,2509)	1:83:A:LYS:HE3	1:72:B:GLN:HB3	1	0.91
(1,2509)	1:83:A:LYS:HE3	1:72:B:GLN:HB3	19	0.91
(1,2362)	1:53:B:VAL:HB	1:46:B:LYS:HE2	19	0.91
(1,2342)	1:30:B:LYS:HB2	1:30:B:LYS:HE2	19	0.91
(1,2268)	1:75:B:ILE:HD12	1:83:A:LYS:HE2	6	0.91
(1,2267)	1:75:A:ILE:HD12	1:83:B:LYS:HE2	6	0.91
(1,2191)	1:46:A:LYS:HE2	1:90:A:HIS:HB2	9	0.91
(1,2060)	1:83:B:LYS:HD2	1:79:B:ALA:HA	13	0.91
(1,2059)	1:83:A:LYS:HD2	1:79:A:ALA:HA	13	0.91
(1,2051)	1:8:A:LEU:HA	1:81:B:ALA:HA	18	0.91
(1,2026)	1:82:B:LEU:HD11	1:82:B:LEU:HA	2	0.91
(1,2026)	1:82:B:LEU:HD11	1:82:B:LEU:HA	3	0.91
(1,2026)	1:82:B:LEU:HD13	1:82:B:LEU:HA	5	0.91
(1,2026)	1:82:B:LEU:HD12	1:82:B:LEU:HA	9	0.91
(1,2025)	1:82:A:LEU:HD11	1:82:A:LEU:HA	3	0.91
(1,2025)	1:82:A:LEU:HD13	1:82:A:LEU:HA	5	0.91
(1,2025)	1:82:A:LEU:HD12	1:82:A:LEU:HA	9	0.91
(1,1810)	1:35:B:GLN:H	1:37:B:LEU:HA	14	0.91
(1,1810)	1:35:B:GLN:H	1:37:B:LEU:HA	15	0.91
(1,1809)	1:35:A:GLN:H	1:37:A:LEU:HA	5	0.91
(1,1809)	1:35:A:GLN:H	1:37:A:LEU:HA	14	0.91
(1,1809)	1:35:A:GLN:H	1:37:A:LEU:HA	15	0.91
(1,1794)	1:49:B:LYS:HD2	1:50:B:ASP:H	19	0.91
(1,1794)	1:49:B:LYS:HD2	1:50:B:ASP:H	20	0.91
(1,1793)	1:49:A:LYS:HD2	1:50:A:ASP:H	20	0.91
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG12	7	0.91
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG12	7	0.91
(1,1576)	1:75:B:ILE:H	1:75:B:ILE:HG12	18	0.91
(1,1410)	1:49:B:LYS:H	1:50:B:ASP:HB3	15	0.91
(1,1409)	1:49:A:LYS:H	1:50:A:ASP:HB3	1	0.91
(1,1409)	1:49:A:LYS:H	1:50:A:ASP:HB3	4	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1409)	1:49:A:LYS:H	1:50:A:ASP:HB3	13	0.91
(1,854)	1:78:B:VAL:HG12	1:45:B:ILE:HD13	18	0.91
(1,853)	1:78:A:VAL:HG12	1:45:A:ILE:HD13	18	0.91
(1,810)	1:53:B:VAL:HG12	1:45:B:ILE:HD12	10	0.91
(1,809)	1:53:A:VAL:HG12	1:45:A:ILE:HD12	10	0.91
(1,666)	1:37:B:LEU:HD21	1:37:B:LEU:HB2	6	0.91
(1,666)	1:37:B:LEU:HD22	1:37:B:LEU:HB2	12	0.91
(1,666)	1:37:B:LEU:HD21	1:37:B:LEU:HB2	13	0.91
(1,666)	1:37:B:LEU:HD23	1:37:B:LEU:HB2	14	0.91
(1,666)	1:37:B:LEU:HD23	1:37:B:LEU:HB2	16	0.91
(1,666)	1:37:B:LEU:HD21	1:37:B:LEU:HB2	19	0.91
(1,665)	1:37:A:LEU:HD22	1:37:A:LEU:HB2	2	0.91
(1,665)	1:37:A:LEU:HD21	1:37:A:LEU:HB2	6	0.91
(1,665)	1:37:A:LEU:HD22	1:37:A:LEU:HB2	12	0.91
(1,665)	1:37:A:LEU:HD21	1:37:A:LEU:HB2	13	0.91
(1,665)	1:37:A:LEU:HD23	1:37:A:LEU:HB2	14	0.91
(1,665)	1:37:A:LEU:HD23	1:37:A:LEU:HB2	16	0.91
(1,665)	1:37:A:LEU:HD21	1:37:A:LEU:HB2	19	0.91
(1,120)	1:8:B:LEU:HD13	1:42:A:ALA:H	10	0.91
(1,3772)	1:54:B:ILE:H	1:48:B:ILE:HD11	10	0.9
(1,3771)	1:54:A:ILE:H	1:48:A:ILE:HD11	10	0.9
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG23	6	0.9
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG23	6	0.9
(1,3666)	1:76:B:SER:H	1:77:B:LEU:HB3	10	0.9
(1,3665)	1:76:A:SER:H	1:77:A:LEU:HB3	10	0.9
(1,3665)	1:76:A:SER:H	1:77:A:LEU:HB3	15	0.9
(1,3662)	1:61:B:LEU:H	1:63:B:ALA:HB1	19	0.9
(1,3661)	1:61:A:LEU:H	1:63:A:ALA:HB1	19	0.9
(1,3648)	1:8:B:LEU:H	1:85:A:ALA:HB1	14	0.9
(1,3648)	1:8:B:LEU:H	1:85:A:ALA:HB1	16	0.9
(1,3560)	1:77:B:LEU:H	1:75:B:ILE:HB	14	0.9
(1,3560)	1:77:B:LEU:H	1:61:B:LEU:HG	19	0.9
(1,3559)	1:77:A:LEU:H	1:75:A:ILE:HB	14	0.9
(1,3559)	1:77:A:LEU:H	1:61:A:LEU:HG	19	0.9
(1,3514)	1:87:B:TYR:H	1:71:A:PHE:HB2	14	0.9
(1,3430)	1:56:B:GLU:H	1:51:B:LYS:HE2	1	0.9
(1,3430)	1:56:B:GLU:H	1:51:B:LYS:HE2	5	0.9
(1,3429)	1:56:A:GLU:H	1:51:A:LYS:HE2	5	0.9
(1,3145)	1:88:A:HIS:HB3	1:12:B:VAL:HG23	20	0.9
(1,3120)	1:82:B:LEU:HA	1:12:A:VAL:HG21	17	0.9
(1,3119)	1:82:A:LEU:HA	1:12:B:VAL:HG21	17	0.9
(1,2988)	1:53:B:VAL:HG13	1:56:B:GLU:HG3	17	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2987)	1:56:A:GLU:HG3	1:57:A:ILE:HG13	1	0.9
(1,2987)	1:53:A:VAL:HG13	1:56:A:GLU:HG3	17	0.9
(1,2957)	1:34:A:LYS:HB2	1:48:A:ILE:HG13	15	0.9
(1,2950)	1:82:B:LEU:HG	1:80:B:ILE:HA	6	0.9
(1,2949)	1:82:A:LEU:HG	1:80:A:ILE:HA	6	0.9
(1,2938)	1:7:B:HIS:HB2	1:82:A:LEU:HG	5	0.9
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD11	19	0.9
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD11	19	0.9
(1,2822)	1:89:B:THR:HG21	1:46:B:LYS:HG2	13	0.9
(1,2821)	1:89:A:THR:HG21	1:46:A:LYS:HG2	13	0.9
(1,2804)	1:49:B:LYS:HG2	1:47:B:ASN:HB3	13	0.9
(1,2803)	1:49:A:LYS:HG2	1:47:A:ASN:HB3	13	0.9
(1,2788)	1:72:B:GLN:HA	1:75:B:ILE:HG12	7	0.9
(1,2787)	1:72:A:GLN:HA	1:75:A:ILE:HG12	7	0.9
(1,2706)	1:45:B:ILE:HB	1:49:B:LYS:HD2	6	0.9
(1,2696)	1:57:B:ILE:HA	1:91:B:LYS:HD3	3	0.9
(1,2695)	1:57:A:ILE:HA	1:91:A:LYS:HD3	3	0.9
(1,2694)	1:57:B:ILE:HA	1:91:B:LYS:HD3	3	0.9
(1,2693)	1:57:A:ILE:HA	1:91:A:LYS:HD3	3	0.9
(1,2650)	1:34:B:LYS:HB3	1:32:B:GLU:HB3	6	0.9
(1,2649)	1:34:A:LYS:HB3	1:32:A:GLU:HB3	6	0.9
(1,2593)	1:81:A:ALA:HB2	1:80:A:ILE:HB	19	0.9
(1,2592)	1:89:B:THR:HG21	1:83:B:LYS:HB3	15	0.9
(1,2591)	1:89:A:THR:HG21	1:83:A:LYS:HB3	15	0.9
(1,2402)	1:51:B:LYS:HD2	1:53:B:VAL:HB	12	0.9
(1,2402)	1:51:B:LYS:HD2	1:53:B:VAL:HB	13	0.9
(1,2402)	1:51:B:LYS:HD2	1:53:B:VAL:HB	17	0.9
(1,2401)	1:51:A:LYS:HD2	1:53:A:VAL:HB	2	0.9
(1,2401)	1:51:A:LYS:HD2	1:53:A:VAL:HB	13	0.9
(1,2401)	1:51:A:LYS:HD2	1:53:A:VAL:HB	17	0.9
(1,2341)	1:30:A:LYS:HB2	1:30:A:LYS:HE2	19	0.9
(1,2338)	1:58:B:PHE:HB2	1:30:B:LYS:HE2	1	0.9
(1,2337)	1:58:A:PHE:HB2	1:30:A:LYS:HE2	1	0.9
(1,2278)	1:42:B:ALA:HB2	1:43:B:ASN:HB3	10	0.9
(1,2277)	1:42:A:ALA:HB2	1:43:A:ASN:HB3	10	0.9
(1,2226)	1:82:B:LEU:HD13	1:78:A:VAL:HA	14	0.9
(1,2225)	1:82:A:LEU:HD13	1:78:B:VAL:HA	14	0.9
(1,2170)	1:86:B:HIS:HA	1:88:B:HIS:HB3	4	0.9
(1,2169)	1:86:A:HIS:HA	1:88:A:HIS:HB3	4	0.9
(1,2157)	1:82:A:LEU:HG	1:7:B:HIS:HB2	5	0.9
(1,2052)	1:8:B:LEU:HA	1:81:A:ALA:HA	18	0.9
(1,2051)	1:8:A:LEU:HA	1:81:B:ALA:HA	16	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2026)	1:82:B:LEU:HD13	1:82:B:LEU:HA	10	0.9
(1,2026)	1:82:B:LEU:HD11	1:82:B:LEU:HA	12	0.9
(1,2025)	1:82:A:LEU:HD11	1:82:A:LEU:HA	2	0.9
(1,2025)	1:82:A:LEU:HD13	1:82:A:LEU:HA	10	0.9
(1,2025)	1:82:A:LEU:HD11	1:82:A:LEU:HA	12	0.9
(1,1845)	1:54:A:ILE:H	1:48:A:ILE:HG12	10	0.9
(1,1810)	1:35:B:GLN:H	1:37:B:LEU:HA	5	0.9
(1,1794)	1:49:B:LYS:HD2	1:50:B:ASP:H	12	0.9
(1,1793)	1:49:A:LYS:HD2	1:50:A:ASP:H	12	0.9
(1,1748)	1:91:B:LYS:H	1:84:B:ALA:HB3	16	0.9
(1,1747)	1:91:A:LYS:H	1:84:A:ALA:HB3	16	0.9
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG11	1	0.9
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG11	1	0.9
(1,1410)	1:49:B:LYS:H	1:50:B:ASP:HB3	1	0.9
(1,1410)	1:49:B:LYS:H	1:50:B:ASP:HB3	13	0.9
(1,1409)	1:49:A:LYS:H	1:50:A:ASP:HB3	10	0.9
(1,854)	1:78:B:VAL:HG12	1:45:B:ILE:HD13	2	0.9
(1,854)	1:78:B:VAL:HG11	1:45:B:ILE:HD11	7	0.9
(1,853)	1:78:A:VAL:HG12	1:45:A:ILE:HD13	2	0.9
(1,853)	1:78:A:VAL:HG11	1:45:A:ILE:HD11	7	0.9
(1,666)	1:37:B:LEU:HD22	1:37:B:LEU:HB2	2	0.9
(1,666)	1:37:B:LEU:HD22	1:37:B:LEU:HB2	5	0.9
(1,666)	1:37:B:LEU:HD22	1:37:B:LEU:HB2	9	0.9
(1,665)	1:37:A:LEU:HD22	1:37:A:LEU:HB2	5	0.9
(1,665)	1:37:A:LEU:HD22	1:37:A:LEU:HB2	9	0.9
(1,477)	1:83:A:LYS:HE2	1:72:B:GLN:HB3	16	0.9
(1,3780)	1:38:B:THR:H	1:48:B:ILE:HG22	17	0.89
(1,3779)	1:38:A:THR:H	1:48:A:ILE:HG22	17	0.89
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG21	5	0.89
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG21	5	0.89
(1,3666)	1:76:B:SER:H	1:77:B:LEU:HB3	2	0.89
(1,3666)	1:76:B:SER:H	1:77:B:LEU:HB3	15	0.89
(1,3665)	1:76:A:SER:H	1:77:A:LEU:HB3	2	0.89
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB2	17	0.89
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB2	17	0.89
(1,3647)	1:8:A:LEU:H	1:85:B:ALA:HB1	14	0.89
(1,3514)	1:87:B:TYR:H	1:71:A:PHE:HB2	7	0.89
(1,3430)	1:56:B:GLU:H	1:51:B:LYS:HE2	12	0.89
(1,3429)	1:56:A:GLU:H	1:51:A:LYS:HE2	1	0.89
(1,3140)	1:12:B:VAL:HG22	1:9:B:GLU:HG3	7	0.89
(1,3088)	1:30:B:LYS:HD3	1:67:B:GLU:HG2	2	0.89
(1,3087)	1:30:A:LYS:HD3	1:67:A:GLU:HG2	2	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3040)	1:53:B:VAL:HG11	1:45:B:ILE:HG13	14	0.89
(1,3039)	1:53:A:VAL:HG11	1:45:A:ILE:HG13	14	0.89
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG12	16	0.89
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG12	1	0.89
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG12	16	0.89
(1,2965)	1:91:A:LYS:HG2	1:89:A:THR:HG23	14	0.89
(1,2964)	1:91:B:LYS:HD3	1:44:B:THR:HG22	6	0.89
(1,2937)	1:7:A:HIS:HB2	1:82:B:LEU:HG	5	0.89
(1,2788)	1:72:B:GLN:HA	1:75:B:ILE:HG12	8	0.89
(1,2788)	1:72:B:GLN:HA	1:75:B:ILE:HG12	12	0.89
(1,2788)	1:72:B:GLN:HA	1:75:B:ILE:HG12	14	0.89
(1,2787)	1:72:A:GLN:HA	1:75:A:ILE:HG12	3	0.89
(1,2787)	1:72:A:GLN:HA	1:75:A:ILE:HG12	8	0.89
(1,2787)	1:72:A:GLN:HA	1:75:A:ILE:HG12	12	0.89
(1,2787)	1:72:A:GLN:HA	1:75:A:ILE:HG12	14	0.89
(1,2705)	1:45:A:ILE:HB	1:49:A:LYS:HD2	6	0.89
(1,2696)	1:61:B:LEU:HB2	1:57:B:ILE:HA	6	0.89
(1,2695)	1:61:A:LEU:HB2	1:57:A:ILE:HA	6	0.89
(1,2694)	1:61:B:LEU:HB2	1:57:B:ILE:HA	6	0.89
(1,2693)	1:61:A:LEU:HB2	1:57:A:ILE:HA	6	0.89
(1,2650)	1:34:B:LYS:HB3	1:32:B:GLU:HB3	18	0.89
(1,2649)	1:34:A:LYS:HB3	1:32:A:GLU:HB3	18	0.89
(1,2565)	1:86:A:HIS:HB3	1:83:A:LYS:HB3	20	0.89
(1,2520)	1:8:B:LEU:HB2	1:7:B:HIS:HB2	13	0.89
(1,2519)	1:8:A:LEU:HB2	1:7:A:HIS:HB2	13	0.89
(1,2458)	1:37:B:LEU:HG	1:40:B:GLU:HG2	17	0.89
(1,2458)	1:37:B:LEU:HG	1:40:B:GLU:HG2	18	0.89
(1,2402)	1:51:B:LYS:HD2	1:53:B:VAL:HB	2	0.89
(1,2401)	1:51:A:LYS:HD2	1:53:A:VAL:HB	12	0.89
(1,2342)	1:30:B:LYS:HB2	1:30:B:LYS:HE2	16	0.89
(1,2341)	1:30:A:LYS:HB2	1:30:A:LYS:HE2	16	0.89
(1,2158)	1:82:B:LEU:HG	1:7:A:HIS:HB2	5	0.89
(1,2052)	1:8:B:LEU:HA	1:81:A:ALA:HA	9	0.89
(1,2052)	1:8:B:LEU:HA	1:81:A:ALA:HA	16	0.89
(1,2051)	1:8:A:LEU:HA	1:81:B:ALA:HA	9	0.89
(1,2026)	1:82:B:LEU:HD13	1:82:B:LEU:HA	7	0.89
(1,2026)	1:82:B:LEU:HD11	1:82:B:LEU:HA	16	0.89
(1,2025)	1:82:A:LEU:HD13	1:82:A:LEU:HA	7	0.89
(1,2025)	1:82:A:LEU:HD11	1:82:A:LEU:HA	16	0.89
(1,1846)	1:54:B:ILE:H	1:48:B:ILE:HG12	10	0.89
(1,1810)	1:35:B:GLN:H	1:37:B:LEU:HA	4	0.89
(1,1809)	1:35:A:GLN:H	1:37:A:LEU:HA	4	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1794)	1:49:B:LYS:HD2	1:50:B:ASP:H	3	0.89
(1,1793)	1:49:A:LYS:HD2	1:50:A:ASP:H	3	0.89
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG12	14	0.89
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG12	14	0.89
(1,1410)	1:49:B:LYS:H	1:50:B:ASP:HB3	4	0.89
(1,822)	1:79:B:ALA:HB2	1:75:A:ILE:HG13	15	0.89
(1,666)	1:37:B:LEU:HD22	1:37:B:LEU:HB2	7	0.89
(1,666)	1:37:B:LEU:HD21	1:37:B:LEU:HB2	17	0.89
(1,665)	1:37:A:LEU:HD22	1:37:A:LEU:HB2	7	0.89
(1,665)	1:37:A:LEU:HD21	1:37:A:LEU:HB2	8	0.89
(1,665)	1:37:A:LEU:HD21	1:37:A:LEU:HB2	17	0.89
(1,120)	1:8:B:LEU:HD11	1:42:A:ALA:H	15	0.89
(1,98)	1:75:B:ILE:HD11	1:80:A:ILE:H	9	0.89
(1,97)	1:75:A:ILE:HD11	1:80:B:ILE:H	9	0.89
(2,134)	1:32:B:GLU:H	1:35:B:GLN:HB3	17	0.88
(2,133)	1:32:A:GLU:H	1:35:A:GLN:HB3	17	0.88
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HG21	15	0.88
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HG21	15	0.88
(1,3808)	1:74:B:PHE:H	1:75:B:ILE:HD12	9	0.88
(1,3807)	1:74:A:PHE:H	1:75:A:ILE:HD12	9	0.88
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG22	11	0.88
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG22	11	0.88
(1,3647)	1:8:A:LEU:H	1:85:B:ALA:HB1	16	0.88
(1,3560)	1:77:B:LEU:H	1:75:B:ILE:HB	10	0.88
(1,3518)	1:10:B:GLY:H	1:11:B:ILE:HB	16	0.88
(1,3517)	1:10:A:GLY:H	1:11:A:ILE:HB	16	0.88
(1,3513)	1:87:A:TYR:H	1:71:B:PHE:HB2	14	0.88
(1,3444)	1:41:B:LEU:H	1:49:B:LYS:HE2	3	0.88
(1,3429)	1:56:A:GLU:H	1:51:A:LYS:HE2	2	0.88
(1,3429)	1:56:A:GLU:H	1:51:A:LYS:HE2	12	0.88
(1,3180)	1:30:B:LYS:HG2	1:55:B:ASP:HB2	18	0.88
(1,3179)	1:30:A:LYS:HG2	1:55:A:ASP:HB2	18	0.88
(1,3139)	1:12:A:VAL:HG22	1:9:A:GLU:HG3	7	0.88
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG12	1	0.88
(1,2966)	1:91:B:LYS:HG2	1:89:B:THR:HG23	14	0.88
(1,2963)	1:91:A:LYS:HD3	1:44:A:THR:HG22	6	0.88
(1,2788)	1:72:B:GLN:HA	1:75:B:ILE:HG12	3	0.88
(1,2788)	1:72:B:GLN:HA	1:75:B:ILE:HG12	11	0.88
(1,2787)	1:72:A:GLN:HA	1:75:A:ILE:HG12	11	0.88
(1,2721)	1:53:A:VAL:HG23	1:46:A:LYS:HB2	16	0.88
(1,2696)	1:61:B:LEU:HB2	1:57:B:ILE:HA	1	0.88
(1,2695)	1:61:A:LEU:HB2	1:57:A:ILE:HA	1	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2694)	1:61:B:LEU:HB2	1:57:B:ILE:HA	1	0.88
(1,2693)	1:61:A:LEU:HB2	1:57:A:ILE:HA	1	0.88
(1,2644)	1:50:B:ASP:HB3	1:51:B:LYS:HB2	10	0.88
(1,2643)	1:50:A:ASP:HB3	1:51:A:LYS:HB2	10	0.88
(1,2566)	1:86:B:HIS:HB3	1:83:B:LYS:HB3	20	0.88
(1,2522)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	17	0.88
(1,2521)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	17	0.88
(1,2460)	1:30:B:LYS:HD2	1:67:B:GLU:HG2	7	0.88
(1,2459)	1:30:A:LYS:HD2	1:67:A:GLU:HG2	7	0.88
(1,2457)	1:37:A:LEU:HG	1:40:A:GLU:HG2	17	0.88
(1,2457)	1:37:A:LEU:HG	1:40:A:GLU:HG2	18	0.88
(1,2402)	1:51:B:LYS:HD2	1:53:B:VAL:HB	5	0.88
(1,2401)	1:51:A:LYS:HD2	1:53:A:VAL:HB	5	0.88
(1,2342)	1:30:B:LYS:HB2	1:30:B:LYS:HE2	6	0.88
(1,2341)	1:30:A:LYS:HB2	1:30:A:LYS:HE2	6	0.88
(1,2052)	1:8:B:LEU:HA	1:81:A:ALA:HA	1	0.88
(1,2051)	1:8:A:LEU:HA	1:81:B:ALA:HA	1	0.88
(1,2026)	1:82:B:LEU:HD11	1:82:B:LEU:HA	14	0.88
(1,2026)	1:82:B:LEU:HD12	1:82:B:LEU:HA	19	0.88
(1,2026)	1:82:B:LEU:HD11	1:82:B:LEU:HA	20	0.88
(1,2025)	1:82:A:LEU:HD11	1:82:A:LEU:HA	14	0.88
(1,2025)	1:82:A:LEU:HD12	1:82:A:LEU:HA	19	0.88
(1,2025)	1:82:A:LEU:HD11	1:82:A:LEU:HA	20	0.88
(1,1854)	1:54:B:ILE:H	1:55:B:ASP:HB2	3	0.88
(1,1810)	1:35:B:GLN:H	1:37:B:LEU:HA	20	0.88
(1,1794)	1:49:B:LYS:HD2	1:38:B:THR:H	4	0.88
(1,1794)	1:49:B:LYS:HD2	1:50:B:ASP:H	10	0.88
(1,1793)	1:49:A:LYS:HD2	1:38:A:THR:H	4	0.88
(1,1793)	1:49:A:LYS:HD2	1:50:A:ASP:H	10	0.88
(1,1418)	1:37:B:LEU:H	1:40:B:GLU:HB2	7	0.88
(1,1417)	1:37:A:LEU:H	1:40:A:GLU:HB2	7	0.88
(1,1410)	1:49:B:LYS:H	1:50:B:ASP:HB3	20	0.88
(1,1409)	1:49:A:LYS:H	1:50:A:ASP:HB3	20	0.88
(1,822)	1:79:B:ALA:HB3	1:75:A:ILE:HG13	17	0.88
(1,821)	1:79:A:ALA:HB2	1:75:B:ILE:HG13	15	0.88
(1,821)	1:79:A:ALA:HB3	1:75:B:ILE:HG13	17	0.88
(1,810)	1:53:B:VAL:HG13	1:45:B:ILE:HD11	2	0.88
(1,809)	1:53:A:VAL:HG13	1:45:A:ILE:HD11	2	0.88
(1,666)	1:37:B:LEU:HD23	1:37:B:LEU:HB2	4	0.88
(1,666)	1:37:B:LEU:HD21	1:37:B:LEU:HB2	8	0.88
(1,666)	1:37:B:LEU:HD21	1:37:B:LEU:HB2	15	0.88
(1,665)	1:37:A:LEU:HD23	1:37:A:LEU:HB2	4	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,665)	1:37:A:LEU:HD21	1:37:A:LEU:HB2	15	0.88
(1,618)	1:42:B:ALA:HB3	1:43:B:ASN:HB3	6	0.88
(1,617)	1:42:A:ALA:HB3	1:43:A:ASN:HB3	6	0.88
(1,584)	1:8:B:LEU:HB2	1:82:A:LEU:HB3	3	0.88
(1,344)	1:83:B:LYS:HE3	1:87:B:TYR:HB2	1	0.88
(1,343)	1:83:A:LYS:HE3	1:87:A:TYR:HB2	1	0.88
(1,296)	1:83:B:LYS:HB3	1:80:B:ILE:HA	2	0.88
(1,295)	1:83:A:LYS:HB3	1:80:A:ILE:HA	2	0.88
(1,119)	1:8:A:LEU:HD13	1:42:B:ALA:H	10	0.88
(1,119)	1:8:A:LEU:HD11	1:42:B:ALA:H	15	0.88
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD23	17	0.87
(1,3780)	1:38:B:THR:H	1:48:B:ILE:HG22	6	0.87
(1,3779)	1:38:A:THR:H	1:48:A:ILE:HG22	6	0.87
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG23	6	0.87
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG21	18	0.87
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG23	6	0.87
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG21	18	0.87
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG21	11	0.87
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG21	16	0.87
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG21	11	0.87
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG21	16	0.87
(1,3737)	1:11:A:ILE:H	1:12:A:VAL:HG13	3	0.87
(1,3662)	1:61:B:LEU:H	1:77:B:LEU:HB2	11	0.87
(1,3661)	1:61:A:LEU:H	1:77:A:LEU:HB2	11	0.87
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB1	1	0.87
(1,3646)	1:55:B:ASP:H	1:52:B:ALA:HB1	9	0.87
(1,3645)	1:55:A:ASP:H	1:52:A:ALA:HB1	9	0.87
(1,3560)	1:77:B:LEU:H	1:61:B:LEU:HG	2	0.87
(1,3560)	1:77:B:LEU:H	1:80:B:ILE:HB	4	0.87
(1,3559)	1:77:A:LEU:H	1:61:A:LEU:HG	2	0.87
(1,3559)	1:77:A:LEU:H	1:80:A:ILE:HB	4	0.87
(1,3559)	1:77:A:LEU:H	1:75:A:ILE:HB	10	0.87
(1,3478)	1:70:B:ASP:H	1:71:B:PHE:HB2	5	0.87
(1,3478)	1:70:B:ASP:H	1:72:B:GLN:HG2	15	0.87
(1,3477)	1:70:A:ASP:H	1:71:A:PHE:HB2	5	0.87
(1,3477)	1:70:A:ASP:H	1:72:A:GLN:HG2	15	0.87
(1,3443)	1:41:A:LEU:H	1:49:A:LYS:HE2	3	0.87
(1,3430)	1:56:B:GLU:H	1:51:B:LYS:HE2	2	0.87
(1,3220)	1:30:B:LYS:HG3	1:62:B:ASP:HB2	13	0.87
(1,3219)	1:30:A:LYS:HG3	1:62:A:ASP:HB2	13	0.87
(1,3116)	1:8:B:LEU:HG	1:6:B:GLU:HA	3	0.87
(1,3114)	1:8:B:LEU:HG	1:6:B:GLU:HA	3	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3040)	1:53:B:VAL:HG11	1:45:B:ILE:HG13	2	0.87
(1,3039)	1:53:A:VAL:HG11	1:45:A:ILE:HG13	2	0.87
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG12	8	0.87
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG12	8	0.87
(1,2988)	1:53:B:VAL:HG12	1:56:B:GLU:HG3	6	0.87
(1,2987)	1:53:A:VAL:HG12	1:56:A:GLU:HG3	6	0.87
(1,2950)	1:82:B:LEU:HG	1:80:B:ILE:HA	16	0.87
(1,2949)	1:82:A:LEU:HG	1:80:A:ILE:HA	16	0.87
(1,2916)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	14	0.87
(1,2915)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	14	0.87
(1,2788)	1:72:B:GLN:HA	1:75:B:ILE:HG12	10	0.87
(1,2788)	1:72:B:GLN:HA	1:75:B:ILE:HG12	19	0.87
(1,2787)	1:72:A:GLN:HA	1:75:A:ILE:HG12	10	0.87
(1,2787)	1:72:A:GLN:HA	1:75:A:ILE:HG12	19	0.87
(1,2722)	1:53:B:VAL:HG23	1:46:B:LYS:HB2	16	0.87
(1,2565)	1:86:A:HIS:HB3	1:83:A:LYS:HB3	13	0.87
(1,2458)	1:37:B:LEU:HG	1:40:B:GLU:HG2	13	0.87
(1,2402)	1:51:B:LYS:HD2	1:53:B:VAL:HB	16	0.87
(1,2401)	1:51:A:LYS:HD2	1:53:A:VAL:HB	16	0.87
(1,2393)	1:56:A:GLU:HG2	1:59:A:GLN:HG3	18	0.87
(1,2332)	1:83:B:LYS:HE3	1:86:B:HIS:HB3	20	0.87
(1,2226)	1:82:B:LEU:HD12	1:78:B:VAL:HA	7	0.87
(1,2225)	1:82:A:LEU:HD12	1:78:A:VAL:HA	7	0.87
(1,2052)	1:8:B:LEU:HA	1:81:A:ALA:HA	14	0.87
(1,1988)	1:30:B:LYS:HD2	1:29:B:SER:HB3	19	0.87
(1,1987)	1:30:A:LYS:HD3	1:29:A:SER:HB3	14	0.87
(1,1987)	1:30:A:LYS:HD2	1:29:A:SER:HB3	19	0.87
(1,1854)	1:54:B:ILE:H	1:55:B:ASP:HB2	11	0.87
(1,1853)	1:54:A:ILE:H	1:55:A:ASP:HB2	3	0.87
(1,1809)	1:35:A:GLN:H	1:37:A:LEU:HA	20	0.87
(1,1794)	1:49:B:LYS:HD2	1:50:B:ASP:H	14	0.87
(1,1710)	1:80:B:ILE:HB	1:75:A:ILE:HD12	2	0.87
(1,1709)	1:80:A:ILE:HB	1:75:B:ILE:HD12	2	0.87
(1,1410)	1:49:B:LYS:H	1:50:B:ASP:HB3	6	0.87
(1,1409)	1:49:A:LYS:H	1:50:A:ASP:HB3	6	0.87
(1,1409)	1:49:A:LYS:H	1:50:A:ASP:HB3	14	0.87
(1,822)	1:79:B:ALA:HB3	1:75:A:ILE:HG13	20	0.87
(1,583)	1:8:A:LEU:HB2	1:82:B:LEU:HB3	3	0.87
(1,118)	1:37:B:LEU:HD21	1:42:B:ALA:H	10	0.87
(1,117)	1:37:A:LEU:HD21	1:42:A:ALA:H	10	0.87
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD23	17	0.86
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HD13	3	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HG21	16	0.86
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HG23	19	0.86
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HG21	16	0.86
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HG23	19	0.86
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG23	1	0.86
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG23	1	0.86
(1,3758)	1:57:B:ILE:H	1:57:B:ILE:HG22	4	0.86
(1,3757)	1:57:A:ILE:H	1:57:A:ILE:HG22	4	0.86
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG21	9	0.86
(1,3738)	1:11:B:ILE:H	1:12:B:VAL:HG13	3	0.86
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB1	1	0.86
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB1	15	0.86
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB1	15	0.86
(1,3514)	1:83:B:LYS:H	1:8:A:LEU:HB3	11	0.86
(1,3444)	1:41:B:LEU:H	1:49:B:LYS:HE2	1	0.86
(1,3444)	1:41:B:LEU:H	1:49:B:LYS:HE3	8	0.86
(1,3443)	1:41:A:LEU:H	1:49:A:LYS:HE2	1	0.86
(1,3443)	1:41:A:LEU:H	1:49:A:LYS:HE3	8	0.86
(1,3115)	1:8:A:LEU:HG	1:6:A:GLU:HA	3	0.86
(1,3113)	1:8:A:LEU:HG	1:6:A:GLU:HA	3	0.86
(1,3040)	1:53:B:VAL:HG12	1:45:B:ILE:HG13	15	0.86
(1,3039)	1:53:A:VAL:HG12	1:45:A:ILE:HG13	15	0.86
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG13	14	0.86
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG13	14	0.86
(1,2984)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	10	0.86
(1,2983)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	10	0.86
(1,2706)	1:45:B:ILE:HB	1:49:B:LYS:HD3	5	0.86
(1,2706)	1:46:B:LYS:HB2	1:45:B:ILE:HB	19	0.86
(1,2705)	1:45:A:ILE:HB	1:49:A:LYS:HD3	5	0.86
(1,2705)	1:46:A:LYS:HB2	1:45:A:ILE:HB	19	0.86
(1,2594)	1:81:B:ALA:HB1	1:80:B:ILE:HB	5	0.86
(1,2593)	1:81:A:ALA:HB1	1:80:A:ILE:HB	5	0.86
(1,2566)	1:86:B:HIS:HB3	1:83:B:LYS:HB3	13	0.86
(1,2520)	1:8:B:LEU:HB2	1:7:B:HIS:HB2	9	0.86
(1,2519)	1:8:A:LEU:HB2	1:7:A:HIS:HB2	9	0.86
(1,2458)	1:37:B:LEU:HG	1:40:B:GLU:HG2	20	0.86
(1,2457)	1:37:A:LEU:HG	1:40:A:GLU:HG2	13	0.86
(1,2457)	1:37:A:LEU:HG	1:40:A:GLU:HG2	20	0.86
(1,2394)	1:56:B:GLU:HG2	1:59:B:GLN:HG3	18	0.86
(1,2351)	1:36:A:LEU:HB2	1:40:A:GLU:HB2	7	0.86
(1,2331)	1:83:A:LYS:HE3	1:86:A:HIS:HB3	20	0.86
(1,2295)	1:59:A:GLN:HG2	1:55:A:ASP:HB3	20	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2232)	1:8:B:LEU:HD13	1:78:A:VAL:HA	1	0.86
(1,2231)	1:8:A:LEU:HD13	1:78:B:VAL:HA	1	0.86
(1,2226)	1:82:B:LEU:HD12	1:78:B:VAL:HA	1	0.86
(1,2225)	1:82:A:LEU:HD12	1:78:A:VAL:HA	1	0.86
(1,2068)	1:48:B:ILE:HA	1:51:B:LYS:HA	2	0.86
(1,2067)	1:48:A:ILE:HA	1:51:A:LYS:HA	2	0.86
(1,2051)	1:8:A:LEU:HA	1:81:B:ALA:HA	14	0.86
(1,2025)	1:82:A:LEU:HD13	1:82:A:LEU:HA	4	0.86
(1,1988)	1:30:B:LYS:HD3	1:29:B:SER:HB3	14	0.86
(1,1988)	1:30:B:LYS:HD2	1:29:B:SER:HB3	17	0.86
(1,1987)	1:30:A:LYS:HD2	1:29:A:SER:HB3	17	0.86
(1,1864)	1:18:B:TYR:H	1:36:B:LEU:HD23	18	0.86
(1,1853)	1:54:A:ILE:H	1:55:A:ASP:HB2	11	0.86
(1,1794)	1:49:B:LYS:HD2	1:50:B:ASP:H	16	0.86
(1,1794)	1:49:B:LYS:HD2	1:50:B:ASP:H	18	0.86
(1,1793)	1:49:A:LYS:HD2	1:50:A:ASP:H	14	0.86
(1,1793)	1:49:A:LYS:HD2	1:50:A:ASP:H	16	0.86
(1,1793)	1:49:A:LYS:HD2	1:50:A:ASP:H	18	0.86
(1,1694)	1:75:B:ILE:HD11	1:83:A:LYS:HE3	8	0.86
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG11	13	0.86
(1,1410)	1:49:B:LYS:H	1:50:B:ASP:HB3	2	0.86
(1,1410)	1:49:B:LYS:H	1:50:B:ASP:HB3	3	0.86
(1,1409)	1:49:A:LYS:H	1:50:A:ASP:HB3	2	0.86
(1,1409)	1:49:A:LYS:H	1:50:A:ASP:HB3	3	0.86
(1,821)	1:79:A:ALA:HB3	1:75:B:ILE:HG13	20	0.86
(1,810)	1:53:B:VAL:HG11	1:45:B:ILE:HD13	15	0.86
(1,809)	1:53:A:VAL:HG11	1:45:A:ILE:HD13	15	0.86
(1,654)	1:37:B:LEU:HB2	1:48:B:ILE:HG12	3	0.86
(1,653)	1:37:A:LEU:HB2	1:48:A:ILE:HG12	3	0.86
(1,584)	1:8:B:LEU:HB2	1:82:A:LEU:HB3	13	0.86
(1,584)	1:8:B:LEU:HB2	1:82:A:LEU:HB3	14	0.86
(1,120)	1:8:B:LEU:HD12	1:42:A:ALA:H	2	0.86
(1,118)	1:37:B:LEU:HD21	1:42:B:ALA:H	8	0.86
(1,117)	1:37:A:LEU:HD21	1:42:A:ALA:H	8	0.86
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HD11	13	0.85
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HD13	3	0.85
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HG22	13	0.85
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG21	7	0.85
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG21	7	0.85
(1,3666)	1:76:B:SER:H	1:77:B:LEU:HB3	12	0.85
(1,3666)	1:76:B:SER:H	1:77:B:LEU:HB3	14	0.85
(1,3665)	1:76:A:SER:H	1:77:A:LEU:HB3	12	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3665)	1:76:A:SER:H	1:77:A:LEU:HB3	14	0.85
(1,3662)	1:61:B:LEU:H	1:77:B:LEU:HB2	13	0.85
(1,3662)	1:61:B:LEU:H	1:77:B:LEU:HB2	17	0.85
(1,3661)	1:61:A:LEU:H	1:77:A:LEU:HB2	13	0.85
(1,3560)	1:77:B:LEU:H	1:78:B:VAL:HB	17	0.85
(1,3559)	1:77:A:LEU:H	1:78:A:VAL:HB	17	0.85
(1,3518)	1:10:B:GLY:H	1:11:B:ILE:HB	6	0.85
(1,3517)	1:10:A:GLY:H	1:11:A:ILE:HB	4	0.85
(1,3517)	1:10:A:GLY:H	1:11:A:ILE:HB	6	0.85
(1,3514)	1:83:B:LYS:H	1:8:A:LEU:HB3	17	0.85
(1,3513)	1:83:A:LYS:H	1:8:B:LEU:HB3	11	0.85
(1,3334)	1:69:B:VAL:H	1:29:B:SER:HB3	8	0.85
(1,3333)	1:69:A:VAL:H	1:29:A:SER:HB3	8	0.85
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG11	3	0.85
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG13	6	0.85
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG11	3	0.85
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG13	6	0.85
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD12	1	0.85
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD12	1	0.85
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD11	15	0.85
(1,2664)	1:8:B:LEU:HD12	1:41:A:LEU:HB3	18	0.85
(1,2663)	1:8:A:LEU:HD12	1:41:B:LEU:HB3	18	0.85
(1,2650)	1:34:B:LYS:HB3	1:32:B:GLU:HB3	10	0.85
(1,2647)	1:67:A:GLU:HG2	1:68:A:GLN:HB3	10	0.85
(1,2594)	1:81:B:ALA:HB1	1:80:B:ILE:HB	10	0.85
(1,2593)	1:81:A:ALA:HB1	1:80:A:ILE:HB	10	0.85
(1,2522)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	14	0.85
(1,2419)	1:65:A:GLN:HB3	1:59:A:GLN:HA	7	0.85
(1,2352)	1:36:B:LEU:HB2	1:40:B:GLU:HB2	7	0.85
(1,2296)	1:59:B:GLN:HG2	1:55:B:ASP:HB3	20	0.85
(1,2278)	1:42:B:ALA:HB1	1:43:B:ASN:HB3	1	0.85
(1,2277)	1:42:A:ALA:HB1	1:43:A:ASN:HB3	1	0.85
(1,2180)	1:13:B:ASN:HB2	1:16:B:HIS:HB2	19	0.85
(1,2179)	1:13:A:ASN:HB2	1:16:A:HIS:HB2	19	0.85
(1,2026)	1:82:B:LEU:HD13	1:82:B:LEU:HA	4	0.85
(1,1863)	1:18:A:TYR:H	1:36:A:LEU:HD23	18	0.85
(1,1854)	1:54:B:ILE:H	1:55:B:ASP:HB2	16	0.85
(1,1810)	1:35:B:GLN:H	1:37:B:LEU:HA	1	0.85
(1,1809)	1:35:A:GLN:H	1:37:A:LEU:HA	1	0.85
(1,1809)	1:35:A:GLN:H	1:37:A:LEU:HA	19	0.85
(1,1794)	1:49:B:LYS:HD2	1:50:B:ASP:H	7	0.85
(1,1794)	1:49:B:LYS:HD2	1:50:B:ASP:H	13	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1793)	1:49:A:LYS:HD2	1:50:A:ASP:H	7	0.85
(1,1793)	1:49:A:LYS:HD2	1:50:A:ASP:H	13	0.85
(1,1693)	1:75:A:ILE:HD11	1:83:B:LYS:HE3	8	0.85
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG11	13	0.85
(1,1410)	1:49:B:LYS:H	1:50:B:ASP:HB3	14	0.85
(1,1333)	1:50:A:ASP:H	1:47:A:ASN:HB2	8	0.85
(1,809)	1:53:A:VAL:HG12	1:45:A:ILE:HD12	3	0.85
(1,584)	1:8:B:LEU:HB2	1:82:A:LEU:HB3	4	0.85
(1,583)	1:8:A:LEU:HB2	1:82:B:LEU:HB3	4	0.85
(1,583)	1:8:A:LEU:HB2	1:82:B:LEU:HB3	14	0.85
(1,512)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	17	0.85
(1,511)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	17	0.85
(1,119)	1:8:A:LEU:HD12	1:42:B:ALA:H	2	0.85
(2,134)	1:32:B:GLU:H	1:35:B:GLN:HB3	14	0.84
(2,133)	1:32:A:GLU:H	1:35:A:GLN:HB3	14	0.84
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HD11	12	0.84
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HD11	12	0.84
(1,3780)	1:38:B:THR:H	1:48:B:ILE:HG21	3	0.84
(1,3779)	1:38:A:THR:H	1:48:A:ILE:HG21	3	0.84
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG22	14	0.84
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG22	14	0.84
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG22	8	0.84
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG21	9	0.84
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG22	8	0.84
(1,3666)	1:76:B:SER:H	1:77:B:LEU:HB3	3	0.84
(1,3666)	1:76:B:SER:H	1:77:B:LEU:HB3	13	0.84
(1,3665)	1:76:A:SER:H	1:77:A:LEU:HB3	3	0.84
(1,3665)	1:76:A:SER:H	1:77:A:LEU:HB3	13	0.84
(1,3661)	1:61:A:LEU:H	1:77:A:LEU:HB2	17	0.84
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB3	2	0.84
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB3	2	0.84
(1,3560)	1:77:B:LEU:H	1:75:B:ILE:HB	1	0.84
(1,3560)	1:77:B:LEU:H	1:75:B:ILE:HB	12	0.84
(1,3559)	1:77:A:LEU:H	1:75:A:ILE:HB	1	0.84
(1,3559)	1:77:A:LEU:H	1:75:A:ILE:HB	12	0.84
(1,3518)	1:10:B:GLY:H	1:11:B:ILE:HB	4	0.84
(1,3513)	1:83:A:LYS:H	1:8:B:LEU:HB3	17	0.84
(1,3292)	1:92:B:GLU:H	1:89:B:THR:H	13	0.84
(1,3040)	1:53:B:VAL:HG11	1:45:B:ILE:HG13	1	0.84
(1,3039)	1:53:A:VAL:HG11	1:45:A:ILE:HG13	1	0.84
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG12	2	0.84
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG13	7	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG13	7	0.84
(1,2964)	1:91:B:LYS:HD3	1:44:B:THR:HG21	14	0.84
(1,2963)	1:91:A:LYS:HD3	1:44:A:THR:HG21	14	0.84
(1,2950)	1:82:B:LEU:HG	1:80:B:ILE:HA	14	0.84
(1,2949)	1:82:A:LEU:HG	1:80:A:ILE:HA	14	0.84
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD12	6	0.84
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD11	15	0.84
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD12	6	0.84
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD11	15	0.84
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD12	7	0.84
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD11	17	0.84
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD12	7	0.84
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD11	15	0.84
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD11	17	0.84
(1,2788)	1:72:B:GLN:HA	1:75:B:ILE:HG12	13	0.84
(1,2787)	1:72:A:GLN:HA	1:75:A:ILE:HG12	13	0.84
(1,2722)	1:53:B:VAL:HG23	1:46:B:LYS:HB2	20	0.84
(1,2721)	1:53:A:VAL:HG23	1:46:A:LYS:HB2	20	0.84
(1,2649)	1:34:A:LYS:HB3	1:32:A:GLU:HB3	10	0.84
(1,2648)	1:67:B:GLU:HG3	1:68:B:GLN:HB3	2	0.84
(1,2648)	1:67:B:GLU:HG2	1:68:B:GLN:HB3	10	0.84
(1,2644)	1:50:B:ASP:HB3	1:51:B:LYS:HB2	15	0.84
(1,2643)	1:50:A:ASP:HB3	1:51:A:LYS:HB2	3	0.84
(1,2643)	1:50:A:ASP:HB3	1:51:A:LYS:HB2	15	0.84
(1,2521)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	14	0.84
(1,2420)	1:65:B:GLN:HB3	1:59:B:GLN:HA	7	0.84
(1,2402)	1:51:B:LYS:HD2	1:53:B:VAL:HB	18	0.84
(1,2374)	1:71:B:PHE:HB3	1:74:B:PHE:HA	16	0.84
(1,2373)	1:71:A:PHE:HB3	1:74:A:PHE:HA	16	0.84
(1,1854)	1:54:B:ILE:H	1:55:B:ASP:HB2	8	0.84
(1,1853)	1:54:A:ILE:H	1:55:A:ASP:HB2	8	0.84
(1,1853)	1:54:A:ILE:H	1:55:A:ASP:HB2	16	0.84
(1,1810)	1:35:B:GLN:H	1:37:B:LEU:HA	19	0.84
(1,1793)	1:49:A:LYS:HD2	1:50:A:ASP:H	8	0.84
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG12	20	0.84
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG12	20	0.84
(1,1410)	1:49:B:LYS:H	1:50:B:ASP:HB3	5	0.84
(1,1334)	1:50:B:ASP:H	1:47:B:ASN:HB2	8	0.84
(1,854)	1:78:B:VAL:HG12	1:45:B:ILE:HD11	3	0.84
(1,853)	1:78:A:VAL:HG12	1:45:A:ILE:HD11	3	0.84
(1,810)	1:53:B:VAL:HG12	1:45:B:ILE:HD12	3	0.84
(1,654)	1:37:B:LEU:HB2	1:48:B:ILE:HG12	17	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,653)	1:37:A:LEU:HB2	1:48:A:ILE:HG12	17	0.84
(1,470)	1:36:B:LEU:HD12	1:40:B:GLU:HG3	11	0.84
(1,120)	1:8:B:LEU:HD13	1:42:A:ALA:H	8	0.84
(1,119)	1:8:A:LEU:HD13	1:42:B:ALA:H	8	0.84
(1,118)	1:37:B:LEU:HD21	1:42:B:ALA:H	11	0.84
(1,117)	1:37:A:LEU:HD21	1:42:A:ALA:H	11	0.84
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HD13	4	0.83
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HD13	4	0.83
(1,3602)	1:57:B:ILE:H	1:54:B:ILE:HG13	3	0.83
(1,3601)	1:57:A:ILE:H	1:54:A:ILE:HG13	3	0.83
(1,3560)	1:77:B:LEU:H	1:75:B:ILE:HB	6	0.83
(1,3559)	1:77:A:LEU:H	1:75:A:ILE:HB	6	0.83
(1,3443)	1:41:A:LEU:H	1:49:A:LYS:HE3	18	0.83
(1,3291)	1:92:A:GLU:H	1:89:A:THR:H	13	0.83
(1,3230)	1:75:B:ILE:HD12	1:78:A:VAL:HG13	18	0.83
(1,3220)	1:30:B:LYS:HG3	1:62:B:ASP:HB2	11	0.83
(1,3219)	1:30:A:LYS:HG3	1:62:A:ASP:HB2	10	0.83
(1,3219)	1:30:A:LYS:HG3	1:62:A:ASP:HB2	11	0.83
(1,3145)	1:88:A:HIS:HB3	1:12:B:VAL:HG22	7	0.83
(1,3088)	1:30:B:LYS:HD3	1:67:B:GLU:HG3	13	0.83
(1,3039)	1:53:A:VAL:HG13	1:45:A:ILE:HG13	3	0.83
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG12	15	0.83
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG12	20	0.83
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG12	2	0.83
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG12	15	0.83
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG12	20	0.83
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD11	17	0.83
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD12	20	0.83
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD11	17	0.83
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD12	20	0.83
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD12	9	0.83
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD12	9	0.83
(1,2696)	1:61:B:LEU:HB2	1:57:B:ILE:HA	10	0.83
(1,2695)	1:61:A:LEU:HB2	1:57:A:ILE:HA	10	0.83
(1,2694)	1:61:B:LEU:HB2	1:57:B:ILE:HA	10	0.83
(1,2693)	1:61:A:LEU:HB2	1:57:A:ILE:HA	10	0.83
(1,2682)	1:83:B:LYS:HB2	1:91:B:LYS:HD3	6	0.83
(1,2682)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	12	0.83
(1,2681)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	12	0.83
(1,2647)	1:67:A:GLU:HG3	1:68:A:GLN:HB3	2	0.83
(1,2644)	1:50:B:ASP:HB3	1:51:B:LYS:HB2	3	0.83
(1,2643)	1:50:A:ASP:HB3	1:51:A:LYS:HB2	6	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2419)	1:67:A:GLU:HG3	1:59:A:GLN:HA	13	0.83
(1,2402)	1:51:B:LYS:HD3	1:53:B:VAL:HB	7	0.83
(1,2401)	1:51:A:LYS:HD3	1:53:A:VAL:HB	7	0.83
(1,2401)	1:51:A:LYS:HD2	1:53:A:VAL:HB	18	0.83
(1,2374)	1:71:B:PHE:HB3	1:74:B:PHE:HA	7	0.83
(1,2373)	1:71:A:PHE:HB3	1:74:A:PHE:HA	7	0.83
(1,2344)	1:54:B:ILE:HG23	1:30:B:LYS:HE2	15	0.83
(1,2343)	1:54:A:ILE:HG23	1:30:A:LYS:HE2	15	0.83
(1,2277)	1:42:A:ALA:HB1	1:43:A:ASN:HB3	8	0.83
(1,2232)	1:8:B:LEU:HD11	1:78:A:VAL:HA	5	0.83
(1,2232)	1:8:B:LEU:HD11	1:78:A:VAL:HA	14	0.83
(1,2231)	1:8:A:LEU:HD11	1:78:B:VAL:HA	5	0.83
(1,2081)	1:78:A:VAL:HG22	1:74:A:PHE:HA	8	0.83
(1,2076)	1:79:B:ALA:HA	1:76:B:SER:HB3	19	0.83
(1,2075)	1:79:A:ALA:HA	1:76:A:SER:HB3	19	0.83
(1,1988)	1:30:B:LYS:HD3	1:56:B:GLU:HA	7	0.83
(1,1987)	1:30:A:LYS:HD3	1:56:A:GLU:HA	7	0.83
(1,1794)	1:49:B:LYS:HD2	1:50:B:ASP:H	8	0.83
(1,1794)	1:49:B:LYS:HD2	1:50:B:ASP:H	11	0.83
(1,1793)	1:49:A:LYS:HD2	1:50:A:ASP:H	11	0.83
(1,1698)	1:8:B:LEU:HG	1:11:A:ILE:HB	17	0.83
(1,1416)	1:41:B:LEU:H	1:40:B:GLU:HB2	7	0.83
(1,1410)	1:49:B:LYS:H	1:50:B:ASP:HB3	19	0.83
(1,1409)	1:49:A:LYS:H	1:50:A:ASP:HB3	5	0.83
(1,1409)	1:49:A:LYS:H	1:50:A:ASP:HB3	19	0.83
(1,583)	1:8:A:LEU:HB2	1:82:B:LEU:HB3	13	0.83
(1,562)	1:39:B:LYS:HD2	1:35:B:GLN:HG2	17	0.83
(1,561)	1:39:A:LYS:HD2	1:35:A:GLN:HG2	17	0.83
(1,554)	1:75:B:ILE:HD11	1:91:A:LYS:HD3	10	0.83
(1,469)	1:36:A:LEU:HD12	1:40:A:GLU:HG3	11	0.83
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD21	16	0.82
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD21	16	0.82
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HG23	2	0.82
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HG23	2	0.82
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG23	13	0.82
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG23	13	0.82
(1,3666)	1:76:B:SER:H	1:77:B:LEU:HB3	11	0.82
(1,3666)	1:76:B:SER:H	1:77:B:LEU:HB3	18	0.82
(1,3665)	1:76:A:SER:H	1:77:A:LEU:HB3	18	0.82
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB2	16	0.82
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB2	16	0.82
(1,3518)	1:10:B:GLY:H	1:11:B:ILE:HB	15	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3517)	1:10:A:GLY:H	1:11:A:ILE:HB	15	0.82
(1,3506)	1:18:B:TYR:H	1:35:B:GLN:HB3	7	0.82
(1,3444)	1:41:B:LEU:H	1:49:B:LYS:HE3	9	0.82
(1,3444)	1:41:B:LEU:H	1:49:B:LYS:HE3	18	0.82
(1,3443)	1:41:A:LEU:H	1:49:A:LYS:HE3	9	0.82
(1,3291)	1:92:A:GLU:H	1:89:A:THR:H	14	0.82
(1,3229)	1:75:A:ILE:HD12	1:78:B:VAL:HG13	18	0.82
(1,3220)	1:30:B:LYS:HG3	1:62:B:ASP:HB2	10	0.82
(1,3146)	1:88:B:HIS:HB3	1:12:A:VAL:HG21	6	0.82
(1,3145)	1:88:A:HIS:HB3	1:12:B:VAL:HG21	6	0.82
(1,3139)	1:53:A:VAL:HG22	1:56:A:GLU:HG3	20	0.82
(1,3116)	1:8:B:LEU:HG	1:6:B:GLU:HA	15	0.82
(1,3115)	1:8:A:LEU:HG	1:6:A:GLU:HA	15	0.82
(1,3114)	1:8:B:LEU:HG	1:6:B:GLU:HA	15	0.82
(1,3113)	1:8:A:LEU:HG	1:6:A:GLU:HA	15	0.82
(1,3087)	1:30:A:LYS:HD3	1:67:A:GLU:HG3	13	0.82
(1,3040)	1:53:B:VAL:HG13	1:45:B:ILE:HG13	3	0.82
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD12	18	0.82
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD12	18	0.82
(1,2884)	1:81:B:ALA:HB1	1:82:B:LEU:HB2	9	0.82
(1,2750)	1:32:B:GLU:HG2	1:33:B:LEU:HB3	1	0.82
(1,2749)	1:32:A:GLU:HG2	1:33:A:LEU:HB3	1	0.82
(1,2730)	1:75:B:ILE:HD13	1:91:A:LYS:HD3	14	0.82
(1,2696)	1:61:B:LEU:HB2	1:57:B:ILE:HA	16	0.82
(1,2695)	1:61:A:LEU:HB2	1:57:A:ILE:HA	16	0.82
(1,2694)	1:61:B:LEU:HB2	1:57:B:ILE:HA	16	0.82
(1,2693)	1:61:A:LEU:HB2	1:57:A:ILE:HA	16	0.82
(1,2681)	1:83:A:LYS:HB2	1:91:A:LYS:HD3	6	0.82
(1,2664)	1:61:B:LEU:HD22	1:80:B:ILE:HB	1	0.82
(1,2663)	1:61:A:LEU:HD22	1:80:A:ILE:HB	1	0.82
(1,2644)	1:50:B:ASP:HB3	1:51:B:LYS:HB2	6	0.82
(1,2592)	1:89:B:THR:HG21	1:83:B:LYS:HB3	18	0.82
(1,2591)	1:89:A:THR:HG21	1:83:A:LYS:HB3	18	0.82
(1,2520)	1:8:B:LEU:HB2	1:7:B:HIS:HB2	4	0.82
(1,2519)	1:8:A:LEU:HB2	1:7:A:HIS:HB2	4	0.82
(1,2472)	1:85:B:ALA:HA	1:8:A:LEU:HB3	7	0.82
(1,2458)	1:37:B:LEU:HG	1:40:B:GLU:HG2	9	0.82
(1,2457)	1:37:A:LEU:HG	1:40:A:GLU:HG2	9	0.82
(1,2420)	1:67:B:GLU:HG3	1:59:B:GLN:HA	13	0.82
(1,2408)	1:52:B:ALA:HB3	1:56:B:GLU:HG2	20	0.82
(1,2368)	1:62:B:ASP:HB2	1:67:B:GLU:HB2	17	0.82
(1,2367)	1:62:A:ASP:HB2	1:67:A:GLU:HB2	17	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2232)	1:8:B:LEU:HD12	1:78:A:VAL:HA	7	0.82
(1,2231)	1:8:A:LEU:HD12	1:78:B:VAL:HA	7	0.82
(1,2231)	1:8:A:LEU:HD11	1:78:B:VAL:HA	14	0.82
(1,2226)	1:82:B:LEU:HD11	1:78:A:VAL:HA	13	0.82
(1,2108)	1:61:B:LEU:HD21	1:60:B:GLY:HA3	14	0.82
(1,2082)	1:78:B:VAL:HG22	1:74:B:PHE:HA	8	0.82
(1,2068)	1:48:B:ILE:HA	1:51:B:LYS:HA	16	0.82
(1,2067)	1:48:A:ILE:HA	1:51:A:LYS:HA	16	0.82
(1,2026)	1:82:B:LEU:HD12	1:82:B:LEU:HA	13	0.82
(1,2025)	1:82:A:LEU:HD12	1:82:A:LEU:HA	13	0.82
(1,1810)	1:35:B:GLN:H	1:37:B:LEU:HA	13	0.82
(1,1809)	1:35:A:GLN:H	1:37:A:LEU:HA	13	0.82
(1,1697)	1:8:A:LEU:HG	1:11:B:ILE:HB	17	0.82
(1,1694)	1:75:B:ILE:HD13	1:83:A:LYS:HE3	3	0.82
(1,1415)	1:41:A:LEU:H	1:40:A:GLU:HB2	7	0.82
(1,554)	1:75:B:ILE:HD13	1:91:A:LYS:HD3	14	0.82
(1,118)	1:37:B:LEU:HD23	1:42:B:ALA:H	14	0.82
(1,117)	1:37:A:LEU:HD23	1:42:A:ALA:H	14	0.82
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HG23	6	0.81
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HD11	11	0.81
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HG23	6	0.81
(1,3738)	1:11:B:ILE:H	1:12:B:VAL:HG11	1	0.81
(1,3737)	1:11:A:ILE:H	1:12:A:VAL:HG11	1	0.81
(1,3665)	1:76:A:SER:H	1:77:A:LEU:HB3	11	0.81
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB2	10	0.81
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB2	10	0.81
(1,3560)	1:77:B:LEU:H	1:75:B:ILE:HB	15	0.81
(1,3559)	1:77:A:LEU:H	1:75:A:ILE:HB	15	0.81
(1,3505)	1:18:A:TYR:H	1:35:A:GLN:HB3	7	0.81
(1,3443)	1:41:A:LEU:H	1:49:A:LYS:HE2	12	0.81
(1,3292)	1:92:B:GLU:H	1:89:B:THR:H	14	0.81
(1,3220)	1:30:B:LYS:HG3	1:62:B:ASP:HB2	6	0.81
(1,3140)	1:53:B:VAL:HG22	1:56:B:GLU:HG3	20	0.81
(1,3040)	1:53:B:VAL:HG12	1:45:B:ILE:HG13	12	0.81
(1,3039)	1:53:A:VAL:HG12	1:45:A:ILE:HG13	12	0.81
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG13	10	0.81
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG13	10	0.81
(1,2988)	1:53:B:VAL:HG12	1:56:B:GLU:HG3	13	0.81
(1,2950)	1:82:B:LEU:HG	1:80:B:ILE:HA	2	0.81
(1,2949)	1:82:A:LEU:HG	1:80:A:ILE:HA	2	0.81
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD11	13	0.81
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD11	13	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2883)	1:81:A:ALA:HB1	1:82:A:LEU:HB2	9	0.81
(1,2729)	1:75:A:ILE:HD13	1:91:B:LYS:HD3	14	0.81
(1,2696)	1:61:B:LEU:HB2	1:57:B:ILE:HA	4	0.81
(1,2696)	1:61:B:LEU:HB2	1:57:B:ILE:HA	19	0.81
(1,2695)	1:61:A:LEU:HB2	1:57:A:ILE:HA	4	0.81
(1,2695)	1:61:A:LEU:HB2	1:57:A:ILE:HA	19	0.81
(1,2694)	1:61:B:LEU:HB2	1:57:B:ILE:HA	4	0.81
(1,2694)	1:61:B:LEU:HB2	1:57:B:ILE:HA	19	0.81
(1,2693)	1:61:A:LEU:HB2	1:57:A:ILE:HA	4	0.81
(1,2693)	1:61:A:LEU:HB2	1:57:A:ILE:HA	19	0.81
(1,2471)	1:85:A:ALA:HA	1:8:B:LEU:HB3	7	0.81
(1,2407)	1:52:A:ALA:HB3	1:56:A:GLU:HG2	20	0.81
(1,2402)	1:51:B:LYS:HD2	1:53:B:VAL:HB	1	0.81
(1,2401)	1:51:A:LYS:HD2	1:53:A:VAL:HB	1	0.81
(1,2332)	1:83:B:LYS:HE3	1:86:B:HIS:HB3	7	0.81
(1,2331)	1:83:A:LYS:HE3	1:86:A:HIS:HB3	7	0.81
(1,2278)	1:42:B:ALA:HB1	1:43:B:ASN:HB3	8	0.81
(1,2192)	1:90:B:HIS:HB2	1:87:B:TYR:HB3	12	0.81
(1,2191)	1:90:A:HIS:HB2	1:87:A:TYR:HB3	12	0.81
(1,2180)	1:13:B:ASN:HB2	1:16:B:HIS:HB3	10	0.81
(1,2179)	1:13:A:ASN:HB2	1:16:A:HIS:HB3	10	0.81
(1,2107)	1:61:A:LEU:HD21	1:60:A:GLY:HA3	14	0.81
(1,2068)	1:48:B:ILE:HA	1:51:B:LYS:HA	14	0.81
(1,2067)	1:48:A:ILE:HA	1:51:A:LYS:HA	14	0.81
(1,2026)	1:82:B:LEU:HD13	1:82:B:LEU:HA	11	0.81
(1,2025)	1:82:A:LEU:HD13	1:82:A:LEU:HA	11	0.81
(1,2020)	1:91:B:LYS:HD3	1:83:B:LYS:HA	2	0.81
(1,2019)	1:91:A:LYS:HD3	1:83:A:LYS:HA	2	0.81
(1,1988)	1:30:B:LYS:HD2	1:29:B:SER:HB3	16	0.81
(1,1942)	1:30:B:LYS:HD2	1:52:B:ALA:HA	14	0.81
(1,1941)	1:30:A:LYS:HD2	1:52:A:ALA:HA	14	0.81
(1,1748)	1:91:B:LYS:H	1:84:B:ALA:HB2	12	0.81
(1,1747)	1:91:A:LYS:H	1:84:A:ALA:HB2	12	0.81
(1,1695)	1:83:A:LYS:HE3	1:71:B:PHE:HB2	17	0.81
(1,1693)	1:75:A:ILE:HD13	1:83:B:LYS:HE3	3	0.81
(1,810)	1:53:B:VAL:HG13	1:45:B:ILE:HD13	11	0.81
(1,810)	1:53:B:VAL:HG11	1:45:B:ILE:HD13	20	0.81
(1,809)	1:53:A:VAL:HG13	1:45:A:ILE:HD13	11	0.81
(1,809)	1:53:A:VAL:HG11	1:45:A:ILE:HD13	20	0.81
(1,778)	1:61:B:LEU:HD21	1:76:B:SER:HB3	10	0.81
(1,777)	1:61:A:LEU:HD21	1:76:A:SER:HB3	10	0.81
(1,553)	1:75:A:ILE:HD13	1:91:B:LYS:HD3	14	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,470)	1:36:B:LEU:HD11	1:40:B:GLU:HG3	18	0.81
(1,469)	1:36:A:LEU:HD11	1:40:A:GLU:HG3	18	0.81
(1,118)	1:37:B:LEU:HD22	1:42:B:ALA:H	12	0.81
(1,117)	1:37:A:LEU:HD22	1:42:A:ALA:H	12	0.81
(1,98)	1:75:B:ILE:HD11	1:80:A:ILE:H	5	0.81
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HG22	10	0.8
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HG22	10	0.8
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HD11	11	0.8
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG23	16	0.8
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG23	16	0.8
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG23	1	0.8
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG23	1	0.8
(1,3666)	1:76:B:SER:H	1:77:B:LEU:HB3	4	0.8
(1,3665)	1:76:A:SER:H	1:77:A:LEU:HB3	4	0.8
(1,3662)	1:61:B:LEU:H	1:77:B:LEU:HB2	4	0.8
(1,3661)	1:61:A:LEU:H	1:77:A:LEU:HB2	4	0.8
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB2	19	0.8
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB2	19	0.8
(1,3514)	1:83:B:LYS:H	1:8:A:LEU:HB3	5	0.8
(1,3513)	1:83:A:LYS:H	1:8:B:LEU:HB3	5	0.8
(1,3444)	1:41:B:LEU:H	1:49:B:LYS:HE2	12	0.8
(1,3429)	1:56:A:GLU:H	1:51:A:LYS:HE2	4	0.8
(1,3219)	1:30:A:LYS:HG3	1:62:A:ASP:HB2	6	0.8
(1,3146)	1:88:B:HIS:HB3	1:12:A:VAL:HG22	7	0.8
(1,3074)	1:59:B:GLN:HA	1:61:B:LEU:HD11	16	0.8
(1,3073)	1:59:A:GLN:HA	1:61:A:LEU:HD11	16	0.8
(1,2987)	1:53:A:VAL:HG11	1:56:A:GLU:HG3	10	0.8
(1,2987)	1:53:A:VAL:HG12	1:56:A:GLU:HG3	13	0.8
(1,2950)	1:82:B:LEU:HG	1:80:B:ILE:HA	13	0.8
(1,2949)	1:82:A:LEU:HG	1:80:A:ILE:HA	13	0.8
(1,2812)	1:37:B:LEU:HD23	1:33:B:LEU:HG	8	0.8
(1,2811)	1:37:A:LEU:HD23	1:33:A:LEU:HG	8	0.8
(1,2730)	1:75:B:ILE:HD13	1:91:A:LYS:HB2	10	0.8
(1,2729)	1:75:A:ILE:HD11	1:91:B:LYS:HD3	16	0.8
(1,2728)	1:75:B:ILE:HG22	1:91:A:LYS:HD3	3	0.8
(1,2727)	1:75:A:ILE:HG22	1:91:B:LYS:HD3	3	0.8
(1,2682)	1:83:B:LYS:HB2	1:91:B:LYS:HD3	16	0.8
(1,2681)	1:83:A:LYS:HB2	1:91:A:LYS:HD3	16	0.8
(1,2278)	1:42:B:ALA:HB2	1:43:B:ASN:HB3	11	0.8
(1,2277)	1:42:A:ALA:HB2	1:43:A:ASN:HB3	11	0.8
(1,2225)	1:82:A:LEU:HD11	1:78:B:VAL:HA	13	0.8
(1,2166)	1:12:B:VAL:HG22	1:16:B:HIS:HB2	20	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2165)	1:12:A:VAL:HG22	1:16:A:HIS:HB2	20	0.8
(1,2082)	1:78:B:VAL:HG21	1:74:B:PHE:HA	7	0.8
(1,2081)	1:78:A:VAL:HG21	1:74:A:PHE:HA	7	0.8
(1,2068)	1:48:B:ILE:HA	1:51:B:LYS:HA	13	0.8
(1,2067)	1:48:A:ILE:HA	1:51:A:LYS:HA	13	0.8
(1,2026)	1:82:B:LEU:HD13	1:82:B:LEU:HA	18	0.8
(1,2025)	1:82:A:LEU:HD13	1:82:A:LEU:HA	18	0.8
(1,1987)	1:30:A:LYS:HD3	1:56:A:GLU:HA	20	0.8
(1,1966)	1:37:B:LEU:HD13	1:33:B:LEU:HA	16	0.8
(1,1965)	1:37:A:LEU:HD13	1:33:A:LEU:HA	16	0.8
(1,1793)	1:49:A:LYS:HD2	1:50:A:ASP:H	2	0.8
(1,1710)	1:80:B:ILE:HB	1:75:A:ILE:HG23	8	0.8
(1,1710)	1:80:B:ILE:HB	1:75:A:ILE:HD12	18	0.8
(1,1709)	1:80:A:ILE:HB	1:75:B:ILE:HG23	8	0.8
(1,1709)	1:80:A:ILE:HB	1:75:B:ILE:HD12	18	0.8
(1,1696)	1:83:B:LYS:HE3	1:71:A:PHE:HB2	17	0.8
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG12	19	0.8
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG12	19	0.8
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG13	9	0.8
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG13	9	0.8
(1,553)	1:75:A:ILE:HD11	1:91:B:LYS:HD3	16	0.8
(1,344)	1:83:B:LYS:HE3	1:87:B:TYR:HB2	8	0.8
(1,296)	1:83:B:LYS:HB3	1:80:B:ILE:HA	5	0.8
(1,295)	1:83:A:LYS:HB3	1:80:A:ILE:HA	5	0.8
(1,119)	1:8:A:LEU:HD13	1:42:B:ALA:H	16	0.8
(1,117)	1:37:A:LEU:HD23	1:42:A:ALA:H	6	0.8
(1,97)	1:75:A:ILE:HD11	1:80:B:ILE:H	5	0.8
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD22	6	0.79
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD23	20	0.79
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD22	6	0.79
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD23	20	0.79
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HG21	7	0.79
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HG21	7	0.79
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG22	2	0.79
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG22	2	0.79
(1,3665)	1:76:A:SER:H	1:77:A:LEU:HB3	9	0.79
(1,3580)	1:8:B:LEU:H	1:41:A:LEU:HB3	7	0.79
(1,3579)	1:8:A:LEU:H	1:41:B:LEU:HB3	7	0.79
(1,3514)	1:87:B:TYR:H	1:71:A:PHE:HB2	9	0.79
(1,3448)	1:89:B:THR:H	1:83:B:LYS:HE2	1	0.79
(1,3448)	1:89:B:THR:H	1:83:B:LYS:HE2	4	0.79
(1,3447)	1:89:A:THR:H	1:83:A:LYS:HE2	4	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3430)	1:56:B:GLU:H	1:51:B:LYS:HE2	4	0.79
(1,3291)	1:92:A:GLU:H	1:89:A:THR:H	5	0.79
(1,3229)	1:75:A:ILE:HD11	1:78:B:VAL:HG12	16	0.79
(1,3220)	1:30:B:LYS:HG3	1:62:B:ASP:HB2	2	0.79
(1,3034)	1:8:B:LEU:HB3	1:12:B:VAL:HG13	12	0.79
(1,3033)	1:8:A:LEU:HB3	1:12:A:VAL:HG13	12	0.79
(1,2950)	1:82:B:LEU:HG	1:80:B:ILE:HA	4	0.79
(1,2949)	1:82:A:LEU:HG	1:80:A:ILE:HA	4	0.79
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD11	8	0.79
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD12	20	0.79
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD11	8	0.79
(1,2799)	1:67:A:GLU:HG3	1:62:A:ASP:HB3	7	0.79
(1,2729)	1:75:A:ILE:HD11	1:91:B:LYS:HD3	20	0.79
(1,2722)	1:53:B:VAL:HG22	1:46:B:LYS:HB2	15	0.79
(1,2721)	1:53:A:VAL:HG22	1:46:A:LYS:HB2	15	0.79
(1,2706)	1:45:B:ILE:HB	1:49:B:LYS:HD3	7	0.79
(1,2705)	1:45:A:ILE:HB	1:49:A:LYS:HD3	7	0.79
(1,2650)	1:34:B:LYS:HB3	1:32:B:GLU:HB3	4	0.79
(1,2649)	1:34:A:LYS:HB3	1:32:A:GLU:HB3	4	0.79
(1,2612)	1:83:B:LYS:HB2	1:83:B:LYS:HE2	13	0.79
(1,2520)	1:8:B:LEU:HB2	1:7:B:HIS:HB2	8	0.79
(1,2519)	1:8:A:LEU:HB2	1:7:A:HIS:HB2	8	0.79
(1,2519)	1:8:A:LEU:HB2	1:7:A:HIS:HB2	18	0.79
(1,2420)	1:67:B:GLU:HG3	1:59:B:GLN:HA	5	0.79
(1,2420)	1:67:B:GLU:HG3	1:59:B:GLN:HA	16	0.79
(1,2419)	1:67:A:GLU:HG3	1:59:A:GLN:HA	16	0.79
(1,2332)	1:86:B:HIS:HB3	1:83:B:LYS:HE2	14	0.79
(1,2331)	1:86:A:HIS:HB3	1:83:A:LYS:HE2	14	0.79
(1,2232)	1:8:B:LEU:HD13	1:78:A:VAL:HA	2	0.79
(1,2231)	1:8:A:LEU:HD13	1:78:B:VAL:HA	2	0.79
(1,2226)	1:82:B:LEU:HD13	1:78:A:VAL:HA	2	0.79
(1,2225)	1:82:A:LEU:HD13	1:78:B:VAL:HA	2	0.79
(1,1988)	1:30:B:LYS:HD3	1:56:B:GLU:HA	20	0.79
(1,1987)	1:30:A:LYS:HD2	1:29:A:SER:HB3	16	0.79
(1,1794)	1:49:B:LYS:HD2	1:50:B:ASP:H	2	0.79
(1,1694)	1:75:B:ILE:HD12	1:83:A:LYS:HE2	6	0.79
(1,1693)	1:75:A:ILE:HD12	1:83:B:LYS:HE2	6	0.79
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG11	3	0.79
(1,810)	1:53:B:VAL:HG13	1:45:B:ILE:HD11	1	0.79
(1,810)	1:53:B:VAL:HG11	1:45:B:ILE:HD11	4	0.79
(1,809)	1:53:A:VAL:HG11	1:45:A:ILE:HD11	4	0.79
(1,809)	1:53:A:VAL:HG13	1:45:A:ILE:HD11	18	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,578)	1:89:B:THR:HG21	1:91:B:LYS:HB2	2	0.79
(1,577)	1:89:A:THR:HG21	1:91:A:LYS:HB2	2	0.79
(1,553)	1:75:A:ILE:HD11	1:91:B:LYS:HD3	20	0.79
(1,343)	1:83:A:LYS:HE3	1:87:A:TYR:HB2	8	0.79
(1,120)	1:8:B:LEU:HD12	1:42:A:ALA:H	19	0.79
(1,118)	1:37:B:LEU:HD23	1:42:B:ALA:H	6	0.79
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD22	3	0.78
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD23	18	0.78
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD22	3	0.78
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD23	18	0.78
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HG22	1	0.78
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HG22	1	0.78
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG23	17	0.78
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG23	17	0.78
(1,3666)	1:76:B:SER:H	1:77:B:LEU:HB3	9	0.78
(1,3666)	1:76:B:SER:H	1:77:B:LEU:HB3	20	0.78
(1,3665)	1:76:A:SER:H	1:77:A:LEU:HB3	20	0.78
(1,3647)	1:8:A:LEU:H	1:85:B:ALA:HB3	2	0.78
(1,3608)	1:43:B:ASN:H	1:45:B:ILE:HB	4	0.78
(1,3607)	1:43:A:ASN:H	1:45:A:ILE:HB	4	0.78
(1,3580)	1:8:B:LEU:H	1:40:A:GLU:HB3	1	0.78
(1,3579)	1:8:A:LEU:H	1:40:B:GLU:HB3	1	0.78
(1,3576)	1:53:B:VAL:H	1:51:B:LYS:HB3	18	0.78
(1,3575)	1:53:A:VAL:H	1:51:A:LYS:HB3	18	0.78
(1,3537)	1:75:A:ILE:H	1:73:A:GLU:HB2	9	0.78
(1,3514)	1:87:B:TYR:H	1:71:A:PHE:HB2	1	0.78
(1,3513)	1:87:A:TYR:H	1:71:B:PHE:HB2	1	0.78
(1,3513)	1:83:A:LYS:H	1:8:B:LEU:HB3	16	0.78
(1,3502)	1:67:B:GLU:H	1:66:B:ASP:HB3	17	0.78
(1,3447)	1:89:A:THR:H	1:83:A:LYS:HE2	1	0.78
(1,3443)	1:41:A:LEU:H	1:49:A:LYS:HE2	13	0.78
(1,3292)	1:92:B:GLU:H	1:89:B:THR:H	5	0.78
(1,3291)	1:84:A:ALA:H	1:92:A:GLU:H	3	0.78
(1,3230)	1:75:B:ILE:HD11	1:78:A:VAL:HG12	16	0.78
(1,3219)	1:30:A:LYS:HG3	1:62:A:ASP:HB2	2	0.78
(1,2988)	1:53:B:VAL:HG11	1:56:B:GLU:HG3	10	0.78
(1,2984)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	11	0.78
(1,2983)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	11	0.78
(1,2964)	1:91:B:LYS:HD3	1:44:B:THR:HG21	5	0.78
(1,2963)	1:91:A:LYS:HD3	1:44:A:THR:HG21	5	0.78
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD11	13	0.78
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD12	6	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD11	13	0.78
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD12	20	0.78
(1,2817)	1:53:A:VAL:HG11	1:46:A:LYS:HG3	16	0.78
(1,2800)	1:67:B:GLU:HG3	1:62:B:ASP:HB3	7	0.78
(1,2730)	1:75:B:ILE:HD11	1:91:A:LYS:HD3	16	0.78
(1,2722)	1:53:B:VAL:HG21	1:46:B:LYS:HB2	18	0.78
(1,2721)	1:53:A:VAL:HG21	1:46:A:LYS:HB2	18	0.78
(1,2706)	1:45:B:ILE:HB	1:49:B:LYS:HD2	9	0.78
(1,2705)	1:45:A:ILE:HB	1:49:A:LYS:HD2	9	0.78
(1,2696)	1:61:B:LEU:HB2	1:57:B:ILE:HA	15	0.78
(1,2695)	1:61:A:LEU:HB2	1:57:A:ILE:HA	15	0.78
(1,2694)	1:61:B:LEU:HB2	1:57:B:ILE:HA	15	0.78
(1,2693)	1:61:A:LEU:HB2	1:57:A:ILE:HA	15	0.78
(1,2644)	1:50:B:ASP:HB3	1:51:B:LYS:HB2	7	0.78
(1,2643)	1:50:A:ASP:HB3	1:51:A:LYS:HB2	7	0.78
(1,2611)	1:83:A:LYS:HB2	1:83:A:LYS:HE2	13	0.78
(1,2520)	1:8:B:LEU:HB2	1:7:B:HIS:HB2	18	0.78
(1,2459)	1:30:A:LYS:HD3	1:59:A:GLN:HB2	13	0.78
(1,2408)	1:52:B:ALA:HB1	1:56:B:GLU:HG2	15	0.78
(1,2407)	1:52:A:ALA:HB1	1:56:A:GLU:HG2	15	0.78
(1,2343)	1:54:A:ILE:HG21	1:30:A:LYS:HE3	12	0.78
(1,2277)	1:42:A:ALA:HB2	1:43:A:ASN:HB3	9	0.78
(1,2270)	1:83:B:LYS:HA	1:83:B:LYS:HE2	6	0.78
(1,2269)	1:83:A:LYS:HA	1:83:A:LYS:HE2	6	0.78
(1,2234)	1:89:B:THR:HG21	1:83:B:LYS:HE3	6	0.78
(1,2233)	1:89:A:THR:HG21	1:83:A:LYS:HE3	6	0.78
(1,2232)	1:8:B:LEU:HD12	1:78:A:VAL:HA	6	0.78
(1,2232)	1:8:B:LEU:HD11	1:78:A:VAL:HA	10	0.78
(1,2068)	1:48:B:ILE:HA	1:51:B:LYS:HA	7	0.78
(1,2068)	1:48:B:ILE:HA	1:51:B:LYS:HA	19	0.78
(1,2067)	1:48:A:ILE:HA	1:51:A:LYS:HA	19	0.78
(1,2060)	1:83:B:LYS:HD2	1:79:B:ALA:HA	5	0.78
(1,2059)	1:83:A:LYS:HD2	1:79:A:ALA:HA	5	0.78
(1,1999)	1:74:A:PHE:HA	1:76:A:SER:HB2	7	0.78
(1,1696)	1:83:B:LYS:HE3	1:71:A:PHE:HB2	14	0.78
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG11	3	0.78
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG12	15	0.78
(1,810)	1:53:B:VAL:HG13	1:45:B:ILE:HD11	18	0.78
(1,809)	1:53:A:VAL:HG13	1:45:A:ILE:HD11	1	0.78
(1,654)	1:37:B:LEU:HB2	1:48:B:ILE:HG12	6	0.78
(1,583)	1:8:A:LEU:HB2	1:82:B:LEU:HB3	11	0.78
(1,554)	1:75:B:ILE:HD11	1:91:A:LYS:HD3	16	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:8:B:LEU:HD13	1:42:A:ALA:H	16	0.78
(1,119)	1:8:A:LEU:HD12	1:42:B:ALA:H	3	0.78
(1,119)	1:8:A:LEU:HD12	1:42:B:ALA:H	19	0.78
(1,117)	1:37:A:LEU:HD22	1:42:A:ALA:H	7	0.78
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG22	11	0.77
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG21	6	0.77
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG21	6	0.77
(1,3648)	1:8:B:LEU:H	1:85:A:ALA:HB3	2	0.77
(1,3560)	1:77:B:LEU:H	1:75:B:ILE:HB	3	0.77
(1,3559)	1:77:A:LEU:H	1:75:A:ILE:HB	3	0.77
(1,3538)	1:75:B:ILE:H	1:73:B:GLU:HB2	9	0.77
(1,3514)	1:83:B:LYS:H	1:8:A:LEU:HB3	16	0.77
(1,3501)	1:67:A:GLU:H	1:66:A:ASP:HB3	17	0.77
(1,3479)	1:85:A:ALA:H	1:12:B:VAL:HB	8	0.77
(1,3444)	1:41:B:LEU:H	1:49:B:LYS:HE2	13	0.77
(1,3230)	1:75:B:ILE:HD11	1:78:A:VAL:HG11	20	0.77
(1,3229)	1:75:A:ILE:HD11	1:78:B:VAL:HG11	20	0.77
(1,3214)	1:91:B:LYS:HD2	1:45:B:ILE:HD11	18	0.77
(1,3213)	1:91:A:LYS:HD2	1:45:A:ILE:HD11	18	0.77
(1,3145)	1:88:A:HIS:HB3	1:12:B:VAL:HG23	10	0.77
(1,2950)	1:82:B:LEU:HG	1:80:B:ILE:HA	7	0.77
(1,2950)	1:82:B:LEU:HG	1:80:B:ILE:HA	17	0.77
(1,2949)	1:82:A:LEU:HG	1:80:A:ILE:HA	7	0.77
(1,2949)	1:82:A:LEU:HG	1:80:A:ILE:HA	17	0.77
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD12	6	0.77
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD11	11	0.77
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD13	16	0.77
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD11	19	0.77
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD11	11	0.77
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD13	16	0.77
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD11	19	0.77
(1,2832)	1:58:B:PHE:HA	1:33:B:LEU:HG	1	0.77
(1,2832)	1:58:B:PHE:HA	1:33:B:LEU:HG	6	0.77
(1,2832)	1:58:B:PHE:HA	1:33:B:LEU:HG	15	0.77
(1,2831)	1:58:A:PHE:HA	1:33:A:LEU:HG	6	0.77
(1,2831)	1:58:A:PHE:HA	1:33:A:LEU:HG	15	0.77
(1,2818)	1:53:B:VAL:HG11	1:46:B:LYS:HG3	16	0.77
(1,2705)	1:45:A:ILE:HB	1:49:A:LYS:HD3	13	0.77
(1,2696)	1:61:B:LEU:HB2	1:57:B:ILE:HA	5	0.77
(1,2696)	1:61:B:LEU:HB2	1:57:B:ILE:HA	17	0.77
(1,2695)	1:61:A:LEU:HB2	1:57:A:ILE:HA	5	0.77
(1,2695)	1:61:A:LEU:HB2	1:57:A:ILE:HA	17	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2694)	1:61:B:LEU:HB2	1:57:B:ILE:HA	5	0.77
(1,2694)	1:61:B:LEU:HB2	1:57:B:ILE:HA	17	0.77
(1,2693)	1:61:A:LEU:HB2	1:57:A:ILE:HA	5	0.77
(1,2693)	1:61:A:LEU:HB2	1:57:A:ILE:HA	17	0.77
(1,2480)	1:62:B:ASP:HB3	1:65:B:GLN:HB3	17	0.77
(1,2479)	1:62:A:ASP:HB3	1:65:A:GLN:HB3	17	0.77
(1,2460)	1:30:B:LYS:HD3	1:59:B:GLN:HB2	13	0.77
(1,2419)	1:67:A:GLU:HG3	1:59:A:GLN:HA	5	0.77
(1,2367)	1:62:A:ASP:HB2	1:68:A:GLN:HG2	8	0.77
(1,2344)	1:54:B:ILE:HG21	1:30:B:LYS:HE3	12	0.77
(1,2342)	1:30:B:LYS:HB3	1:30:B:LYS:HE2	15	0.77
(1,2341)	1:30:A:LYS:HB3	1:30:A:LYS:HE2	15	0.77
(1,2278)	1:42:B:ALA:HB2	1:43:B:ASN:HB3	9	0.77
(1,2231)	1:8:A:LEU:HD12	1:78:B:VAL:HA	6	0.77
(1,2231)	1:8:A:LEU:HD13	1:78:B:VAL:HA	19	0.77
(1,2204)	1:52:B:ALA:HB3	1:51:B:LYS:HE2	15	0.77
(1,2203)	1:52:A:ALA:HB3	1:51:A:LYS:HE2	15	0.77
(1,2166)	1:12:B:VAL:HG23	1:88:A:HIS:HB3	10	0.77
(1,2067)	1:48:A:ILE:HA	1:51:A:LYS:HA	7	0.77
(1,2020)	1:91:B:LYS:HD3	1:83:B:LYS:HA	18	0.77
(1,2019)	1:91:A:LYS:HD3	1:83:A:LYS:HA	18	0.77
(1,2000)	1:74:B:PHE:HA	1:76:B:SER:HB2	7	0.77
(1,1988)	1:30:B:LYS:HD2	1:29:B:SER:HB3	2	0.77
(1,1988)	1:30:B:LYS:HD2	1:29:B:SER:HB3	6	0.77
(1,1987)	1:30:A:LYS:HD2	1:29:A:SER:HB3	2	0.77
(1,1987)	1:30:A:LYS:HD2	1:29:A:SER:HB3	6	0.77
(1,1975)	1:54:A:ILE:HB	1:49:A:LYS:HA	11	0.77
(1,1966)	1:37:B:LEU:HD13	1:33:B:LEU:HA	7	0.77
(1,1965)	1:37:A:LEU:HD13	1:33:A:LEU:HA	7	0.77
(1,1845)	1:54:A:ILE:H	1:48:A:ILE:HG12	11	0.77
(1,1794)	1:49:B:LYS:HD2	1:50:B:ASP:H	5	0.77
(1,1793)	1:49:A:LYS:HD2	1:50:A:ASP:H	5	0.77
(1,1712)	1:83:B:LYS:HD3	1:75:A:ILE:HG21	18	0.77
(1,1711)	1:83:A:LYS:HD3	1:75:B:ILE:HG21	18	0.77
(1,1695)	1:83:A:LYS:HE3	1:71:B:PHE:HB2	14	0.77
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG13	10	0.77
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG12	15	0.77
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG13	10	0.77
(1,653)	1:37:A:LEU:HB2	1:48:A:ILE:HG12	6	0.77
(1,584)	1:8:B:LEU:HB2	1:82:A:LEU:HB3	11	0.77
(1,553)	1:75:A:ILE:HD11	1:91:B:LYS:HD3	10	0.77
(1,120)	1:8:B:LEU:HD12	1:42:A:ALA:H	3	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,119)	1:8:A:LEU:HD13	1:42:B:ALA:H	14	0.77
(1,118)	1:37:B:LEU:HD22	1:42:B:ALA:H	7	0.77
(1,117)	1:37:A:LEU:HD22	1:42:A:ALA:H	9	0.77
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD23	10	0.76
(1,3802)	1:10:B:GLY:H	1:8:B:LEU:HG	16	0.76
(1,3801)	1:10:A:GLY:H	1:8:A:LEU:HG	16	0.76
(1,3771)	1:54:A:ILE:H	1:48:A:ILE:HD11	11	0.76
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG23	18	0.76
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG22	15	0.76
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG23	18	0.76
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG22	11	0.76
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG23	4	0.76
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG23	4	0.76
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB2	9	0.76
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB2	5	0.76
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB2	9	0.76
(1,3626)	1:38:B:THR:H	1:54:B:ILE:HG12	1	0.76
(1,3626)	1:38:B:THR:H	1:54:B:ILE:HG12	5	0.76
(1,3625)	1:38:A:THR:H	1:54:A:ILE:HG12	1	0.76
(1,3625)	1:38:A:THR:H	1:54:A:ILE:HG12	5	0.76
(1,3576)	1:53:B:VAL:H	1:51:B:LYS:HB3	8	0.76
(1,3575)	1:53:A:VAL:H	1:51:A:LYS:HB3	8	0.76
(1,3513)	1:87:A:TYR:H	1:71:B:PHE:HB2	9	0.76
(1,3506)	1:18:B:TYR:H	1:35:B:GLN:HB3	12	0.76
(1,3505)	1:18:A:TYR:H	1:35:A:GLN:HB3	12	0.76
(1,3502)	1:67:B:GLU:H	1:66:B:ASP:HB3	20	0.76
(1,3501)	1:67:A:GLU:H	1:66:A:ASP:HB3	20	0.76
(1,3292)	1:84:B:ALA:H	1:92:B:GLU:H	3	0.76
(1,3146)	1:88:B:HIS:HB3	1:12:A:VAL:HG22	19	0.76
(1,3040)	1:57:B:ILE:HG12	1:45:B:ILE:HG13	19	0.76
(1,3040)	1:53:B:VAL:HG12	1:45:B:ILE:HG13	20	0.76
(1,3039)	1:57:A:ILE:HG12	1:45:A:ILE:HG13	19	0.76
(1,3039)	1:53:A:VAL:HG12	1:45:A:ILE:HG13	20	0.76
(1,2950)	1:82:B:LEU:HG	1:80:B:ILE:HA	10	0.76
(1,2949)	1:82:A:LEU:HG	1:80:A:ILE:HA	10	0.76
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD12	4	0.76
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD12	4	0.76
(1,2831)	1:58:A:PHE:HA	1:33:A:LEU:HG	1	0.76
(1,2750)	1:32:B:GLU:HG3	1:36:B:LEU:HB2	10	0.76
(1,2749)	1:32:A:GLU:HG3	1:36:A:LEU:HB2	10	0.76
(1,2730)	1:75:B:ILE:HD11	1:91:A:LYS:HD3	20	0.76
(1,2706)	1:45:B:ILE:HB	1:49:B:LYS:HD3	13	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2664)	1:61:B:LEU:HD21	1:80:B:ILE:HB	5	0.76
(1,2663)	1:61:A:LEU:HD21	1:80:A:ILE:HB	5	0.76
(1,2644)	1:50:B:ASP:HB3	1:51:B:LYS:HB2	9	0.76
(1,2643)	1:50:A:ASP:HB3	1:51:A:LYS:HB2	9	0.76
(1,2616)	1:59:B:GLN:HG2	1:57:B:ILE:HB	10	0.76
(1,2615)	1:59:A:GLN:HG2	1:57:A:ILE:HB	10	0.76
(1,2562)	1:83:B:LYS:HB2	1:83:B:LYS:HE2	13	0.76
(1,2561)	1:83:A:LYS:HB2	1:83:A:LYS:HE2	13	0.76
(1,2476)	1:33:B:LEU:HB2	1:32:B:GLU:HG2	10	0.76
(1,2475)	1:33:A:LEU:HB2	1:32:A:GLU:HG2	10	0.76
(1,2408)	1:52:B:ALA:HB3	1:56:B:GLU:HG2	11	0.76
(1,2408)	1:52:B:ALA:HB1	1:56:B:GLU:HG2	18	0.76
(1,2407)	1:52:A:ALA:HB1	1:56:A:GLU:HG2	18	0.76
(1,2402)	1:51:B:LYS:HD2	1:53:B:VAL:HB	20	0.76
(1,2401)	1:51:A:LYS:HD2	1:53:A:VAL:HB	20	0.76
(1,2368)	1:62:B:ASP:HB2	1:68:B:GLN:HG2	8	0.76
(1,2232)	1:8:B:LEU:HD12	1:78:A:VAL:HA	15	0.76
(1,2232)	1:8:B:LEU:HD13	1:78:A:VAL:HA	19	0.76
(1,2231)	1:8:A:LEU:HD11	1:78:B:VAL:HA	10	0.76
(1,2231)	1:8:A:LEU:HD12	1:78:B:VAL:HA	15	0.76
(1,2226)	1:82:B:LEU:HD13	1:78:A:VAL:HA	20	0.76
(1,2165)	1:12:A:VAL:HG22	1:88:B:HIS:HB3	19	0.76
(1,2060)	1:83:B:LYS:HD2	1:79:B:ALA:HA	7	0.76
(1,2059)	1:83:A:LYS:HD2	1:79:A:ALA:HA	7	0.76
(1,2000)	1:74:B:PHE:HA	1:77:B:LEU:HA	4	0.76
(1,1999)	1:74:A:PHE:HA	1:77:A:LEU:HA	4	0.76
(1,1999)	1:74:A:PHE:HA	1:76:A:SER:HB2	16	0.76
(1,1976)	1:54:B:ILE:HB	1:49:B:LYS:HA	9	0.76
(1,1976)	1:54:B:ILE:HB	1:49:B:LYS:HA	11	0.76
(1,1966)	1:37:B:LEU:HD13	1:33:B:LEU:HA	12	0.76
(1,1936)	1:83:B:LYS:HD2	1:91:B:LYS:HA	3	0.76
(1,1935)	1:83:A:LYS:HD2	1:91:A:LYS:HA	3	0.76
(1,1900)	1:44:B:THR:HG23	1:88:B:HIS:HA	20	0.76
(1,1899)	1:44:A:THR:HG23	1:88:A:HIS:HA	20	0.76
(1,1882)	1:46:B:LYS:HE2	1:90:B:HIS:HA	1	0.76
(1,1881)	1:46:A:LYS:HE2	1:90:A:HIS:HA	1	0.76
(1,1846)	1:54:B:ILE:H	1:48:B:ILE:HG12	11	0.76
(1,1804)	1:84:B:ALA:H	1:85:B:ALA:HB1	7	0.76
(1,1803)	1:84:A:ALA:H	1:85:A:ALA:HB1	7	0.76
(1,1794)	1:49:B:LYS:HD2	1:50:B:ASP:H	1	0.76
(1,1793)	1:49:A:LYS:HD2	1:50:A:ASP:H	1	0.76
(1,584)	1:8:B:LEU:HB2	1:82:A:LEU:HB3	8	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,554)	1:75:B:ILE:HD11	1:91:A:LYS:HD3	20	0.76
(1,120)	1:8:B:LEU:HD11	1:42:A:ALA:H	6	0.76
(1,120)	1:8:B:LEU:HD13	1:42:A:ALA:H	11	0.76
(1,120)	1:8:B:LEU:HD12	1:42:A:ALA:H	12	0.76
(1,120)	1:8:B:LEU:HD13	1:42:A:ALA:H	14	0.76
(1,119)	1:8:A:LEU:HD11	1:42:B:ALA:H	6	0.76
(1,118)	1:37:B:LEU:HD22	1:42:B:ALA:H	9	0.76
(1,117)	1:37:A:LEU:HD21	1:42:A:ALA:H	3	0.76
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD22	4	0.75
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD22	4	0.75
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD23	10	0.75
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HG23	14	0.75
(1,3772)	1:54:B:ILE:H	1:48:B:ILE:HD11	11	0.75
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG22	15	0.75
(1,3665)	1:76:A:SER:H	1:77:A:LEU:HB3	16	0.75
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB2	5	0.75
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB1	14	0.75
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB1	14	0.75
(1,3626)	1:38:B:THR:H	1:54:B:ILE:HG12	19	0.75
(1,3625)	1:38:A:THR:H	1:54:A:ILE:HG12	19	0.75
(1,3608)	1:43:B:ASN:H	1:49:B:LYS:HD3	16	0.75
(1,3607)	1:43:A:ASN:H	1:49:A:LYS:HD3	16	0.75
(1,3590)	1:90:B:HIS:H	1:46:B:LYS:HB2	3	0.75
(1,3589)	1:90:A:HIS:H	1:46:A:LYS:HB2	3	0.75
(1,3514)	1:87:B:TYR:H	1:71:A:PHE:HB2	2	0.75
(1,3513)	1:87:A:TYR:H	1:71:B:PHE:HB2	2	0.75
(1,3480)	1:85:B:ALA:H	1:12:A:VAL:HB	8	0.75
(1,3448)	1:89:B:THR:H	1:83:B:LYS:HE2	17	0.75
(1,3448)	1:89:B:THR:H	1:91:B:LYS:HE2	20	0.75
(1,3447)	1:89:A:THR:H	1:83:A:LYS:HE2	17	0.75
(1,3444)	1:41:B:LEU:H	1:49:B:LYS:HE3	6	0.75
(1,3292)	1:92:B:GLU:H	1:89:B:THR:H	7	0.75
(1,3291)	1:92:A:GLU:H	1:89:A:THR:H	7	0.75
(1,3180)	1:30:B:LYS:HG2	1:55:B:ASP:HB2	17	0.75
(1,3179)	1:30:A:LYS:HG2	1:55:A:ASP:HB2	17	0.75
(1,3146)	1:88:B:HIS:HB2	1:12:A:VAL:HG22	4	0.75
(1,3145)	1:88:A:HIS:HB2	1:12:B:VAL:HG22	4	0.75
(1,3145)	1:88:A:HIS:HB3	1:12:B:VAL:HG22	19	0.75
(1,3120)	1:82:B:LEU:HA	1:8:A:LEU:HD23	2	0.75
(1,3119)	1:82:A:LEU:HA	1:8:B:LEU:HD23	2	0.75
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD12	18	0.75
(1,2800)	1:67:B:GLU:HG3	1:62:B:ASP:HB3	12	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2799)	1:67:A:GLU:HG3	1:62:A:ASP:HB3	12	0.75
(1,2750)	1:32:B:GLU:HG2	1:33:B:LEU:HB3	20	0.75
(1,2749)	1:32:A:GLU:HG2	1:33:A:LEU:HB3	20	0.75
(1,2682)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	2	0.75
(1,2681)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	2	0.75
(1,2563)	1:13:A:ASN:HB2	1:9:A:GLU:HB3	3	0.75
(1,2520)	1:8:B:LEU:HB2	1:7:B:HIS:HB2	10	0.75
(1,2519)	1:8:A:LEU:HB2	1:7:A:HIS:HB2	10	0.75
(1,2477)	1:55:A:ASP:HB3	1:59:A:GLN:HB2	5	0.75
(1,2458)	1:37:B:LEU:HG	1:40:B:GLU:HG2	3	0.75
(1,2457)	1:37:A:LEU:HG	1:40:A:GLU:HG2	3	0.75
(1,2407)	1:52:A:ALA:HB3	1:56:A:GLU:HG2	11	0.75
(1,2401)	1:51:A:LYS:HD2	1:53:A:VAL:HB	4	0.75
(1,2344)	1:54:B:ILE:HG22	1:30:B:LYS:HE2	20	0.75
(1,2343)	1:54:A:ILE:HG22	1:30:A:LYS:HE2	20	0.75
(1,2278)	1:42:B:ALA:HB3	1:43:B:ASN:HB3	2	0.75
(1,2277)	1:42:A:ALA:HB3	1:43:A:ASN:HB3	2	0.75
(1,2232)	1:8:B:LEU:HD12	1:78:A:VAL:HA	9	0.75
(1,2232)	1:8:B:LEU:HD11	1:78:A:VAL:HA	16	0.75
(1,2231)	1:8:A:LEU:HD11	1:78:B:VAL:HA	16	0.75
(1,2225)	1:82:A:LEU:HD13	1:78:B:VAL:HA	20	0.75
(1,2170)	1:86:B:HIS:HA	1:88:B:HIS:HB3	2	0.75
(1,2169)	1:86:A:HIS:HA	1:88:A:HIS:HB3	2	0.75
(1,2166)	1:12:B:VAL:HG22	1:88:A:HIS:HB2	4	0.75
(1,2166)	1:12:B:VAL:HG22	1:88:A:HIS:HB3	19	0.75
(1,2165)	1:12:A:VAL:HG22	1:88:B:HIS:HB2	4	0.75
(1,2060)	1:83:B:LYS:HD2	1:79:B:ALA:HA	10	0.75
(1,2059)	1:83:A:LYS:HD2	1:79:A:ALA:HA	10	0.75
(1,2000)	1:74:B:PHE:HA	1:76:B:SER:HB2	16	0.75
(1,1975)	1:54:A:ILE:HB	1:49:A:LYS:HA	9	0.75
(1,1965)	1:37:A:LEU:HD13	1:33:A:LEU:HA	12	0.75
(1,1794)	1:49:B:LYS:HD2	1:50:B:ASP:H	6	0.75
(1,1793)	1:49:A:LYS:HD2	1:50:A:ASP:H	6	0.75
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG13	12	0.75
(1,854)	1:78:B:VAL:HG12	1:45:B:ILE:HD11	10	0.75
(1,854)	1:78:B:VAL:HG13	1:45:B:ILE:HD12	20	0.75
(1,853)	1:78:A:VAL:HG12	1:45:A:ILE:HD11	10	0.75
(1,853)	1:78:A:VAL:HG13	1:45:A:ILE:HD12	20	0.75
(1,824)	1:75:B:ILE:HG13	1:75:B:ILE:HG22	18	0.75
(1,823)	1:75:A:ILE:HG13	1:75:A:ILE:HG22	18	0.75
(1,583)	1:8:A:LEU:HB2	1:82:B:LEU:HB3	8	0.75
(1,469)	1:36:A:LEU:HD13	1:40:A:GLU:HG3	2	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,119)	1:8:A:LEU:HD13	1:42:B:ALA:H	11	0.75
(1,119)	1:8:A:LEU:HD12	1:42:B:ALA:H	12	0.75
(1,119)	1:8:A:LEU:HD13	1:42:B:ALA:H	20	0.75
(1,118)	1:37:B:LEU:HD22	1:42:B:ALA:H	1	0.75
(1,118)	1:37:B:LEU:HD21	1:42:B:ALA:H	3	0.75
(1,117)	1:37:A:LEU:HD22	1:42:A:ALA:H	1	0.75
(1,117)	1:37:A:LEU:HD23	1:42:A:ALA:H	18	0.75
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD23	12	0.74
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD23	12	0.74
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HG23	14	0.74
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG21	19	0.74
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG22	10	0.74
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG23	3	0.74
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG23	3	0.74
(1,3738)	1:11:B:ILE:H	1:12:B:VAL:HG12	6	0.74
(1,3737)	1:11:A:ILE:H	1:12:A:VAL:HG12	6	0.74
(1,3666)	1:76:B:SER:H	1:77:B:LEU:HB3	16	0.74
(1,3602)	1:57:B:ILE:H	1:54:B:ILE:HG13	5	0.74
(1,3601)	1:57:A:ILE:H	1:54:A:ILE:HG13	5	0.74
(1,3448)	1:89:B:THR:H	1:83:B:LYS:HE2	8	0.74
(1,3447)	1:89:A:THR:H	1:83:A:LYS:HE2	8	0.74
(1,3447)	1:89:A:THR:H	1:83:A:LYS:HE2	19	0.74
(1,3447)	1:89:A:THR:H	1:91:A:LYS:HE2	20	0.74
(1,3443)	1:41:A:LEU:H	1:49:A:LYS:HE3	6	0.74
(1,3178)	1:83:B:LYS:HE2	1:75:A:ILE:HD11	11	0.74
(1,3178)	1:83:B:LYS:HE2	1:75:A:ILE:HD13	18	0.74
(1,3177)	1:83:A:LYS:HE2	1:75:B:ILE:HD11	11	0.74
(1,3119)	1:82:A:LEU:HA	1:8:B:LEU:HD22	6	0.74
(1,3119)	1:82:A:LEU:HA	1:12:B:VAL:HG21	14	0.74
(1,3086)	1:11:B:ILE:HB	1:82:A:LEU:HD11	16	0.74
(1,3074)	1:59:B:GLN:HA	1:61:B:LEU:HD12	2	0.74
(1,3073)	1:59:A:GLN:HA	1:61:A:LEU:HD12	2	0.74
(1,3048)	1:30:B:LYS:HA	1:33:B:LEU:HD22	11	0.74
(1,3047)	1:30:A:LYS:HA	1:33:A:LEU:HD22	11	0.74
(1,2988)	1:53:B:VAL:HG13	1:56:B:GLU:HG3	12	0.74
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD13	10	0.74
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD13	10	0.74
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD12	1	0.74
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD12	2	0.74
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD12	14	0.74
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD12	18	0.74
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD12	1	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD12	2	0.74
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD12	14	0.74
(1,2729)	1:75:A:ILE:HD13	1:91:B:LYS:HB2	10	0.74
(1,2682)	1:83:B:LYS:HB2	1:91:B:LYS:HD3	9	0.74
(1,2681)	1:83:A:LYS:HB2	1:91:A:LYS:HD3	9	0.74
(1,2564)	1:13:B:ASN:HB2	1:9:B:GLU:HB3	3	0.74
(1,2478)	1:55:B:ASP:HB3	1:59:B:GLN:HB2	5	0.74
(1,2460)	1:30:B:LYS:HD2	1:67:B:GLU:HG2	2	0.74
(1,2459)	1:30:A:LYS:HD2	1:67:A:GLU:HG2	2	0.74
(1,2457)	1:37:A:LEU:HG	1:40:A:GLU:HG2	4	0.74
(1,2402)	1:51:B:LYS:HD2	1:53:B:VAL:HB	4	0.74
(1,2352)	1:36:B:LEU:HB2	1:40:B:GLU:HB2	12	0.74
(1,2351)	1:36:A:LEU:HB2	1:40:A:GLU:HB2	12	0.74
(1,2338)	1:58:B:PHE:HB2	1:30:B:LYS:HE2	2	0.74
(1,2337)	1:58:A:PHE:HB2	1:30:A:LYS:HE2	2	0.74
(1,2232)	1:8:B:LEU:HD11	1:78:A:VAL:HA	8	0.74
(1,2231)	1:8:A:LEU:HD12	1:78:B:VAL:HA	9	0.74
(1,2108)	1:61:B:LEU:HD22	1:60:B:GLY:HA3	3	0.74
(1,2000)	1:74:B:PHE:HA	1:76:B:SER:HB2	18	0.74
(1,1976)	1:54:B:ILE:HB	1:49:B:LYS:HA	10	0.74
(1,1966)	1:37:B:LEU:HD12	1:33:B:LEU:HA	6	0.74
(1,1965)	1:37:A:LEU:HD12	1:33:A:LEU:HA	6	0.74
(1,1942)	1:30:B:LYS:HD3	1:52:B:ALA:HA	11	0.74
(1,1941)	1:30:A:LYS:HD3	1:52:A:ALA:HA	11	0.74
(1,1894)	1:91:B:LYS:HG2	1:90:B:HIS:HA	14	0.74
(1,1893)	1:91:A:LYS:HG2	1:90:A:HIS:HA	14	0.74
(1,1881)	1:46:A:LYS:HE2	1:90:A:HIS:HA	12	0.74
(1,1804)	1:84:B:ALA:H	1:85:B:ALA:HB1	13	0.74
(1,1803)	1:84:A:ALA:H	1:85:A:ALA:HB1	13	0.74
(1,1794)	1:49:B:LYS:HD2	1:50:B:ASP:H	9	0.74
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG13	12	0.74
(1,1416)	1:41:B:LEU:H	1:40:B:GLU:HB2	12	0.74
(1,1415)	1:41:A:LEU:H	1:40:A:GLU:HB2	12	0.74
(1,842)	1:78:B:VAL:HG12	1:36:B:LEU:HD22	3	0.74
(1,841)	1:78:A:VAL:HG12	1:36:A:LEU:HD22	3	0.74
(1,584)	1:8:B:LEU:HB2	1:82:A:LEU:HB3	1	0.74
(1,470)	1:36:B:LEU:HD13	1:40:B:GLU:HG3	2	0.74
(1,470)	1:36:B:LEU:HD13	1:40:B:GLU:HG3	16	0.74
(1,120)	1:8:B:LEU:HD13	1:42:A:ALA:H	20	0.74
(1,118)	1:37:B:LEU:HD21	1:42:B:ALA:H	13	0.74
(1,118)	1:37:B:LEU:HD23	1:42:B:ALA:H	18	0.74
(1,117)	1:37:A:LEU:HD21	1:42:A:ALA:H	13	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD21	11	0.73
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD21	11	0.73
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HG22	8	0.73
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HG22	8	0.73
(1,3780)	1:38:B:THR:H	1:48:B:ILE:HG23	9	0.73
(1,3779)	1:38:A:THR:H	1:48:A:ILE:HG23	9	0.73
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG21	19	0.73
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG22	10	0.73
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG23	13	0.73
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG23	13	0.73
(1,3666)	1:76:B:SER:H	1:77:B:LEU:HB3	19	0.73
(1,3665)	1:76:A:SER:H	1:77:A:LEU:HB3	19	0.73
(1,3626)	1:38:B:THR:H	1:54:B:ILE:HG12	12	0.73
(1,3625)	1:38:A:THR:H	1:54:A:ILE:HG12	12	0.73
(1,3602)	1:57:B:ILE:H	1:54:B:ILE:HG13	8	0.73
(1,3602)	1:57:B:ILE:H	1:54:B:ILE:HG13	12	0.73
(1,3602)	1:57:B:ILE:H	1:54:B:ILE:HG13	20	0.73
(1,3601)	1:57:A:ILE:H	1:54:A:ILE:HG13	8	0.73
(1,3601)	1:57:A:ILE:H	1:54:A:ILE:HG13	12	0.73
(1,3601)	1:57:A:ILE:H	1:54:A:ILE:HG13	20	0.73
(1,3517)	1:10:A:GLY:H	1:11:A:ILE:HB	20	0.73
(1,3480)	1:85:B:ALA:H	1:12:A:VAL:HB	3	0.73
(1,3448)	1:89:B:THR:H	1:83:B:LYS:HE2	13	0.73
(1,3448)	1:89:B:THR:H	1:83:B:LYS:HE2	19	0.73
(1,3292)	1:92:B:GLU:H	1:89:B:THR:H	2	0.73
(1,3291)	1:92:A:GLU:H	1:89:A:THR:H	2	0.73
(1,3178)	1:83:B:LYS:HE3	1:75:A:ILE:HD12	1	0.73
(1,3178)	1:83:B:LYS:HE3	1:75:A:ILE:HD13	7	0.73
(1,3178)	1:83:B:LYS:HE3	1:75:A:ILE:HD11	14	0.73
(1,3177)	1:83:A:LYS:HE3	1:75:B:ILE:HD12	1	0.73
(1,3177)	1:83:A:LYS:HE3	1:75:B:ILE:HD13	7	0.73
(1,3177)	1:83:A:LYS:HE3	1:75:B:ILE:HD11	14	0.73
(1,3177)	1:83:A:LYS:HE2	1:75:B:ILE:HD13	18	0.73
(1,3120)	1:82:B:LEU:HA	1:8:A:LEU:HD22	6	0.73
(1,3120)	1:82:B:LEU:HA	1:12:A:VAL:HG21	14	0.73
(1,3085)	1:11:A:ILE:HB	1:82:B:LEU:HD11	16	0.73
(1,3074)	1:59:B:GLN:HA	1:61:B:LEU:HD11	13	0.73
(1,3073)	1:59:A:GLN:HA	1:61:A:LEU:HD11	13	0.73
(1,2987)	1:53:A:VAL:HG13	1:56:A:GLU:HG3	12	0.73
(1,2987)	1:53:A:VAL:HG12	1:56:A:GLU:HG3	16	0.73
(1,2950)	1:82:B:LEU:HG	1:80:B:ILE:HA	18	0.73
(1,2949)	1:82:A:LEU:HG	1:80:A:ILE:HA	18	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2938)	1:7:B:HIS:HB2	1:82:A:LEU:HG	3	0.73
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD13	3	0.73
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD13	3	0.73
(1,2832)	1:58:B:PHE:HA	1:77:B:LEU:HB2	16	0.73
(1,2831)	1:58:A:PHE:HA	1:77:A:LEU:HB2	16	0.73
(1,2804)	1:49:B:LYS:HG2	1:47:B:ASN:HB3	9	0.73
(1,2696)	1:61:B:LEU:HB2	1:57:B:ILE:HA	8	0.73
(1,2695)	1:61:A:LEU:HB2	1:57:A:ILE:HA	8	0.73
(1,2694)	1:61:B:LEU:HB2	1:57:B:ILE:HA	8	0.73
(1,2693)	1:61:A:LEU:HB2	1:57:A:ILE:HA	8	0.73
(1,2650)	1:34:B:LYS:HB3	1:32:B:GLU:HB3	20	0.73
(1,2649)	1:34:A:LYS:HB3	1:32:A:GLU:HB3	20	0.73
(1,2554)	1:79:B:ALA:HA	1:78:B:VAL:HB	9	0.73
(1,2553)	1:79:A:ALA:HA	1:78:A:VAL:HB	9	0.73
(1,2458)	1:37:B:LEU:HG	1:40:B:GLU:HG2	4	0.73
(1,2420)	1:65:B:GLN:HB3	1:59:B:GLN:HA	11	0.73
(1,2419)	1:65:A:GLN:HB3	1:59:A:GLN:HA	11	0.73
(1,2342)	1:30:B:LYS:HB2	1:30:B:LYS:HE2	11	0.73
(1,2341)	1:30:A:LYS:HB2	1:30:A:LYS:HE2	11	0.73
(1,2296)	1:59:B:GLN:HG2	1:55:B:ASP:HB3	11	0.73
(1,2295)	1:59:A:GLN:HG2	1:55:A:ASP:HB3	11	0.73
(1,2278)	1:42:B:ALA:HB1	1:43:B:ASN:HB3	3	0.73
(1,2277)	1:42:A:ALA:HB1	1:43:A:ASN:HB3	3	0.73
(1,2265)	1:53:A:VAL:HG11	1:47:A:ASN:HB3	11	0.73
(1,2231)	1:8:A:LEU:HD11	1:78:B:VAL:HA	8	0.73
(1,2225)	1:82:A:LEU:HD13	1:78:B:VAL:HA	15	0.73
(1,2157)	1:82:A:LEU:HG	1:7:B:HIS:HB2	3	0.73
(1,2107)	1:61:A:LEU:HD22	1:60:A:GLY:HA3	3	0.73
(1,2082)	1:78:B:VAL:HG23	1:74:B:PHE:HA	15	0.73
(1,2082)	1:78:B:VAL:HG23	1:74:B:PHE:HA	19	0.73
(1,2081)	1:78:A:VAL:HG23	1:74:A:PHE:HA	15	0.73
(1,1999)	1:74:A:PHE:HA	1:76:A:SER:HB2	18	0.73
(1,1976)	1:54:B:ILE:HB	1:49:B:LYS:HA	7	0.73
(1,1976)	1:54:B:ILE:HB	1:49:B:LYS:HA	12	0.73
(1,1975)	1:54:A:ILE:HB	1:49:A:LYS:HA	10	0.73
(1,1966)	1:37:B:LEU:HD11	1:33:B:LEU:HA	3	0.73
(1,1966)	1:37:B:LEU:HD12	1:33:B:LEU:HA	13	0.73
(1,1965)	1:37:A:LEU:HD11	1:33:A:LEU:HA	3	0.73
(1,1965)	1:37:A:LEU:HD12	1:33:A:LEU:HA	13	0.73
(1,1882)	1:46:B:LYS:HE2	1:90:B:HIS:HA	12	0.73
(1,1804)	1:56:B:GLU:H	1:52:B:ALA:HB2	14	0.73
(1,1803)	1:56:A:GLU:H	1:52:A:ALA:HB2	14	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1793)	1:49:A:LYS:HD2	1:50:A:ASP:H	9	0.73
(1,1481)	1:3:A:LYS:H	1:6:A:GLU:HB3	12	0.73
(1,810)	1:53:B:VAL:HG12	1:45:B:ILE:HD11	19	0.73
(1,809)	1:53:A:VAL:HG12	1:45:A:ILE:HD11	19	0.73
(1,806)	1:80:B:ILE:HD11	1:61:B:LEU:HD21	11	0.73
(1,805)	1:80:A:ILE:HD11	1:61:A:LEU:HD21	11	0.73
(1,583)	1:8:A:LEU:HB2	1:82:B:LEU:HB3	1	0.73
(1,583)	1:8:A:LEU:HB2	1:82:B:LEU:HB3	10	0.73
(1,512)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	13	0.73
(1,511)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	13	0.73
(1,470)	1:36:B:LEU:HD13	1:40:B:GLU:HG3	14	0.73
(1,469)	1:36:A:LEU:HD13	1:40:A:GLU:HG3	14	0.73
(1,469)	1:36:A:LEU:HD13	1:40:A:GLU:HG3	16	0.73
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD22	9	0.72
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD22	9	0.72
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HG21	17	0.72
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HG21	17	0.72
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG21	12	0.72
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG21	12	0.72
(1,3725)	1:41:A:LEU:H	1:48:A:ILE:HG13	11	0.72
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB1	8	0.72
(1,3576)	1:53:B:VAL:H	1:51:B:LYS:HB3	3	0.72
(1,3575)	1:53:A:VAL:H	1:51:A:LYS:HB3	3	0.72
(1,3518)	1:10:B:GLY:H	1:11:B:ILE:HB	20	0.72
(1,3479)	1:85:A:ALA:H	1:12:B:VAL:HB	3	0.72
(1,3447)	1:89:A:THR:H	1:83:A:LYS:HE2	13	0.72
(1,3430)	1:56:B:GLU:H	1:51:B:LYS:HE2	18	0.72
(1,3230)	1:75:B:ILE:HD11	1:78:A:VAL:HG11	5	0.72
(1,3229)	1:75:A:ILE:HD11	1:78:B:VAL:HG11	5	0.72
(1,3219)	1:30:A:LYS:HG3	1:62:A:ASP:HB2	4	0.72
(1,3120)	1:82:B:LEU:HA	1:12:A:VAL:HG22	13	0.72
(1,3088)	1:30:B:LYS:HD3	1:67:B:GLU:HG2	10	0.72
(1,3087)	1:30:A:LYS:HD3	1:67:A:GLU:HG2	10	0.72
(1,2988)	1:53:B:VAL:HG12	1:56:B:GLU:HG3	16	0.72
(1,2937)	1:7:A:HIS:HB2	1:82:B:LEU:HG	3	0.72
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD13	12	0.72
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD13	12	0.72
(1,2832)	1:58:B:PHE:HA	1:77:B:LEU:HB2	10	0.72
(1,2831)	1:58:A:PHE:HA	1:77:A:LEU:HB2	10	0.72
(1,2817)	1:53:A:VAL:HG11	1:46:A:LYS:HG3	18	0.72
(1,2803)	1:49:A:LYS:HG2	1:47:A:ASN:HB3	9	0.72
(1,2686)	1:91:B:LYS:HB2	1:90:B:HIS:HB3	18	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2566)	1:86:B:HIS:HB3	1:83:B:LYS:HB3	16	0.72
(1,2564)	1:87:B:TYR:HB3	1:83:B:LYS:HB2	14	0.72
(1,2402)	1:51:B:LYS:HD2	1:53:B:VAL:HB	8	0.72
(1,2401)	1:51:A:LYS:HD2	1:53:A:VAL:HB	8	0.72
(1,2278)	1:42:B:ALA:HB2	1:43:B:ASN:HB3	17	0.72
(1,2277)	1:42:A:ALA:HB2	1:43:A:ASN:HB3	17	0.72
(1,2266)	1:53:B:VAL:HG11	1:47:B:ASN:HB3	11	0.72
(1,2234)	1:89:B:THR:HG21	1:83:B:LYS:HE3	2	0.72
(1,2232)	1:8:B:LEU:HD11	1:78:A:VAL:HA	13	0.72
(1,2231)	1:8:A:LEU:HD11	1:78:B:VAL:HA	13	0.72
(1,2226)	1:82:B:LEU:HD12	1:78:A:VAL:HA	8	0.72
(1,2226)	1:82:B:LEU:HD13	1:78:A:VAL:HA	15	0.72
(1,2226)	1:82:B:LEU:HD13	1:78:A:VAL:HA	16	0.72
(1,2225)	1:82:A:LEU:HD12	1:78:B:VAL:HA	8	0.72
(1,2180)	1:13:B:ASN:HB2	1:16:B:HIS:HB3	5	0.72
(1,2179)	1:13:A:ASN:HB2	1:16:A:HIS:HB3	5	0.72
(1,2170)	1:86:B:HIS:HA	1:88:B:HIS:HB3	9	0.72
(1,2170)	1:86:B:HIS:HA	1:88:B:HIS:HB3	12	0.72
(1,2169)	1:86:A:HIS:HA	1:88:A:HIS:HB3	9	0.72
(1,2169)	1:86:A:HIS:HA	1:88:A:HIS:HB3	12	0.72
(1,2164)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	12	0.72
(1,2158)	1:82:B:LEU:HG	1:7:A:HIS:HB2	3	0.72
(1,2088)	1:74:B:PHE:HA	1:76:B:SER:HB3	9	0.72
(1,2087)	1:74:A:PHE:HA	1:76:A:SER:HB3	9	0.72
(1,2082)	1:78:B:VAL:HG21	1:74:B:PHE:HA	16	0.72
(1,2081)	1:78:A:VAL:HG23	1:74:A:PHE:HA	19	0.72
(1,2072)	1:74:B:PHE:HA	1:76:B:SER:HB3	9	0.72
(1,2071)	1:74:A:PHE:HA	1:76:A:SER:HB3	9	0.72
(1,2067)	1:48:A:ILE:HA	1:51:A:LYS:HA	20	0.72
(1,2000)	1:74:B:PHE:HA	1:76:B:SER:HB2	11	0.72
(1,1999)	1:74:A:PHE:HA	1:76:A:SER:HB2	11	0.72
(1,1976)	1:54:B:ILE:HB	1:49:B:LYS:HA	13	0.72
(1,1975)	1:54:A:ILE:HB	1:49:A:LYS:HA	7	0.72
(1,1975)	1:54:A:ILE:HB	1:49:A:LYS:HA	12	0.72
(1,1975)	1:54:A:ILE:HB	1:49:A:LYS:HA	13	0.72
(1,1966)	1:37:B:LEU:HD12	1:33:B:LEU:HA	4	0.72
(1,1966)	1:37:B:LEU:HD13	1:33:B:LEU:HA	17	0.72
(1,1966)	1:37:B:LEU:HD13	1:33:B:LEU:HA	19	0.72
(1,1965)	1:37:A:LEU:HD12	1:33:A:LEU:HA	4	0.72
(1,1965)	1:37:A:LEU:HD13	1:33:A:LEU:HA	17	0.72
(1,1965)	1:37:A:LEU:HD13	1:33:A:LEU:HA	19	0.72
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG11	17	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1482)	1:3:B:LYS:H	1:6:B:GLU:HB3	12	0.72
(1,854)	1:78:B:VAL:HG12	1:45:B:ILE:HD13	9	0.72
(1,853)	1:78:A:VAL:HG12	1:45:A:ILE:HD13	9	0.72
(1,824)	1:75:B:ILE:HG13	1:75:B:ILE:HG22	6	0.72
(1,824)	1:75:B:ILE:HG13	1:75:B:ILE:HG23	11	0.72
(1,824)	1:75:B:ILE:HG13	1:75:B:ILE:HG23	15	0.72
(1,824)	1:75:B:ILE:HG13	1:75:B:ILE:HG23	16	0.72
(1,824)	1:75:B:ILE:HG13	1:75:B:ILE:HG23	17	0.72
(1,824)	1:75:B:ILE:HG13	1:75:B:ILE:HG22	19	0.72
(1,824)	1:75:B:ILE:HG13	1:75:B:ILE:HG22	20	0.72
(1,823)	1:75:A:ILE:HG13	1:75:A:ILE:HG22	6	0.72
(1,823)	1:75:A:ILE:HG13	1:75:A:ILE:HG23	11	0.72
(1,823)	1:75:A:ILE:HG13	1:75:A:ILE:HG23	15	0.72
(1,823)	1:75:A:ILE:HG13	1:75:A:ILE:HG23	16	0.72
(1,823)	1:75:A:ILE:HG13	1:75:A:ILE:HG23	17	0.72
(1,823)	1:75:A:ILE:HG13	1:75:A:ILE:HG22	20	0.72
(1,654)	1:37:B:LEU:HB2	1:48:B:ILE:HG12	8	0.72
(1,653)	1:37:A:LEU:HB2	1:48:A:ILE:HG12	8	0.72
(1,583)	1:8:A:LEU:HB2	1:82:B:LEU:HB3	2	0.72
(1,583)	1:8:A:LEU:HB2	1:82:B:LEU:HB3	7	0.72
(1,470)	1:36:B:LEU:HD13	1:40:B:GLU:HG3	9	0.72
(1,469)	1:36:A:LEU:HD13	1:40:A:GLU:HG3	9	0.72
(1,330)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	12	0.72
(1,118)	1:37:B:LEU:HD21	1:42:B:ALA:H	15	0.72
(1,118)	1:37:B:LEU:HD21	1:42:B:ALA:H	19	0.72
(1,117)	1:37:A:LEU:HD22	1:42:A:ALA:H	5	0.72
(1,117)	1:37:A:LEU:HD21	1:42:A:ALA:H	15	0.72
(1,117)	1:37:A:LEU:HD21	1:42:A:ALA:H	19	0.72
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD23	2	0.71
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD22	5	0.71
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD23	8	0.71
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD22	5	0.71
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD23	8	0.71
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD11	2	0.71
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD11	2	0.71
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD12	14	0.71
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG22	3	0.71
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG22	3	0.71
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG21	14	0.71
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD22	4	0.71
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD22	4	0.71
(1,3738)	1:11:B:ILE:H	1:12:B:VAL:HG11	4	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3738)	1:11:B:ILE:H	1:12:B:VAL:HG12	12	0.71
(1,3737)	1:11:A:ILE:H	1:12:A:VAL:HG11	4	0.71
(1,3737)	1:11:A:ILE:H	1:12:A:VAL:HG12	12	0.71
(1,3730)	1:37:B:LEU:H	1:33:B:LEU:HD11	9	0.71
(1,3729)	1:37:A:LEU:H	1:33:A:LEU:HD11	9	0.71
(1,3726)	1:41:B:LEU:H	1:48:B:ILE:HG13	11	0.71
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD13	19	0.71
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD13	19	0.71
(1,3666)	1:76:B:SER:H	1:77:B:LEU:HB3	8	0.71
(1,3665)	1:76:A:SER:H	1:77:A:LEU:HB3	8	0.71
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB1	8	0.71
(1,3648)	1:8:B:LEU:H	1:85:A:ALA:HB2	6	0.71
(1,3576)	1:53:B:VAL:H	1:51:B:LYS:HB3	10	0.71
(1,3575)	1:53:A:VAL:H	1:51:A:LYS:HB3	10	0.71
(1,3502)	1:67:B:GLU:H	1:66:B:ASP:HB3	13	0.71
(1,3501)	1:67:A:GLU:H	1:66:A:ASP:HB3	13	0.71
(1,3448)	1:89:B:THR:H	1:83:B:LYS:HE3	11	0.71
(1,3447)	1:89:A:THR:H	1:83:A:LYS:HE3	11	0.71
(1,3429)	1:56:A:GLU:H	1:51:A:LYS:HE2	18	0.71
(1,3220)	1:30:B:LYS:HG3	1:62:B:ASP:HB2	4	0.71
(1,3177)	1:45:A:ILE:HG21	1:91:A:LYS:HE3	8	0.71
(1,3146)	1:88:B:HIS:HB3	1:12:A:VAL:HG23	10	0.71
(1,3088)	1:30:B:LYS:HD3	1:67:B:GLU:HG2	6	0.71
(1,3088)	1:30:B:LYS:HD3	1:67:B:GLU:HG3	11	0.71
(1,3087)	1:30:A:LYS:HD3	1:67:A:GLU:HG2	6	0.71
(1,3087)	1:30:A:LYS:HD3	1:67:A:GLU:HG3	11	0.71
(1,3014)	1:56:B:GLU:HA	1:57:B:ILE:HG13	11	0.71
(1,3013)	1:56:A:GLU:HA	1:57:A:ILE:HG13	11	0.71
(1,2950)	1:82:B:LEU:HG	1:80:B:ILE:HA	15	0.71
(1,2950)	1:82:B:LEU:HG	1:80:B:ILE:HA	20	0.71
(1,2949)	1:82:A:LEU:HG	1:80:A:ILE:HA	15	0.71
(1,2949)	1:82:A:LEU:HG	1:80:A:ILE:HA	20	0.71
(1,2928)	1:30:B:LYS:HA	1:54:B:ILE:HD11	8	0.71
(1,2927)	1:30:A:LYS:HA	1:54:A:ILE:HD11	8	0.71
(1,2884)	1:83:B:LYS:HG2	1:82:B:LEU:HB2	4	0.71
(1,2883)	1:83:A:LYS:HG2	1:82:A:LEU:HB2	4	0.71
(1,2882)	1:54:B:ILE:HA	1:54:B:ILE:HD11	5	0.71
(1,2881)	1:54:A:ILE:HA	1:54:A:ILE:HD11	5	0.71
(1,2832)	1:58:B:PHE:HA	1:77:B:LEU:HB2	4	0.71
(1,2832)	1:58:B:PHE:HA	1:33:B:LEU:HG	5	0.71
(1,2831)	1:58:A:PHE:HA	1:77:A:LEU:HB2	4	0.71
(1,2831)	1:58:A:PHE:HA	1:33:A:LEU:HG	5	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2818)	1:53:B:VAL:HG11	1:46:B:LYS:HG3	18	0.71
(1,2730)	1:75:B:ILE:HD11	1:91:A:LYS:HD3	15	0.71
(1,2729)	1:75:A:ILE:HD11	1:91:B:LYS:HD3	15	0.71
(1,2685)	1:91:A:LYS:HB2	1:90:A:HIS:HB3	18	0.71
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB3	7	0.71
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB3	7	0.71
(1,2616)	1:59:B:GLN:HG2	1:57:B:ILE:HB	20	0.71
(1,2615)	1:59:A:GLN:HG2	1:57:A:ILE:HB	20	0.71
(1,2565)	1:86:A:HIS:HB3	1:83:A:LYS:HB3	16	0.71
(1,2563)	1:87:A:TYR:HB3	1:83:A:LYS:HB2	14	0.71
(1,2459)	1:30:A:LYS:HD2	1:67:A:GLU:HG3	12	0.71
(1,2458)	1:37:B:LEU:HG	1:40:B:GLU:HG2	6	0.71
(1,2457)	1:37:A:LEU:HG	1:40:A:GLU:HG2	6	0.71
(1,2420)	1:67:B:GLU:HG3	1:59:B:GLN:HA	9	0.71
(1,2419)	1:67:A:GLU:HG3	1:59:A:GLN:HA	9	0.71
(1,2408)	1:52:B:ALA:HB2	1:56:B:GLU:HG2	12	0.71
(1,2343)	1:54:A:ILE:HG23	1:30:A:LYS:HE2	13	0.71
(1,2338)	1:58:B:PHE:HB2	1:59:B:GLN:HG3	7	0.71
(1,2337)	1:58:A:PHE:HB2	1:59:A:GLN:HG3	7	0.71
(1,2277)	1:63:A:ALA:HB3	1:64:A:ASN:HB3	4	0.71
(1,2233)	1:89:A:THR:HG21	1:83:A:LYS:HE3	2	0.71
(1,2226)	1:82:B:LEU:HD11	1:78:A:VAL:HA	19	0.71
(1,2225)	1:82:A:LEU:HD13	1:78:B:VAL:HA	16	0.71
(1,2225)	1:82:A:LEU:HD11	1:78:B:VAL:HA	19	0.71
(1,2197)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	5	0.71
(1,2170)	1:86:B:HIS:HA	1:88:B:HIS:HB3	1	0.71
(1,2169)	1:86:A:HIS:HA	1:88:A:HIS:HB3	1	0.71
(1,2165)	1:12:A:VAL:HG23	1:88:B:HIS:HB3	10	0.71
(1,2164)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	2	0.71
(1,2163)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	2	0.71
(1,2163)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	12	0.71
(1,2088)	1:74:B:PHE:HA	1:76:B:SER:HB3	3	0.71
(1,2088)	1:74:B:PHE:HA	1:76:B:SER:HB3	12	0.71
(1,2087)	1:74:A:PHE:HA	1:76:A:SER:HB3	3	0.71
(1,2087)	1:74:A:PHE:HA	1:76:A:SER:HB3	12	0.71
(1,2081)	1:78:A:VAL:HG21	1:74:A:PHE:HA	16	0.71
(1,2072)	1:74:B:PHE:HA	1:76:B:SER:HB3	3	0.71
(1,2072)	1:74:B:PHE:HA	1:76:B:SER:HB3	12	0.71
(1,2071)	1:74:A:PHE:HA	1:76:A:SER:HB3	3	0.71
(1,2071)	1:74:A:PHE:HA	1:76:A:SER:HB3	12	0.71
(1,2068)	1:48:B:ILE:HA	1:51:B:LYS:HA	4	0.71
(1,2068)	1:48:B:ILE:HA	1:51:B:LYS:HA	20	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1942)	1:30:B:LYS:HD3	1:52:B:ALA:HA	20	0.71
(1,1941)	1:30:A:LYS:HD3	1:52:A:ALA:HA	20	0.71
(1,1894)	1:91:B:LYS:HG3	1:88:B:HIS:HA	8	0.71
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG12	4	0.71
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG13	5	0.71
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG12	4	0.71
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG13	5	0.71
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG11	17	0.71
(1,824)	1:75:B:ILE:HG13	1:75:B:ILE:HG22	2	0.71
(1,824)	1:75:B:ILE:HG13	1:75:B:ILE:HG23	4	0.71
(1,823)	1:75:A:ILE:HG13	1:75:A:ILE:HG22	2	0.71
(1,823)	1:75:A:ILE:HG13	1:75:A:ILE:HG23	4	0.71
(1,823)	1:75:A:ILE:HG13	1:75:A:ILE:HG21	10	0.71
(1,823)	1:75:A:ILE:HG13	1:75:A:ILE:HG22	12	0.71
(1,823)	1:75:A:ILE:HG13	1:75:A:ILE:HG22	19	0.71
(1,806)	1:80:B:ILE:HD11	1:61:B:LEU:HD22	3	0.71
(1,806)	1:80:B:ILE:HD13	1:61:B:LEU:HD21	6	0.71
(1,805)	1:80:A:ILE:HD11	1:61:A:LEU:HD22	3	0.71
(1,805)	1:80:A:ILE:HD13	1:61:A:LEU:HD21	6	0.71
(1,584)	1:8:B:LEU:HB2	1:82:A:LEU:HB3	2	0.71
(1,554)	1:75:B:ILE:HD11	1:91:A:LYS:HD3	15	0.71
(1,553)	1:75:A:ILE:HD11	1:91:B:LYS:HD3	15	0.71
(1,470)	1:36:B:LEU:HD12	1:40:B:GLU:HG3	10	0.71
(1,470)	1:36:B:LEU:HD13	1:40:B:GLU:HG3	17	0.71
(1,469)	1:36:A:LEU:HD13	1:40:A:GLU:HG3	4	0.71
(1,469)	1:36:A:LEU:HD13	1:40:A:GLU:HG3	17	0.71
(1,330)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	2	0.71
(1,329)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	2	0.71
(1,329)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	12	0.71
(1,318)	1:37:B:LEU:HD11	1:30:B:LYS:HA	11	0.71
(1,317)	1:37:A:LEU:HD11	1:30:A:LYS:HA	11	0.71
(1,118)	1:37:B:LEU:HD22	1:42:B:ALA:H	5	0.71
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD22	15	0.7
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD23	2	0.7
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD12	14	0.7
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG22	20	0.7
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG21	7	0.7
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG21	14	0.7
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD13	5	0.7
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD13	5	0.7
(1,3647)	1:8:A:LEU:H	1:85:B:ALA:HB2	6	0.7
(1,3602)	1:57:B:ILE:H	1:54:B:ILE:HG13	9	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3602)	1:57:B:ILE:H	1:54:B:ILE:HG13	11	0.7
(1,3601)	1:57:A:ILE:H	1:54:A:ILE:HG13	6	0.7
(1,3601)	1:57:A:ILE:H	1:54:A:ILE:HG13	9	0.7
(1,3601)	1:57:A:ILE:H	1:54:A:ILE:HG13	11	0.7
(1,3576)	1:53:B:VAL:H	1:51:B:LYS:HB3	6	0.7
(1,3575)	1:53:A:VAL:H	1:51:A:LYS:HB3	6	0.7
(1,3513)	1:87:A:TYR:H	1:71:B:PHE:HB2	18	0.7
(1,3506)	1:18:B:TYR:H	1:35:B:GLN:HB3	15	0.7
(1,3505)	1:18:A:TYR:H	1:35:A:GLN:HB3	15	0.7
(1,3478)	1:70:B:ASP:H	1:71:B:PHE:HB2	20	0.7
(1,3477)	1:70:A:ASP:H	1:71:A:PHE:HB2	20	0.7
(1,3178)	1:45:B:ILE:HG21	1:91:B:LYS:HE3	8	0.7
(1,3119)	1:82:A:LEU:HA	1:12:B:VAL:HG22	13	0.7
(1,3026)	1:49:B:LYS:HB2	1:53:B:VAL:HG12	4	0.7
(1,2950)	1:82:B:LEU:HG	1:80:B:ILE:HA	19	0.7
(1,2949)	1:82:A:LEU:HG	1:80:A:ILE:HA	19	0.7
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD11	17	0.7
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD11	17	0.7
(1,2832)	1:58:B:PHE:HA	1:77:B:LEU:HB2	19	0.7
(1,2831)	1:58:A:PHE:HA	1:77:A:LEU:HB2	19	0.7
(1,2818)	1:53:B:VAL:HG11	1:46:B:LYS:HG3	10	0.7
(1,2706)	1:45:B:ILE:HB	1:49:B:LYS:HD3	10	0.7
(1,2681)	1:83:A:LYS:HB2	1:91:A:LYS:HD3	14	0.7
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB3	9	0.7
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB3	9	0.7
(1,2650)	1:34:B:LYS:HB3	1:32:B:GLU:HB3	12	0.7
(1,2650)	1:34:B:LYS:HB3	1:32:B:GLU:HB3	17	0.7
(1,2649)	1:34:A:LYS:HB3	1:32:A:GLU:HB3	17	0.7
(1,2648)	1:67:B:GLU:HG3	1:68:B:GLN:HB2	11	0.7
(1,2647)	1:67:A:GLU:HG3	1:68:A:GLN:HB2	11	0.7
(1,2460)	1:30:B:LYS:HD2	1:67:B:GLU:HG3	12	0.7
(1,2407)	1:52:A:ALA:HB2	1:56:A:GLU:HG2	12	0.7
(1,2401)	1:51:A:LYS:HD2	1:53:A:VAL:HB	14	0.7
(1,2373)	1:71:A:PHE:HB3	1:74:A:PHE:HA	9	0.7
(1,2344)	1:54:B:ILE:HG21	1:30:B:LYS:HE2	9	0.7
(1,2344)	1:54:B:ILE:HG23	1:30:B:LYS:HE2	13	0.7
(1,2343)	1:54:A:ILE:HG21	1:30:A:LYS:HE2	9	0.7
(1,2342)	1:30:B:LYS:HB3	1:30:B:LYS:HE2	14	0.7
(1,2341)	1:30:A:LYS:HB3	1:30:A:LYS:HE2	14	0.7
(1,2332)	1:86:B:HIS:HB3	1:83:B:LYS:HE2	8	0.7
(1,2331)	1:86:A:HIS:HB3	1:83:A:LYS:HE2	8	0.7
(1,2278)	1:63:B:ALA:HB3	1:64:B:ASN:HB3	4	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2232)	1:8:B:LEU:HD11	1:78:A:VAL:HA	11	0.7
(1,2232)	1:8:B:LEU:HD13	1:78:A:VAL:HA	12	0.7
(1,2231)	1:8:A:LEU:HD11	1:78:B:VAL:HA	11	0.7
(1,2231)	1:8:A:LEU:HD11	1:78:B:VAL:HA	20	0.7
(1,2198)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	5	0.7
(1,2130)	1:73:B:GLU:HA	1:72:B:GLN:HA	11	0.7
(1,2129)	1:59:A:GLN:HA	1:58:A:PHE:HA	11	0.7
(1,2108)	1:61:B:LEU:HD22	1:60:B:GLY:HA3	9	0.7
(1,2107)	1:61:A:LEU:HD22	1:60:A:GLY:HA3	9	0.7
(1,2107)	1:61:A:LEU:HD23	1:60:A:GLY:HA3	12	0.7
(1,2072)	1:74:B:PHE:HA	1:76:B:SER:HB3	17	0.7
(1,2071)	1:74:A:PHE:HA	1:76:A:SER:HB3	17	0.7
(1,2067)	1:48:A:ILE:HA	1:51:A:LYS:HA	4	0.7
(1,1966)	1:37:B:LEU:HD12	1:33:B:LEU:HA	5	0.7
(1,1966)	1:37:B:LEU:HD13	1:33:B:LEU:HA	15	0.7
(1,1965)	1:37:A:LEU:HD12	1:33:A:LEU:HA	5	0.7
(1,1965)	1:37:A:LEU:HD13	1:33:A:LEU:HA	14	0.7
(1,1965)	1:37:A:LEU:HD13	1:33:A:LEU:HA	15	0.7
(1,1942)	1:30:B:LYS:HD3	1:52:B:ALA:HA	16	0.7
(1,1941)	1:30:A:LYS:HD3	1:52:A:ALA:HA	16	0.7
(1,1893)	1:91:A:LYS:HG3	1:88:A:HIS:HA	8	0.7
(1,1803)	1:85:A:ALA:HB3	1:12:B:VAL:H	8	0.7
(1,824)	1:75:B:ILE:HG13	1:75:B:ILE:HG21	10	0.7
(1,824)	1:75:B:ILE:HG13	1:75:B:ILE:HG22	12	0.7
(1,824)	1:75:B:ILE:HG13	1:75:B:ILE:HG22	14	0.7
(1,823)	1:75:A:ILE:HG13	1:75:A:ILE:HG23	7	0.7
(1,823)	1:75:A:ILE:HG13	1:75:A:ILE:HG22	14	0.7
(1,584)	1:8:B:LEU:HB2	1:82:A:LEU:HB3	10	0.7
(1,470)	1:36:B:LEU:HD13	1:40:B:GLU:HG3	4	0.7
(1,469)	1:36:A:LEU:HD12	1:40:A:GLU:HG3	10	0.7
(1,118)	1:37:B:LEU:HD22	1:42:B:ALA:H	4	0.7
(1,117)	1:37:A:LEU:HD22	1:42:A:ALA:H	4	0.7
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD22	15	0.69
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG22	20	0.69
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG21	4	0.69
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG21	4	0.69
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG21	9	0.69
(1,3705)	1:12:A:VAL:H	1:82:B:LEU:HG	17	0.69
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB2	11	0.69
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB2	13	0.69
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB2	13	0.69
(1,3602)	1:57:B:ILE:H	1:54:B:ILE:HG13	6	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3572)	1:36:B:LEU:H	1:37:B:LEU:HG	4	0.69
(1,3571)	1:36:A:LEU:H	1:37:A:LEU:HG	4	0.69
(1,3514)	1:87:B:TYR:H	1:71:A:PHE:HB2	18	0.69
(1,3514)	1:83:B:LYS:H	1:8:A:LEU:HB3	19	0.69
(1,3513)	1:87:A:TYR:H	1:71:B:PHE:HB2	10	0.69
(1,3478)	1:70:B:ASP:H	1:72:B:GLN:HG2	17	0.69
(1,3477)	1:70:A:ASP:H	1:72:A:GLN:HG2	17	0.69
(1,3245)	1:46:A:LYS:H	1:90:A:HIS:H	14	0.69
(1,3104)	1:30:B:LYS:HG2	1:30:B:LYS:HD3	1	0.69
(1,3103)	1:30:A:LYS:HG2	1:30:A:LYS:HD3	1	0.69
(1,3074)	1:59:B:GLN:HA	1:61:B:LEU:HD11	19	0.69
(1,3073)	1:59:A:GLN:HA	1:61:A:LEU:HD11	19	0.69
(1,3025)	1:49:A:LYS:HB2	1:53:A:VAL:HG12	4	0.69
(1,2988)	1:53:B:VAL:HG13	1:56:B:GLU:HG3	15	0.69
(1,2972)	1:81:B:ALA:HB2	1:44:B:THR:HG22	5	0.69
(1,2972)	1:81:B:ALA:HB3	1:44:B:THR:HG22	14	0.69
(1,2971)	1:81:A:ALA:HB2	1:44:A:THR:HG22	5	0.69
(1,2971)	1:81:A:ALA:HB3	1:44:A:THR:HG22	14	0.69
(1,2950)	1:82:B:LEU:HG	1:80:B:ILE:HA	5	0.69
(1,2949)	1:82:A:LEU:HG	1:80:A:ILE:HA	5	0.69
(1,2914)	1:45:B:ILE:HG13	1:42:B:ALA:HA	15	0.69
(1,2913)	1:45:A:ILE:HG13	1:42:A:ALA:HA	15	0.69
(1,2817)	1:53:A:VAL:HG11	1:46:A:LYS:HG3	10	0.69
(1,2705)	1:45:A:ILE:HB	1:49:A:LYS:HD3	10	0.69
(1,2696)	1:61:B:LEU:HB2	1:57:B:ILE:HA	9	0.69
(1,2695)	1:61:A:LEU:HB2	1:57:A:ILE:HA	9	0.69
(1,2694)	1:61:B:LEU:HB2	1:57:B:ILE:HA	9	0.69
(1,2693)	1:61:A:LEU:HB2	1:57:A:ILE:HA	9	0.69
(1,2682)	1:83:B:LYS:HB2	1:91:B:LYS:HD3	14	0.69
(1,2649)	1:34:A:LYS:HB3	1:32:A:GLU:HB3	12	0.69
(1,2611)	1:83:A:LYS:HB2	1:83:A:LYS:HE2	14	0.69
(1,2566)	1:86:B:HIS:HB3	1:83:B:LYS:HB3	11	0.69
(1,2564)	1:13:B:ASN:HB2	1:9:B:GLU:HB3	16	0.69
(1,2519)	1:7:A:HIS:HB2	1:6:A:GLU:HB3	11	0.69
(1,2407)	1:52:A:ALA:HB2	1:56:A:GLU:HG2	6	0.69
(1,2402)	1:51:B:LYS:HD2	1:53:B:VAL:HB	14	0.69
(1,2374)	1:71:B:PHE:HB3	1:74:B:PHE:HA	9	0.69
(1,2331)	1:86:A:HIS:HB3	1:83:A:LYS:HE2	17	0.69
(1,2330)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	4	0.69
(1,2278)	1:42:B:ALA:HB2	1:43:B:ASN:HB3	13	0.69
(1,2277)	1:42:A:ALA:HB2	1:43:A:ASN:HB3	13	0.69
(1,2232)	1:8:B:LEU:HD11	1:78:A:VAL:HA	20	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2231)	1:8:A:LEU:HD13	1:78:B:VAL:HA	3	0.69
(1,2231)	1:8:A:LEU:HD13	1:78:B:VAL:HA	12	0.69
(1,2164)	1:51:B:LYS:HE2	1:58:B:PHE:HB2	19	0.69
(1,2108)	1:61:B:LEU:HD23	1:60:B:GLY:HA3	12	0.69
(1,2087)	1:74:A:PHE:HA	1:76:A:SER:HB3	6	0.69
(1,2082)	1:78:B:VAL:HG23	1:74:B:PHE:HA	18	0.69
(1,2072)	1:74:B:PHE:HA	1:76:B:SER:HB3	15	0.69
(1,2071)	1:74:A:PHE:HA	1:76:A:SER:HB3	6	0.69
(1,2068)	1:48:B:ILE:HA	1:51:B:LYS:HA	12	0.69
(1,2067)	1:48:A:ILE:HA	1:51:A:LYS:HA	12	0.69
(1,2000)	1:74:B:PHE:HA	1:77:B:LEU:HA	17	0.69
(1,2000)	1:74:B:PHE:HA	1:76:B:SER:HB2	19	0.69
(1,1999)	1:74:A:PHE:HA	1:77:A:LEU:HA	17	0.69
(1,1999)	1:74:A:PHE:HA	1:76:A:SER:HB2	19	0.69
(1,1988)	1:30:B:LYS:HD2	1:29:B:SER:HB3	4	0.69
(1,1987)	1:30:A:LYS:HD2	1:29:A:SER:HB3	4	0.69
(1,1975)	1:54:A:ILE:HB	1:49:A:LYS:HA	17	0.69
(1,1966)	1:37:B:LEU:HD12	1:33:B:LEU:HA	11	0.69
(1,1966)	1:37:B:LEU:HD13	1:33:B:LEU:HA	14	0.69
(1,1966)	1:37:B:LEU:HD12	1:33:B:LEU:HA	18	0.69
(1,1966)	1:37:B:LEU:HD11	1:33:B:LEU:HA	20	0.69
(1,1965)	1:37:A:LEU:HD12	1:33:A:LEU:HA	11	0.69
(1,1965)	1:37:A:LEU:HD12	1:33:A:LEU:HA	18	0.69
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG22	17	0.69
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG22	17	0.69
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG12	8	0.69
(1,824)	1:75:B:ILE:HG13	1:75:B:ILE:HG21	1	0.69
(1,824)	1:75:B:ILE:HG13	1:75:B:ILE:HG23	3	0.69
(1,824)	1:75:B:ILE:HG13	1:75:B:ILE:HG23	7	0.69
(1,824)	1:75:B:ILE:HG13	1:75:B:ILE:HG21	8	0.69
(1,824)	1:75:B:ILE:HG13	1:75:B:ILE:HG21	13	0.69
(1,823)	1:75:A:ILE:HG13	1:75:A:ILE:HG21	1	0.69
(1,823)	1:75:A:ILE:HG13	1:75:A:ILE:HG23	3	0.69
(1,823)	1:75:A:ILE:HG13	1:75:A:ILE:HG21	8	0.69
(1,823)	1:75:A:ILE:HG13	1:75:A:ILE:HG21	13	0.69
(1,810)	1:53:B:VAL:HG11	1:45:B:ILE:HD13	5	0.69
(1,809)	1:53:A:VAL:HG11	1:45:A:ILE:HD13	5	0.69
(1,584)	1:8:B:LEU:HB2	1:82:A:LEU:HB3	7	0.69
(1,583)	1:8:A:LEU:HB2	1:82:B:LEU:HB3	17	0.69
(1,390)	1:59:B:GLN:HG3	1:55:B:ASP:HB3	10	0.69
(1,389)	1:59:A:GLN:HG3	1:55:A:ASP:HB3	10	0.69
(1,330)	1:51:B:LYS:HE2	1:58:B:PHE:HB2	19	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:8:B:LEU:HD11	1:42:A:ALA:H	7	0.69
(1,120)	1:8:B:LEU:HD12	1:42:A:ALA:H	17	0.69
(1,119)	1:8:A:LEU:HD12	1:42:B:ALA:H	17	0.69
(1,118)	1:37:B:LEU:HD21	1:42:B:ALA:H	17	0.69
(1,117)	1:37:A:LEU:HD21	1:42:A:ALA:H	17	0.69
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG23	6	0.68
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG23	6	0.68
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG23	6	0.68
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG21	9	0.68
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG23	6	0.68
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG21	7	0.68
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG23	12	0.68
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG23	15	0.68
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG23	12	0.68
(1,3738)	1:11:B:ILE:H	1:12:B:VAL:HG12	7	0.68
(1,3737)	1:11:A:ILE:H	1:12:A:VAL:HG12	7	0.68
(1,3706)	1:12:B:VAL:H	1:82:A:LEU:HG	17	0.68
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD12	3	0.68
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD12	16	0.68
(1,3650)	1:44:B:THR:H	1:84:B:ALA:HB3	12	0.68
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB2	11	0.68
(1,3649)	1:44:A:THR:H	1:84:A:ALA:HB3	12	0.68
(1,3602)	1:57:B:ILE:H	1:54:B:ILE:HG13	14	0.68
(1,3601)	1:57:A:ILE:H	1:54:A:ILE:HG13	14	0.68
(1,3601)	1:57:A:ILE:H	1:54:A:ILE:HG13	15	0.68
(1,3538)	1:75:B:ILE:H	1:73:B:GLU:HB2	5	0.68
(1,3537)	1:75:A:ILE:H	1:73:A:GLU:HB2	5	0.68
(1,3418)	1:10:B:GLY:H	1:7:B:HIS:HB2	1	0.68
(1,3417)	1:10:A:GLY:H	1:7:A:HIS:HB2	1	0.68
(1,3246)	1:46:B:LYS:H	1:90:B:HIS:H	14	0.68
(1,3220)	1:30:B:LYS:HG3	1:62:B:ASP:HB2	18	0.68
(1,3219)	1:30:A:LYS:HG3	1:62:A:ASP:HB2	18	0.68
(1,3116)	1:8:B:LEU:HG	1:6:B:GLU:HA	17	0.68
(1,3114)	1:8:B:LEU:HG	1:6:B:GLU:HA	17	0.68
(1,2988)	1:53:B:VAL:HG11	1:56:B:GLU:HG3	19	0.68
(1,2987)	1:53:A:VAL:HG13	1:56:A:GLU:HG3	5	0.68
(1,2987)	1:53:A:VAL:HG11	1:56:A:GLU:HG3	19	0.68
(1,2972)	1:81:B:ALA:HB3	1:45:B:ILE:HG13	13	0.68
(1,2971)	1:81:A:ALA:HB3	1:45:A:ILE:HG13	13	0.68
(1,2940)	1:51:B:LYS:HD2	1:54:B:ILE:HD13	20	0.68
(1,2939)	1:51:A:LYS:HD2	1:54:A:ILE:HD13	20	0.68
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD13	10	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD13	10	0.68
(1,2832)	1:58:B:PHE:HA	1:33:B:LEU:HG	7	0.68
(1,2832)	1:58:B:PHE:HA	1:33:B:LEU:HG	13	0.68
(1,2831)	1:58:A:PHE:HA	1:33:A:LEU:HG	7	0.68
(1,2831)	1:58:A:PHE:HA	1:33:A:LEU:HG	13	0.68
(1,2818)	1:53:B:VAL:HG13	1:46:B:LYS:HG3	8	0.68
(1,2817)	1:53:A:VAL:HG13	1:46:A:LYS:HG3	17	0.68
(1,2788)	1:72:B:GLN:HA	1:75:B:ILE:HG12	1	0.68
(1,2787)	1:72:A:GLN:HA	1:75:A:ILE:HG12	1	0.68
(1,2730)	1:75:B:ILE:HD11	1:91:A:LYS:HD3	5	0.68
(1,2729)	1:75:A:ILE:HD11	1:91:B:LYS:HD3	5	0.68
(1,2729)	1:75:A:ILE:HD13	1:91:B:LYS:HD3	13	0.68
(1,2696)	1:57:B:ILE:HA	1:91:B:LYS:HD3	18	0.68
(1,2695)	1:57:A:ILE:HA	1:91:A:LYS:HD3	18	0.68
(1,2694)	1:57:B:ILE:HA	1:91:B:LYS:HD3	18	0.68
(1,2693)	1:57:A:ILE:HA	1:91:A:LYS:HD3	18	0.68
(1,2664)	1:8:B:LEU:HD11	1:41:A:LEU:HB3	8	0.68
(1,2654)	1:59:B:GLN:HB2	1:57:B:ILE:HB	8	0.68
(1,2653)	1:59:A:GLN:HB2	1:57:A:ILE:HB	8	0.68
(1,2642)	1:33:B:LEU:HB3	1:37:B:LEU:HG	18	0.68
(1,2641)	1:33:A:LEU:HB3	1:37:A:LEU:HG	18	0.68
(1,2616)	1:59:B:GLN:HG3	1:57:B:ILE:HB	7	0.68
(1,2615)	1:59:A:GLN:HG3	1:57:A:ILE:HB	7	0.68
(1,2612)	1:83:B:LYS:HB2	1:83:B:LYS:HE2	14	0.68
(1,2565)	1:86:A:HIS:HB3	1:83:A:LYS:HB3	11	0.68
(1,2563)	1:13:A:ASN:HB2	1:9:A:GLU:HB3	16	0.68
(1,2520)	1:7:B:HIS:HB2	1:6:B:GLU:HB3	2	0.68
(1,2520)	1:7:B:HIS:HB2	1:6:B:GLU:HB3	11	0.68
(1,2519)	1:7:A:HIS:HB2	1:6:A:GLU:HB3	2	0.68
(1,2510)	1:83:B:LYS:HE3	1:72:A:GLN:HB3	9	0.68
(1,2476)	1:33:B:LEU:HB2	1:32:B:GLU:HG3	4	0.68
(1,2408)	1:52:B:ALA:HB3	1:56:B:GLU:HG2	1	0.68
(1,2408)	1:52:B:ALA:HB2	1:56:B:GLU:HG2	6	0.68
(1,2408)	1:52:B:ALA:HB3	1:56:B:GLU:HG2	17	0.68
(1,2407)	1:52:A:ALA:HB3	1:56:A:GLU:HG2	1	0.68
(1,2407)	1:52:A:ALA:HB3	1:56:A:GLU:HG2	17	0.68
(1,2343)	1:54:A:ILE:HG23	1:30:A:LYS:HE3	1	0.68
(1,2332)	1:86:B:HIS:HB3	1:83:B:LYS:HE2	17	0.68
(1,2329)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	4	0.68
(1,2278)	1:63:B:ALA:HB3	1:64:B:ASN:HB3	19	0.68
(1,2277)	1:63:A:ALA:HB3	1:64:A:ASN:HB3	19	0.68
(1,2232)	1:8:B:LEU:HD13	1:78:A:VAL:HA	3	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2163)	1:51:A:LYS:HE2	1:58:A:PHE:HB2	19	0.68
(1,2129)	1:73:A:GLU:HA	1:72:A:GLN:HA	9	0.68
(1,2088)	1:74:B:PHE:HA	1:76:B:SER:HB3	6	0.68
(1,2081)	1:78:A:VAL:HG23	1:74:A:PHE:HA	18	0.68
(1,2072)	1:74:B:PHE:HA	1:76:B:SER:HB3	6	0.68
(1,2071)	1:74:A:PHE:HA	1:76:A:SER:HB3	15	0.68
(1,1988)	1:30:B:LYS:HD2	1:29:B:SER:HB3	12	0.68
(1,1987)	1:30:A:LYS:HD2	1:29:A:SER:HB3	12	0.68
(1,1976)	1:54:B:ILE:HB	1:49:B:LYS:HA	14	0.68
(1,1976)	1:54:B:ILE:HB	1:49:B:LYS:HA	17	0.68
(1,1975)	1:54:A:ILE:HB	1:49:A:LYS:HA	14	0.68
(1,1966)	1:37:B:LEU:HD11	1:33:B:LEU:HA	9	0.68
(1,1965)	1:37:A:LEU:HD11	1:33:A:LEU:HA	9	0.68
(1,1965)	1:37:A:LEU:HD11	1:33:A:LEU:HA	20	0.68
(1,1900)	1:44:B:THR:HG22	1:88:B:HIS:HA	15	0.68
(1,1900)	1:44:B:THR:HG22	1:88:B:HIS:HA	19	0.68
(1,1899)	1:44:A:THR:HG22	1:88:A:HIS:HA	15	0.68
(1,1899)	1:44:A:THR:HG22	1:88:A:HIS:HA	19	0.68
(1,1804)	1:85:B:ALA:HB3	1:12:A:VAL:H	8	0.68
(1,1803)	1:56:A:GLU:H	1:52:A:ALA:HB3	10	0.68
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG12	8	0.68
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG13	7	0.68
(1,1458)	1:40:B:GLU:H	1:40:B:GLU:HG3	12	0.68
(1,1457)	1:40:A:GLU:H	1:40:A:GLU:HG3	12	0.68
(1,854)	1:78:B:VAL:HG11	1:45:B:ILE:HD13	17	0.68
(1,853)	1:78:A:VAL:HG11	1:45:A:ILE:HD13	17	0.68
(1,810)	1:53:B:VAL:HG13	1:45:B:ILE:HD12	16	0.68
(1,809)	1:53:A:VAL:HG13	1:45:A:ILE:HD12	16	0.68
(1,654)	1:37:B:LEU:HB2	1:48:B:ILE:HG12	10	0.68
(1,653)	1:37:A:LEU:HB2	1:48:A:ILE:HG12	10	0.68
(1,584)	1:8:B:LEU:HB2	1:82:A:LEU:HB3	16	0.68
(1,584)	1:8:B:LEU:HB2	1:82:A:LEU:HB3	17	0.68
(1,554)	1:75:B:ILE:HD11	1:91:A:LYS:HD3	5	0.68
(1,553)	1:75:A:ILE:HD11	1:91:B:LYS:HD3	5	0.68
(1,553)	1:75:A:ILE:HD13	1:91:B:LYS:HD3	13	0.68
(1,511)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	10	0.68
(1,389)	1:59:A:GLN:HG3	1:55:A:ASP:HB3	16	0.68
(1,369)	1:91:A:LYS:HE2	1:90:A:HIS:HB3	12	0.68
(1,329)	1:51:A:LYS:HE2	1:58:A:PHE:HB2	19	0.68
(1,318)	1:37:B:LEU:HD12	1:30:B:LYS:HA	8	0.68
(1,317)	1:37:A:LEU:HD12	1:30:A:LYS:HA	8	0.68
(1,3802)	1:10:B:GLY:H	1:8:B:LEU:HG	7	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3801)	1:10:A:GLY:H	1:8:A:LEU:HG	7	0.67
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG23	15	0.67
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD22	7	0.67
(1,3738)	1:11:B:ILE:H	1:12:B:VAL:HG11	8	0.67
(1,3737)	1:11:A:ILE:H	1:12:A:VAL:HG11	8	0.67
(1,3706)	1:12:B:VAL:H	1:82:A:LEU:HG	3	0.67
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD11	4	0.67
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD12	16	0.67
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD12	3	0.67
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD11	4	0.67
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD11	7	0.67
(1,3602)	1:57:B:ILE:H	1:54:B:ILE:HG13	1	0.67
(1,3602)	1:57:B:ILE:H	1:54:B:ILE:HG13	15	0.67
(1,3602)	1:57:B:ILE:H	1:54:B:ILE:HG13	16	0.67
(1,3601)	1:57:A:ILE:H	1:54:A:ILE:HG13	1	0.67
(1,3601)	1:57:A:ILE:H	1:54:A:ILE:HG13	16	0.67
(1,3590)	1:90:B:HIS:H	1:91:B:LYS:HD3	17	0.67
(1,3589)	1:90:A:HIS:H	1:91:A:LYS:HD3	17	0.67
(1,3576)	1:53:B:VAL:H	1:51:B:LYS:HB3	9	0.67
(1,3575)	1:53:A:VAL:H	1:51:A:LYS:HB3	9	0.67
(1,3444)	1:41:B:LEU:H	1:49:B:LYS:HE2	7	0.67
(1,3443)	1:41:A:LEU:H	1:49:A:LYS:HE2	7	0.67
(1,3115)	1:8:A:LEU:HG	1:6:A:GLU:HA	17	0.67
(1,3113)	1:8:A:LEU:HG	1:6:A:GLU:HA	17	0.67
(1,3040)	1:53:B:VAL:HG11	1:45:B:ILE:HG13	16	0.67
(1,3035)	1:53:A:VAL:HG13	1:56:A:GLU:HG3	5	0.67
(1,2988)	1:53:B:VAL:HG13	1:56:B:GLU:HG3	5	0.67
(1,2987)	1:53:A:VAL:HG13	1:56:A:GLU:HG3	15	0.67
(1,2972)	1:81:B:ALA:HB3	1:44:B:THR:HG21	9	0.67
(1,2971)	1:81:A:ALA:HB3	1:44:A:THR:HG21	9	0.67
(1,2940)	1:51:B:LYS:HD3	1:54:B:ILE:HD12	17	0.67
(1,2939)	1:51:A:LYS:HD3	1:54:A:ILE:HD12	17	0.67
(1,2913)	1:45:A:ILE:HG13	1:42:A:ALA:HA	1	0.67
(1,2818)	1:53:B:VAL:HG13	1:46:B:LYS:HG3	17	0.67
(1,2817)	1:53:A:VAL:HG13	1:46:A:LYS:HG3	8	0.67
(1,2663)	1:8:A:LEU:HD11	1:41:B:LEU:HB3	8	0.67
(1,2641)	1:33:A:LEU:HB3	1:37:A:LEU:HG	4	0.67
(1,2560)	1:39:B:LYS:HE3	1:39:B:LYS:HB3	9	0.67
(1,2559)	1:39:A:LYS:HE3	1:39:A:LYS:HB3	9	0.67
(1,2475)	1:33:A:LEU:HB2	1:32:A:GLU:HG3	4	0.67
(1,2426)	1:67:B:GLU:HG3	1:30:B:LYS:HE2	13	0.67
(1,2344)	1:54:B:ILE:HG23	1:30:B:LYS:HE3	1	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2344)	1:54:B:ILE:HG21	1:30:B:LYS:HE2	5	0.67
(1,2343)	1:54:A:ILE:HG21	1:30:A:LYS:HE2	5	0.67
(1,2226)	1:82:B:LEU:HD11	1:78:A:VAL:HA	17	0.67
(1,2225)	1:82:A:LEU:HD11	1:78:B:VAL:HA	17	0.67
(1,2180)	1:13:B:ASN:HB2	1:16:B:HIS:HB3	20	0.67
(1,2179)	1:13:A:ASN:HB2	1:16:A:HIS:HB3	20	0.67
(1,2164)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	20	0.67
(1,2130)	1:73:B:GLU:HA	1:72:B:GLN:HA	9	0.67
(1,2130)	1:73:B:GLU:HA	1:72:B:GLN:HA	12	0.67
(1,2130)	1:59:B:GLN:HA	1:58:B:PHE:HA	13	0.67
(1,2129)	1:73:A:GLU:HA	1:72:A:GLN:HA	12	0.67
(1,2129)	1:59:A:GLN:HA	1:58:A:PHE:HA	13	0.67
(1,2088)	1:74:B:PHE:HA	1:76:B:SER:HB3	10	0.67
(1,2087)	1:74:A:PHE:HA	1:76:A:SER:HB3	10	0.67
(1,2072)	1:74:B:PHE:HA	1:76:B:SER:HB3	10	0.67
(1,2071)	1:74:A:PHE:HA	1:76:A:SER:HB3	10	0.67
(1,1975)	1:54:A:ILE:HB	1:49:A:LYS:HA	4	0.67
(1,1935)	1:83:A:LYS:HD3	1:91:A:LYS:HA	13	0.67
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG23	7	0.67
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG23	19	0.67
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG23	7	0.67
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG23	19	0.67
(1,1806)	1:57:B:ILE:HG21	1:61:B:LEU:H	18	0.67
(1,1805)	1:57:A:ILE:HG21	1:61:A:LEU:H	18	0.67
(1,1723)	1:80:A:ILE:HG22	1:8:B:LEU:HD12	8	0.67
(1,1692)	1:75:B:ILE:HG21	1:83:A:LYS:HE2	2	0.67
(1,1691)	1:75:A:ILE:HG21	1:83:B:LYS:HE2	2	0.67
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG13	7	0.67
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG13	14	0.67
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG13	14	0.67
(1,806)	1:80:B:ILE:HD11	1:61:B:LEU:HD22	2	0.67
(1,806)	1:80:B:ILE:HD11	1:61:B:LEU:HD22	5	0.67
(1,806)	1:80:B:ILE:HD11	1:61:B:LEU:HD23	7	0.67
(1,806)	1:80:B:ILE:HD12	1:61:B:LEU:HD22	8	0.67
(1,805)	1:80:A:ILE:HD11	1:61:A:LEU:HD22	2	0.67
(1,805)	1:80:A:ILE:HD11	1:61:A:LEU:HD22	5	0.67
(1,805)	1:80:A:ILE:HD11	1:61:A:LEU:HD23	7	0.67
(1,805)	1:80:A:ILE:HD12	1:61:A:LEU:HD22	8	0.67
(1,654)	1:37:B:LEU:HB2	1:48:B:ILE:HG12	9	0.67
(1,653)	1:37:A:LEU:HB2	1:48:A:ILE:HG12	9	0.67
(1,583)	1:8:A:LEU:HB2	1:82:B:LEU:HB3	16	0.67
(1,512)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	10	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,390)	1:59:B:GLN:HG3	1:55:B:ASP:HB3	16	0.67
(1,370)	1:91:B:LYS:HE2	1:90:B:HIS:HB3	12	0.67
(1,330)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	20	0.67
(1,119)	1:8:A:LEU:HD11	1:42:B:ALA:H	7	0.67
(1,118)	1:37:B:LEU:HD22	1:42:B:ALA:H	20	0.67
(1,117)	1:37:A:LEU:HD22	1:42:A:ALA:H	20	0.67
(1,3766)	1:15:B:PHE:H	1:12:B:VAL:HG21	8	0.66
(1,3765)	1:15:A:PHE:H	1:12:A:VAL:HG21	8	0.66
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG21	5	0.66
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG21	5	0.66
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD22	12	0.66
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD21	13	0.66
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD22	7	0.66
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD22	12	0.66
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD21	13	0.66
(1,3738)	1:11:B:ILE:H	1:12:B:VAL:HG12	14	0.66
(1,3738)	1:11:B:ILE:H	1:12:B:VAL:HG11	15	0.66
(1,3737)	1:11:A:ILE:H	1:12:A:VAL:HG12	14	0.66
(1,3705)	1:12:A:VAL:H	1:82:B:LEU:HG	3	0.66
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD11	1	0.66
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD11	2	0.66
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD11	7	0.66
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD11	1	0.66
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD13	17	0.66
(1,3662)	1:61:B:LEU:H	1:63:B:ALA:HB1	7	0.66
(1,3661)	1:61:A:LEU:H	1:63:A:ALA:HB1	7	0.66
(1,3616)	1:89:B:THR:H	1:91:B:LYS:HB2	1	0.66
(1,3614)	1:52:B:ALA:H	1:51:B:LYS:HD2	13	0.66
(1,3613)	1:52:A:ALA:H	1:51:A:LYS:HD2	13	0.66
(1,3608)	1:43:B:ASN:H	1:49:B:LYS:HD3	17	0.66
(1,3602)	1:57:B:ILE:H	1:54:B:ILE:HG13	17	0.66
(1,3601)	1:57:A:ILE:H	1:54:A:ILE:HG13	17	0.66
(1,3576)	1:53:B:VAL:H	1:51:B:LYS:HB3	11	0.66
(1,3576)	1:53:B:VAL:H	1:51:B:LYS:HB3	15	0.66
(1,3576)	1:53:B:VAL:H	1:51:B:LYS:HB3	17	0.66
(1,3575)	1:53:A:VAL:H	1:51:A:LYS:HB3	11	0.66
(1,3572)	1:36:B:LEU:H	1:37:B:LEU:HG	3	0.66
(1,3572)	1:36:B:LEU:H	1:37:B:LEU:HG	8	0.66
(1,3572)	1:36:B:LEU:H	1:32:B:GLU:HB2	11	0.66
(1,3571)	1:36:A:LEU:H	1:37:A:LEU:HG	3	0.66
(1,3571)	1:36:A:LEU:H	1:37:A:LEU:HG	8	0.66
(1,3571)	1:36:A:LEU:H	1:32:A:GLU:HB2	11	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3538)	1:75:B:ILE:H	1:73:B:GLU:HB2	20	0.66
(1,3537)	1:75:A:ILE:H	1:73:A:GLU:HB2	20	0.66
(1,3514)	1:87:B:TYR:H	1:71:A:PHE:HB2	3	0.66
(1,3513)	1:83:A:LYS:H	1:8:B:LEU:HB3	6	0.66
(1,3513)	1:83:A:LYS:H	1:8:B:LEU:HB3	19	0.66
(1,3448)	1:89:B:THR:H	1:83:B:LYS:HE3	16	0.66
(1,3447)	1:89:A:THR:H	1:83:A:LYS:HE3	16	0.66
(1,3104)	1:30:B:LYS:HG2	1:30:B:LYS:HD3	14	0.66
(1,3103)	1:30:A:LYS:HG2	1:30:A:LYS:HD3	14	0.66
(1,3039)	1:53:A:VAL:HG11	1:45:A:ILE:HG13	16	0.66
(1,3036)	1:53:B:VAL:HG13	1:56:B:GLU:HG3	5	0.66
(1,3014)	1:56:B:GLU:HA	1:57:B:ILE:HG13	6	0.66
(1,3013)	1:56:A:GLU:HA	1:57:A:ILE:HG13	6	0.66
(1,2972)	1:81:B:ALA:HB1	1:45:B:ILE:HG13	1	0.66
(1,2971)	1:81:A:ALA:HB1	1:45:A:ILE:HG13	1	0.66
(1,2966)	1:91:B:LYS:HG3	1:44:B:THR:HG22	10	0.66
(1,2965)	1:91:A:LYS:HG3	1:44:A:THR:HG22	10	0.66
(1,2914)	1:45:B:ILE:HG13	1:42:B:ALA:HA	1	0.66
(1,2884)	1:79:B:ALA:HB3	1:82:B:LEU:HB2	10	0.66
(1,2883)	1:79:A:ALA:HB3	1:82:A:LEU:HB2	10	0.66
(1,2832)	1:58:B:PHE:HA	1:33:B:LEU:HG	2	0.66
(1,2832)	1:58:B:PHE:HA	1:33:B:LEU:HG	9	0.66
(1,2832)	1:58:B:PHE:HA	1:77:B:LEU:HB2	18	0.66
(1,2831)	1:58:A:PHE:HA	1:33:A:LEU:HG	2	0.66
(1,2831)	1:58:A:PHE:HA	1:77:A:LEU:HB2	18	0.66
(1,2733)	1:51:A:LYS:HD3	1:31:A:GLY:HA3	8	0.66
(1,2730)	1:75:B:ILE:HD12	1:91:A:LYS:HD3	19	0.66
(1,2729)	1:75:A:ILE:HD11	1:91:B:LYS:HD3	6	0.66
(1,2729)	1:75:A:ILE:HD12	1:91:B:LYS:HD3	19	0.66
(1,2696)	1:61:B:LEU:HB2	1:57:B:ILE:HA	11	0.66
(1,2695)	1:61:A:LEU:HB2	1:57:A:ILE:HA	11	0.66
(1,2694)	1:61:B:LEU:HB2	1:57:B:ILE:HA	11	0.66
(1,2693)	1:61:A:LEU:HB2	1:57:A:ILE:HA	11	0.66
(1,2642)	1:33:B:LEU:HB3	1:37:B:LEU:HG	4	0.66
(1,2562)	1:83:B:LYS:HB2	1:83:B:LYS:HE2	14	0.66
(1,2561)	1:83:A:LYS:HB2	1:83:A:LYS:HE2	14	0.66
(1,2560)	1:39:B:LYS:HE3	1:39:B:LYS:HB3	18	0.66
(1,2559)	1:39:A:LYS:HE3	1:39:A:LYS:HB3	18	0.66
(1,2554)	1:79:B:ALA:HA	1:78:B:VAL:HB	4	0.66
(1,2553)	1:79:A:ALA:HA	1:78:A:VAL:HB	4	0.66
(1,2380)	1:53:B:VAL:HB	1:46:B:LYS:HE2	3	0.66
(1,2379)	1:53:A:VAL:HB	1:46:A:LYS:HE2	3	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2232)	1:8:B:LEU:HD13	1:78:A:VAL:HA	17	0.66
(1,2231)	1:8:A:LEU:HD13	1:78:B:VAL:HA	17	0.66
(1,2163)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	20	0.66
(1,2130)	1:59:B:GLN:HA	1:58:B:PHE:HA	4	0.66
(1,2076)	1:79:B:ALA:HA	1:79:A:ALA:HA	13	0.66
(1,2075)	1:79:A:ALA:HA	1:79:B:ALA:HA	13	0.66
(1,1976)	1:54:B:ILE:HB	1:49:B:LYS:HA	4	0.66
(1,1976)	1:54:B:ILE:HB	1:49:B:LYS:HA	8	0.66
(1,1975)	1:54:A:ILE:HB	1:49:A:LYS:HA	8	0.66
(1,1966)	1:37:B:LEU:HD12	1:33:B:LEU:HA	10	0.66
(1,1965)	1:37:A:LEU:HD12	1:33:A:LEU:HA	10	0.66
(1,1942)	1:30:B:LYS:HD3	1:52:B:ALA:HA	4	0.66
(1,1941)	1:30:A:LYS:HD3	1:52:A:ALA:HA	4	0.66
(1,1936)	1:83:B:LYS:HD3	1:91:B:LYS:HA	13	0.66
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG21	18	0.66
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG23	20	0.66
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG21	18	0.66
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG23	20	0.66
(1,1804)	1:84:B:ALA:H	1:85:B:ALA:HB1	6	0.66
(1,1710)	1:80:B:ILE:HB	1:75:A:ILE:HG23	3	0.66
(1,1709)	1:80:A:ILE:HB	1:75:B:ILE:HG23	3	0.66
(1,1704)	1:8:B:LEU:HG	1:45:A:ILE:HG13	8	0.66
(1,790)	1:30:B:LYS:HD3	1:54:B:ILE:HG23	15	0.66
(1,789)	1:30:A:LYS:HD3	1:54:A:ILE:HG23	15	0.66
(1,699)	1:37:A:LEU:HD22	1:48:A:ILE:HG13	11	0.66
(1,554)	1:75:B:ILE:HD12	1:91:A:LYS:HD3	19	0.66
(1,553)	1:75:A:ILE:HD11	1:91:B:LYS:HD3	6	0.66
(1,553)	1:75:A:ILE:HD12	1:91:B:LYS:HD3	19	0.66
(1,466)	1:36:B:LEU:HD21	1:40:B:GLU:HG3	13	0.66
(1,329)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	20	0.66
(1,296)	1:83:B:LYS:HB3	1:80:B:ILE:HA	10	0.66
(1,295)	1:83:A:LYS:HB3	1:80:A:ILE:HA	10	0.66
(2,138)	1:75:B:ILE:H	1:61:B:LEU:HB2	9	0.65
(2,137)	1:75:A:ILE:H	1:61:A:LEU:HB2	9	0.65
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD11	15	0.65
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG23	2	0.65
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD23	14	0.65
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD23	14	0.65
(1,3737)	1:11:A:ILE:H	1:12:A:VAL:HG11	13	0.65
(1,3737)	1:11:A:ILE:H	1:12:A:VAL:HG11	15	0.65
(1,3726)	1:41:B:LEU:H	1:48:B:ILE:HG13	10	0.65
(1,3725)	1:41:A:LEU:H	1:48:A:ILE:HG13	10	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3710)	1:44:B:THR:H	1:44:B:THR:HG21	5	0.65
(1,3709)	1:44:A:THR:H	1:44:A:THR:HG21	5	0.65
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD13	17	0.65
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD11	2	0.65
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB3	6	0.65
(1,3648)	1:8:B:LEU:H	1:85:A:ALA:HB2	3	0.65
(1,3647)	1:8:A:LEU:H	1:85:B:ALA:HB2	3	0.65
(1,3626)	1:38:B:THR:H	1:54:B:ILE:HG12	20	0.65
(1,3625)	1:38:A:THR:H	1:54:A:ILE:HG12	20	0.65
(1,3608)	1:43:B:ASN:H	1:49:B:LYS:HD3	11	0.65
(1,3607)	1:43:A:ASN:H	1:49:A:LYS:HD3	10	0.65
(1,3607)	1:43:A:ASN:H	1:49:A:LYS:HD3	17	0.65
(1,3580)	1:8:B:LEU:H	1:40:A:GLU:HB3	5	0.65
(1,3576)	1:53:B:VAL:H	1:51:B:LYS:HB3	1	0.65
(1,3575)	1:53:A:VAL:H	1:51:A:LYS:HB3	1	0.65
(1,3575)	1:53:A:VAL:H	1:51:A:LYS:HB3	15	0.65
(1,3575)	1:53:A:VAL:H	1:51:A:LYS:HB3	17	0.65
(1,3572)	1:36:B:LEU:H	1:37:B:LEU:HG	6	0.65
(1,3571)	1:36:A:LEU:H	1:37:A:LEU:HG	6	0.65
(1,3502)	1:67:B:GLU:H	1:66:B:ASP:HB3	14	0.65
(1,3501)	1:67:A:GLU:H	1:66:A:ASP:HB3	14	0.65
(1,3444)	1:41:B:LEU:H	1:49:B:LYS:HE2	5	0.65
(1,3443)	1:41:A:LEU:H	1:49:A:LYS:HE2	5	0.65
(1,3220)	1:30:B:LYS:HG3	1:62:B:ASP:HB2	12	0.65
(1,3219)	1:30:A:LYS:HG3	1:62:A:ASP:HB2	12	0.65
(1,3146)	1:88:B:HIS:HB3	1:12:A:VAL:HG23	14	0.65
(1,3132)	1:54:B:ILE:HG22	1:58:B:PHE:HB3	7	0.65
(1,3116)	1:8:B:LEU:HG	1:6:B:GLU:HA	10	0.65
(1,3115)	1:8:A:LEU:HG	1:6:A:GLU:HA	10	0.65
(1,3114)	1:8:B:LEU:HG	1:6:B:GLU:HA	10	0.65
(1,3113)	1:8:A:LEU:HG	1:6:A:GLU:HA	10	0.65
(1,3104)	1:30:B:LYS:HG2	1:30:B:LYS:HD3	15	0.65
(1,3103)	1:30:A:LYS:HG2	1:30:A:LYS:HD3	15	0.65
(1,3040)	1:57:B:ILE:HG12	1:45:B:ILE:HG13	5	0.65
(1,3039)	1:57:A:ILE:HG12	1:45:A:ILE:HG13	5	0.65
(1,2950)	1:82:B:LEU:HG	1:80:B:ILE:HA	9	0.65
(1,2949)	1:82:A:LEU:HG	1:80:A:ILE:HA	9	0.65
(1,2831)	1:58:A:PHE:HA	1:33:A:LEU:HG	9	0.65
(1,2734)	1:51:B:LYS:HD3	1:31:B:GLY:HA3	8	0.65
(1,2730)	1:75:B:ILE:HD11	1:91:A:LYS:HD3	6	0.65
(1,2730)	1:75:B:ILE:HD13	1:91:A:LYS:HD3	13	0.65
(1,2682)	1:83:B:LYS:HB2	1:91:B:LYS:HD3	20	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2681)	1:83:A:LYS:HB2	1:91:A:LYS:HD3	20	0.65
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB3	15	0.65
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB3	15	0.65
(1,2642)	1:33:B:LEU:HB3	1:34:B:LYS:HB3	1	0.65
(1,2641)	1:33:A:LEU:HB3	1:34:A:LYS:HB3	1	0.65
(1,2616)	1:59:B:GLN:HG2	1:57:B:ILE:HB	11	0.65
(1,2616)	1:59:B:GLN:HG2	1:57:B:ILE:HB	12	0.65
(1,2615)	1:59:A:GLN:HG2	1:57:A:ILE:HB	11	0.65
(1,2615)	1:59:A:GLN:HG2	1:57:A:ILE:HB	12	0.65
(1,2509)	1:83:A:LYS:HE3	1:72:B:GLN:HB3	9	0.65
(1,2478)	1:55:B:ASP:HB3	1:56:B:GLU:HB2	15	0.65
(1,2477)	1:55:A:ASP:HB3	1:56:A:GLU:HB2	15	0.65
(1,2477)	1:55:A:ASP:HB3	1:56:A:GLU:HB2	17	0.65
(1,2476)	1:33:B:LEU:HB2	1:32:B:GLU:HG3	18	0.65
(1,2475)	1:33:A:LEU:HB2	1:32:A:GLU:HG3	18	0.65
(1,2425)	1:67:A:GLU:HG3	1:30:A:LYS:HE2	13	0.65
(1,2408)	1:52:B:ALA:HB1	1:56:B:GLU:HG2	3	0.65
(1,2408)	1:52:B:ALA:HB2	1:56:B:GLU:HG2	13	0.65
(1,2408)	1:52:B:ALA:HB1	1:56:B:GLU:HG2	16	0.65
(1,2407)	1:52:A:ALA:HB1	1:56:A:GLU:HG2	16	0.65
(1,2368)	1:62:B:ASP:HB2	1:67:B:GLU:HB2	18	0.65
(1,2367)	1:62:A:ASP:HB2	1:67:A:GLU:HB2	18	0.65
(1,2165)	1:12:A:VAL:HG23	1:88:B:HIS:HB3	14	0.65
(1,2130)	1:73:B:GLU:HA	1:72:B:GLN:HA	14	0.65
(1,2130)	1:73:B:GLU:HA	1:72:B:GLN:HA	19	0.65
(1,2129)	1:59:A:GLN:HA	1:58:A:PHE:HA	4	0.65
(1,2129)	1:73:A:GLU:HA	1:72:A:GLN:HA	14	0.65
(1,2129)	1:73:A:GLU:HA	1:72:A:GLN:HA	19	0.65
(1,2082)	1:78:B:VAL:HG21	1:74:B:PHE:HA	2	0.65
(1,2081)	1:78:A:VAL:HG21	1:74:A:PHE:HA	2	0.65
(1,2076)	1:79:B:ALA:HA	1:76:B:SER:HB3	20	0.65
(1,2075)	1:79:A:ALA:HA	1:76:A:SER:HB3	20	0.65
(1,2000)	1:74:B:PHE:HA	1:76:B:SER:HB2	8	0.65
(1,2000)	1:74:B:PHE:HA	1:77:B:LEU:HA	20	0.65
(1,1999)	1:74:A:PHE:HA	1:76:A:SER:HB2	8	0.65
(1,1999)	1:74:A:PHE:HA	1:76:A:SER:HB2	13	0.65
(1,1999)	1:74:A:PHE:HA	1:77:A:LEU:HA	20	0.65
(1,1966)	1:37:B:LEU:HD11	1:33:B:LEU:HA	1	0.65
(1,1966)	1:37:B:LEU:HD12	1:33:B:LEU:HA	2	0.65
(1,1965)	1:37:A:LEU:HD11	1:33:A:LEU:HA	1	0.65
(1,1965)	1:37:A:LEU:HD12	1:33:A:LEU:HA	2	0.65
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG21	6	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG23	10	0.65
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG21	16	0.65
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG21	6	0.65
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG23	10	0.65
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG21	16	0.65
(1,1806)	1:57:B:ILE:HG23	1:61:B:LEU:H	6	0.65
(1,1804)	1:84:B:ALA:H	1:85:B:ALA:HB2	2	0.65
(1,1803)	1:84:A:ALA:H	1:85:A:ALA:HB2	2	0.65
(1,1803)	1:84:A:ALA:H	1:85:A:ALA:HB1	6	0.65
(1,1724)	1:80:B:ILE:HG22	1:8:A:LEU:HD12	8	0.65
(1,1703)	1:8:A:LEU:HG	1:45:B:ILE:HG13	8	0.65
(1,700)	1:37:B:LEU:HD22	1:48:B:ILE:HG13	11	0.65
(1,584)	1:8:B:LEU:HB2	1:82:A:LEU:HB3	5	0.65
(1,583)	1:8:A:LEU:HB2	1:82:B:LEU:HB3	5	0.65
(1,554)	1:75:B:ILE:HD11	1:91:A:LYS:HD3	6	0.65
(1,554)	1:75:B:ILE:HD13	1:91:A:LYS:HD3	13	0.65
(1,465)	1:36:A:LEU:HD21	1:40:A:GLU:HG3	13	0.65
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD21	13	0.64
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD21	13	0.64
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD13	19	0.64
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD11	15	0.64
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD13	19	0.64
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG23	1	0.64
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG23	1	0.64
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG23	2	0.64
(1,3738)	1:11:B:ILE:H	1:12:B:VAL:HG11	13	0.64
(1,3738)	1:11:B:ILE:H	1:12:B:VAL:HG11	19	0.64
(1,3730)	1:37:B:LEU:H	1:33:B:LEU:HD13	4	0.64
(1,3729)	1:37:A:LEU:H	1:33:A:LEU:HD13	4	0.64
(1,3696)	1:86:B:HIS:H	1:44:B:THR:HG22	7	0.64
(1,3695)	1:86:A:HIS:H	1:44:A:THR:HG22	7	0.64
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD13	11	0.64
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD13	11	0.64
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB3	18	0.64
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB3	6	0.64
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB3	18	0.64
(1,3648)	1:8:B:LEU:H	1:85:A:ALA:HB3	1	0.64
(1,3647)	1:8:A:LEU:H	1:85:B:ALA:HB3	1	0.64
(1,3626)	1:38:B:THR:H	1:54:B:ILE:HG12	15	0.64
(1,3625)	1:38:A:THR:H	1:54:A:ILE:HG12	15	0.64
(1,3615)	1:89:A:THR:H	1:91:A:LYS:HB2	1	0.64
(1,3608)	1:43:B:ASN:H	1:49:B:LYS:HD3	10	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3607)	1:43:A:ASN:H	1:49:A:LYS:HD3	11	0.64
(1,3601)	1:57:A:ILE:H	1:54:A:ILE:HG13	13	0.64
(1,3580)	1:8:B:LEU:H	1:41:A:LEU:HB3	12	0.64
(1,3579)	1:8:A:LEU:H	1:40:B:GLU:HB3	5	0.64
(1,3576)	1:53:B:VAL:H	1:51:B:LYS:HB3	7	0.64
(1,3576)	1:53:B:VAL:H	1:51:B:LYS:HB3	13	0.64
(1,3575)	1:53:A:VAL:H	1:51:A:LYS:HB3	7	0.64
(1,3575)	1:53:A:VAL:H	1:51:A:LYS:HB3	13	0.64
(1,3572)	1:36:B:LEU:H	1:37:B:LEU:HG	12	0.64
(1,3571)	1:36:A:LEU:H	1:37:A:LEU:HG	12	0.64
(1,3514)	1:83:B:LYS:H	1:8:A:LEU:HB3	6	0.64
(1,3514)	1:83:B:LYS:H	1:8:A:LEU:HB3	20	0.64
(1,3513)	1:87:A:TYR:H	1:71:B:PHE:HB2	3	0.64
(1,3513)	1:83:A:LYS:H	1:8:B:LEU:HB3	20	0.64
(1,3448)	1:89:B:THR:H	1:83:B:LYS:HE2	14	0.64
(1,3447)	1:89:A:THR:H	1:83:A:LYS:HE2	14	0.64
(1,3145)	1:88:A:HIS:HB3	1:12:B:VAL:HG23	14	0.64
(1,3131)	1:54:A:ILE:HG22	1:58:A:PHE:HB3	7	0.64
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG22	18	0.64
(1,3040)	1:53:B:VAL:HG12	1:45:B:ILE:HG13	17	0.64
(1,3039)	1:53:A:VAL:HG12	1:45:A:ILE:HG13	17	0.64
(1,3014)	1:53:B:VAL:HG13	1:56:B:GLU:HA	4	0.64
(1,3013)	1:53:A:VAL:HG13	1:56:A:GLU:HA	4	0.64
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD12	7	0.64
(1,2914)	1:45:B:ILE:HG13	1:42:B:ALA:HA	5	0.64
(1,2913)	1:45:A:ILE:HG13	1:42:A:ALA:HA	5	0.64
(1,2832)	1:58:B:PHE:HA	1:77:B:LEU:HB2	17	0.64
(1,2831)	1:58:A:PHE:HA	1:77:A:LEU:HB2	17	0.64
(1,2818)	1:53:B:VAL:HG13	1:46:B:LYS:HG3	15	0.64
(1,2817)	1:53:A:VAL:HG13	1:46:A:LYS:HG3	15	0.64
(1,2758)	1:80:B:ILE:HD13	1:91:B:LYS:HD2	17	0.64
(1,2757)	1:80:A:ILE:HD13	1:91:A:LYS:HD2	17	0.64
(1,2730)	1:75:B:ILE:HD12	1:91:A:LYS:HD3	7	0.64
(1,2696)	1:61:B:LEU:HB2	1:57:B:ILE:HA	2	0.64
(1,2694)	1:61:B:LEU:HB2	1:57:B:ILE:HA	2	0.64
(1,2682)	1:83:B:LYS:HB2	1:91:B:LYS:HD3	1	0.64
(1,2681)	1:83:A:LYS:HB2	1:91:A:LYS:HD3	1	0.64
(1,2664)	1:8:B:LEU:HD13	1:41:A:LEU:HB3	17	0.64
(1,2663)	1:8:A:LEU:HD13	1:41:B:LEU:HB3	17	0.64
(1,2650)	1:34:B:LYS:HB3	1:32:B:GLU:HB3	9	0.64
(1,2649)	1:34:A:LYS:HB3	1:32:A:GLU:HB3	9	0.64
(1,2642)	1:33:B:LEU:HB3	1:34:B:LYS:HB2	3	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2641)	1:33:A:LEU:HB3	1:34:A:LYS:HB2	3	0.64
(1,2509)	1:83:A:LYS:HE3	1:72:B:GLN:HB3	10	0.64
(1,2480)	1:62:B:ASP:HB3	1:59:B:GLN:HB3	13	0.64
(1,2479)	1:62:A:ASP:HB3	1:59:A:GLN:HB3	13	0.64
(1,2478)	1:55:B:ASP:HB3	1:56:B:GLU:HB2	17	0.64
(1,2408)	1:52:B:ALA:HB2	1:56:B:GLU:HG2	5	0.64
(1,2407)	1:52:A:ALA:HB1	1:56:A:GLU:HG2	3	0.64
(1,2407)	1:52:A:ALA:HB2	1:56:A:GLU:HG2	13	0.64
(1,2302)	1:51:B:LYS:HE2	1:55:B:ASP:HB2	17	0.64
(1,2264)	1:88:B:HIS:HB3	1:86:B:HIS:HB2	17	0.64
(1,2263)	1:88:A:HIS:HB3	1:86:A:HIS:HB2	17	0.64
(1,2166)	1:12:B:VAL:HG23	1:88:A:HIS:HB3	14	0.64
(1,2130)	1:73:B:GLU:HA	1:72:B:GLN:HA	15	0.64
(1,2130)	1:59:B:GLN:HA	1:58:B:PHE:HA	18	0.64
(1,2129)	1:73:A:GLU:HA	1:72:A:GLN:HA	15	0.64
(1,2129)	1:59:A:GLN:HA	1:58:A:PHE:HA	18	0.64
(1,2088)	1:74:B:PHE:HA	1:76:B:SER:HB3	14	0.64
(1,2088)	1:79:B:ALA:HA	1:76:B:SER:HB3	17	0.64
(1,2087)	1:79:A:ALA:HA	1:76:A:SER:HB3	17	0.64
(1,2086)	1:54:B:ILE:HA	1:53:B:VAL:HA	4	0.64
(1,2086)	1:54:B:ILE:HA	1:53:B:VAL:HA	7	0.64
(1,2086)	1:54:B:ILE:HA	1:53:B:VAL:HA	11	0.64
(1,2085)	1:54:A:ILE:HA	1:53:A:VAL:HA	7	0.64
(1,2085)	1:54:A:ILE:HA	1:53:A:VAL:HA	11	0.64
(1,2076)	1:79:B:ALA:HA	1:76:B:SER:HB3	17	0.64
(1,2075)	1:79:A:ALA:HA	1:76:A:SER:HB3	17	0.64
(1,2072)	1:74:B:PHE:HA	1:76:B:SER:HB3	14	0.64
(1,2000)	1:74:B:PHE:HA	1:76:B:SER:HB2	2	0.64
(1,2000)	1:74:B:PHE:HA	1:76:B:SER:HB2	13	0.64
(1,1988)	1:30:B:LYS:HD3	1:29:B:SER:HB3	1	0.64
(1,1987)	1:30:A:LYS:HD3	1:29:A:SER:HB3	1	0.64
(1,1942)	1:30:B:LYS:HD3	1:52:B:ALA:HA	17	0.64
(1,1941)	1:30:A:LYS:HD3	1:52:A:ALA:HA	17	0.64
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG21	2	0.64
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG21	11	0.64
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG23	13	0.64
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG22	14	0.64
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG23	15	0.64
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG21	2	0.64
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG21	11	0.64
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG23	13	0.64
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG22	14	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1805)	1:57:A:ILE:HG23	1:61:A:LEU:H	6	0.64
(1,1804)	1:85:B:ALA:HB1	1:12:A:VAL:H	10	0.64
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD11	14	0.64
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG13	6	0.64
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG11	9	0.64
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG13	6	0.64
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG11	9	0.64
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG13	18	0.64
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG13	18	0.64
(1,1458)	1:40:B:GLU:H	1:40:B:GLU:HG3	7	0.64
(1,1457)	1:40:A:GLU:H	1:40:A:GLU:HG3	7	0.64
(1,854)	1:78:B:VAL:HG12	1:45:B:ILE:HD13	8	0.64
(1,806)	1:80:B:ILE:HD12	1:61:B:LEU:HD22	9	0.64
(1,806)	1:80:B:ILE:HD11	1:61:B:LEU:HD21	13	0.64
(1,805)	1:80:A:ILE:HD12	1:61:A:LEU:HD21	9	0.64
(1,805)	1:80:A:ILE:HD11	1:61:A:LEU:HD21	13	0.64
(1,554)	1:75:B:ILE:HD12	1:91:A:LYS:HD3	7	0.64
(1,370)	1:91:B:LYS:HE2	1:90:B:HIS:HB3	6	0.64
(1,369)	1:91:A:LYS:HE2	1:90:A:HIS:HB3	6	0.64
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD13	13	0.63
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD13	13	0.63
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG23	5	0.63
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG21	17	0.63
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG21	20	0.63
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG23	5	0.63
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG21	17	0.63
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD21	19	0.63
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD23	6	0.63
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD21	19	0.63
(1,3737)	1:11:A:ILE:H	1:12:A:VAL:HG11	19	0.63
(1,3730)	1:37:B:LEU:H	1:36:B:LEU:HG	19	0.63
(1,3729)	1:37:A:LEU:H	1:36:A:LEU:HG	19	0.63
(1,3648)	1:8:B:LEU:H	1:85:A:ALA:HB2	11	0.63
(1,3647)	1:8:A:LEU:H	1:85:B:ALA:HB2	11	0.63
(1,3626)	1:38:B:THR:H	1:54:B:ILE:HG12	17	0.63
(1,3614)	1:52:B:ALA:H	1:51:B:LYS:HD2	18	0.63
(1,3602)	1:57:B:ILE:H	1:54:B:ILE:HG13	2	0.63
(1,3602)	1:57:B:ILE:H	1:54:B:ILE:HG13	13	0.63
(1,3601)	1:57:A:ILE:H	1:54:A:ILE:HG13	2	0.63
(1,3579)	1:8:A:LEU:H	1:41:B:LEU:HB3	12	0.63
(1,3576)	1:53:B:VAL:H	1:51:B:LYS:HB3	2	0.63
(1,3576)	1:53:B:VAL:H	1:51:B:LYS:HB3	16	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3575)	1:53:A:VAL:H	1:51:A:LYS:HB3	2	0.63
(1,3575)	1:53:A:VAL:H	1:51:A:LYS:HB3	16	0.63
(1,3572)	1:36:B:LEU:H	1:37:B:LEU:HG	16	0.63
(1,3571)	1:36:A:LEU:H	1:37:A:LEU:HG	16	0.63
(1,3538)	1:75:B:ILE:H	1:73:B:GLU:HB2	7	0.63
(1,3538)	1:75:B:ILE:H	1:73:B:GLU:HB2	11	0.63
(1,3537)	1:75:A:ILE:H	1:73:A:GLU:HB2	11	0.63
(1,3537)	1:75:A:ILE:H	1:73:A:GLU:HB2	16	0.63
(1,3506)	1:18:B:TYR:H	1:40:B:GLU:HG3	10	0.63
(1,3505)	1:18:A:TYR:H	1:40:A:GLU:HG3	10	0.63
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG2	11	0.63
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG2	11	0.63
(1,3291)	1:92:A:GLU:H	1:89:A:THR:H	8	0.63
(1,3119)	1:82:A:LEU:HA	1:12:B:VAL:HG22	1	0.63
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG22	18	0.63
(1,2984)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	8	0.63
(1,2983)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	8	0.63
(1,2972)	1:81:B:ALA:HB3	1:44:B:THR:HG23	6	0.63
(1,2972)	1:81:B:ALA:HB3	1:45:B:ILE:HG13	15	0.63
(1,2971)	1:81:A:ALA:HB3	1:44:A:THR:HG23	6	0.63
(1,2971)	1:81:A:ALA:HB3	1:45:A:ILE:HG13	15	0.63
(1,2952)	1:82:B:LEU:HG	1:83:B:LYS:HA	2	0.63
(1,2951)	1:82:A:LEU:HG	1:83:A:LYS:HA	2	0.63
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD12	7	0.63
(1,2830)	1:79:B:ALA:HB2	1:80:B:ILE:HA	9	0.63
(1,2829)	1:79:A:ALA:HB2	1:80:A:ILE:HA	9	0.63
(1,2812)	1:37:B:LEU:HD23	1:33:B:LEU:HG	10	0.63
(1,2811)	1:37:A:LEU:HD23	1:33:A:LEU:HG	10	0.63
(1,2729)	1:75:A:ILE:HD12	1:91:B:LYS:HD3	7	0.63
(1,2695)	1:61:A:LEU:HB2	1:57:A:ILE:HA	2	0.63
(1,2693)	1:61:A:LEU:HB2	1:57:A:ILE:HA	2	0.63
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB2	19	0.63
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB2	19	0.63
(1,2663)	1:8:A:LEU:HD11	1:41:B:LEU:HB3	20	0.63
(1,2642)	1:33:B:LEU:HB3	1:34:B:LYS:HB2	6	0.63
(1,2641)	1:33:A:LEU:HB3	1:34:A:LYS:HB2	6	0.63
(1,2520)	1:7:B:HIS:HB2	1:6:B:GLU:HB3	6	0.63
(1,2480)	1:62:B:ASP:HB3	1:59:B:GLN:HB3	14	0.63
(1,2479)	1:62:A:ASP:HB3	1:59:A:GLN:HB3	14	0.63
(1,2477)	1:55:A:ASP:HB3	1:56:A:GLU:HB2	6	0.63
(1,2419)	1:67:A:GLU:HG3	1:59:A:GLN:HA	14	0.63
(1,2407)	1:52:A:ALA:HB2	1:56:A:GLU:HG2	5	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2407)	1:52:A:ALA:HB3	1:56:A:GLU:HG2	8	0.63
(1,2407)	1:52:A:ALA:HB1	1:56:A:GLU:HG3	9	0.63
(1,2380)	1:53:B:VAL:HB	1:46:B:LYS:HE2	14	0.63
(1,2379)	1:53:A:VAL:HB	1:46:A:LYS:HE2	14	0.63
(1,2344)	1:54:B:ILE:HG21	1:30:B:LYS:HE2	8	0.63
(1,2343)	1:54:A:ILE:HG21	1:30:A:LYS:HE2	8	0.63
(1,2301)	1:51:A:LYS:HE2	1:55:A:ASP:HB2	17	0.63
(1,2278)	1:42:B:ALA:HB3	1:43:B:ASN:HB3	12	0.63
(1,2277)	1:42:A:ALA:HB1	1:43:A:ASN:HB3	20	0.63
(1,2226)	1:82:B:LEU:HD12	1:78:A:VAL:HA	18	0.63
(1,2225)	1:82:A:LEU:HD12	1:78:B:VAL:HA	18	0.63
(1,2130)	1:73:B:GLU:HA	1:72:B:GLN:HA	1	0.63
(1,2130)	1:73:B:GLU:HA	1:72:B:GLN:HA	2	0.63
(1,2130)	1:73:B:GLU:HA	1:72:B:GLN:HA	5	0.63
(1,2130)	1:73:B:GLU:HA	1:72:B:GLN:HA	8	0.63
(1,2129)	1:73:A:GLU:HA	1:72:A:GLN:HA	1	0.63
(1,2129)	1:73:A:GLU:HA	1:72:A:GLN:HA	2	0.63
(1,2129)	1:73:A:GLU:HA	1:72:A:GLN:HA	5	0.63
(1,2129)	1:73:A:GLU:HA	1:72:A:GLN:HA	8	0.63
(1,2107)	1:61:A:LEU:HD23	1:60:A:GLY:HA3	1	0.63
(1,2088)	1:74:B:PHE:HA	1:76:B:SER:HB3	1	0.63
(1,2087)	1:74:A:PHE:HA	1:76:A:SER:HB3	1	0.63
(1,2087)	1:74:A:PHE:HA	1:76:A:SER:HB3	14	0.63
(1,2086)	1:54:B:ILE:HA	1:53:B:VAL:HA	6	0.63
(1,2086)	1:54:B:ILE:HA	1:53:B:VAL:HA	9	0.63
(1,2086)	1:54:B:ILE:HA	1:53:B:VAL:HA	10	0.63
(1,2086)	1:54:B:ILE:HA	1:53:B:VAL:HA	14	0.63
(1,2086)	1:54:B:ILE:HA	1:53:B:VAL:HA	18	0.63
(1,2085)	1:54:A:ILE:HA	1:53:A:VAL:HA	4	0.63
(1,2085)	1:54:A:ILE:HA	1:53:A:VAL:HA	6	0.63
(1,2085)	1:54:A:ILE:HA	1:53:A:VAL:HA	9	0.63
(1,2085)	1:54:A:ILE:HA	1:53:A:VAL:HA	10	0.63
(1,2085)	1:54:A:ILE:HA	1:53:A:VAL:HA	14	0.63
(1,2085)	1:54:A:ILE:HA	1:53:A:VAL:HA	18	0.63
(1,2082)	1:78:B:VAL:HG23	1:74:B:PHE:HA	3	0.63
(1,2081)	1:78:A:VAL:HG23	1:74:A:PHE:HA	3	0.63
(1,2072)	1:74:B:PHE:HA	1:76:B:SER:HB3	1	0.63
(1,2071)	1:74:A:PHE:HA	1:76:A:SER:HB3	1	0.63
(1,2071)	1:74:A:PHE:HA	1:76:A:SER:HB3	14	0.63
(1,2068)	1:48:B:ILE:HA	1:51:B:LYS:HA	8	0.63
(1,2067)	1:48:A:ILE:HA	1:51:A:LYS:HA	8	0.63
(1,1999)	1:74:A:PHE:HA	1:76:A:SER:HB2	2	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1976)	1:54:B:ILE:HB	1:49:B:LYS:HA	5	0.63
(1,1976)	1:54:B:ILE:HB	1:49:B:LYS:HA	6	0.63
(1,1975)	1:54:A:ILE:HB	1:49:A:LYS:HA	5	0.63
(1,1975)	1:54:A:ILE:HB	1:49:A:LYS:HA	6	0.63
(1,1864)	1:18:B:TYR:H	1:36:B:LEU:HD22	9	0.63
(1,1863)	1:18:A:TYR:H	1:36:A:LEU:HD22	9	0.63
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG23	5	0.63
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG23	15	0.63
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD11	3	0.63
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD11	3	0.63
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD11	12	0.63
(1,1704)	1:8:B:LEU:HG	1:45:A:ILE:HG13	14	0.63
(1,853)	1:78:A:VAL:HG12	1:45:A:ILE:HD13	8	0.63
(1,584)	1:8:B:LEU:HB2	1:82:A:LEU:HB3	20	0.63
(1,583)	1:8:A:LEU:HB2	1:82:B:LEU:HB3	20	0.63
(1,553)	1:75:A:ILE:HD12	1:91:B:LYS:HD3	7	0.63
(1,470)	1:36:B:LEU:HD13	1:40:B:GLU:HG3	5	0.63
(1,470)	1:36:B:LEU:HD13	1:40:B:GLU:HG3	13	0.63
(1,469)	1:36:A:LEU:HD13	1:40:A:GLU:HG3	5	0.63
(1,469)	1:36:A:LEU:HD12	1:40:A:GLU:HG3	19	0.63
(1,465)	1:36:A:LEU:HD21	1:40:A:GLU:HG2	2	0.63
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG21	7	0.62
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG22	14	0.62
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG21	7	0.62
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG22	14	0.62
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG21	20	0.62
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD22	1	0.62
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD23	6	0.62
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD22	1	0.62
(1,3738)	1:32:B:GLU:H	1:33:B:LEU:HD12	17	0.62
(1,3737)	1:32:A:GLU:H	1:33:A:LEU:HD12	17	0.62
(1,3730)	1:37:B:LEU:H	1:36:B:LEU:HG	7	0.62
(1,3729)	1:37:A:LEU:H	1:36:A:LEU:HG	7	0.62
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD11	6	0.62
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD13	15	0.62
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD11	18	0.62
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD13	15	0.62
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD11	18	0.62
(1,3626)	1:38:B:THR:H	1:54:B:ILE:HG12	2	0.62
(1,3625)	1:38:A:THR:H	1:54:A:ILE:HG12	2	0.62
(1,3625)	1:38:A:THR:H	1:54:A:ILE:HG12	17	0.62
(1,3613)	1:52:A:ALA:H	1:51:A:LYS:HD2	18	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3602)	1:57:B:ILE:H	1:54:B:ILE:HG13	7	0.62
(1,3602)	1:57:B:ILE:H	1:54:B:ILE:HG13	19	0.62
(1,3601)	1:57:A:ILE:H	1:54:A:ILE:HG13	19	0.62
(1,3596)	1:85:B:ALA:H	1:91:B:LYS:HB2	3	0.62
(1,3595)	1:85:A:ALA:H	1:91:A:LYS:HB2	3	0.62
(1,3571)	1:36:A:LEU:H	1:37:A:LEU:HG	17	0.62
(1,3538)	1:75:B:ILE:H	1:73:B:GLU:HB2	16	0.62
(1,3538)	1:75:B:ILE:H	1:73:B:GLU:HB2	19	0.62
(1,3537)	1:75:A:ILE:H	1:73:A:GLU:HB2	7	0.62
(1,3537)	1:75:A:ILE:H	1:73:A:GLU:HB2	19	0.62
(1,3505)	1:18:A:TYR:H	1:40:A:GLU:HG3	2	0.62
(1,3292)	1:84:B:ALA:H	1:92:B:GLU:H	9	0.62
(1,3291)	1:84:A:ALA:H	1:92:A:GLU:H	9	0.62
(1,3230)	1:75:B:ILE:HD12	1:78:A:VAL:HG12	19	0.62
(1,3220)	1:30:B:LYS:HG3	1:62:B:ASP:HB2	17	0.62
(1,3219)	1:30:A:LYS:HG3	1:62:A:ASP:HB2	17	0.62
(1,3180)	1:30:B:LYS:HG2	1:55:B:ASP:HB2	5	0.62
(1,3179)	1:30:A:LYS:HG2	1:55:A:ASP:HB2	5	0.62
(1,3177)	1:83:A:LYS:HE3	1:75:B:ILE:HD11	12	0.62
(1,3120)	1:82:B:LEU:HA	1:12:A:VAL:HG22	1	0.62
(1,3072)	1:12:B:VAL:HG23	1:9:B:GLU:HA	10	0.62
(1,3071)	1:12:A:VAL:HG23	1:9:A:GLU:HA	10	0.62
(1,3051)	1:40:A:GLU:HG3	1:37:A:LEU:HD21	19	0.62
(1,2988)	1:53:B:VAL:HG11	1:56:B:GLU:HG3	8	0.62
(1,2950)	1:82:B:LEU:HG	1:80:B:ILE:HA	12	0.62
(1,2949)	1:82:A:LEU:HG	1:80:A:ILE:HA	12	0.62
(1,2940)	1:51:B:LYS:HD2	1:54:B:ILE:HD13	1	0.62
(1,2939)	1:51:A:LYS:HD2	1:54:A:ILE:HD13	1	0.62
(1,2938)	1:7:B:HIS:HB2	1:44:A:THR:HG21	20	0.62
(1,2937)	1:7:A:HIS:HB2	1:44:B:THR:HG21	20	0.62
(1,2804)	1:63:B:ALA:HB1	1:64:B:ASN:HB3	14	0.62
(1,2728)	1:75:B:ILE:HG22	1:91:A:LYS:HD3	9	0.62
(1,2727)	1:75:A:ILE:HG22	1:91:B:LYS:HD3	9	0.62
(1,2664)	1:8:B:LEU:HD11	1:41:A:LEU:HB3	20	0.62
(1,2648)	1:67:B:GLU:HG3	1:68:B:GLN:HB2	19	0.62
(1,2616)	1:59:B:GLN:HG2	1:57:B:ILE:HB	9	0.62
(1,2616)	1:59:B:GLN:HG2	1:57:B:ILE:HB	19	0.62
(1,2615)	1:59:A:GLN:HG2	1:57:A:ILE:HB	9	0.62
(1,2615)	1:59:A:GLN:HG2	1:57:A:ILE:HB	19	0.62
(1,2611)	1:83:A:LYS:HB2	1:83:A:LYS:HE2	7	0.62
(1,2592)	1:89:B:THR:HG22	1:83:B:LYS:HB3	16	0.62
(1,2591)	1:89:A:THR:HG22	1:83:A:LYS:HB3	16	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2554)	1:79:B:ALA:HA	1:78:B:VAL:HB	1	0.62
(1,2554)	1:79:B:ALA:HA	1:78:B:VAL:HB	6	0.62
(1,2553)	1:79:A:ALA:HA	1:78:A:VAL:HB	1	0.62
(1,2553)	1:79:A:ALA:HA	1:78:A:VAL:HB	6	0.62
(1,2519)	1:7:A:HIS:HB2	1:6:A:GLU:HB3	6	0.62
(1,2519)	1:8:A:LEU:HB2	1:7:A:HIS:HB2	20	0.62
(1,2478)	1:55:B:ASP:HB3	1:56:B:GLU:HB2	6	0.62
(1,2460)	1:30:B:LYS:HD2	1:67:B:GLU:HG2	10	0.62
(1,2459)	1:30:A:LYS:HD2	1:67:A:GLU:HG2	10	0.62
(1,2420)	1:67:B:GLU:HG3	1:59:B:GLN:HA	14	0.62
(1,2408)	1:52:B:ALA:HB3	1:56:B:GLU:HG2	8	0.62
(1,2408)	1:52:B:ALA:HB1	1:56:B:GLU:HG3	9	0.62
(1,2407)	1:52:A:ALA:HB2	1:56:A:GLU:HG3	14	0.62
(1,2278)	1:42:B:ALA:HB1	1:43:B:ASN:HB3	20	0.62
(1,2277)	1:42:A:ALA:HB3	1:43:A:ASN:HB3	12	0.62
(1,2262)	1:72:B:GLN:HG3	1:83:A:LYS:HE2	15	0.62
(1,2226)	1:82:B:LEU:HD12	1:78:A:VAL:HA	5	0.62
(1,2225)	1:82:A:LEU:HD12	1:78:B:VAL:HA	5	0.62
(1,2225)	1:82:A:LEU:HD12	1:78:B:VAL:HA	10	0.62
(1,2164)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	14	0.62
(1,2163)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	14	0.62
(1,2130)	1:73:B:GLU:HA	1:72:B:GLN:HA	3	0.62
(1,2130)	1:73:B:GLU:HA	1:72:B:GLN:HA	17	0.62
(1,2129)	1:73:A:GLU:HA	1:72:A:GLN:HA	3	0.62
(1,2129)	1:73:A:GLU:HA	1:72:A:GLN:HA	17	0.62
(1,2108)	1:61:B:LEU:HD23	1:60:B:GLY:HA3	1	0.62
(1,2108)	1:61:B:LEU:HD23	1:60:B:GLY:HA3	10	0.62
(1,2107)	1:61:A:LEU:HD23	1:60:A:GLY:HA3	10	0.62
(1,2086)	1:54:B:ILE:HA	1:53:B:VAL:HA	3	0.62
(1,2086)	1:54:B:ILE:HA	1:53:B:VAL:HA	5	0.62
(1,2086)	1:54:B:ILE:HA	1:53:B:VAL:HA	8	0.62
(1,2086)	1:54:B:ILE:HA	1:53:B:VAL:HA	15	0.62
(1,2086)	1:54:B:ILE:HA	1:53:B:VAL:HA	16	0.62
(1,2086)	1:54:B:ILE:HA	1:53:B:VAL:HA	20	0.62
(1,2085)	1:54:A:ILE:HA	1:53:A:VAL:HA	3	0.62
(1,2085)	1:54:A:ILE:HA	1:53:A:VAL:HA	5	0.62
(1,2085)	1:54:A:ILE:HA	1:53:A:VAL:HA	8	0.62
(1,2085)	1:54:A:ILE:HA	1:53:A:VAL:HA	16	0.62
(1,2085)	1:54:A:ILE:HA	1:53:A:VAL:HA	20	0.62
(1,2076)	1:79:B:ALA:HA	1:79:A:ALA:HA	14	0.62
(1,2076)	1:79:B:ALA:HA	1:79:A:ALA:HA	16	0.62
(1,2075)	1:79:A:ALA:HA	1:79:B:ALA:HA	14	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2075)	1:79:A:ALA:HA	1:79:B:ALA:HA	16	0.62
(1,2074)	1:81:B:ALA:HA	1:79:B:ALA:HA	19	0.62
(1,2073)	1:81:A:ALA:HA	1:79:A:ALA:HA	19	0.62
(1,1976)	1:54:B:ILE:HB	1:49:B:LYS:HA	3	0.62
(1,1975)	1:54:A:ILE:HB	1:49:A:LYS:HA	3	0.62
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG23	5	0.62
(1,1805)	1:57:A:ILE:HG22	1:61:A:LEU:H	4	0.62
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD12	10	0.62
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD11	12	0.62
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD11	14	0.62
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD11	8	0.62
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD11	10	0.62
(1,1712)	1:83:B:LYS:HD3	1:75:A:ILE:HG22	16	0.62
(1,1703)	1:8:A:LEU:HG	1:45:B:ILE:HG13	14	0.62
(1,1482)	1:3:B:LYS:H	1:6:B:GLU:HB3	17	0.62
(1,1481)	1:3:A:LYS:H	1:6:A:GLU:HB3	17	0.62
(1,1468)	1:68:B:GLN:H	1:68:B:GLN:HG3	8	0.62
(1,1467)	1:68:A:GLN:H	1:68:A:GLN:HG3	8	0.62
(1,806)	1:80:B:ILE:HD12	1:61:B:LEU:HD22	18	0.62
(1,806)	1:80:B:ILE:HD11	1:61:B:LEU:HD23	19	0.62
(1,805)	1:80:A:ILE:HD12	1:61:A:LEU:HD22	18	0.62
(1,584)	1:8:B:LEU:HB2	1:82:A:LEU:HB3	12	0.62
(1,583)	1:8:A:LEU:HB2	1:82:B:LEU:HB3	12	0.62
(1,583)	1:8:A:LEU:HB2	1:82:B:LEU:HB3	15	0.62
(1,470)	1:36:B:LEU:HD12	1:40:B:GLU:HG3	3	0.62
(1,470)	1:36:B:LEU:HD12	1:40:B:GLU:HG3	19	0.62
(1,469)	1:36:A:LEU:HD12	1:40:A:GLU:HG3	3	0.62
(1,469)	1:36:A:LEU:HD13	1:40:A:GLU:HG3	13	0.62
(1,466)	1:36:B:LEU:HD21	1:40:B:GLU:HG2	2	0.62
(1,330)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	14	0.62
(1,329)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	14	0.62
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD12	1	0.61
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD12	1	0.61
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD21	17	0.61
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD21	2	0.61
(1,3730)	1:37:B:LEU:H	1:36:B:LEU:HG	13	0.61
(1,3729)	1:37:A:LEU:H	1:36:A:LEU:HG	13	0.61
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD11	9	0.61
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD12	12	0.61
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD13	13	0.61
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD11	6	0.61
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD11	9	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD12	12	0.61
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD13	13	0.61
(1,3650)	1:44:B:THR:H	1:42:B:ALA:HB1	3	0.61
(1,3649)	1:44:A:THR:H	1:42:A:ALA:HB1	3	0.61
(1,3626)	1:38:B:THR:H	1:54:B:ILE:HG12	14	0.61
(1,3625)	1:38:A:THR:H	1:54:A:ILE:HG12	14	0.61
(1,3602)	1:57:B:ILE:H	1:54:B:ILE:HG13	4	0.61
(1,3601)	1:57:A:ILE:H	1:54:A:ILE:HG13	4	0.61
(1,3601)	1:57:A:ILE:H	1:54:A:ILE:HG13	7	0.61
(1,3572)	1:36:B:LEU:H	1:37:B:LEU:HG	17	0.61
(1,3518)	1:10:B:GLY:H	1:11:B:ILE:HB	5	0.61
(1,3517)	1:10:A:GLY:H	1:11:A:ILE:HB	5	0.61
(1,3506)	1:18:B:TYR:H	1:40:B:GLU:HG3	2	0.61
(1,3448)	1:89:B:THR:H	1:83:B:LYS:HE2	9	0.61
(1,3447)	1:89:A:THR:H	1:83:A:LYS:HE2	9	0.61
(1,3292)	1:92:B:GLU:H	1:89:B:THR:H	8	0.61
(1,3246)	1:46:B:LYS:H	1:90:B:HIS:H	8	0.61
(1,3178)	1:83:B:LYS:HE3	1:75:A:ILE:HD12	9	0.61
(1,3178)	1:83:B:LYS:HE3	1:75:A:ILE:HD11	12	0.61
(1,3177)	1:83:A:LYS:HE3	1:75:B:ILE:HD12	9	0.61
(1,3052)	1:40:B:GLU:HG3	1:37:B:LEU:HD21	19	0.61
(1,2987)	1:53:A:VAL:HG11	1:56:A:GLU:HG3	8	0.61
(1,2972)	1:81:B:ALA:HB3	1:45:B:ILE:HG13	19	0.61
(1,2952)	1:82:B:LEU:HG	1:83:B:LYS:HA	8	0.61
(1,2951)	1:82:A:LEU:HG	1:83:A:LYS:HA	8	0.61
(1,2914)	1:45:B:ILE:HG13	1:42:B:ALA:HA	18	0.61
(1,2913)	1:45:A:ILE:HG13	1:42:A:ALA:HA	14	0.61
(1,2830)	1:79:B:ALA:HB1	1:80:B:ILE:HA	3	0.61
(1,2829)	1:79:A:ALA:HB1	1:80:A:ILE:HA	3	0.61
(1,2803)	1:63:A:ALA:HB1	1:64:A:ASN:HB3	14	0.61
(1,2696)	1:61:B:LEU:HB2	1:57:B:ILE:HA	13	0.61
(1,2695)	1:61:A:LEU:HB2	1:57:A:ILE:HA	13	0.61
(1,2694)	1:61:B:LEU:HB2	1:57:B:ILE:HA	13	0.61
(1,2693)	1:61:A:LEU:HB2	1:57:A:ILE:HA	13	0.61
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB3	6	0.61
(1,2664)	1:8:B:LEU:HD12	1:41:A:LEU:HB3	4	0.61
(1,2663)	1:8:A:LEU:HD12	1:41:B:LEU:HB3	4	0.61
(1,2654)	1:59:B:GLN:HB2	1:57:B:ILE:HB	18	0.61
(1,2653)	1:59:A:GLN:HB2	1:57:A:ILE:HB	18	0.61
(1,2650)	1:34:B:LYS:HB3	1:32:B:GLU:HB3	11	0.61
(1,2649)	1:34:A:LYS:HB3	1:32:A:GLU:HB3	11	0.61
(1,2647)	1:67:A:GLU:HG3	1:68:A:GLN:HB2	19	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2644)	1:50:B:ASP:HB3	1:51:B:LYS:HB3	13	0.61
(1,2643)	1:50:A:ASP:HB3	1:51:A:LYS:HB3	13	0.61
(1,2642)	1:33:B:LEU:HB3	1:34:B:LYS:HB2	7	0.61
(1,2641)	1:33:A:LEU:HB3	1:34:A:LYS:HB2	7	0.61
(1,2641)	1:33:A:LEU:HB3	1:34:A:LYS:HB2	20	0.61
(1,2612)	1:83:B:LYS:HB2	1:83:B:LYS:HE2	7	0.61
(1,2554)	1:79:B:ALA:HA	1:78:B:VAL:HB	5	0.61
(1,2554)	1:79:B:ALA:HA	1:78:B:VAL:HB	16	0.61
(1,2553)	1:79:A:ALA:HA	1:78:A:VAL:HB	5	0.61
(1,2553)	1:79:A:ALA:HA	1:78:A:VAL:HB	16	0.61
(1,2520)	1:8:B:LEU:HB2	1:7:B:HIS:HB2	20	0.61
(1,2480)	1:62:B:ASP:HB3	1:59:B:GLN:HB3	5	0.61
(1,2480)	1:62:B:ASP:HB3	1:59:B:GLN:HB3	11	0.61
(1,2479)	1:62:A:ASP:HB3	1:59:A:GLN:HB3	5	0.61
(1,2479)	1:62:A:ASP:HB3	1:59:A:GLN:HB3	11	0.61
(1,2420)	1:67:B:GLU:HG3	1:59:B:GLN:HA	4	0.61
(1,2408)	1:52:B:ALA:HB1	1:56:B:GLU:HG2	2	0.61
(1,2408)	1:52:B:ALA:HB2	1:56:B:GLU:HG3	14	0.61
(1,2408)	1:52:B:ALA:HB1	1:56:B:GLU:HG2	19	0.61
(1,2407)	1:52:A:ALA:HB1	1:56:A:GLU:HG2	2	0.61
(1,2365)	1:53:A:VAL:HB	1:50:A:ASP:HB2	8	0.61
(1,2353)	1:30:A:LYS:HE2	1:58:A:PHE:HB3	1	0.61
(1,2278)	1:42:B:ALA:HB1	1:43:B:ASN:HB3	15	0.61
(1,2268)	1:75:B:ILE:HD12	1:83:A:LYS:HE3	1	0.61
(1,2268)	1:75:B:ILE:HD13	1:83:A:LYS:HE3	7	0.61
(1,2268)	1:75:B:ILE:HD11	1:83:A:LYS:HE2	11	0.61
(1,2268)	1:75:B:ILE:HD11	1:83:A:LYS:HE3	14	0.61
(1,2268)	1:75:B:ILE:HD13	1:83:A:LYS:HE2	18	0.61
(1,2267)	1:75:A:ILE:HD12	1:83:B:LYS:HE3	1	0.61
(1,2267)	1:75:A:ILE:HD13	1:83:B:LYS:HE3	7	0.61
(1,2267)	1:75:A:ILE:HD11	1:83:B:LYS:HE2	11	0.61
(1,2267)	1:75:A:ILE:HD13	1:83:B:LYS:HE2	18	0.61
(1,2261)	1:72:A:GLN:HG3	1:83:B:LYS:HE2	15	0.61
(1,2226)	1:82:B:LEU:HD12	1:78:A:VAL:HA	4	0.61
(1,2226)	1:82:B:LEU:HD13	1:78:A:VAL:HA	6	0.61
(1,2225)	1:82:A:LEU:HD12	1:78:B:VAL:HA	4	0.61
(1,2225)	1:82:A:LEU:HD13	1:78:B:VAL:HA	6	0.61
(1,2163)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	13	0.61
(1,2130)	1:73:B:GLU:HA	1:72:B:GLN:HA	20	0.61
(1,2129)	1:73:A:GLU:HA	1:72:A:GLN:HA	20	0.61
(1,2108)	1:61:B:LEU:HD22	1:60:B:GLY:HA3	5	0.61
(1,2107)	1:61:A:LEU:HD22	1:60:A:GLY:HA3	5	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2086)	1:54:B:ILE:HA	1:53:B:VAL:HA	2	0.61
(1,2086)	1:54:B:ILE:HA	1:53:B:VAL:HA	13	0.61
(1,2086)	1:54:B:ILE:HA	1:53:B:VAL:HA	17	0.61
(1,2085)	1:54:A:ILE:HA	1:53:A:VAL:HA	2	0.61
(1,2085)	1:54:A:ILE:HA	1:53:A:VAL:HA	13	0.61
(1,2085)	1:54:A:ILE:HA	1:53:A:VAL:HA	15	0.61
(1,2085)	1:54:A:ILE:HA	1:53:A:VAL:HA	17	0.61
(1,2060)	1:83:B:LYS:HD2	1:79:B:ALA:HA	8	0.61
(1,2059)	1:83:A:LYS:HD2	1:79:A:ALA:HA	8	0.61
(1,1976)	1:54:B:ILE:HB	1:49:B:LYS:HA	18	0.61
(1,1975)	1:54:A:ILE:HB	1:49:A:LYS:HA	18	0.61
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG21	4	0.61
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG23	9	0.61
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG23	1	0.61
(1,1806)	1:57:B:ILE:HG22	1:61:B:LEU:H	4	0.61
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD11	8	0.61
(1,1711)	1:83:A:LYS:HD3	1:75:B:ILE:HG22	16	0.61
(1,1704)	1:8:B:LEU:HG	1:45:A:ILE:HG13	12	0.61
(1,1703)	1:8:A:LEU:HG	1:45:B:ILE:HG13	12	0.61
(1,1696)	1:83:B:LYS:HE2	1:72:A:GLN:HG3	2	0.61
(1,1696)	1:83:B:LYS:HE3	1:71:A:PHE:HB2	6	0.61
(1,1695)	1:83:A:LYS:HE2	1:72:B:GLN:HG3	2	0.61
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG12	2	0.61
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG12	2	0.61
(1,1482)	1:3:B:LYS:H	1:6:B:GLU:HB2	4	0.61
(1,1481)	1:3:A:LYS:H	1:6:A:GLU:HB2	4	0.61
(1,806)	1:80:B:ILE:HD13	1:61:B:LEU:HD22	4	0.61
(1,806)	1:80:B:ILE:HD11	1:61:B:LEU:HD23	16	0.61
(1,806)	1:80:B:ILE:HD11	1:61:B:LEU:HD22	20	0.61
(1,805)	1:80:A:ILE:HD13	1:61:A:LEU:HD22	4	0.61
(1,805)	1:80:A:ILE:HD11	1:61:A:LEU:HD23	16	0.61
(1,805)	1:80:A:ILE:HD11	1:61:A:LEU:HD23	19	0.61
(1,805)	1:80:A:ILE:HD11	1:61:A:LEU:HD22	20	0.61
(1,584)	1:8:B:LEU:HB2	1:82:A:LEU:HB3	15	0.61
(1,583)	1:8:A:LEU:HB2	1:82:B:LEU:HB3	19	0.61
(1,465)	1:36:A:LEU:HD22	1:40:A:GLU:HG3	20	0.61
(1,390)	1:59:B:GLN:HG3	1:55:B:ASP:HB3	12	0.61
(1,390)	1:59:B:GLN:HG3	1:55:B:ASP:HB3	14	0.61
(1,389)	1:59:A:GLN:HG3	1:55:A:ASP:HB3	14	0.61
(1,329)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	13	0.61
(1,3802)	1:10:B:GLY:H	1:12:B:VAL:HG21	10	0.6
(1,3801)	1:10:A:GLY:H	1:12:A:VAL:HG21	10	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG22	4	0.6
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG22	4	0.6
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG23	13	0.6
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG23	13	0.6
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD21	2	0.6
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD21	3	0.6
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD21	3	0.6
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD21	17	0.6
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD22	20	0.6
(1,3738)	1:11:B:ILE:H	1:12:B:VAL:HG11	20	0.6
(1,3730)	1:37:B:LEU:H	1:33:B:LEU:HD13	1	0.6
(1,3730)	1:37:B:LEU:H	1:36:B:LEU:HG	8	0.6
(1,3729)	1:37:A:LEU:H	1:33:A:LEU:HD13	1	0.6
(1,3729)	1:37:A:LEU:H	1:36:A:LEU:HG	8	0.6
(1,3710)	1:44:B:THR:H	1:45:B:ILE:HG13	1	0.6
(1,3710)	1:44:B:THR:H	1:44:B:THR:HG22	18	0.6
(1,3709)	1:44:A:THR:H	1:45:A:ILE:HG13	1	0.6
(1,3709)	1:44:A:THR:H	1:44:A:THR:HG22	18	0.6
(1,3706)	1:12:B:VAL:H	1:82:A:LEU:HG	12	0.6
(1,3681)	1:39:A:LYS:H	1:37:A:LEU:HB2	6	0.6
(1,3614)	1:52:B:ALA:H	1:51:B:LYS:HD2	5	0.6
(1,3613)	1:52:A:ALA:H	1:51:A:LYS:HD2	5	0.6
(1,3612)	1:34:B:LYS:H	1:36:B:LEU:HB3	1	0.6
(1,3612)	1:34:B:LYS:H	1:36:B:LEU:HB3	10	0.6
(1,3612)	1:34:B:LYS:H	1:36:B:LEU:HB3	19	0.6
(1,3611)	1:34:A:LYS:H	1:36:A:LEU:HB3	1	0.6
(1,3611)	1:34:A:LYS:H	1:36:A:LEU:HB3	10	0.6
(1,3575)	1:53:A:VAL:H	1:51:A:LYS:HB3	19	0.6
(1,3572)	1:36:B:LEU:H	1:37:B:LEU:HG	2	0.6
(1,3572)	1:36:B:LEU:H	1:37:B:LEU:HG	13	0.6
(1,3571)	1:36:A:LEU:H	1:37:A:LEU:HG	2	0.6
(1,3571)	1:36:A:LEU:H	1:37:A:LEU:HG	7	0.6
(1,3571)	1:36:A:LEU:H	1:37:A:LEU:HG	13	0.6
(1,3538)	1:75:B:ILE:H	1:73:B:GLU:HB2	3	0.6
(1,3538)	1:75:B:ILE:H	1:73:B:GLU:HB2	8	0.6
(1,3538)	1:75:B:ILE:H	1:73:B:GLU:HB2	13	0.6
(1,3538)	1:75:B:ILE:H	1:73:B:GLU:HB2	17	0.6
(1,3538)	1:75:B:ILE:H	1:73:B:GLU:HB2	18	0.6
(1,3537)	1:75:A:ILE:H	1:73:A:GLU:HB2	3	0.6
(1,3537)	1:75:A:ILE:H	1:73:A:GLU:HB2	8	0.6
(1,3537)	1:75:A:ILE:H	1:73:A:GLU:HB2	13	0.6
(1,3537)	1:75:A:ILE:H	1:73:A:GLU:HB2	17	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3537)	1:75:A:ILE:H	1:73:A:GLU:HB2	18	0.6
(1,3514)	1:83:B:LYS:H	1:8:A:LEU:HB3	15	0.6
(1,3513)	1:83:A:LYS:H	1:8:B:LEU:HB3	12	0.6
(1,3501)	1:67:A:GLU:H	1:66:A:ASP:HB3	5	0.6
(1,3448)	1:89:B:THR:H	1:83:B:LYS:HE3	18	0.6
(1,3447)	1:89:A:THR:H	1:83:A:LYS:HE3	18	0.6
(1,3245)	1:46:A:LYS:H	1:90:A:HIS:H	8	0.6
(1,3230)	1:75:B:ILE:HD13	1:78:A:VAL:HG13	9	0.6
(1,3229)	1:75:A:ILE:HD13	1:78:B:VAL:HG13	9	0.6
(1,3229)	1:75:A:ILE:HD12	1:78:B:VAL:HG12	19	0.6
(1,3146)	1:88:B:HIS:HB2	1:12:A:VAL:HG21	13	0.6
(1,3120)	1:82:B:LEU:HA	1:8:A:LEU:HD21	10	0.6
(1,3120)	1:82:B:LEU:HA	1:12:A:VAL:HG23	19	0.6
(1,3048)	1:30:B:LYS:HA	1:33:B:LEU:HD22	12	0.6
(1,3025)	1:30:A:LYS:HD2	1:51:A:LYS:HB2	16	0.6
(1,2971)	1:81:A:ALA:HB3	1:45:A:ILE:HG13	19	0.6
(1,2951)	1:82:A:LEU:HG	1:83:A:LYS:HA	3	0.6
(1,2950)	1:82:B:LEU:HG	1:80:B:ILE:HA	3	0.6
(1,2949)	1:82:A:LEU:HG	1:80:A:ILE:HA	3	0.6
(1,2914)	1:45:B:ILE:HG13	1:42:B:ALA:HA	14	0.6
(1,2914)	1:45:B:ILE:HG13	1:42:B:ALA:HA	19	0.6
(1,2913)	1:45:A:ILE:HG13	1:42:A:ALA:HA	18	0.6
(1,2913)	1:45:A:ILE:HG13	1:42:A:ALA:HA	19	0.6
(1,2818)	1:53:B:VAL:HG12	1:46:B:LYS:HG3	2	0.6
(1,2817)	1:53:A:VAL:HG12	1:46:A:LYS:HG3	2	0.6
(1,2750)	1:9:B:GLU:HG3	1:84:A:ALA:HB3	4	0.6
(1,2749)	1:9:A:GLU:HG3	1:84:B:ALA:HB3	4	0.6
(1,2722)	1:53:B:VAL:HG22	1:46:B:LYS:HB2	19	0.6
(1,2721)	1:53:A:VAL:HG22	1:46:A:LYS:HB2	19	0.6
(1,2680)	1:49:B:LYS:HB2	1:47:B:ASN:HB3	18	0.6
(1,2679)	1:49:A:LYS:HB2	1:47:A:ASN:HB3	18	0.6
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB3	6	0.6
(1,2654)	1:59:B:GLN:HB2	1:57:B:ILE:HB	15	0.6
(1,2653)	1:59:A:GLN:HB2	1:57:A:ILE:HB	15	0.6
(1,2644)	1:50:B:ASP:HB3	1:51:B:LYS:HB3	1	0.6
(1,2642)	1:33:B:LEU:HB3	1:34:B:LYS:HB2	20	0.6
(1,2616)	1:59:B:GLN:HG2	1:57:B:ILE:HB	13	0.6
(1,2615)	1:59:A:GLN:HG2	1:57:A:ILE:HB	13	0.6
(1,2606)	1:49:B:LYS:HB3	1:49:B:LYS:HE3	13	0.6
(1,2605)	1:49:A:LYS:HB3	1:49:A:LYS:HE3	13	0.6
(1,2554)	1:79:B:ALA:HA	1:78:B:VAL:HB	12	0.6
(1,2553)	1:79:A:ALA:HA	1:78:A:VAL:HB	12	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2480)	1:62:B:ASP:HB3	1:59:B:GLN:HB3	9	0.6
(1,2480)	1:62:B:ASP:HB3	1:59:B:GLN:HB3	18	0.6
(1,2479)	1:62:A:ASP:HB3	1:59:A:GLN:HB3	9	0.6
(1,2479)	1:62:A:ASP:HB3	1:59:A:GLN:HB3	18	0.6
(1,2419)	1:67:A:GLU:HG3	1:59:A:GLN:HA	4	0.6
(1,2407)	1:52:A:ALA:HB1	1:56:A:GLU:HG2	19	0.6
(1,2402)	1:51:B:LYS:HD2	1:53:B:VAL:HB	15	0.6
(1,2366)	1:53:B:VAL:HB	1:50:B:ASP:HB2	8	0.6
(1,2354)	1:30:B:LYS:HE2	1:58:B:PHE:HB3	1	0.6
(1,2338)	1:58:B:PHE:HB2	1:30:B:LYS:HE3	15	0.6
(1,2337)	1:58:A:PHE:HB2	1:30:A:LYS:HE3	15	0.6
(1,2296)	1:59:B:GLN:HG2	1:55:B:ASP:HB3	3	0.6
(1,2277)	1:42:A:ALA:HB1	1:43:A:ASN:HB3	15	0.6
(1,2267)	1:75:A:ILE:HD11	1:83:B:LYS:HE3	14	0.6
(1,2266)	1:53:B:VAL:HG11	1:47:B:ASN:HB3	16	0.6
(1,2265)	1:53:A:VAL:HG11	1:47:A:ASN:HB3	16	0.6
(1,2264)	1:88:B:HIS:HB3	1:86:B:HIS:HB2	14	0.6
(1,2263)	1:88:A:HIS:HB3	1:86:A:HIS:HB2	14	0.6
(1,2226)	1:82:B:LEU:HD12	1:78:A:VAL:HA	10	0.6
(1,2191)	1:46:A:LYS:HE3	1:90:A:HIS:HB2	17	0.6
(1,2165)	1:12:A:VAL:HG21	1:88:B:HIS:HB2	13	0.6
(1,2164)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	13	0.6
(1,2130)	1:73:B:GLU:HA	1:72:B:GLN:HA	6	0.6
(1,2130)	1:73:B:GLU:HA	1:72:B:GLN:HA	7	0.6
(1,2130)	1:73:B:GLU:HA	1:72:B:GLN:HA	10	0.6
(1,2129)	1:73:A:GLU:HA	1:72:A:GLN:HA	7	0.6
(1,2129)	1:73:A:GLU:HA	1:72:A:GLN:HA	10	0.6
(1,2086)	1:54:B:ILE:HA	1:53:B:VAL:HA	19	0.6
(1,2085)	1:54:A:ILE:HA	1:53:A:VAL:HA	19	0.6
(1,2082)	1:78:B:VAL:HG22	1:74:B:PHE:HA	4	0.6
(1,2082)	1:78:B:VAL:HG23	1:74:B:PHE:HA	17	0.6
(1,2081)	1:78:A:VAL:HG22	1:74:A:PHE:HA	4	0.6
(1,2081)	1:78:A:VAL:HG23	1:74:A:PHE:HA	17	0.6
(1,2074)	1:81:B:ALA:HA	1:79:B:ALA:HA	16	0.6
(1,2073)	1:81:A:ALA:HA	1:79:A:ALA:HA	16	0.6
(1,2068)	1:48:B:ILE:HA	1:51:B:LYS:HA	15	0.6
(1,2068)	1:48:B:ILE:HA	1:51:B:LYS:HA	17	0.6
(1,2067)	1:48:A:ILE:HA	1:51:A:LYS:HA	15	0.6
(1,2067)	1:48:A:ILE:HA	1:51:A:LYS:HA	17	0.6
(1,1975)	1:54:A:ILE:HB	1:49:A:LYS:HA	16	0.6
(1,1882)	1:49:B:LYS:HE2	1:50:B:ASP:HA	11	0.6
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG23	1	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG22	8	0.6
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG21	4	0.6
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG22	8	0.6
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG23	9	0.6
(1,1704)	1:8:B:LEU:HG	1:45:A:ILE:HG13	3	0.6
(1,1703)	1:8:A:LEU:HG	1:45:B:ILE:HG13	3	0.6
(1,1696)	1:83:B:LYS:HE3	1:71:A:PHE:HB2	19	0.6
(1,1696)	1:83:B:LYS:HE3	1:71:A:PHE:HB2	20	0.6
(1,1695)	1:83:A:LYS:HE2	1:72:B:GLN:HG3	6	0.6
(1,424)	1:39:B:LYS:HD3	1:35:B:GLN:HB3	20	0.6
(1,423)	1:39:A:LYS:HD3	1:35:A:GLN:HB3	20	0.6
(1,330)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	13	0.6
(2,138)	1:75:B:ILE:H	1:61:B:LEU:HB2	20	0.59
(2,58)	1:32:B:GLU:HB2	1:35:B:GLN:HB2	6	0.59
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD13	3	0.59
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD13	6	0.59
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD13	16	0.59
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD13	3	0.59
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD13	6	0.59
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD13	16	0.59
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG22	10	0.59
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG22	10	0.59
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD22	5	0.59
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD22	20	0.59
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD22	5	0.59
(1,3737)	1:11:A:ILE:H	1:12:A:VAL:HG11	20	0.59
(1,3730)	1:37:B:LEU:H	1:33:B:LEU:HD12	10	0.59
(1,3730)	1:37:B:LEU:H	1:33:B:LEU:HD13	11	0.59
(1,3730)	1:37:B:LEU:H	1:33:B:LEU:HD13	14	0.59
(1,3729)	1:37:A:LEU:H	1:33:A:LEU:HD12	10	0.59
(1,3729)	1:37:A:LEU:H	1:33:A:LEU:HD13	11	0.59
(1,3729)	1:37:A:LEU:H	1:33:A:LEU:HD13	14	0.59
(1,3705)	1:12:A:VAL:H	1:82:B:LEU:HG	12	0.59
(1,3700)	1:84:B:ALA:H	1:44:B:THR:HG23	8	0.59
(1,3699)	1:84:A:ALA:H	1:44:A:THR:HG23	8	0.59
(1,3682)	1:39:B:LYS:H	1:37:B:LEU:HB2	6	0.59
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD12	10	0.59
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD12	10	0.59
(1,3648)	1:8:B:LEU:H	1:85:A:ALA:HB2	5	0.59
(1,3647)	1:8:A:LEU:H	1:85:B:ALA:HB2	5	0.59
(1,3614)	1:52:B:ALA:H	1:51:B:LYS:HD2	19	0.59
(1,3611)	1:34:A:LYS:H	1:36:A:LEU:HB3	19	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3576)	1:53:B:VAL:H	1:51:B:LYS:HB3	19	0.59
(1,3572)	1:36:B:LEU:H	1:37:B:LEU:HG	7	0.59
(1,3571)	1:36:A:LEU:H	1:37:A:LEU:HG	10	0.59
(1,3538)	1:75:B:ILE:H	1:73:B:GLU:HB2	4	0.59
(1,3538)	1:75:B:ILE:H	1:73:B:GLU:HB2	10	0.59
(1,3538)	1:75:B:ILE:H	1:73:B:GLU:HB2	12	0.59
(1,3538)	1:75:B:ILE:H	1:73:B:GLU:HB2	14	0.59
(1,3538)	1:75:B:ILE:H	1:73:B:GLU:HB2	15	0.59
(1,3537)	1:75:A:ILE:H	1:73:A:GLU:HB2	4	0.59
(1,3537)	1:75:A:ILE:H	1:73:A:GLU:HB2	10	0.59
(1,3537)	1:75:A:ILE:H	1:73:A:GLU:HB2	12	0.59
(1,3537)	1:75:A:ILE:H	1:73:A:GLU:HB2	14	0.59
(1,3537)	1:75:A:ILE:H	1:73:A:GLU:HB2	15	0.59
(1,3514)	1:87:B:TYR:H	1:71:A:PHE:HB2	10	0.59
(1,3514)	1:83:B:LYS:H	1:8:A:LEU:HB3	12	0.59
(1,3502)	1:67:B:GLU:H	1:66:B:ASP:HB3	5	0.59
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG2	18	0.59
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG2	10	0.59
(1,3418)	1:10:B:GLY:H	1:7:B:HIS:HB2	15	0.59
(1,3417)	1:10:A:GLY:H	1:7:A:HIS:HB2	15	0.59
(1,3120)	1:82:B:LEU:HA	1:8:A:LEU:HD22	5	0.59
(1,3119)	1:82:A:LEU:HA	1:12:B:VAL:HG23	19	0.59
(1,3116)	1:8:B:LEU:HG	1:6:B:GLU:HA	4	0.59
(1,3115)	1:8:A:LEU:HG	1:6:A:GLU:HA	4	0.59
(1,3114)	1:8:B:LEU:HG	1:6:B:GLU:HA	4	0.59
(1,3113)	1:8:A:LEU:HG	1:6:A:GLU:HA	4	0.59
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG23	7	0.59
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG23	7	0.59
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG21	11	0.59
(1,3047)	1:30:A:LYS:HA	1:33:A:LEU:HD22	12	0.59
(1,3026)	1:30:B:LYS:HD2	1:51:B:LYS:HB2	16	0.59
(1,2972)	1:81:B:ALA:HB1	1:45:B:ILE:HG13	8	0.59
(1,2971)	1:81:A:ALA:HB1	1:45:A:ILE:HG13	8	0.59
(1,2966)	1:82:B:LEU:HG	1:83:B:LYS:HG2	8	0.59
(1,2952)	1:82:B:LEU:HG	1:83:B:LYS:HA	3	0.59
(1,2952)	1:82:B:LEU:HG	1:83:B:LYS:HA	14	0.59
(1,2951)	1:82:A:LEU:HG	1:83:A:LYS:HA	14	0.59
(1,2940)	1:51:B:LYS:HD2	1:54:B:ILE:HD12	5	0.59
(1,2939)	1:51:A:LYS:HD2	1:54:A:ILE:HD12	5	0.59
(1,2939)	1:51:A:LYS:HD2	1:54:A:ILE:HD11	16	0.59
(1,2830)	1:79:B:ALA:HB3	1:80:B:ILE:HA	6	0.59
(1,2830)	1:79:B:ALA:HB1	1:80:B:ILE:HA	8	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2830)	1:79:B:ALA:HB1	1:80:B:ILE:HA	10	0.59
(1,2829)	1:79:A:ALA:HB3	1:80:A:ILE:HA	6	0.59
(1,2829)	1:79:A:ALA:HB1	1:80:A:ILE:HA	8	0.59
(1,2829)	1:79:A:ALA:HB1	1:80:A:ILE:HA	10	0.59
(1,2818)	1:53:B:VAL:HG13	1:46:B:LYS:HG3	20	0.59
(1,2817)	1:53:A:VAL:HG13	1:46:A:LYS:HG3	20	0.59
(1,2750)	1:32:B:GLU:HG3	1:33:B:LEU:HB3	6	0.59
(1,2750)	1:32:B:GLU:HG3	1:33:B:LEU:HB3	16	0.59
(1,2749)	1:32:A:GLU:HG3	1:33:A:LEU:HB3	16	0.59
(1,2680)	1:49:B:LYS:HB2	1:47:B:ASN:HB3	15	0.59
(1,2679)	1:49:A:LYS:HB2	1:47:A:ASN:HB3	15	0.59
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB2	2	0.59
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB2	12	0.59
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB2	12	0.59
(1,2654)	1:59:B:GLN:HB2	1:57:B:ILE:HB	2	0.59
(1,2653)	1:59:A:GLN:HB2	1:57:A:ILE:HB	1	0.59
(1,2653)	1:59:A:GLN:HB2	1:57:A:ILE:HB	2	0.59
(1,2644)	1:50:B:ASP:HB3	1:51:B:LYS:HB3	17	0.59
(1,2644)	1:50:B:ASP:HB3	1:51:B:LYS:HB3	19	0.59
(1,2643)	1:50:A:ASP:HB3	1:51:A:LYS:HB3	1	0.59
(1,2643)	1:50:A:ASP:HB3	1:51:A:LYS:HB3	19	0.59
(1,2596)	1:85:B:ALA:HB3	1:9:A:GLU:HB3	13	0.59
(1,2595)	1:85:A:ALA:HB3	1:9:B:GLU:HB3	13	0.59
(1,2561)	1:83:A:LYS:HB2	1:83:A:LYS:HE2	7	0.59
(1,2442)	1:30:B:LYS:HA	1:67:B:GLU:HG2	10	0.59
(1,2441)	1:30:A:LYS:HA	1:67:A:GLU:HG2	10	0.59
(1,2426)	1:67:B:GLU:HG2	1:30:B:LYS:HE2	7	0.59
(1,2425)	1:67:A:GLU:HG2	1:30:A:LYS:HE2	7	0.59
(1,2408)	1:52:B:ALA:HB3	1:56:B:GLU:HG2	10	0.59
(1,2407)	1:52:A:ALA:HB3	1:56:A:GLU:HG2	10	0.59
(1,2401)	1:51:A:LYS:HD2	1:53:A:VAL:HB	15	0.59
(1,2344)	1:54:B:ILE:HG22	1:30:B:LYS:HE2	16	0.59
(1,2343)	1:54:A:ILE:HG22	1:30:A:LYS:HE2	16	0.59
(1,2336)	1:30:B:LYS:HE2	1:58:B:PHE:HB3	1	0.59
(1,2335)	1:30:A:LYS:HE2	1:58:A:PHE:HB3	1	0.59
(1,2322)	1:67:B:GLU:HB2	1:30:B:LYS:HE3	19	0.59
(1,2295)	1:59:A:GLN:HG2	1:55:A:ASP:HB3	3	0.59
(1,2264)	1:88:B:HIS:HB3	1:86:B:HIS:HB2	19	0.59
(1,2264)	1:88:B:HIS:HB3	1:86:B:HIS:HB2	20	0.59
(1,2263)	1:88:A:HIS:HB3	1:86:A:HIS:HB2	20	0.59
(1,2192)	1:46:B:LYS:HE3	1:90:B:HIS:HB2	17	0.59
(1,2163)	1:51:A:LYS:HE2	1:58:A:PHE:HB2	5	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2129)	1:73:A:GLU:HA	1:72:A:GLN:HA	6	0.59
(1,2108)	1:61:B:LEU:HD22	1:60:B:GLY:HA3	15	0.59
(1,2086)	1:54:B:ILE:HA	1:53:B:VAL:HA	1	0.59
(1,2085)	1:54:A:ILE:HA	1:53:A:VAL:HA	1	0.59
(1,2081)	1:78:A:VAL:HG22	1:74:A:PHE:HA	5	0.59
(1,1976)	1:54:B:ILE:HB	1:49:B:LYS:HA	16	0.59
(1,1942)	1:30:B:LYS:HD2	1:52:B:ALA:HA	15	0.59
(1,1941)	1:30:A:LYS:HD2	1:52:A:ALA:HA	15	0.59
(1,1941)	1:30:A:LYS:HD3	1:52:A:ALA:HA	18	0.59
(1,1881)	1:49:A:LYS:HE2	1:50:A:ASP:HA	11	0.59
(1,1803)	1:85:A:ALA:HB1	1:12:B:VAL:H	5	0.59
(1,1704)	1:8:B:LEU:HG	1:45:A:ILE:HG13	10	0.59
(1,1703)	1:8:A:LEU:HG	1:45:B:ILE:HG13	10	0.59
(1,1703)	1:8:A:LEU:HG	1:45:B:ILE:HG13	15	0.59
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG12	13	0.59
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG11	18	0.59
(1,1482)	1:3:B:LYS:H	1:6:B:GLU:HB3	15	0.59
(1,809)	1:53:A:VAL:HG11	1:45:A:ILE:HD11	17	0.59
(1,806)	1:80:B:ILE:HD12	1:61:B:LEU:HD22	1	0.59
(1,805)	1:80:A:ILE:HD12	1:61:A:LEU:HD22	1	0.59
(1,584)	1:8:B:LEU:HB2	1:82:A:LEU:HB3	19	0.59
(1,466)	1:36:B:LEU:HD22	1:40:B:GLU:HG3	20	0.59
(1,389)	1:59:A:GLN:HG3	1:55:A:ASP:HB3	12	0.59
(1,329)	1:51:A:LYS:HE2	1:58:A:PHE:HB2	5	0.59
(1,117)	1:37:A:LEU:HD23	1:42:A:ALA:H	16	0.59
(2,138)	1:75:B:ILE:H	1:61:B:LEU:HB2	17	0.58
(2,137)	1:75:A:ILE:H	1:61:A:LEU:HB2	17	0.58
(2,137)	1:75:A:ILE:H	1:61:A:LEU:HB2	20	0.58
(2,57)	1:32:A:GLU:HB2	1:35:A:GLN:HB2	6	0.58
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD23	1	0.58
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD23	1	0.58
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD11	20	0.58
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD11	12	0.58
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD11	20	0.58
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD21	10	0.58
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD21	10	0.58
(1,3738)	1:11:B:ILE:H	1:12:B:VAL:HG12	10	0.58
(1,3730)	1:37:B:LEU:H	1:36:B:LEU:HG	5	0.58
(1,3729)	1:37:A:LEU:H	1:36:A:LEU:HG	5	0.58
(1,3726)	1:41:B:LEU:H	1:48:B:ILE:HG13	8	0.58
(1,3725)	1:41:A:LEU:H	1:48:A:ILE:HG13	8	0.58
(1,3725)	1:41:A:LEU:H	1:48:A:ILE:HG13	17	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3700)	1:84:B:ALA:H	1:44:B:THR:HG23	13	0.58
(1,3699)	1:84:A:ALA:H	1:44:A:THR:HG23	13	0.58
(1,3626)	1:38:B:THR:H	1:54:B:ILE:HG12	6	0.58
(1,3625)	1:38:A:THR:H	1:54:A:ILE:HG12	6	0.58
(1,3613)	1:52:A:ALA:H	1:51:A:LYS:HD2	19	0.58
(1,3612)	1:34:B:LYS:H	1:36:B:LEU:HB3	8	0.58
(1,3612)	1:34:B:LYS:H	1:36:B:LEU:HB3	14	0.58
(1,3611)	1:34:A:LYS:H	1:36:A:LEU:HB3	8	0.58
(1,3611)	1:34:A:LYS:H	1:36:A:LEU:HB3	14	0.58
(1,3608)	1:43:B:ASN:H	1:49:B:LYS:HD3	20	0.58
(1,3607)	1:43:A:ASN:H	1:49:A:LYS:HD3	20	0.58
(1,3602)	1:57:B:ILE:H	1:54:B:ILE:HG13	18	0.58
(1,3601)	1:57:A:ILE:H	1:54:A:ILE:HG13	18	0.58
(1,3576)	1:53:B:VAL:H	1:51:B:LYS:HB3	4	0.58
(1,3576)	1:53:B:VAL:H	1:51:B:LYS:HB3	5	0.58
(1,3576)	1:53:B:VAL:H	1:51:B:LYS:HB3	14	0.58
(1,3575)	1:53:A:VAL:H	1:51:A:LYS:HB3	4	0.58
(1,3575)	1:53:A:VAL:H	1:51:A:LYS:HB3	5	0.58
(1,3572)	1:36:B:LEU:H	1:37:B:LEU:HG	9	0.58
(1,3572)	1:36:B:LEU:H	1:37:B:LEU:HG	10	0.58
(1,3571)	1:36:A:LEU:H	1:37:A:LEU:HG	9	0.58
(1,3537)	1:75:A:ILE:H	1:73:A:GLU:HB2	6	0.58
(1,3513)	1:83:A:LYS:H	1:8:B:LEU:HB3	15	0.58
(1,3505)	1:18:A:TYR:H	1:35:A:GLN:HB3	19	0.58
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG2	10	0.58
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG2	18	0.58
(1,3417)	1:10:A:GLY:H	1:7:A:HIS:HB2	5	0.58
(1,3119)	1:82:A:LEU:HA	1:8:B:LEU:HD22	5	0.58
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG21	11	0.58
(1,3078)	1:80:B:ILE:HD13	1:60:B:GLY:HA3	11	0.58
(1,3077)	1:80:A:ILE:HD13	1:60:A:GLY:HA3	11	0.58
(1,3036)	1:9:B:GLU:HG3	1:12:B:VAL:HG12	4	0.58
(1,3035)	1:9:A:GLU:HG3	1:12:A:VAL:HG12	4	0.58
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG13	11	0.58
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG13	11	0.58
(1,2988)	1:53:B:VAL:HG12	1:56:B:GLU:HG3	11	0.58
(1,2987)	1:53:A:VAL:HG12	1:56:A:GLU:HG3	11	0.58
(1,2972)	1:81:B:ALA:HB3	1:44:B:THR:HG21	7	0.58
(1,2972)	1:81:B:ALA:HB3	1:44:B:THR:HG23	16	0.58
(1,2972)	1:81:B:ALA:HB2	1:45:B:ILE:HG13	18	0.58
(1,2972)	1:81:B:ALA:HB2	1:45:B:ILE:HG13	20	0.58
(1,2971)	1:81:A:ALA:HB3	1:44:A:THR:HG21	7	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2971)	1:81:A:ALA:HB2	1:45:A:ILE:HG13	18	0.58
(1,2971)	1:81:A:ALA:HB2	1:45:A:ILE:HG13	20	0.58
(1,2965)	1:82:A:LEU:HG	1:83:A:LYS:HG2	8	0.58
(1,2940)	1:51:B:LYS:HD2	1:54:B:ILE:HD11	16	0.58
(1,2892)	1:82:B:LEU:HG	1:78:B:VAL:HB	3	0.58
(1,2830)	1:79:B:ALA:HB3	1:80:B:ILE:HA	5	0.58
(1,2829)	1:79:A:ALA:HB3	1:80:A:ILE:HA	5	0.58
(1,2803)	1:63:A:ALA:HB3	1:64:A:ASN:HB3	4	0.58
(1,2749)	1:32:A:GLU:HG3	1:33:A:LEU:HB3	6	0.58
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB3	11	0.58
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB2	2	0.58
(1,2654)	1:59:B:GLN:HB2	1:57:B:ILE:HB	1	0.58
(1,2644)	1:50:B:ASP:HB3	1:51:B:LYS:HB3	4	0.58
(1,2644)	1:50:B:ASP:HB3	1:51:B:LYS:HB3	5	0.58
(1,2643)	1:50:A:ASP:HB3	1:51:A:LYS:HB3	5	0.58
(1,2643)	1:50:A:ASP:HB3	1:51:A:LYS:HB3	17	0.58
(1,2642)	1:33:B:LEU:HB3	1:34:B:LYS:HB2	10	0.58
(1,2641)	1:33:A:LEU:HB3	1:34:A:LYS:HB2	10	0.58
(1,2616)	1:59:B:GLN:HG2	1:57:B:ILE:HB	1	0.58
(1,2615)	1:59:A:GLN:HG2	1:57:A:ILE:HB	1	0.58
(1,2615)	1:59:A:GLN:HG2	1:57:A:ILE:HB	3	0.58
(1,2612)	1:83:B:LYS:HB2	1:83:B:LYS:HE3	2	0.58
(1,2612)	1:91:B:LYS:HE3	1:83:B:LYS:HB3	6	0.58
(1,2611)	1:83:A:LYS:HB2	1:83:A:LYS:HE3	2	0.58
(1,2611)	1:91:A:LYS:HE3	1:83:A:LYS:HB3	6	0.58
(1,2605)	1:49:A:LYS:HB3	1:49:A:LYS:HE3	7	0.58
(1,2592)	1:89:B:THR:HG23	1:83:B:LYS:HB3	20	0.58
(1,2591)	1:89:A:THR:HG23	1:83:A:LYS:HB3	20	0.58
(1,2562)	1:83:B:LYS:HB2	1:83:B:LYS:HE2	7	0.58
(1,2553)	1:79:A:ALA:HA	1:78:A:VAL:HB	18	0.58
(1,2496)	1:32:B:GLU:HG2	1:35:B:GLN:HB2	7	0.58
(1,2479)	1:62:A:ASP:HB3	1:59:A:GLN:HB3	16	0.58
(1,2426)	1:67:B:GLU:HG3	1:30:B:LYS:HE3	11	0.58
(1,2425)	1:67:A:GLU:HG3	1:30:A:LYS:HE3	11	0.58
(1,2321)	1:67:A:GLU:HB2	1:30:A:LYS:HE3	19	0.58
(1,2263)	1:88:A:HIS:HB3	1:86:A:HIS:HB2	19	0.58
(1,2225)	1:82:A:LEU:HD12	1:78:B:VAL:HA	11	0.58
(1,2192)	1:90:B:HIS:HB2	1:87:B:TYR:HB3	20	0.58
(1,2191)	1:90:A:HIS:HB2	1:87:A:TYR:HB3	20	0.58
(1,2166)	1:12:B:VAL:HG23	1:16:B:HIS:HB2	17	0.58
(1,2165)	1:12:A:VAL:HG23	1:16:A:HIS:HB2	17	0.58
(1,2164)	1:51:B:LYS:HE2	1:58:B:PHE:HB2	5	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2130)	1:73:B:GLU:HA	1:72:B:GLN:HA	16	0.58
(1,2129)	1:73:A:GLU:HA	1:72:A:GLN:HA	16	0.58
(1,2086)	1:54:B:ILE:HA	1:53:B:VAL:HA	12	0.58
(1,2085)	1:54:A:ILE:HA	1:53:A:VAL:HA	12	0.58
(1,2082)	1:78:B:VAL:HG22	1:74:B:PHE:HA	5	0.58
(1,2082)	1:78:B:VAL:HG23	1:74:B:PHE:HA	6	0.58
(1,2076)	1:79:B:ALA:HA	1:79:A:ALA:HA	7	0.58
(1,2075)	1:79:A:ALA:HA	1:79:B:ALA:HA	7	0.58
(1,2074)	1:79:B:ALA:HA	1:79:A:ALA:HA	7	0.58
(1,2073)	1:79:A:ALA:HA	1:79:B:ALA:HA	7	0.58
(1,2073)	1:81:A:ALA:HA	1:79:A:ALA:HA	13	0.58
(1,2000)	1:74:B:PHE:HA	1:77:B:LEU:HA	9	0.58
(1,1999)	1:74:A:PHE:HA	1:77:A:LEU:HA	9	0.58
(1,1976)	1:54:B:ILE:HB	1:49:B:LYS:HA	1	0.58
(1,1975)	1:54:A:ILE:HB	1:49:A:LYS:HA	1	0.58
(1,1942)	1:30:B:LYS:HD3	1:52:B:ALA:HA	18	0.58
(1,1900)	1:44:B:THR:HG22	1:88:B:HIS:HA	17	0.58
(1,1899)	1:44:A:THR:HG22	1:88:A:HIS:HA	17	0.58
(1,1882)	1:49:B:LYS:HE2	1:50:B:ASP:HA	14	0.58
(1,1881)	1:49:A:LYS:HE2	1:50:A:ASP:HA	14	0.58
(1,1804)	1:85:B:ALA:HB1	1:12:A:VAL:H	5	0.58
(1,1768)	1:72:B:GLN:H	1:72:B:GLN:HG2	9	0.58
(1,1768)	1:72:B:GLN:H	1:72:B:GLN:HG2	11	0.58
(1,1767)	1:72:A:GLN:H	1:72:A:GLN:HG2	9	0.58
(1,1767)	1:72:A:GLN:H	1:72:A:GLN:HG2	11	0.58
(1,1704)	1:8:B:LEU:HG	1:45:A:ILE:HG13	15	0.58
(1,1695)	1:83:A:LYS:HE3	1:71:B:PHE:HB2	19	0.58
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG12	13	0.58
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG11	18	0.58
(1,1481)	1:3:A:LYS:H	1:6:A:GLU:HB3	15	0.58
(1,1467)	1:68:A:GLN:H	1:68:A:GLN:HG3	9	0.58
(1,810)	1:53:B:VAL:HG11	1:45:B:ILE:HD11	17	0.58
(1,576)	1:61:B:LEU:HD21	1:61:B:LEU:HB2	2	0.58
(1,576)	1:61:B:LEU:HD21	1:61:B:LEU:HB2	7	0.58
(1,576)	1:61:B:LEU:HD22	1:61:B:LEU:HB2	11	0.58
(1,576)	1:61:B:LEU:HD22	1:61:B:LEU:HB2	13	0.58
(1,575)	1:61:A:LEU:HD21	1:61:A:LEU:HB2	2	0.58
(1,575)	1:61:A:LEU:HD21	1:61:A:LEU:HB2	7	0.58
(1,575)	1:61:A:LEU:HD22	1:61:A:LEU:HB2	11	0.58
(1,575)	1:61:A:LEU:HD22	1:61:A:LEU:HB2	13	0.58
(1,470)	1:36:B:LEU:HD13	1:40:B:GLU:HG3	6	0.58
(1,469)	1:36:A:LEU:HD13	1:40:A:GLU:HG3	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,424)	1:39:B:LYS:HD2	1:35:B:GLN:HB3	1	0.58
(1,424)	1:39:B:LYS:HD3	1:35:B:GLN:HB3	10	0.58
(1,423)	1:39:A:LYS:HD2	1:35:A:GLN:HB3	1	0.58
(1,423)	1:39:A:LYS:HD3	1:35:A:GLN:HB3	10	0.58
(1,330)	1:51:B:LYS:HE2	1:58:B:PHE:HB2	5	0.58
(1,124)	1:36:B:LEU:HD21	1:42:B:ALA:H	5	0.58
(1,123)	1:36:A:LEU:HD21	1:42:A:ALA:H	5	0.58
(1,119)	1:8:A:LEU:HD13	1:42:B:ALA:H	13	0.58
(1,118)	1:37:B:LEU:HD23	1:42:B:ALA:H	16	0.58
(2,137)	1:75:A:ILE:H	1:61:A:LEU:HB2	11	0.57
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD21	14	0.57
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD21	14	0.57
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD11	12	0.57
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG22	2	0.57
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG23	16	0.57
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG22	2	0.57
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG23	16	0.57
(1,3754)	1:51:B:LYS:H	1:53:B:VAL:HG23	19	0.57
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD23	18	0.57
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD23	18	0.57
(1,3737)	1:11:A:ILE:H	1:12:A:VAL:HG12	10	0.57
(1,3726)	1:41:B:LEU:H	1:48:B:ILE:HG13	3	0.57
(1,3726)	1:41:B:LEU:H	1:48:B:ILE:HG13	17	0.57
(1,3725)	1:41:A:LEU:H	1:48:A:ILE:HG13	3	0.57
(1,3682)	1:39:B:LYS:H	1:37:B:LEU:HB2	8	0.57
(1,3681)	1:39:A:LYS:H	1:37:A:LEU:HB2	8	0.57
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD11	20	0.57
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD11	14	0.57
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD11	20	0.57
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB2	1	0.57
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB2	1	0.57
(1,3614)	1:52:B:ALA:H	1:51:B:LYS:HD2	12	0.57
(1,3613)	1:52:A:ALA:H	1:51:A:LYS:HD2	12	0.57
(1,3612)	1:34:B:LYS:H	1:36:B:LEU:HB3	18	0.57
(1,3611)	1:34:A:LYS:H	1:36:A:LEU:HB3	18	0.57
(1,3608)	1:43:B:ASN:H	1:49:B:LYS:HD3	7	0.57
(1,3576)	1:53:B:VAL:H	1:51:B:LYS:HB3	20	0.57
(1,3575)	1:53:A:VAL:H	1:51:A:LYS:HB3	14	0.57
(1,3575)	1:53:A:VAL:H	1:51:A:LYS:HB3	20	0.57
(1,3572)	1:36:B:LEU:H	1:37:B:LEU:HG	18	0.57
(1,3538)	1:75:B:ILE:H	1:73:B:GLU:HB2	6	0.57
(1,3518)	1:10:B:GLY:H	1:9:B:GLU:HG3	1	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3517)	1:10:A:GLY:H	1:9:A:GLU:HG3	1	0.57
(1,3506)	1:18:B:TYR:H	1:35:B:GLN:HB3	19	0.57
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG2	6	0.57
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG2	15	0.57
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG2	17	0.57
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG2	6	0.57
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG2	15	0.57
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG2	17	0.57
(1,3478)	1:70:B:ASP:H	1:72:B:GLN:HG2	18	0.57
(1,3477)	1:70:A:ASP:H	1:72:A:GLN:HG2	18	0.57
(1,3418)	1:10:B:GLY:H	1:7:B:HIS:HB2	4	0.57
(1,3418)	1:10:B:GLY:H	1:7:B:HIS:HB2	5	0.57
(1,3116)	1:8:B:LEU:HG	1:6:B:GLU:HA	2	0.57
(1,3114)	1:8:B:LEU:HG	1:6:B:GLU:HA	2	0.57
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG11	12	0.57
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG11	12	0.57
(1,2971)	1:81:A:ALA:HB3	1:44:A:THR:HG23	16	0.57
(1,2952)	1:82:B:LEU:HG	1:83:B:LYS:HA	11	0.57
(1,2952)	1:82:B:LEU:HG	1:83:B:LYS:HA	17	0.57
(1,2951)	1:82:A:LEU:HG	1:83:A:LYS:HA	11	0.57
(1,2951)	1:82:A:LEU:HG	1:83:A:LYS:HA	17	0.57
(1,2891)	1:82:A:LEU:HG	1:78:A:VAL:HB	3	0.57
(1,2884)	1:30:B:LYS:HB2	1:33:B:LEU:HB3	1	0.57
(1,2883)	1:30:A:LYS:HB2	1:33:A:LEU:HB3	1	0.57
(1,2830)	1:79:B:ALA:HB2	1:80:B:ILE:HA	11	0.57
(1,2830)	1:79:B:ALA:HB3	1:80:B:ILE:HA	12	0.57
(1,2829)	1:79:A:ALA:HB2	1:80:A:ILE:HA	11	0.57
(1,2829)	1:79:A:ALA:HB3	1:80:A:ILE:HA	12	0.57
(1,2818)	1:53:B:VAL:HG13	1:46:B:LYS:HG3	4	0.57
(1,2817)	1:53:A:VAL:HG13	1:46:A:LYS:HG3	4	0.57
(1,2750)	1:32:B:GLU:HG2	1:33:B:LEU:HB3	15	0.57
(1,2749)	1:32:A:GLU:HG2	1:33:A:LEU:HB3	15	0.57
(1,2742)	1:75:B:ILE:HG13	1:83:A:LYS:HD3	1	0.57
(1,2741)	1:75:A:ILE:HG13	1:83:B:LYS:HD3	1	0.57
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB2	13	0.57
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB3	11	0.57
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB2	13	0.57
(1,2654)	1:59:B:GLN:HB2	1:57:B:ILE:HB	3	0.57
(1,2654)	1:59:B:GLN:HB2	1:57:B:ILE:HB	6	0.57
(1,2654)	1:59:B:GLN:HB2	1:57:B:ILE:HB	9	0.57
(1,2654)	1:59:B:GLN:HB2	1:57:B:ILE:HB	10	0.57
(1,2653)	1:59:A:GLN:HB2	1:57:A:ILE:HB	3	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2653)	1:59:A:GLN:HB2	1:57:A:ILE:HB	6	0.57
(1,2653)	1:59:A:GLN:HB2	1:57:A:ILE:HB	10	0.57
(1,2616)	1:59:B:GLN:HG2	1:57:B:ILE:HB	3	0.57
(1,2606)	1:49:B:LYS:HB3	1:49:B:LYS:HE3	7	0.57
(1,2554)	1:79:B:ALA:HA	1:78:A:VAL:HB	3	0.57
(1,2554)	1:79:B:ALA:HA	1:78:B:VAL:HB	18	0.57
(1,2553)	1:79:A:ALA:HA	1:78:B:VAL:HB	3	0.57
(1,2495)	1:32:A:GLU:HG2	1:35:A:GLN:HB2	7	0.57
(1,2480)	1:62:B:ASP:HB3	1:59:B:GLN:HB3	10	0.57
(1,2480)	1:62:B:ASP:HB3	1:59:B:GLN:HB3	12	0.57
(1,2480)	1:62:B:ASP:HB3	1:59:B:GLN:HB3	16	0.57
(1,2479)	1:62:A:ASP:HB3	1:59:A:GLN:HB3	10	0.57
(1,2479)	1:62:A:ASP:HB3	1:59:A:GLN:HB3	12	0.57
(1,2412)	1:75:B:ILE:HD12	1:71:B:PHE:HB2	9	0.57
(1,2411)	1:75:A:ILE:HD12	1:71:A:PHE:HB2	9	0.57
(1,2408)	1:52:B:ALA:HB1	1:56:B:GLU:HG3	4	0.57
(1,2407)	1:52:A:ALA:HB1	1:56:A:GLU:HG3	4	0.57
(1,2368)	1:62:B:ASP:HB2	1:67:B:GLU:HB2	19	0.57
(1,2367)	1:62:A:ASP:HB2	1:67:A:GLU:HB2	19	0.57
(1,2330)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	15	0.57
(1,2278)	1:42:B:ALA:HB3	1:43:B:ASN:HB3	18	0.57
(1,2277)	1:42:A:ALA:HB3	1:43:A:ASN:HB3	18	0.57
(1,2270)	1:86:B:HIS:HB2	1:83:B:LYS:HA	3	0.57
(1,2269)	1:86:A:HIS:HB2	1:83:A:LYS:HA	3	0.57
(1,2261)	1:72:A:GLN:HG2	1:83:B:LYS:HE3	13	0.57
(1,2226)	1:82:B:LEU:HD12	1:78:A:VAL:HA	11	0.57
(1,2163)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	4	0.57
(1,2107)	1:61:A:LEU:HD22	1:60:A:GLY:HA3	15	0.57
(1,2081)	1:78:A:VAL:HG23	1:74:A:PHE:HA	6	0.57
(1,2074)	1:81:B:ALA:HA	1:79:B:ALA:HA	13	0.57
(1,2000)	1:74:B:PHE:HA	1:77:B:LEU:HA	10	0.57
(1,2000)	1:74:B:PHE:HA	1:77:B:LEU:HA	15	0.57
(1,1999)	1:74:A:PHE:HA	1:77:A:LEU:HA	10	0.57
(1,1942)	1:30:B:LYS:HD3	1:52:B:ALA:HA	5	0.57
(1,1941)	1:30:A:LYS:HD3	1:52:A:ALA:HA	5	0.57
(1,1882)	1:46:B:LYS:HE2	1:90:B:HIS:HA	4	0.57
(1,1881)	1:46:A:LYS:HE2	1:90:A:HIS:HA	4	0.57
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG23	12	0.57
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG23	12	0.57
(1,1806)	1:57:B:ILE:HG21	1:61:B:LEU:H	3	0.57
(1,1805)	1:57:A:ILE:HG21	1:61:A:LEU:H	3	0.57
(1,1768)	1:72:B:GLN:H	1:72:B:GLN:HG2	4	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1767)	1:72:A:GLN:H	1:72:A:GLN:HG2	4	0.57
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD11	11	0.57
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD11	11	0.57
(1,1704)	1:8:B:LEU:HG	1:45:A:ILE:HG13	11	0.57
(1,1704)	1:8:B:LEU:HG	1:45:A:ILE:HG13	13	0.57
(1,1703)	1:8:A:LEU:HG	1:45:B:ILE:HG13	11	0.57
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG11	20	0.57
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG11	20	0.57
(1,1468)	1:68:B:GLN:H	1:68:B:GLN:HG3	9	0.57
(1,829)	1:80:A:ILE:HD12	1:75:B:ILE:HG13	5	0.57
(1,806)	1:80:B:ILE:HD11	1:61:B:LEU:HD23	14	0.57
(1,805)	1:80:A:ILE:HD11	1:61:A:LEU:HD23	14	0.57
(1,576)	1:61:B:LEU:HD22	1:61:B:LEU:HB2	16	0.57
(1,576)	1:61:B:LEU:HD21	1:61:B:LEU:HB2	18	0.57
(1,575)	1:61:A:LEU:HD22	1:61:A:LEU:HB2	16	0.57
(1,575)	1:61:A:LEU:HD21	1:61:A:LEU:HB2	18	0.57
(1,470)	1:36:B:LEU:HD11	1:40:B:GLU:HG3	1	0.57
(1,470)	1:36:B:LEU:HD12	1:40:B:GLU:HG3	8	0.57
(1,469)	1:36:A:LEU:HD11	1:40:A:GLU:HG3	1	0.57
(1,469)	1:36:A:LEU:HD12	1:40:A:GLU:HG3	8	0.57
(1,424)	1:39:B:LYS:HD2	1:35:B:GLN:HB3	6	0.57
(1,389)	1:59:A:GLN:HG3	1:55:A:ASP:HB3	9	0.57
(1,329)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	4	0.57
(1,124)	1:36:B:LEU:HD23	1:42:B:ALA:H	9	0.57
(1,124)	1:36:B:LEU:HD23	1:42:B:ALA:H	20	0.57
(1,123)	1:36:A:LEU:HD23	1:42:A:ALA:H	9	0.57
(1,123)	1:36:A:LEU:HD21	1:42:A:ALA:H	18	0.57
(1,123)	1:36:A:LEU:HD23	1:42:A:ALA:H	20	0.57
(1,120)	1:8:B:LEU:HD13	1:42:A:ALA:H	5	0.57
(1,120)	1:8:B:LEU:HD12	1:42:A:ALA:H	18	0.57
(1,119)	1:8:A:LEU:HD13	1:42:B:ALA:H	5	0.57
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB3	1	0.57
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB3	7	0.57
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB3	1	0.57
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB3	7	0.57
(2,138)	1:75:B:ILE:H	1:61:B:LEU:HB2	11	0.56
(2,138)	1:75:B:ILE:H	1:61:B:LEU:HB2	13	0.56
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD21	19	0.56
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD21	19	0.56
(1,3753)	1:51:A:LYS:H	1:53:A:VAL:HG23	19	0.56
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD22	9	0.56
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD22	9	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3730)	1:37:B:LEU:H	1:36:B:LEU:HG	15	0.56
(1,3730)	1:37:B:LEU:H	1:36:B:LEU:HG	17	0.56
(1,3730)	1:37:B:LEU:H	1:36:B:LEU:HG	20	0.56
(1,3729)	1:37:A:LEU:H	1:36:A:LEU:HG	15	0.56
(1,3729)	1:37:A:LEU:H	1:36:A:LEU:HG	17	0.56
(1,3729)	1:37:A:LEU:H	1:36:A:LEU:HG	20	0.56
(1,3706)	1:12:B:VAL:H	1:82:A:LEU:HG	8	0.56
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD11	14	0.56
(1,3628)	1:51:B:LYS:H	1:51:B:LYS:HG3	13	0.56
(1,3627)	1:51:A:LYS:H	1:51:A:LYS:HG3	13	0.56
(1,3612)	1:34:B:LYS:H	1:36:B:LEU:HB3	15	0.56
(1,3611)	1:34:A:LYS:H	1:36:A:LEU:HB3	15	0.56
(1,3608)	1:43:B:ASN:H	1:49:B:LYS:HD3	6	0.56
(1,3608)	1:43:B:ASN:H	1:49:B:LYS:HD3	15	0.56
(1,3607)	1:43:A:ASN:H	1:49:A:LYS:HD3	7	0.56
(1,3607)	1:43:A:ASN:H	1:49:A:LYS:HD3	15	0.56
(1,3575)	1:53:A:VAL:H	1:51:A:LYS:HB3	12	0.56
(1,3572)	1:36:B:LEU:H	1:37:B:LEU:HG	14	0.56
(1,3571)	1:36:A:LEU:H	1:37:A:LEU:HG	14	0.56
(1,3571)	1:36:A:LEU:H	1:37:A:LEU:HG	18	0.56
(1,3538)	1:75:B:ILE:H	1:73:B:GLU:HB2	1	0.56
(1,3537)	1:75:A:ILE:H	1:73:A:GLU:HB2	1	0.56
(1,3506)	1:18:B:TYR:H	1:40:B:GLU:HG3	20	0.56
(1,3505)	1:18:A:TYR:H	1:40:A:GLU:HG3	20	0.56
(1,3502)	1:67:B:GLU:H	1:66:B:ASP:HB3	7	0.56
(1,3501)	1:67:A:GLU:H	1:66:A:ASP:HB3	7	0.56
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG2	7	0.56
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG2	7	0.56
(1,3480)	1:85:B:ALA:H	1:12:A:VAL:HB	11	0.56
(1,3479)	1:85:A:ALA:H	1:12:B:VAL:HB	11	0.56
(1,3479)	1:85:A:ALA:H	1:12:B:VAL:HB	14	0.56
(1,3417)	1:10:A:GLY:H	1:7:A:HIS:HB2	4	0.56
(1,3246)	1:46:B:LYS:H	1:90:B:HIS:H	13	0.56
(1,3220)	1:30:B:LYS:HG3	1:62:B:ASP:HB2	19	0.56
(1,3219)	1:30:A:LYS:HG3	1:62:A:ASP:HB2	19	0.56
(1,3178)	1:83:B:LYS:HE2	1:75:A:ILE:HD12	16	0.56
(1,3145)	1:88:A:HIS:HB2	1:12:B:VAL:HG21	13	0.56
(1,3119)	1:82:A:LEU:HA	1:8:B:LEU:HD21	10	0.56
(1,3115)	1:8:A:LEU:HG	1:6:A:GLU:HA	2	0.56
(1,3113)	1:8:A:LEU:HG	1:6:A:GLU:HA	2	0.56
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG11	5	0.56
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG13	18	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG11	5	0.56
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG13	18	0.56
(1,2972)	1:81:B:ALA:HB2	1:45:B:ILE:HG13	17	0.56
(1,2971)	1:81:A:ALA:HB2	1:45:A:ILE:HG13	17	0.56
(1,2950)	1:82:B:LEU:HG	1:80:B:ILE:HA	8	0.56
(1,2949)	1:82:A:LEU:HG	1:80:A:ILE:HA	8	0.56
(1,2940)	1:51:B:LYS:HD2	1:54:B:ILE:HD12	8	0.56
(1,2940)	1:51:B:LYS:HD2	1:54:B:ILE:HD11	12	0.56
(1,2939)	1:51:A:LYS:HD2	1:54:A:ILE:HD12	8	0.56
(1,2939)	1:51:A:LYS:HD2	1:54:A:ILE:HD11	12	0.56
(1,2939)	1:51:A:LYS:HD2	1:54:A:ILE:HD12	15	0.56
(1,2937)	1:7:A:HIS:HB2	1:44:B:THR:HG23	19	0.56
(1,2884)	1:79:B:ALA:HB1	1:82:B:LEU:HB2	11	0.56
(1,2883)	1:79:A:ALA:HB1	1:82:A:LEU:HB2	11	0.56
(1,2832)	1:58:B:PHE:HA	1:77:B:LEU:HB2	12	0.56
(1,2831)	1:58:A:PHE:HA	1:77:A:LEU:HB2	12	0.56
(1,2830)	1:79:B:ALA:HB3	1:80:B:ILE:HA	1	0.56
(1,2830)	1:79:B:ALA:HB2	1:80:B:ILE:HA	14	0.56
(1,2829)	1:79:A:ALA:HB3	1:80:A:ILE:HA	1	0.56
(1,2829)	1:79:A:ALA:HB2	1:80:A:ILE:HA	14	0.56
(1,2804)	1:63:B:ALA:HB3	1:64:B:ASN:HB3	4	0.56
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB2	16	0.56
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB2	16	0.56
(1,2654)	1:59:B:GLN:HB2	1:57:B:ILE:HB	12	0.56
(1,2653)	1:59:A:GLN:HB2	1:57:A:ILE:HB	4	0.56
(1,2653)	1:59:A:GLN:HB2	1:57:A:ILE:HB	9	0.56
(1,2653)	1:59:A:GLN:HB2	1:57:A:ILE:HB	12	0.56
(1,2650)	1:34:B:LYS:HB3	1:32:B:GLU:HB3	14	0.56
(1,2649)	1:34:A:LYS:HB3	1:32:A:GLU:HB3	14	0.56
(1,2648)	1:67:B:GLU:HG2	1:68:B:GLN:HB2	17	0.56
(1,2647)	1:67:A:GLU:HG2	1:68:A:GLN:HB2	17	0.56
(1,2643)	1:50:A:ASP:HB3	1:51:A:LYS:HB3	4	0.56
(1,2612)	1:83:B:LYS:HB2	1:83:B:LYS:HE2	8	0.56
(1,2561)	1:83:A:LYS:HB2	1:83:A:LYS:HE3	2	0.56
(1,2554)	1:79:B:ALA:HA	1:78:B:VAL:HB	13	0.56
(1,2553)	1:79:A:ALA:HA	1:78:A:VAL:HB	13	0.56
(1,2480)	1:62:B:ASP:HB3	1:59:B:GLN:HB3	2	0.56
(1,2479)	1:62:A:ASP:HB3	1:59:A:GLN:HB3	2	0.56
(1,2352)	1:36:B:LEU:HB3	1:40:B:GLU:HB2	4	0.56
(1,2352)	1:36:B:LEU:HB3	1:40:B:GLU:HB2	20	0.56
(1,2351)	1:36:A:LEU:HB3	1:40:A:GLU:HB2	4	0.56
(1,2351)	1:36:A:LEU:HB3	1:40:A:GLU:HB2	20	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2329)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	15	0.56
(1,2329)	1:30:A:LYS:HE3	1:51:A:LYS:HE2	19	0.56
(1,2264)	1:88:B:HIS:HB3	1:86:B:HIS:HB2	7	0.56
(1,2263)	1:88:A:HIS:HB3	1:86:A:HIS:HB2	7	0.56
(1,2262)	1:72:B:GLN:HG2	1:83:A:LYS:HE3	13	0.56
(1,2256)	1:52:B:ALA:HB2	1:50:B:ASP:HB2	16	0.56
(1,2255)	1:52:A:ALA:HB2	1:50:A:ASP:HB2	16	0.56
(1,2240)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	9	0.56
(1,2239)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	9	0.56
(1,2232)	1:8:B:LEU:HD12	1:78:A:VAL:HA	4	0.56
(1,2231)	1:8:A:LEU:HD12	1:78:B:VAL:HA	4	0.56
(1,2231)	1:8:A:LEU:HD13	1:78:B:VAL:HA	18	0.56
(1,2210)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	9	0.56
(1,2209)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	9	0.56
(1,2178)	1:54:B:ILE:HG12	1:58:B:PHE:HB2	17	0.56
(1,2177)	1:54:A:ILE:HG12	1:58:A:PHE:HB2	17	0.56
(1,2170)	1:86:B:HIS:HA	1:88:B:HIS:HB3	8	0.56
(1,2169)	1:86:A:HIS:HA	1:88:A:HIS:HB3	8	0.56
(1,2166)	1:12:B:VAL:HG21	1:88:A:HIS:HB2	13	0.56
(1,2164)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	4	0.56
(1,2108)	1:61:B:LEU:HD22	1:60:B:GLY:HA3	6	0.56
(1,2107)	1:61:A:LEU:HD22	1:60:A:GLY:HA3	6	0.56
(1,2082)	1:78:B:VAL:HG23	1:74:B:PHE:HA	20	0.56
(1,2081)	1:78:A:VAL:HG23	1:74:A:PHE:HA	20	0.56
(1,2068)	1:48:B:ILE:HA	1:38:B:THR:HB	5	0.56
(1,2067)	1:48:A:ILE:HA	1:38:A:THR:HB	5	0.56
(1,2000)	1:74:B:PHE:HA	1:77:B:LEU:HA	12	0.56
(1,1999)	1:74:A:PHE:HA	1:77:A:LEU:HA	12	0.56
(1,1999)	1:74:A:PHE:HA	1:77:A:LEU:HA	14	0.56
(1,1999)	1:74:A:PHE:HA	1:77:A:LEU:HA	15	0.56
(1,1976)	1:54:B:ILE:HB	1:49:B:LYS:HA	20	0.56
(1,1975)	1:54:A:ILE:HB	1:49:A:LYS:HA	20	0.56
(1,1936)	1:83:B:LYS:HD2	1:87:B:TYR:HA	11	0.56
(1,1935)	1:83:A:LYS:HD2	1:87:A:TYR:HA	11	0.56
(1,1804)	1:84:B:ALA:H	1:85:B:ALA:HB1	17	0.56
(1,1803)	1:84:A:ALA:H	1:85:A:ALA:HB1	17	0.56
(1,1703)	1:8:A:LEU:HG	1:45:B:ILE:HG13	13	0.56
(1,1695)	1:83:A:LYS:HE3	1:71:B:PHE:HB2	20	0.56
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD13	18	0.56
(1,1500)	1:83:B:LYS:H	1:83:B:LYS:HB3	2	0.56
(1,1499)	1:83:A:LYS:H	1:83:A:LYS:HB3	2	0.56
(1,830)	1:80:B:ILE:HD12	1:75:A:ILE:HG13	5	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,806)	1:80:B:ILE:HD12	1:61:B:LEU:HD23	12	0.56
(1,805)	1:80:A:ILE:HD12	1:61:A:LEU:HD23	12	0.56
(1,576)	1:61:B:LEU:HD23	1:61:B:LEU:HB2	4	0.56
(1,576)	1:61:B:LEU:HD21	1:61:B:LEU:HB2	8	0.56
(1,576)	1:61:B:LEU:HD21	1:61:B:LEU:HB2	12	0.56
(1,576)	1:61:B:LEU:HD22	1:61:B:LEU:HB2	14	0.56
(1,575)	1:61:A:LEU:HD21	1:61:A:LEU:HB2	1	0.56
(1,575)	1:61:A:LEU:HD23	1:61:A:LEU:HB2	4	0.56
(1,575)	1:61:A:LEU:HD21	1:61:A:LEU:HB2	8	0.56
(1,575)	1:61:A:LEU:HD21	1:61:A:LEU:HB2	12	0.56
(1,575)	1:61:A:LEU:HD22	1:61:A:LEU:HB2	14	0.56
(1,423)	1:39:A:LYS:HD2	1:35:A:GLN:HB3	6	0.56
(1,390)	1:59:B:GLN:HG3	1:55:B:ASP:HB3	9	0.56
(1,389)	1:59:A:GLN:HG3	1:55:A:ASP:HB3	1	0.56
(1,330)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	4	0.56
(1,124)	1:36:B:LEU:HD21	1:42:B:ALA:H	18	0.56
(1,123)	1:36:A:LEU:HD23	1:42:A:ALA:H	11	0.56
(1,119)	1:8:A:LEU:HD12	1:42:B:ALA:H	18	0.56
(1,118)	1:37:B:LEU:HD21	1:42:B:ALA:H	2	0.56
(1,117)	1:37:A:LEU:HD21	1:42:A:ALA:H	2	0.56
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB2	14	0.56
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB2	14	0.56
(2,138)	1:75:B:ILE:H	1:61:B:LEU:HB2	7	0.55
(2,138)	1:75:B:ILE:H	1:61:B:LEU:HB2	18	0.55
(2,137)	1:75:A:ILE:H	1:61:A:LEU:HB2	13	0.55
(2,57)	1:32:A:GLU:HB2	1:35:A:GLN:HB2	1	0.55
(1,3824)	1:63:B:ALA:H	1:61:B:LEU:HD23	7	0.55
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD12	8	0.55
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD11	10	0.55
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD12	8	0.55
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD11	10	0.55
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG22	11	0.55
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG22	11	0.55
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG23	16	0.55
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG23	16	0.55
(1,3738)	1:11:B:ILE:H	1:12:B:VAL:HG11	2	0.55
(1,3737)	1:11:A:ILE:H	1:12:A:VAL:HG11	2	0.55
(1,3730)	1:37:B:LEU:H	1:36:B:LEU:HG	12	0.55
(1,3729)	1:37:A:LEU:H	1:36:A:LEU:HG	12	0.55
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG13	16	0.55
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG11	17	0.55
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG13	16	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG11	17	0.55
(1,3709)	1:44:A:THR:H	1:45:A:ILE:HG13	19	0.55
(1,3682)	1:39:B:LYS:H	1:37:B:LEU:HB2	7	0.55
(1,3667)	1:40:A:GLU:H	1:37:A:LEU:HB2	19	0.55
(1,3614)	1:52:B:ALA:H	1:51:B:LYS:HD2	1	0.55
(1,3614)	1:52:B:ALA:H	1:51:B:LYS:HD2	2	0.55
(1,3613)	1:52:A:ALA:H	1:51:A:LYS:HD2	2	0.55
(1,3608)	1:43:B:ASN:H	1:49:B:LYS:HD3	12	0.55
(1,3607)	1:43:A:ASN:H	1:49:A:LYS:HD3	6	0.55
(1,3607)	1:43:A:ASN:H	1:49:A:LYS:HD3	12	0.55
(1,3576)	1:53:B:VAL:H	1:51:B:LYS:HB3	12	0.55
(1,3572)	1:36:B:LEU:H	1:37:B:LEU:HG	20	0.55
(1,3571)	1:36:A:LEU:H	1:37:A:LEU:HG	20	0.55
(1,3538)	1:75:B:ILE:H	1:73:B:GLU:HB2	2	0.55
(1,3537)	1:75:A:ILE:H	1:73:A:GLU:HB2	2	0.55
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG2	8	0.55
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG2	16	0.55
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG2	8	0.55
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG2	16	0.55
(1,3418)	1:10:B:GLY:H	1:7:B:HIS:HB2	11	0.55
(1,3417)	1:10:A:GLY:H	1:7:A:HIS:HB2	11	0.55
(1,3245)	1:46:A:LYS:H	1:90:A:HIS:H	13	0.55
(1,3177)	1:83:A:LYS:HE2	1:75:B:ILE:HD12	16	0.55
(1,3088)	1:30:B:LYS:HD3	1:67:B:GLU:HG3	5	0.55
(1,3087)	1:30:A:LYS:HD3	1:67:A:GLU:HG3	5	0.55
(1,2972)	1:81:B:ALA:HB2	1:45:B:ILE:HG13	2	0.55
(1,2971)	1:81:A:ALA:HB2	1:45:A:ILE:HG13	10	0.55
(1,2952)	1:82:B:LEU:HG	1:83:B:LYS:HA	12	0.55
(1,2951)	1:82:A:LEU:HG	1:83:A:LYS:HA	12	0.55
(1,2940)	1:51:B:LYS:HD2	1:54:B:ILE:HD12	15	0.55
(1,2938)	1:7:B:HIS:HB2	1:44:A:THR:HG23	19	0.55
(1,2832)	1:58:B:PHE:HA	1:77:B:LEU:HB2	11	0.55
(1,2831)	1:58:A:PHE:HA	1:77:A:LEU:HB2	11	0.55
(1,2830)	1:79:B:ALA:HB3	1:80:B:ILE:HA	18	0.55
(1,2830)	1:79:B:ALA:HB1	1:80:B:ILE:HA	20	0.55
(1,2829)	1:79:A:ALA:HB3	1:80:A:ILE:HA	18	0.55
(1,2829)	1:79:A:ALA:HB1	1:80:A:ILE:HA	20	0.55
(1,2818)	1:53:B:VAL:HG13	1:46:B:LYS:HG3	7	0.55
(1,2818)	1:53:B:VAL:HG12	1:46:B:LYS:HG3	11	0.55
(1,2817)	1:53:A:VAL:HG13	1:46:A:LYS:HG3	7	0.55
(1,2817)	1:53:A:VAL:HG12	1:46:A:LYS:HG3	11	0.55
(1,2804)	1:63:B:ALA:HB3	1:64:B:ASN:HB3	19	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2803)	1:63:A:ALA:HB3	1:64:A:ASN:HB3	19	0.55
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB2	4	0.55
(1,2654)	1:59:B:GLN:HB2	1:57:B:ILE:HB	4	0.55
(1,2654)	1:59:B:GLN:HB2	1:57:B:ILE:HB	11	0.55
(1,2654)	1:59:B:GLN:HB2	1:57:B:ILE:HB	13	0.55
(1,2653)	1:59:A:GLN:HB2	1:57:A:ILE:HB	11	0.55
(1,2653)	1:59:A:GLN:HB2	1:57:A:ILE:HB	13	0.55
(1,2642)	1:33:B:LEU:HB3	1:34:B:LYS:HB2	15	0.55
(1,2641)	1:33:A:LEU:HB3	1:34:A:LYS:HB2	15	0.55
(1,2611)	1:83:A:LYS:HB2	1:83:A:LYS:HE2	8	0.55
(1,2562)	1:83:B:LYS:HB2	1:83:B:LYS:HE3	2	0.55
(1,2562)	1:91:B:LYS:HE3	1:83:B:LYS:HB3	6	0.55
(1,2561)	1:91:A:LYS:HE3	1:83:A:LYS:HB3	6	0.55
(1,2554)	1:79:B:ALA:HA	1:78:B:VAL:HB	10	0.55
(1,2553)	1:79:A:ALA:HA	1:78:A:VAL:HB	10	0.55
(1,2520)	1:7:B:HIS:HB3	1:6:B:GLU:HB3	3	0.55
(1,2519)	1:7:A:HIS:HB3	1:6:A:GLU:HB3	3	0.55
(1,2510)	1:83:B:LYS:HE3	1:72:A:GLN:HB3	10	0.55
(1,2505)	1:61:A:LEU:HG	1:60:A:GLY:HA3	13	0.55
(1,2460)	1:30:B:LYS:HD3	1:67:B:GLU:HG3	5	0.55
(1,2459)	1:30:A:LYS:HD3	1:67:A:GLU:HG3	5	0.55
(1,2402)	1:51:B:LYS:HD2	1:53:B:VAL:HB	10	0.55
(1,2401)	1:51:A:LYS:HD2	1:53:A:VAL:HB	10	0.55
(1,2344)	1:54:B:ILE:HG23	1:30:B:LYS:HE2	10	0.55
(1,2343)	1:54:A:ILE:HG23	1:30:A:LYS:HE2	10	0.55
(1,2330)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	11	0.55
(1,2330)	1:30:B:LYS:HE3	1:51:B:LYS:HE2	19	0.55
(1,2329)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	11	0.55
(1,2296)	1:59:B:GLN:HG2	1:55:B:ASP:HB3	16	0.55
(1,2232)	1:8:B:LEU:HD13	1:78:A:VAL:HA	18	0.55
(1,2088)	1:74:B:PHE:HA	1:76:B:SER:HB3	5	0.55
(1,2087)	1:74:A:PHE:HA	1:76:A:SER:HB3	5	0.55
(1,2082)	1:78:B:VAL:HG23	1:74:B:PHE:HA	13	0.55
(1,2081)	1:78:A:VAL:HG23	1:74:A:PHE:HA	13	0.55
(1,2072)	1:74:B:PHE:HA	1:76:B:SER:HB3	5	0.55
(1,2071)	1:74:A:PHE:HA	1:76:A:SER:HB3	5	0.55
(1,2000)	1:74:B:PHE:HA	1:77:B:LEU:HA	14	0.55
(1,1976)	1:54:B:ILE:HB	1:49:B:LYS:HA	19	0.55
(1,1975)	1:54:A:ILE:HB	1:49:A:LYS:HA	19	0.55
(1,1806)	1:57:B:ILE:HG22	1:61:B:LEU:H	7	0.55
(1,1805)	1:57:A:ILE:HG21	1:61:A:LEU:H	8	0.55
(1,1768)	1:72:B:GLN:H	1:72:B:GLN:HG2	14	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1767)	1:72:A:GLN:H	1:72:A:GLN:HG2	14	0.55
(1,1748)	1:91:B:LYS:H	1:84:B:ALA:HB1	2	0.55
(1,1747)	1:91:A:LYS:H	1:84:A:ALA:HB1	2	0.55
(1,1737)	1:75:A:ILE:HG23	1:82:B:LEU:HD13	9	0.55
(1,1704)	1:8:B:LEU:HG	1:45:A:ILE:HG13	5	0.55
(1,1704)	1:8:B:LEU:HG	1:45:A:ILE:HG13	16	0.55
(1,1703)	1:8:A:LEU:HG	1:45:B:ILE:HG13	2	0.55
(1,1695)	1:83:A:LYS:HE2	1:72:B:GLN:HG3	11	0.55
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG12	1	0.55
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG12	1	0.55
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG13	2	0.55
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG11	12	0.55
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG11	15	0.55
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG11	12	0.55
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG11	15	0.55
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD13	1	0.55
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD12	5	0.55
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD12	5	0.55
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD13	18	0.55
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB2	6	0.55
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB2	6	0.55
(1,805)	1:80:A:ILE:HD13	1:61:A:LEU:HD21	15	0.55
(1,576)	1:61:B:LEU:HD21	1:61:B:LEU:HB2	1	0.55
(1,576)	1:61:B:LEU:HD23	1:61:B:LEU:HB2	9	0.55
(1,576)	1:61:B:LEU:HD21	1:61:B:LEU:HB2	10	0.55
(1,576)	1:61:B:LEU:HD22	1:61:B:LEU:HB2	19	0.55
(1,575)	1:61:A:LEU:HD23	1:61:A:LEU:HB2	9	0.55
(1,575)	1:61:A:LEU:HD21	1:61:A:LEU:HB2	10	0.55
(1,575)	1:61:A:LEU:HD22	1:61:A:LEU:HB2	19	0.55
(1,390)	1:59:B:GLN:HG3	1:55:B:ASP:HB3	1	0.55
(1,124)	1:36:B:LEU:HD23	1:42:B:ALA:H	3	0.55
(1,124)	1:36:B:LEU:HD21	1:42:B:ALA:H	4	0.55
(1,124)	1:36:B:LEU:HD22	1:42:B:ALA:H	10	0.55
(1,124)	1:36:B:LEU:HD23	1:42:B:ALA:H	11	0.55
(1,123)	1:36:A:LEU:HD23	1:42:A:ALA:H	3	0.55
(1,123)	1:36:A:LEU:HD21	1:42:A:ALA:H	4	0.55
(1,123)	1:36:A:LEU:HD22	1:42:A:ALA:H	10	0.55
(1,120)	1:8:B:LEU:HD13	1:42:A:ALA:H	13	0.55
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB3	6	0.55
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB1	8	0.55
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB3	12	0.55
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB3	13	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB2	19	0.55
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB3	6	0.55
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB1	8	0.55
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB3	12	0.55
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB3	13	0.55
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB2	19	0.55
(2,137)	1:75:A:ILE:H	1:61:A:LEU:HB2	5	0.54
(2,137)	1:75:A:ILE:H	1:61:A:LEU:HB2	7	0.54
(2,137)	1:75:A:ILE:H	1:61:A:LEU:HB2	18	0.54
(2,58)	1:32:B:GLU:HB2	1:35:B:GLN:HB2	1	0.54
(1,3823)	1:63:A:ALA:H	1:61:A:LEU:HD23	7	0.54
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD11	4	0.54
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD13	11	0.54
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD11	4	0.54
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD13	11	0.54
(1,3800)	1:59:B:GLN:H	1:57:B:ILE:HG21	18	0.54
(1,3799)	1:59:A:GLN:H	1:57:A:ILE:HG21	18	0.54
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD21	8	0.54
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD21	11	0.54
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD21	15	0.54
(1,3752)	1:40:B:GLU:H	1:37:B:LEU:HD23	16	0.54
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD21	8	0.54
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD21	11	0.54
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD21	15	0.54
(1,3751)	1:40:A:GLU:H	1:37:A:LEU:HD23	16	0.54
(1,3716)	1:15:B:PHE:H	1:36:B:LEU:HG	11	0.54
(1,3710)	1:44:B:THR:H	1:45:B:ILE:HG13	19	0.54
(1,3705)	1:12:A:VAL:H	1:82:B:LEU:HG	8	0.54
(1,3681)	1:39:A:LYS:H	1:37:A:LEU:HB2	7	0.54
(1,3676)	1:50:B:ASP:H	1:54:B:ILE:HD13	8	0.54
(1,3668)	1:40:B:GLU:H	1:37:B:LEU:HB2	8	0.54
(1,3668)	1:40:B:GLU:H	1:37:B:LEU:HB2	13	0.54
(1,3668)	1:40:B:GLU:H	1:37:B:LEU:HB2	19	0.54
(1,3667)	1:40:A:GLU:H	1:37:A:LEU:HB2	8	0.54
(1,3667)	1:40:A:GLU:H	1:37:A:LEU:HB2	13	0.54
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB3	10	0.54
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB3	10	0.54
(1,3612)	1:34:B:LYS:H	1:36:B:LEU:HB3	2	0.54
(1,3612)	1:34:B:LYS:H	1:36:B:LEU:HB3	13	0.54
(1,3611)	1:34:A:LYS:H	1:36:A:LEU:HB3	2	0.54
(1,3611)	1:34:A:LYS:H	1:36:A:LEU:HB3	13	0.54
(1,3608)	1:43:B:ASN:H	1:49:B:LYS:HD3	19	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3607)	1:43:A:ASN:H	1:49:A:LYS:HD3	3	0.54
(1,3607)	1:43:A:ASN:H	1:49:A:LYS:HD3	19	0.54
(1,3602)	1:57:B:ILE:H	1:54:B:ILE:HG13	10	0.54
(1,3601)	1:57:A:ILE:H	1:54:A:ILE:HG13	10	0.54
(1,3517)	1:10:A:GLY:H	1:9:A:GLU:HG3	12	0.54
(1,3480)	1:85:B:ALA:H	1:12:A:VAL:HB	14	0.54
(1,3230)	1:75:B:ILE:HD13	1:78:A:VAL:HG12	17	0.54
(1,3229)	1:75:A:ILE:HD13	1:78:B:VAL:HG12	17	0.54
(1,3220)	1:30:B:LYS:HG3	1:62:B:ASP:HB2	7	0.54
(1,3219)	1:30:A:LYS:HG3	1:62:A:ASP:HB2	7	0.54
(1,3182)	1:72:B:GLN:HG3	1:75:B:ILE:HG22	3	0.54
(1,3182)	1:72:B:GLN:HG3	1:75:B:ILE:HG22	9	0.54
(1,3181)	1:75:A:ILE:HD13	1:72:A:GLN:HG3	3	0.54
(1,3181)	1:72:A:GLN:HG3	1:75:A:ILE:HG22	9	0.54
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG22	1	0.54
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG22	1	0.54
(1,3077)	1:57:A:ILE:HG23	1:60:A:GLY:HA3	8	0.54
(1,3074)	1:59:B:GLN:HA	1:61:B:LEU:HD11	18	0.54
(1,3026)	1:30:B:LYS:HD2	1:51:B:LYS:HB2	2	0.54
(1,3025)	1:30:A:LYS:HD2	1:51:A:LYS:HB2	2	0.54
(1,2994)	1:34:B:LYS:HB2	1:33:B:LEU:HD21	8	0.54
(1,2993)	1:34:A:LYS:HB2	1:33:A:LEU:HD21	8	0.54
(1,2972)	1:81:B:ALA:HB2	1:45:B:ILE:HG13	10	0.54
(1,2971)	1:81:A:ALA:HB2	1:45:A:ILE:HG13	2	0.54
(1,2966)	1:91:B:LYS:HG3	1:89:B:THR:HG22	4	0.54
(1,2965)	1:91:A:LYS:HG3	1:89:A:THR:HG22	4	0.54
(1,2952)	1:82:B:LEU:HG	1:83:B:LYS:HA	7	0.54
(1,2951)	1:82:A:LEU:HG	1:83:A:LYS:HA	7	0.54
(1,2950)	1:82:B:LEU:HG	1:80:B:ILE:HA	11	0.54
(1,2949)	1:82:A:LEU:HG	1:80:A:ILE:HA	11	0.54
(1,2939)	1:51:A:LYS:HD2	1:54:A:ILE:HD13	14	0.54
(1,2892)	1:78:B:VAL:HB	1:82:A:LEU:HG	9	0.54
(1,2891)	1:78:A:VAL:HB	1:82:B:LEU:HG	9	0.54
(1,2832)	1:58:B:PHE:HA	1:77:B:LEU:HB2	3	0.54
(1,2831)	1:58:A:PHE:HA	1:77:A:LEU:HB2	3	0.54
(1,2830)	1:79:B:ALA:HB1	1:80:B:ILE:HA	2	0.54
(1,2830)	1:79:B:ALA:HB1	1:80:B:ILE:HA	4	0.54
(1,2830)	1:79:B:ALA:HB1	1:80:B:ILE:HA	16	0.54
(1,2830)	1:79:B:ALA:HB1	1:80:B:ILE:HA	17	0.54
(1,2830)	1:79:B:ALA:HB2	1:80:B:ILE:HA	19	0.54
(1,2829)	1:79:A:ALA:HB1	1:80:A:ILE:HA	2	0.54
(1,2829)	1:79:A:ALA:HB1	1:80:A:ILE:HA	4	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2829)	1:79:A:ALA:HB1	1:80:A:ILE:HA	16	0.54
(1,2829)	1:79:A:ALA:HB1	1:80:A:ILE:HA	17	0.54
(1,2829)	1:79:A:ALA:HB2	1:80:A:ILE:HA	19	0.54
(1,2800)	1:67:B:GLU:HG3	1:62:B:ASP:HB3	17	0.54
(1,2799)	1:67:A:GLU:HG3	1:62:A:ASP:HB3	17	0.54
(1,2680)	1:49:B:LYS:HB2	1:47:B:ASN:HB3	19	0.54
(1,2679)	1:49:A:LYS:HB2	1:47:A:ASN:HB3	19	0.54
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB2	1	0.54
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB3	10	0.54
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB2	1	0.54
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB2	4	0.54
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB3	10	0.54
(1,2644)	1:50:B:ASP:HB3	1:51:B:LYS:HB3	14	0.54
(1,2564)	1:87:B:TYR:HB3	1:83:B:LYS:HB2	6	0.54
(1,2563)	1:87:A:TYR:HB3	1:83:A:LYS:HB2	6	0.54
(1,2554)	1:79:B:ALA:HA	1:78:B:VAL:HB	11	0.54
(1,2553)	1:79:A:ALA:HA	1:78:A:VAL:HB	11	0.54
(1,2508)	1:10:B:GLY:HA3	1:9:B:GLU:HB2	1	0.54
(1,2506)	1:61:B:LEU:HG	1:60:B:GLY:HA3	13	0.54
(1,2480)	1:62:B:ASP:HB3	1:59:B:GLN:HB3	7	0.54
(1,2480)	1:62:B:ASP:HB3	1:59:B:GLN:HB3	19	0.54
(1,2479)	1:62:A:ASP:HB3	1:59:A:GLN:HB3	7	0.54
(1,2479)	1:62:A:ASP:HB3	1:59:A:GLN:HB3	19	0.54
(1,2430)	1:67:B:GLU:HG2	1:59:B:GLN:HG2	10	0.54
(1,2429)	1:67:A:GLU:HG2	1:59:A:GLN:HG2	10	0.54
(1,2402)	1:51:B:LYS:HD2	1:53:B:VAL:HB	6	0.54
(1,2402)	1:51:B:LYS:HD2	1:53:B:VAL:HB	11	0.54
(1,2401)	1:51:A:LYS:HD2	1:53:A:VAL:HB	6	0.54
(1,2401)	1:51:A:LYS:HD2	1:53:A:VAL:HB	11	0.54
(1,2351)	1:36:A:LEU:HB3	1:40:A:GLU:HB2	17	0.54
(1,2322)	1:67:B:GLU:HB2	1:30:B:LYS:HE2	5	0.54
(1,2322)	1:67:B:GLU:HB2	1:30:B:LYS:HE2	13	0.54
(1,2321)	1:67:A:GLU:HB2	1:30:A:LYS:HE2	5	0.54
(1,2295)	1:59:A:GLN:HG2	1:55:A:ASP:HB3	16	0.54
(1,2270)	1:83:B:LYS:HA	1:83:B:LYS:HE2	20	0.54
(1,2192)	1:46:B:LYS:HE2	1:90:B:HIS:HB2	15	0.54
(1,2191)	1:46:A:LYS:HE2	1:90:A:HIS:HB2	15	0.54
(1,2165)	1:12:A:VAL:HG21	1:16:A:HIS:HB2	7	0.54
(1,2082)	1:78:B:VAL:HG22	1:74:B:PHE:HA	12	0.54
(1,2081)	1:78:A:VAL:HG22	1:74:A:PHE:HA	12	0.54
(1,2076)	1:79:B:ALA:HA	1:79:A:ALA:HA	1	0.54
(1,2075)	1:79:A:ALA:HA	1:79:B:ALA:HA	1	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2074)	1:79:B:ALA:HA	1:79:A:ALA:HA	1	0.54
(1,2073)	1:79:A:ALA:HA	1:79:B:ALA:HA	1	0.54
(1,2073)	1:81:A:ALA:HA	1:79:A:ALA:HA	14	0.54
(1,2000)	1:74:B:PHE:HA	1:77:B:LEU:HA	5	0.54
(1,1999)	1:74:A:PHE:HA	1:77:A:LEU:HA	5	0.54
(1,1976)	1:54:B:ILE:HB	1:49:B:LYS:HA	15	0.54
(1,1975)	1:54:A:ILE:HB	1:49:A:LYS:HA	15	0.54
(1,1942)	1:30:B:LYS:HD3	1:52:B:ALA:HA	6	0.54
(1,1941)	1:30:A:LYS:HD3	1:52:A:ALA:HA	2	0.54
(1,1941)	1:30:A:LYS:HD3	1:52:A:ALA:HA	6	0.54
(1,1806)	1:57:B:ILE:HG21	1:61:B:LEU:H	8	0.54
(1,1806)	1:57:B:ILE:HG22	1:61:B:LEU:H	11	0.54
(1,1805)	1:57:A:ILE:HG22	1:61:A:LEU:H	7	0.54
(1,1805)	1:57:A:ILE:HG22	1:61:A:LEU:H	11	0.54
(1,1738)	1:75:B:ILE:HG23	1:82:A:LEU:HD13	9	0.54
(1,1704)	1:8:B:LEU:HG	1:45:A:ILE:HG13	2	0.54
(1,1703)	1:8:A:LEU:HG	1:45:B:ILE:HG13	5	0.54
(1,1703)	1:8:A:LEU:HG	1:45:B:ILE:HG13	16	0.54
(1,1696)	1:83:B:LYS:HE2	1:72:A:GLN:HG3	11	0.54
(1,1695)	1:83:A:LYS:HE3	1:71:B:PHE:HB2	10	0.54
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG11	5	0.54
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG11	7	0.54
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG12	10	0.54
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG11	17	0.54
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG12	19	0.54
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG13	2	0.54
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG11	5	0.54
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG11	7	0.54
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG12	10	0.54
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG11	17	0.54
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG12	19	0.54
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD13	1	0.54
(1,806)	1:80:B:ILE:HD13	1:61:B:LEU:HD21	15	0.54
(1,584)	1:8:B:LEU:HB2	1:82:A:LEU:HB3	6	0.54
(1,576)	1:61:B:LEU:HD23	1:61:B:LEU:HB2	5	0.54
(1,576)	1:61:B:LEU:HD23	1:61:B:LEU:HB2	6	0.54
(1,575)	1:61:A:LEU:HD23	1:61:A:LEU:HB2	5	0.54
(1,575)	1:61:A:LEU:HD23	1:61:A:LEU:HB2	6	0.54
(1,575)	1:61:A:LEU:HD23	1:61:A:LEU:HB2	15	0.54
(1,204)	1:80:B:ILE:HD12	1:76:B:SER:HA	17	0.54
(1,203)	1:80:A:ILE:HD12	1:76:A:SER:HA	17	0.54
(1,124)	1:36:B:LEU:HD22	1:42:B:ALA:H	6	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:36:A:LEU:HD22	1:42:A:ALA:H	1	0.54
(1,123)	1:36:A:LEU:HD22	1:42:A:ALA:H	6	0.54
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB1	10	0.54
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB1	17	0.54
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB1	20	0.54
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB1	10	0.54
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB2	11	0.54
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB1	17	0.54
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB1	20	0.54
(2,138)	1:75:B:ILE:H	1:61:B:LEU:HB2	5	0.53
(2,138)	1:75:B:ILE:H	1:61:B:LEU:HB2	19	0.53
(2,137)	1:75:A:ILE:H	1:61:A:LEU:HB2	19	0.53
(2,58)	1:32:B:GLU:HB2	1:35:B:GLN:HB2	7	0.53
(1,3770)	1:54:B:ILE:H	1:53:B:VAL:HG21	7	0.53
(1,3769)	1:54:A:ILE:H	1:53:A:VAL:HG21	7	0.53
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG22	15	0.53
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG23	18	0.53
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG22	15	0.53
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG23	18	0.53
(1,3726)	1:41:B:LEU:H	1:48:B:ILE:HG13	6	0.53
(1,3726)	1:41:B:LEU:H	1:48:B:ILE:HG13	9	0.53
(1,3725)	1:41:A:LEU:H	1:48:A:ILE:HG13	6	0.53
(1,3725)	1:41:A:LEU:H	1:48:A:ILE:HG13	9	0.53
(1,3715)	1:15:A:PHE:H	1:36:A:LEU:HG	11	0.53
(1,3675)	1:50:A:ASP:H	1:54:A:ILE:HD13	8	0.53
(1,3668)	1:40:B:GLU:H	1:37:B:LEU:HB2	9	0.53
(1,3668)	1:40:B:GLU:H	1:37:B:LEU:HB2	18	0.53
(1,3667)	1:40:A:GLU:H	1:37:A:LEU:HB2	9	0.53
(1,3667)	1:40:A:GLU:H	1:37:A:LEU:HB2	18	0.53
(1,3628)	1:51:B:LYS:H	1:51:B:LYS:HG3	1	0.53
(1,3613)	1:52:A:ALA:H	1:51:A:LYS:HD2	1	0.53
(1,3608)	1:43:B:ASN:H	1:49:B:LYS:HD3	3	0.53
(1,3518)	1:10:B:GLY:H	1:9:B:GLU:HG3	12	0.53
(1,3506)	1:18:B:TYR:H	1:40:B:GLU:HG3	5	0.53
(1,3505)	1:18:A:TYR:H	1:40:A:GLU:HG3	5	0.53
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG2	1	0.53
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG2	2	0.53
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG2	4	0.53
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG2	1	0.53
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG2	2	0.53
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG2	4	0.53
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG2	12	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3451)	1:72:A:GLN:H	1:83:B:LYS:HE3	6	0.53
(1,3448)	1:89:B:THR:H	1:83:B:LYS:HE2	7	0.53
(1,3447)	1:89:A:THR:H	1:83:A:LYS:HE2	7	0.53
(1,3291)	1:92:A:GLU:H	1:89:A:THR:H	11	0.53
(1,3236)	1:7:B:HIS:H	1:9:B:GLU:H	19	0.53
(1,3235)	1:7:A:HIS:H	1:9:A:GLU:H	19	0.53
(1,3178)	1:83:B:LYS:HE3	1:75:A:ILE:HD12	15	0.53
(1,3131)	1:54:A:ILE:HG21	1:58:A:PHE:HB3	12	0.53
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG23	9	0.53
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG23	9	0.53
(1,3078)	1:57:B:ILE:HG23	1:60:B:GLY:HA3	8	0.53
(1,3075)	1:85:A:ALA:HA	1:12:B:VAL:HG23	10	0.53
(1,3074)	1:59:B:GLN:HA	1:61:B:LEU:HD11	11	0.53
(1,3073)	1:59:A:GLN:HA	1:61:A:LEU:HD11	11	0.53
(1,3073)	1:59:A:GLN:HA	1:61:A:LEU:HD11	18	0.53
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG12	3	0.53
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG11	4	0.53
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG13	14	0.53
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG11	17	0.53
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG12	3	0.53
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG11	4	0.53
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG13	14	0.53
(1,2952)	1:82:B:LEU:HG	1:83:B:LYS:HA	4	0.53
(1,2952)	1:82:B:LEU:HG	1:83:B:LYS:HA	10	0.53
(1,2952)	1:82:B:LEU:HG	1:83:B:LYS:HA	16	0.53
(1,2952)	1:82:B:LEU:HG	1:83:B:LYS:HA	20	0.53
(1,2951)	1:82:A:LEU:HG	1:83:A:LYS:HA	4	0.53
(1,2951)	1:82:A:LEU:HG	1:83:A:LYS:HA	10	0.53
(1,2951)	1:82:A:LEU:HG	1:83:A:LYS:HA	16	0.53
(1,2951)	1:82:A:LEU:HG	1:83:A:LYS:HA	20	0.53
(1,2940)	1:51:B:LYS:HD2	1:54:B:ILE:HD13	14	0.53
(1,2914)	1:45:B:ILE:HG13	1:42:B:ALA:HA	20	0.53
(1,2913)	1:45:A:ILE:HG13	1:42:A:ALA:HA	20	0.53
(1,2891)	1:82:A:LEU:HG	1:78:A:VAL:HB	4	0.53
(1,2830)	1:79:B:ALA:HB3	1:80:B:ILE:HA	13	0.53
(1,2829)	1:79:A:ALA:HB3	1:80:A:ILE:HA	13	0.53
(1,2818)	1:53:B:VAL:HG12	1:46:B:LYS:HG3	6	0.53
(1,2817)	1:53:A:VAL:HG12	1:46:A:LYS:HG3	6	0.53
(1,2817)	1:53:A:VAL:HG11	1:46:A:LYS:HG3	19	0.53
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB2	14	0.53
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB2	5	0.53
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB2	14	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2654)	1:59:B:GLN:HB2	1:57:B:ILE:HB	16	0.53
(1,2653)	1:59:A:GLN:HB2	1:57:A:ILE:HB	16	0.53
(1,2644)	1:50:B:ASP:HB3	1:51:B:LYS:HB3	2	0.53
(1,2643)	1:50:A:ASP:HB3	1:51:A:LYS:HB3	2	0.53
(1,2643)	1:50:A:ASP:HB3	1:51:A:LYS:HB3	14	0.53
(1,2642)	1:33:B:LEU:HB3	1:34:B:LYS:HB2	2	0.53
(1,2641)	1:33:A:LEU:HB3	1:34:A:LYS:HB2	2	0.53
(1,2564)	1:13:B:ASN:HB2	1:9:B:GLU:HB3	18	0.53
(1,2562)	1:83:B:LYS:HB2	1:83:B:LYS:HE2	8	0.53
(1,2561)	1:83:A:LYS:HB2	1:83:A:LYS:HE2	8	0.53
(1,2554)	1:79:B:ALA:HA	1:78:B:VAL:HB	14	0.53
(1,2554)	1:79:B:ALA:HA	1:78:B:VAL:HB	17	0.53
(1,2553)	1:79:A:ALA:HA	1:78:A:VAL:HB	14	0.53
(1,2553)	1:79:A:ALA:HA	1:78:A:VAL:HB	17	0.53
(1,2507)	1:10:A:GLY:HA3	1:9:A:GLU:HB2	1	0.53
(1,2480)	1:62:B:ASP:HB3	1:59:B:GLN:HB3	6	0.53
(1,2352)	1:36:B:LEU:HB3	1:40:B:GLU:HB2	2	0.53
(1,2352)	1:36:B:LEU:HB3	1:40:B:GLU:HB2	13	0.53
(1,2352)	1:36:B:LEU:HB3	1:40:B:GLU:HB2	17	0.53
(1,2351)	1:36:A:LEU:HB3	1:40:A:GLU:HB2	2	0.53
(1,2351)	1:36:A:LEU:HB3	1:40:A:GLU:HB2	13	0.53
(1,2344)	1:54:B:ILE:HG22	1:30:B:LYS:HE2	17	0.53
(1,2343)	1:54:A:ILE:HG22	1:30:A:LYS:HE2	17	0.53
(1,2321)	1:67:A:GLU:HB2	1:30:A:LYS:HE2	13	0.53
(1,2314)	1:54:B:ILE:HB	1:55:B:ASP:HB2	14	0.53
(1,2313)	1:54:A:ILE:HB	1:55:A:ASP:HB2	14	0.53
(1,2296)	1:59:B:GLN:HG2	1:55:B:ASP:HB3	10	0.53
(1,2295)	1:59:A:GLN:HG2	1:55:A:ASP:HB3	10	0.53
(1,2269)	1:83:A:LYS:HA	1:83:A:LYS:HE2	20	0.53
(1,2256)	1:52:B:ALA:HB3	1:50:B:ASP:HB2	14	0.53
(1,2198)	1:30:B:LYS:HE3	1:51:B:LYS:HE2	13	0.53
(1,2197)	1:30:A:LYS:HE3	1:51:A:LYS:HE2	13	0.53
(1,2166)	1:12:B:VAL:HG21	1:16:B:HIS:HB2	7	0.53
(1,2082)	1:78:B:VAL:HG21	1:74:B:PHE:HA	1	0.53
(1,2082)	1:78:B:VAL:HG21	1:74:B:PHE:HA	14	0.53
(1,2081)	1:78:A:VAL:HG21	1:74:A:PHE:HA	1	0.53
(1,2081)	1:78:A:VAL:HG21	1:74:A:PHE:HA	14	0.53
(1,2074)	1:81:B:ALA:HA	1:79:B:ALA:HA	14	0.53
(1,2057)	1:73:A:GLU:HB2	1:74:A:PHE:HA	5	0.53
(1,2057)	1:73:A:GLU:HB2	1:74:A:PHE:HA	6	0.53
(1,2057)	1:73:A:GLU:HB2	1:74:A:PHE:HA	10	0.53
(1,2000)	1:74:B:PHE:HA	1:77:B:LEU:HA	6	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1999)	1:74:A:PHE:HA	1:77:A:LEU:HA	6	0.53
(1,1942)	1:30:B:LYS:HD3	1:52:B:ALA:HA	2	0.53
(1,1941)	1:30:A:LYS:HD3	1:52:A:ALA:HA	3	0.53
(1,1896)	1:12:B:VAL:HG22	1:13:B:ASN:HA	2	0.53
(1,1895)	1:12:A:VAL:HG22	1:13:A:ASN:HA	2	0.53
(1,1890)	1:49:B:LYS:HD2	1:50:B:ASP:HA	6	0.53
(1,1890)	1:49:B:LYS:HD2	1:50:B:ASP:HA	9	0.53
(1,1888)	1:49:B:LYS:HD2	1:50:B:ASP:HA	9	0.53
(1,1838)	1:80:B:ILE:H	1:80:B:ILE:HG21	3	0.53
(1,1837)	1:80:A:ILE:H	1:80:A:ILE:HG21	3	0.53
(1,1737)	1:75:A:ILE:HG21	1:82:B:LEU:HD11	5	0.53
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD12	6	0.53
(1,1704)	1:8:B:LEU:HG	1:45:A:ILE:HG13	6	0.53
(1,1704)	1:8:B:LEU:HG	1:45:A:ILE:HG13	9	0.53
(1,1703)	1:8:A:LEU:HG	1:45:B:ILE:HG13	9	0.53
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG13	14	0.53
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD13	4	0.53
(1,576)	1:61:B:LEU:HD23	1:61:B:LEU:HB2	3	0.53
(1,576)	1:61:B:LEU:HD23	1:61:B:LEU:HB2	15	0.53
(1,576)	1:61:B:LEU:HD21	1:61:B:LEU:HB2	20	0.53
(1,575)	1:61:A:LEU:HD23	1:61:A:LEU:HB2	3	0.53
(1,575)	1:61:A:LEU:HD21	1:61:A:LEU:HB2	17	0.53
(1,575)	1:61:A:LEU:HD21	1:61:A:LEU:HB2	20	0.53
(1,512)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	9	0.53
(1,511)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	9	0.53
(1,296)	1:83:B:LYS:HB3	1:80:B:ILE:HA	12	0.53
(1,124)	1:36:B:LEU:HD22	1:42:B:ALA:H	1	0.53
(1,124)	1:36:B:LEU:HD22	1:42:B:ALA:H	17	0.53
(1,123)	1:36:A:LEU:HD23	1:42:A:ALA:H	14	0.53
(1,123)	1:36:A:LEU:HD22	1:42:A:ALA:H	17	0.53
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB1	2	0.53
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB1	4	0.53
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB2	11	0.53
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB3	15	0.53
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB1	16	0.53
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB1	2	0.53
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB1	4	0.53
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB3	15	0.53
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB1	16	0.53
(2,138)	1:75:B:ILE:H	1:61:B:LEU:HB2	14	0.52
(2,138)	1:75:B:ILE:H	1:61:B:LEU:HB2	15	0.52
(2,137)	1:75:A:ILE:H	1:61:A:LEU:HB2	14	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,137)	1:75:A:ILE:H	1:61:A:LEU:HB2	15	0.52
(2,57)	1:32:A:GLU:HB2	1:35:A:GLN:HB2	7	0.52
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD11	17	0.52
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD11	17	0.52
(1,3770)	1:54:B:ILE:H	1:53:B:VAL:HG23	19	0.52
(1,3769)	1:54:A:ILE:H	1:53:A:VAL:HG23	19	0.52
(1,3705)	1:12:A:VAL:H	1:82:B:LEU:HG	19	0.52
(1,3668)	1:40:B:GLU:H	1:37:B:LEU:HB2	4	0.52
(1,3668)	1:40:B:GLU:H	1:37:B:LEU:HB2	7	0.52
(1,3668)	1:40:B:GLU:H	1:37:B:LEU:HB2	10	0.52
(1,3668)	1:40:B:GLU:H	1:37:B:LEU:HB2	11	0.52
(1,3667)	1:40:A:GLU:H	1:37:A:LEU:HB2	4	0.52
(1,3667)	1:40:A:GLU:H	1:37:A:LEU:HB2	10	0.52
(1,3667)	1:40:A:GLU:H	1:37:A:LEU:HB2	11	0.52
(1,3627)	1:51:A:LYS:H	1:51:A:LYS:HG3	1	0.52
(1,3625)	1:38:A:THR:H	1:54:A:ILE:HG12	3	0.52
(1,3608)	1:43:B:ASN:H	1:49:B:LYS:HD3	1	0.52
(1,3572)	1:36:B:LEU:H	1:37:B:LEU:HG	5	0.52
(1,3571)	1:36:A:LEU:H	1:37:A:LEU:HG	5	0.52
(1,3548)	1:76:B:SER:H	1:73:B:GLU:HB3	14	0.52
(1,3547)	1:76:A:SER:H	1:73:A:GLU:HB3	14	0.52
(1,3501)	1:67:A:GLU:H	1:66:A:ASP:HB3	19	0.52
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG2	12	0.52
(1,3452)	1:72:B:GLN:H	1:83:A:LYS:HE3	6	0.52
(1,3292)	1:84:B:ALA:H	1:92:B:GLU:H	4	0.52
(1,3292)	1:92:B:GLU:H	1:89:B:THR:H	11	0.52
(1,3291)	1:84:A:ALA:H	1:92:A:GLU:H	4	0.52
(1,3180)	1:30:B:LYS:HG2	1:55:B:ASP:HB2	4	0.52
(1,3179)	1:30:A:LYS:HG2	1:55:A:ASP:HB2	4	0.52
(1,3177)	1:83:A:LYS:HE3	1:75:B:ILE:HD12	10	0.52
(1,3177)	1:83:A:LYS:HE3	1:75:B:ILE:HD12	15	0.52
(1,3132)	1:54:B:ILE:HG21	1:58:B:PHE:HB3	12	0.52
(1,3116)	1:8:B:LEU:HG	1:6:B:GLU:HA	5	0.52
(1,3115)	1:8:A:LEU:HG	1:6:A:GLU:HA	5	0.52
(1,3114)	1:8:B:LEU:HG	1:6:B:GLU:HA	5	0.52
(1,3113)	1:8:A:LEU:HG	1:6:A:GLU:HA	5	0.52
(1,3036)	1:9:B:GLU:HG2	1:12:B:VAL:HG11	9	0.52
(1,3036)	1:9:B:GLU:HG2	1:12:B:VAL:HG13	12	0.52
(1,3035)	1:9:A:GLU:HG2	1:12:A:VAL:HG11	9	0.52
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG11	20	0.52
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG11	17	0.52
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG11	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3014)	1:53:B:VAL:HG12	1:56:B:GLU:HA	18	0.52
(1,2972)	1:81:B:ALA:HB3	1:45:B:ILE:HG13	3	0.52
(1,2972)	1:81:B:ALA:HB3	1:45:B:ILE:HG13	12	0.52
(1,2971)	1:81:A:ALA:HB3	1:45:A:ILE:HG13	3	0.52
(1,2971)	1:81:A:ALA:HB3	1:45:A:ILE:HG13	12	0.52
(1,2952)	1:82:B:LEU:HG	1:83:B:LYS:HA	1	0.52
(1,2952)	1:82:B:LEU:HG	1:83:B:LYS:HA	6	0.52
(1,2952)	1:82:B:LEU:HG	1:83:B:LYS:HA	13	0.52
(1,2952)	1:82:B:LEU:HG	1:83:B:LYS:HA	15	0.52
(1,2952)	1:82:B:LEU:HG	1:83:B:LYS:HA	18	0.52
(1,2951)	1:82:A:LEU:HG	1:83:A:LYS:HA	1	0.52
(1,2951)	1:82:A:LEU:HG	1:83:A:LYS:HA	6	0.52
(1,2951)	1:82:A:LEU:HG	1:83:A:LYS:HA	13	0.52
(1,2951)	1:82:A:LEU:HG	1:83:A:LYS:HA	18	0.52
(1,2892)	1:82:B:LEU:HG	1:78:B:VAL:HB	4	0.52
(1,2859)	1:53:A:VAL:HG11	1:46:A:LYS:HG3	16	0.52
(1,2830)	1:79:B:ALA:HB3	1:80:B:ILE:HA	7	0.52
(1,2830)	1:79:B:ALA:HB3	1:80:B:ILE:HA	15	0.52
(1,2829)	1:79:A:ALA:HB3	1:80:A:ILE:HA	7	0.52
(1,2829)	1:79:A:ALA:HB3	1:80:A:ILE:HA	15	0.52
(1,2818)	1:53:B:VAL:HG11	1:46:B:LYS:HG3	19	0.52
(1,2740)	1:30:B:LYS:HB3	1:51:B:LYS:HD2	14	0.52
(1,2730)	1:75:B:ILE:HD13	1:91:A:LYS:HD3	17	0.52
(1,2729)	1:75:A:ILE:HD13	1:91:B:LYS:HD3	17	0.52
(1,2712)	1:30:B:LYS:HB3	1:51:B:LYS:HD2	14	0.52
(1,2705)	1:45:A:ILE:HB	1:91:A:LYS:HD3	18	0.52
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB2	5	0.52
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB3	8	0.52
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB3	8	0.52
(1,2664)	1:8:B:LEU:HD12	1:41:A:LEU:HB3	15	0.52
(1,2663)	1:8:A:LEU:HD12	1:41:B:LEU:HB3	15	0.52
(1,2654)	1:59:B:GLN:HB2	1:57:B:ILE:HB	5	0.52
(1,2653)	1:59:A:GLN:HB2	1:57:A:ILE:HB	5	0.52
(1,2581)	1:80:A:ILE:HB	1:81:A:ALA:HA	3	0.52
(1,2564)	1:87:B:TYR:HB3	1:83:B:LYS:HB2	8	0.52
(1,2563)	1:87:A:TYR:HB3	1:83:A:LYS:HB2	8	0.52
(1,2563)	1:13:A:ASN:HB2	1:9:A:GLU:HB3	18	0.52
(1,2519)	1:8:A:LEU:HB2	1:7:A:HIS:HB2	16	0.52
(1,2506)	1:61:B:LEU:HG	1:60:B:GLY:HA3	2	0.52
(1,2505)	1:61:A:LEU:HG	1:60:A:GLY:HA3	2	0.52
(1,2479)	1:62:A:ASP:HB3	1:59:A:GLN:HB3	6	0.52
(1,2477)	1:55:A:ASP:HB3	1:56:A:GLU:HB2	4	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2401)	1:51:A:LYS:HD2	1:53:A:VAL:HB	3	0.52
(1,2365)	1:53:A:VAL:HB	1:50:A:ASP:HB2	11	0.52
(1,2352)	1:36:B:LEU:HB3	1:40:B:GLU:HB2	9	0.52
(1,2351)	1:36:A:LEU:HB3	1:40:A:GLU:HB2	8	0.52
(1,2351)	1:36:A:LEU:HB3	1:40:A:GLU:HB2	9	0.52
(1,2330)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	16	0.52
(1,2329)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	16	0.52
(1,2278)	1:42:B:ALA:HB1	1:43:B:ASN:HB3	14	0.52
(1,2262)	1:72:B:GLN:HG3	1:83:A:LYS:HE2	3	0.52
(1,2261)	1:72:A:GLN:HG3	1:83:B:LYS:HE2	3	0.52
(1,2255)	1:52:A:ALA:HB3	1:50:A:ASP:HB2	14	0.52
(1,2180)	1:13:B:ASN:HB2	1:16:B:HIS:HB2	12	0.52
(1,2179)	1:13:A:ASN:HB2	1:16:A:HIS:HB2	12	0.52
(1,2108)	1:61:B:LEU:HD23	1:60:B:GLY:HA3	17	0.52
(1,2107)	1:61:A:LEU:HD23	1:60:A:GLY:HA3	17	0.52
(1,2087)	1:79:A:ALA:HA	1:76:A:SER:HB3	15	0.52
(1,2082)	1:78:B:VAL:HG23	1:74:B:PHE:HA	11	0.52
(1,2081)	1:78:A:VAL:HG23	1:74:A:PHE:HA	11	0.52
(1,2075)	1:79:A:ALA:HA	1:76:A:SER:HB3	15	0.52
(1,2074)	1:81:B:ALA:HA	1:79:B:ALA:HA	20	0.52
(1,2073)	1:79:A:ALA:HA	1:76:A:SER:HB3	15	0.52
(1,2073)	1:81:A:ALA:HA	1:79:A:ALA:HA	20	0.52
(1,2068)	1:48:B:ILE:HA	1:51:B:LYS:HA	6	0.52
(1,2068)	1:48:B:ILE:HA	1:51:B:LYS:HA	11	0.52
(1,2067)	1:48:A:ILE:HA	1:51:A:LYS:HA	6	0.52
(1,2067)	1:48:A:ILE:HA	1:51:A:LYS:HA	11	0.52
(1,2060)	1:83:B:LYS:HD2	1:79:B:ALA:HA	17	0.52
(1,2059)	1:83:A:LYS:HD2	1:79:A:ALA:HA	17	0.52
(1,2058)	1:73:B:GLU:HB2	1:74:B:PHE:HA	5	0.52
(1,2058)	1:73:B:GLU:HB2	1:74:B:PHE:HA	6	0.52
(1,2058)	1:73:B:GLU:HB2	1:74:B:PHE:HA	10	0.52
(1,2000)	1:74:B:PHE:HA	1:77:B:LEU:HA	3	0.52
(1,1999)	1:74:A:PHE:HA	1:77:A:LEU:HA	3	0.52
(1,1976)	1:54:B:ILE:HB	1:49:B:LYS:HA	2	0.52
(1,1975)	1:54:A:ILE:HB	1:49:A:LYS:HA	2	0.52
(1,1965)	1:37:A:LEU:HD12	1:33:A:LEU:HA	8	0.52
(1,1942)	1:30:B:LYS:HD3	1:52:B:ALA:HA	3	0.52
(1,1895)	1:12:A:VAL:HG21	1:13:A:ASN:HA	14	0.52
(1,1889)	1:49:A:LYS:HD2	1:50:A:ASP:HA	6	0.52
(1,1889)	1:49:A:LYS:HD2	1:50:A:ASP:HA	9	0.52
(1,1887)	1:49:A:LYS:HD2	1:50:A:ASP:HA	9	0.52
(1,1806)	1:57:B:ILE:HG22	1:61:B:LEU:H	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1805)	1:57:A:ILE:HG22	1:61:A:LEU:H	20	0.52
(1,1768)	1:72:B:GLN:H	1:72:B:GLN:HG2	3	0.52
(1,1767)	1:72:A:GLN:H	1:72:A:GLN:HG2	3	0.52
(1,1738)	1:75:B:ILE:HG21	1:82:A:LEU:HD11	5	0.52
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD12	6	0.52
(1,1703)	1:8:A:LEU:HG	1:45:B:ILE:HG13	6	0.52
(1,1688)	1:12:B:VAL:HG23	1:82:A:LEU:HA	12	0.52
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG13	6	0.52
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG13	14	0.52
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG13	16	0.52
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG13	6	0.52
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG13	13	0.52
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG13	16	0.52
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD13	4	0.52
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD13	6	0.52
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD11	12	0.52
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD13	6	0.52
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD11	12	0.52
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD12	19	0.52
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB2	12	0.52
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB3	20	0.52
(1,1417)	1:37:A:LEU:H	1:40:A:GLU:HB2	12	0.52
(1,583)	1:8:A:LEU:HB2	1:82:B:LEU:HB3	6	0.52
(1,576)	1:61:B:LEU:HD21	1:61:B:LEU:HB2	17	0.52
(1,554)	1:75:B:ILE:HD13	1:91:A:LYS:HD3	17	0.52
(1,553)	1:75:A:ILE:HD13	1:91:B:LYS:HD3	17	0.52
(1,389)	1:59:A:GLN:HG3	1:55:A:ASP:HB3	3	0.52
(1,364)	1:80:B:ILE:HA	1:91:B:LYS:HE3	6	0.52
(1,363)	1:80:A:ILE:HA	1:91:A:LYS:HE3	6	0.52
(1,314)	1:11:B:ILE:HA	1:7:A:HIS:HB3	15	0.52
(1,295)	1:83:A:LYS:HB3	1:80:A:ILE:HA	12	0.52
(1,192)	1:39:B:LYS:HD3	1:35:B:GLN:HA	18	0.52
(1,191)	1:39:A:LYS:HD3	1:35:A:GLN:HA	18	0.52
(1,124)	1:36:B:LEU:HD23	1:42:B:ALA:H	14	0.52
(1,123)	1:36:A:LEU:HD23	1:42:A:ALA:H	15	0.52
(2,138)	1:75:B:ILE:H	1:61:B:LEU:HB2	12	0.51
(2,137)	1:75:A:ILE:H	1:61:A:LEU:HB2	12	0.51
(2,58)	1:32:B:GLU:HB2	1:35:B:GLN:HB2	18	0.51
(2,57)	1:32:A:GLU:HB2	1:35:A:GLN:HB2	18	0.51
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG21	17	0.51
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG21	17	0.51
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG21	18	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG21	18	0.51
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG21	19	0.51
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG21	19	0.51
(1,3730)	1:37:B:LEU:H	1:36:B:LEU:HG	2	0.51
(1,3730)	1:37:B:LEU:H	1:33:B:LEU:HD11	16	0.51
(1,3730)	1:37:B:LEU:H	1:33:B:LEU:HD12	18	0.51
(1,3729)	1:37:A:LEU:H	1:36:A:LEU:HG	2	0.51
(1,3729)	1:37:A:LEU:H	1:33:A:LEU:HD11	16	0.51
(1,3729)	1:37:A:LEU:H	1:33:A:LEU:HD12	18	0.51
(1,3725)	1:41:A:LEU:H	1:48:A:ILE:HG13	12	0.51
(1,3710)	1:44:B:THR:H	1:45:B:ILE:HG13	15	0.51
(1,3709)	1:44:A:THR:H	1:45:A:ILE:HG13	15	0.51
(1,3706)	1:12:B:VAL:H	1:82:A:LEU:HG	19	0.51
(1,3682)	1:39:B:LYS:H	1:37:B:LEU:HB2	11	0.51
(1,3681)	1:39:A:LYS:H	1:37:A:LEU:HB2	11	0.51
(1,3667)	1:40:A:GLU:H	1:37:A:LEU:HB2	7	0.51
(1,3628)	1:51:B:LYS:H	1:51:B:LYS:HG3	2	0.51
(1,3627)	1:51:A:LYS:H	1:51:A:LYS:HG3	2	0.51
(1,3626)	1:38:B:THR:H	1:54:B:ILE:HG12	3	0.51
(1,3622)	1:87:B:TYR:H	1:85:B:ALA:HB1	10	0.51
(1,3621)	1:87:A:TYR:H	1:85:A:ALA:HB1	10	0.51
(1,3608)	1:43:B:ASN:H	1:49:B:LYS:HD3	8	0.51
(1,3607)	1:43:A:ASN:H	1:49:A:LYS:HD3	1	0.51
(1,3607)	1:43:A:ASN:H	1:49:A:LYS:HD3	8	0.51
(1,3571)	1:36:A:LEU:H	1:37:A:LEU:HG	1	0.51
(1,3571)	1:36:A:LEU:H	1:37:A:LEU:HG	15	0.51
(1,3502)	1:67:B:GLU:H	1:66:B:ASP:HB3	19	0.51
(1,3478)	1:70:B:ASP:H	1:72:B:GLN:HG2	11	0.51
(1,3477)	1:70:A:ASP:H	1:72:A:GLN:HG2	11	0.51
(1,3418)	1:10:B:GLY:H	1:7:B:HIS:HB2	6	0.51
(1,3418)	1:10:B:GLY:H	1:7:B:HIS:HB2	10	0.51
(1,3418)	1:10:B:GLY:H	1:7:A:HIS:HB3	13	0.51
(1,3418)	1:10:B:GLY:H	1:7:B:HIS:HB2	20	0.51
(1,3417)	1:10:A:GLY:H	1:7:A:HIS:HB2	6	0.51
(1,3417)	1:10:A:GLY:H	1:7:A:HIS:HB2	10	0.51
(1,3417)	1:10:A:GLY:H	1:7:A:HIS:HB2	20	0.51
(1,3139)	1:12:A:VAL:HG23	1:9:A:GLU:HG3	3	0.51
(1,3120)	1:82:B:LEU:HA	1:8:A:LEU:HD22	8	0.51
(1,3120)	1:82:B:LEU:HA	1:12:A:VAL:HG22	18	0.51
(1,3119)	1:82:A:LEU:HA	1:12:B:VAL:HG23	7	0.51
(1,3119)	1:82:A:LEU:HA	1:8:B:LEU:HD22	8	0.51
(1,3119)	1:82:A:LEU:HA	1:12:B:VAL:HG22	18	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3075)	1:85:A:ALA:HA	1:12:B:VAL:HG23	15	0.51
(1,3074)	1:59:B:GLN:HA	1:61:B:LEU:HD11	7	0.51
(1,3073)	1:59:A:GLN:HA	1:61:A:LEU:HD11	7	0.51
(1,3035)	1:9:A:GLU:HG2	1:12:A:VAL:HG13	12	0.51
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG13	2	0.51
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG13	16	0.51
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG12	19	0.51
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG13	2	0.51
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG13	16	0.51
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG12	19	0.51
(1,3013)	1:53:A:VAL:HG12	1:56:A:GLU:HA	18	0.51
(1,2984)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	9	0.51
(1,2983)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	9	0.51
(1,2966)	1:91:B:LYS:HG3	1:89:B:THR:HG21	9	0.51
(1,2965)	1:91:A:LYS:HG3	1:89:A:THR:HG21	9	0.51
(1,2952)	1:82:B:LEU:HG	1:83:B:LYS:HA	19	0.51
(1,2951)	1:82:A:LEU:HG	1:83:A:LYS:HA	15	0.51
(1,2940)	1:51:B:LYS:HD2	1:54:B:ILE:HD12	19	0.51
(1,2860)	1:53:B:VAL:HG11	1:46:B:LYS:HG3	16	0.51
(1,2854)	1:73:B:GLU:HB3	1:77:B:LEU:HB2	9	0.51
(1,2853)	1:73:A:GLU:HB3	1:77:A:LEU:HB2	9	0.51
(1,2841)	1:52:A:ALA:HB1	1:55:A:ASP:HB2	18	0.51
(1,2832)	1:58:B:PHE:HA	1:77:B:LEU:HB2	8	0.51
(1,2811)	1:37:A:LEU:HD22	1:33:A:LEU:HG	14	0.51
(1,2742)	1:75:B:ILE:HG13	1:83:A:LYS:HD2	14	0.51
(1,2739)	1:30:A:LYS:HB3	1:51:A:LYS:HD2	14	0.51
(1,2711)	1:30:A:LYS:HB3	1:51:A:LYS:HD2	14	0.51
(1,2706)	1:45:B:ILE:HB	1:91:B:LYS:HD3	18	0.51
(1,2682)	1:83:B:LYS:HB2	1:91:B:LYS:HD3	15	0.51
(1,2681)	1:83:A:LYS:HB2	1:91:A:LYS:HD3	15	0.51
(1,2654)	1:59:B:GLN:HB2	1:57:B:ILE:HB	14	0.51
(1,2653)	1:59:A:GLN:HB2	1:57:A:ILE:HB	14	0.51
(1,2644)	1:50:B:ASP:HB3	1:51:B:LYS:HB3	20	0.51
(1,2643)	1:50:A:ASP:HB3	1:51:A:LYS:HB3	20	0.51
(1,2616)	1:59:B:GLN:HG2	1:57:B:ILE:HB	14	0.51
(1,2615)	1:59:A:GLN:HG2	1:57:A:ILE:HB	14	0.51
(1,2606)	1:49:B:LYS:HB3	1:49:B:LYS:HE3	12	0.51
(1,2605)	1:49:A:LYS:HB3	1:49:A:LYS:HE3	12	0.51
(1,2582)	1:80:B:ILE:HB	1:81:B:ALA:HA	3	0.51
(1,2558)	1:39:B:LYS:HE2	1:39:B:LYS:HB3	18	0.51
(1,2520)	1:8:B:LEU:HB2	1:7:B:HIS:HB2	16	0.51
(1,2506)	1:61:B:LEU:HG	1:60:B:GLY:HA3	14	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2496)	1:32:B:GLU:HG2	1:35:B:GLN:HB2	1	0.51
(1,2495)	1:32:A:GLU:HG2	1:35:A:GLN:HB2	1	0.51
(1,2478)	1:55:B:ASP:HB3	1:56:B:GLU:HB2	4	0.51
(1,2426)	1:67:B:GLU:HG2	1:30:B:LYS:HE3	6	0.51
(1,2426)	1:67:B:GLU:HG3	1:30:B:LYS:HE3	19	0.51
(1,2425)	1:67:A:GLU:HG2	1:30:A:LYS:HE3	6	0.51
(1,2425)	1:67:A:GLU:HG3	1:30:A:LYS:HE3	19	0.51
(1,2408)	1:52:B:ALA:HB3	1:56:B:GLU:HG2	7	0.51
(1,2407)	1:52:A:ALA:HB3	1:56:A:GLU:HG2	7	0.51
(1,2402)	1:51:B:LYS:HD2	1:53:B:VAL:HB	3	0.51
(1,2366)	1:53:B:VAL:HB	1:50:B:ASP:HB2	11	0.51
(1,2366)	1:53:B:VAL:HB	1:50:B:ASP:HB2	16	0.51
(1,2352)	1:36:B:LEU:HB3	1:40:B:GLU:HB2	1	0.51
(1,2352)	1:36:B:LEU:HB3	1:40:B:GLU:HB2	8	0.51
(1,2352)	1:36:B:LEU:HB3	1:40:B:GLU:HB2	19	0.51
(1,2351)	1:36:A:LEU:HB3	1:40:A:GLU:HB2	1	0.51
(1,2351)	1:36:A:LEU:HB3	1:40:A:GLU:HB2	19	0.51
(1,2322)	1:67:B:GLU:HB2	1:30:B:LYS:HE3	14	0.51
(1,2321)	1:67:A:GLU:HB2	1:30:A:LYS:HE3	14	0.51
(1,2316)	1:32:B:GLU:HG2	1:35:B:GLN:HB2	1	0.51
(1,2315)	1:32:A:GLU:HG2	1:35:A:GLN:HB2	1	0.51
(1,2277)	1:42:A:ALA:HB1	1:43:A:ASN:HB3	14	0.51
(1,2270)	1:83:B:LYS:HA	1:83:B:LYS:HE2	1	0.51
(1,2269)	1:83:A:LYS:HA	1:83:A:LYS:HE2	19	0.51
(1,2088)	1:79:B:ALA:HA	1:76:B:SER:HB3	15	0.51
(1,2082)	1:78:B:VAL:HG21	1:74:B:PHE:HA	10	0.51
(1,2081)	1:78:A:VAL:HG21	1:74:A:PHE:HA	10	0.51
(1,2076)	1:79:B:ALA:HA	1:76:B:SER:HB3	15	0.51
(1,2074)	1:79:B:ALA:HA	1:76:B:SER:HB3	15	0.51
(1,2060)	1:83:B:LYS:HD2	1:79:B:ALA:HA	15	0.51
(1,2059)	1:83:A:LYS:HD2	1:79:A:ALA:HA	15	0.51
(1,2058)	1:73:B:GLU:HB2	1:74:B:PHE:HA	3	0.51
(1,2057)	1:73:A:GLU:HB2	1:74:A:PHE:HA	3	0.51
(1,1966)	1:37:B:LEU:HD12	1:33:B:LEU:HA	8	0.51
(1,1942)	1:30:B:LYS:HD3	1:52:B:ALA:HA	12	0.51
(1,1941)	1:30:A:LYS:HD3	1:52:A:ALA:HA	12	0.51
(1,1899)	1:44:A:THR:HG22	1:88:A:HIS:HA	18	0.51
(1,1896)	1:12:B:VAL:HG21	1:13:B:ASN:HA	14	0.51
(1,1890)	1:49:B:LYS:HD2	1:50:B:ASP:HA	16	0.51
(1,1889)	1:49:A:LYS:HD2	1:50:A:ASP:HA	16	0.51
(1,1806)	1:57:B:ILE:HG22	1:61:B:LEU:H	10	0.51
(1,1806)	1:57:B:ILE:HG22	1:61:B:LEU:H	17	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1805)	1:57:A:ILE:HG22	1:61:A:LEU:H	10	0.51
(1,1805)	1:57:A:ILE:HG22	1:61:A:LEU:H	17	0.51
(1,1804)	1:85:B:ALA:HB1	1:12:A:VAL:H	1	0.51
(1,1803)	1:85:A:ALA:HB1	1:12:B:VAL:H	1	0.51
(1,1803)	1:84:A:ALA:H	1:85:A:ALA:HB1	4	0.51
(1,1767)	1:72:A:GLN:H	1:72:A:GLN:HG2	17	0.51
(1,1744)	1:63:B:ALA:H	1:61:B:LEU:HG	11	0.51
(1,1743)	1:63:A:ALA:H	1:61:A:LEU:HG	11	0.51
(1,1724)	1:80:B:ILE:HG22	1:8:A:LEU:HD11	17	0.51
(1,1723)	1:80:A:ILE:HG22	1:8:B:LEU:HD11	17	0.51
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG12	11	0.51
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG12	11	0.51
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG13	13	0.51
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG13	18	0.51
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG13	1	0.51
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG13	18	0.51
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD12	19	0.51
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB2	12	0.51
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB3	20	0.51
(1,1418)	1:37:B:LEU:H	1:40:B:GLU:HB2	12	0.51
(1,550)	1:37:B:LEU:HB3	1:37:B:LEU:HG	9	0.51
(1,550)	1:37:B:LEU:HB3	1:37:B:LEU:HG	10	0.51
(1,550)	1:37:B:LEU:HB3	1:37:B:LEU:HG	11	0.51
(1,550)	1:37:B:LEU:HB3	1:37:B:LEU:HG	12	0.51
(1,550)	1:37:B:LEU:HB3	1:37:B:LEU:HG	14	0.51
(1,550)	1:37:B:LEU:HB3	1:37:B:LEU:HG	17	0.51
(1,550)	1:37:B:LEU:HB3	1:37:B:LEU:HG	18	0.51
(1,549)	1:37:A:LEU:HB3	1:37:A:LEU:HG	1	0.51
(1,549)	1:37:A:LEU:HB3	1:37:A:LEU:HG	9	0.51
(1,549)	1:37:A:LEU:HB3	1:37:A:LEU:HG	11	0.51
(1,549)	1:37:A:LEU:HB3	1:37:A:LEU:HG	12	0.51
(1,549)	1:37:A:LEU:HB3	1:37:A:LEU:HG	14	0.51
(1,549)	1:37:A:LEU:HB3	1:37:A:LEU:HG	17	0.51
(1,424)	1:39:B:LYS:HD2	1:35:B:GLN:HB3	15	0.51
(1,423)	1:39:A:LYS:HD2	1:35:A:GLN:HB3	15	0.51
(1,390)	1:59:B:GLN:HG3	1:55:B:ASP:HB3	3	0.51
(1,313)	1:11:A:ILE:HA	1:7:B:HIS:HB3	15	0.51
(1,124)	1:36:B:LEU:HD22	1:42:B:ALA:H	8	0.51
(1,124)	1:36:B:LEU:HD23	1:42:B:ALA:H	15	0.51
(1,123)	1:36:A:LEU:HD22	1:42:A:ALA:H	8	0.51
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB3	18	0.51
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB3	18	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG22	3	0.5
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG22	3	0.5
(1,3770)	1:41:B:LEU:H	1:48:B:ILE:HG22	12	0.5
(1,3770)	1:41:B:LEU:H	1:48:B:ILE:HG23	14	0.5
(1,3769)	1:41:A:LEU:H	1:48:A:ILE:HG22	12	0.5
(1,3769)	1:41:A:LEU:H	1:48:A:ILE:HG23	14	0.5
(1,3730)	1:37:B:LEU:H	1:33:B:LEU:HD12	6	0.5
(1,3729)	1:37:A:LEU:H	1:33:A:LEU:HD12	6	0.5
(1,3726)	1:41:B:LEU:H	1:48:B:ILE:HG13	12	0.5
(1,3716)	1:15:B:PHE:H	1:36:B:LEU:HG	2	0.5
(1,3715)	1:15:A:PHE:H	1:36:A:LEU:HG	2	0.5
(1,3706)	1:12:B:VAL:H	1:82:A:LEU:HG	15	0.5
(1,3705)	1:12:A:VAL:H	1:82:B:LEU:HG	15	0.5
(1,3684)	1:43:B:ASN:H	1:48:B:ILE:HG12	18	0.5
(1,3683)	1:43:A:ASN:H	1:48:A:ILE:HG12	18	0.5
(1,3668)	1:40:B:GLU:H	1:37:B:LEU:HB2	1	0.5
(1,3668)	1:40:B:GLU:H	1:37:B:LEU:HB2	2	0.5
(1,3668)	1:40:B:GLU:H	1:37:B:LEU:HB2	16	0.5
(1,3668)	1:40:B:GLU:H	1:37:B:LEU:HB2	20	0.5
(1,3667)	1:40:A:GLU:H	1:37:A:LEU:HB2	1	0.5
(1,3667)	1:40:A:GLU:H	1:37:A:LEU:HB2	2	0.5
(1,3667)	1:40:A:GLU:H	1:37:A:LEU:HB2	16	0.5
(1,3667)	1:40:A:GLU:H	1:37:A:LEU:HB2	20	0.5
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB3	4	0.5
(1,3628)	1:51:B:LYS:H	1:51:B:LYS:HG3	4	0.5
(1,3612)	1:34:B:LYS:H	1:36:B:LEU:HB3	7	0.5
(1,3611)	1:34:A:LYS:H	1:36:A:LEU:HB3	7	0.5
(1,3596)	1:85:B:ALA:H	1:91:B:LYS:HB2	4	0.5
(1,3596)	1:85:B:ALA:H	1:91:B:LYS:HB2	8	0.5
(1,3595)	1:85:A:ALA:H	1:91:A:LYS:HB2	4	0.5
(1,3595)	1:85:A:ALA:H	1:91:A:LYS:HB2	8	0.5
(1,3572)	1:36:B:LEU:H	1:37:B:LEU:HG	1	0.5
(1,3572)	1:36:B:LEU:H	1:37:B:LEU:HG	15	0.5
(1,3490)	1:8:B:LEU:H	1:6:B:GLU:HG3	16	0.5
(1,3264)	1:12:B:VAL:H	1:10:B:GLY:H	18	0.5
(1,3236)	1:12:B:VAL:H	1:14:B:ILE:H	12	0.5
(1,3235)	1:12:A:VAL:H	1:14:A:ILE:H	12	0.5
(1,3220)	1:30:B:LYS:HG3	1:62:B:ASP:HB2	9	0.5
(1,3219)	1:30:A:LYS:HG3	1:62:A:ASP:HB2	9	0.5
(1,3178)	1:83:B:LYS:HE3	1:75:A:ILE:HD12	10	0.5
(1,3140)	1:12:B:VAL:HG23	1:9:B:GLU:HG3	3	0.5
(1,3120)	1:82:B:LEU:HA	1:12:A:VAL:HG22	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3119)	1:82:A:LEU:HA	1:12:B:VAL:HG22	4	0.5
(1,3088)	1:30:B:LYS:HD3	1:67:B:GLU:HG3	19	0.5
(1,3087)	1:30:A:LYS:HD3	1:67:A:GLU:HG3	19	0.5
(1,3078)	1:80:B:ILE:HD13	1:60:B:GLY:HA3	14	0.5
(1,3076)	1:85:B:ALA:HA	1:12:A:VAL:HG23	15	0.5
(1,3046)	1:38:B:THR:HA	1:37:B:LEU:HD22	9	0.5
(1,3045)	1:38:A:THR:HA	1:37:A:LEU:HD22	9	0.5
(1,3035)	1:9:A:GLU:HG2	1:12:A:VAL:HG11	17	0.5
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG12	8	0.5
(1,2951)	1:82:A:LEU:HG	1:83:A:LYS:HA	19	0.5
(1,2939)	1:51:A:LYS:HD2	1:54:A:ILE:HD12	19	0.5
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD12	2	0.5
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD12	2	0.5
(1,2856)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	16	0.5
(1,2855)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	16	0.5
(1,2842)	1:52:B:ALA:HB1	1:55:B:ASP:HB2	18	0.5
(1,2831)	1:58:A:PHE:HA	1:77:A:LEU:HB2	8	0.5
(1,2831)	1:58:A:PHE:HA	1:30:A:LYS:HB2	14	0.5
(1,2812)	1:37:B:LEU:HD22	1:33:B:LEU:HG	14	0.5
(1,2682)	1:83:B:LYS:HB2	1:91:B:LYS:HD3	7	0.5
(1,2682)	1:83:B:LYS:HB2	1:91:B:LYS:HD3	19	0.5
(1,2681)	1:83:A:LYS:HB2	1:91:A:LYS:HD3	7	0.5
(1,2681)	1:83:A:LYS:HB2	1:91:A:LYS:HD3	19	0.5
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB3	3	0.5
(1,2654)	1:59:B:GLN:HB2	1:57:B:ILE:HB	19	0.5
(1,2654)	1:59:B:GLN:HB2	1:57:B:ILE:HB	20	0.5
(1,2653)	1:59:A:GLN:HB2	1:57:A:ILE:HB	19	0.5
(1,2653)	1:59:A:GLN:HB2	1:57:A:ILE:HB	20	0.5
(1,2648)	1:67:B:GLU:HG2	1:68:B:GLN:HB2	9	0.5
(1,2647)	1:67:A:GLU:HG2	1:68:A:GLN:HB2	9	0.5
(1,2644)	1:50:B:ASP:HB3	1:51:B:LYS:HB3	12	0.5
(1,2643)	1:50:A:ASP:HB3	1:51:A:LYS:HB3	12	0.5
(1,2616)	1:59:B:GLN:HG2	1:57:B:ILE:HB	2	0.5
(1,2615)	1:59:A:GLN:HG2	1:57:A:ILE:HB	2	0.5
(1,2615)	1:59:A:GLN:HG2	1:57:A:ILE:HB	16	0.5
(1,2606)	1:49:B:LYS:HB3	1:49:B:LYS:HE3	1	0.5
(1,2606)	1:49:B:LYS:HB3	1:49:B:LYS:HE3	17	0.5
(1,2605)	1:49:A:LYS:HB3	1:49:A:LYS:HE3	1	0.5
(1,2605)	1:49:A:LYS:HB3	1:49:A:LYS:HE3	17	0.5
(1,2557)	1:39:A:LYS:HE2	1:39:A:LYS:HB3	18	0.5
(1,2554)	1:79:B:ALA:HA	1:78:B:VAL:HB	19	0.5
(1,2553)	1:79:A:ALA:HA	1:78:A:VAL:HB	19	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2520)	1:8:B:LEU:HB2	1:7:B:HIS:HB2	19	0.5
(1,2519)	1:8:A:LEU:HB2	1:7:A:HIS:HB2	19	0.5
(1,2505)	1:61:A:LEU:HG	1:60:A:GLY:HA3	14	0.5
(1,2419)	1:67:A:GLU:HG2	1:59:A:GLN:HA	10	0.5
(1,2414)	1:67:B:GLU:HG2	1:29:B:SER:HB3	2	0.5
(1,2380)	1:53:B:VAL:HB	1:46:B:LYS:HE3	16	0.5
(1,2379)	1:53:A:VAL:HB	1:46:A:LYS:HE3	16	0.5
(1,2365)	1:53:A:VAL:HB	1:50:A:ASP:HB2	16	0.5
(1,2343)	1:54:A:ILE:HG23	1:30:A:LYS:HE2	14	0.5
(1,2296)	1:59:B:GLN:HG3	1:55:B:ASP:HB3	8	0.5
(1,2296)	1:59:B:GLN:HG3	1:55:B:ASP:HB3	19	0.5
(1,2295)	1:59:A:GLN:HG3	1:55:A:ASP:HB3	8	0.5
(1,2295)	1:59:A:GLN:HG2	1:55:A:ASP:HB3	13	0.5
(1,2295)	1:59:A:GLN:HG3	1:55:A:ASP:HB3	19	0.5
(1,2270)	1:83:B:LYS:HA	1:83:B:LYS:HE2	19	0.5
(1,2269)	1:83:A:LYS:HA	1:83:A:LYS:HE2	1	0.5
(1,2268)	1:75:B:ILE:HD11	1:83:A:LYS:HE3	12	0.5
(1,2197)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	18	0.5
(1,2180)	1:13:B:ASN:HB2	1:16:B:HIS:HB2	9	0.5
(1,2179)	1:13:A:ASN:HB2	1:16:A:HIS:HB2	9	0.5
(1,2074)	1:81:B:ALA:HA	1:79:B:ALA:HA	17	0.5
(1,2073)	1:81:A:ALA:HA	1:79:A:ALA:HA	17	0.5
(1,1900)	1:44:B:THR:HG22	1:88:B:HIS:HA	18	0.5
(1,1896)	1:12:B:VAL:HG23	1:13:B:ASN:HA	19	0.5
(1,1896)	1:12:B:VAL:HG21	1:13:B:ASN:HA	20	0.5
(1,1895)	1:12:A:VAL:HG23	1:13:A:ASN:HA	19	0.5
(1,1895)	1:12:A:VAL:HG21	1:13:A:ASN:HA	20	0.5
(1,1890)	1:49:B:LYS:HD2	1:50:B:ASP:HA	4	0.5
(1,1889)	1:49:A:LYS:HD2	1:50:A:ASP:HA	4	0.5
(1,1854)	1:54:B:ILE:H	1:55:B:ASP:HB2	12	0.5
(1,1804)	1:84:B:ALA:H	1:85:B:ALA:HB1	4	0.5
(1,1768)	1:72:B:GLN:H	1:72:B:GLN:HG2	13	0.5
(1,1768)	1:72:B:GLN:H	1:72:B:GLN:HG2	16	0.5
(1,1768)	1:72:B:GLN:H	1:72:B:GLN:HG2	17	0.5
(1,1767)	1:72:A:GLN:H	1:72:A:GLN:HG2	13	0.5
(1,1767)	1:72:A:GLN:H	1:72:A:GLN:HG2	16	0.5
(1,1744)	1:63:B:ALA:H	1:61:B:LEU:HG	17	0.5
(1,1743)	1:63:A:ALA:H	1:61:A:LEU:HG	17	0.5
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD13	2	0.5
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD12	13	0.5
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD12	16	0.5
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD13	2	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD12	13	0.5
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD12	16	0.5
(1,1704)	1:8:B:LEU:HG	1:45:A:ILE:HG13	4	0.5
(1,1703)	1:8:A:LEU:HG	1:45:B:ILE:HG13	4	0.5
(1,1688)	1:12:B:VAL:HG21	1:82:A:LEU:HA	17	0.5
(1,1687)	1:12:A:VAL:HG23	1:82:B:LEU:HA	12	0.5
(1,1687)	1:12:A:VAL:HG21	1:82:B:LEU:HA	17	0.5
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG22	16	0.5
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG22	16	0.5
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG13	1	0.5
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG11	4	0.5
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG12	8	0.5
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG11	4	0.5
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG12	8	0.5
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD13	2	0.5
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD13	2	0.5
(1,1500)	1:83:B:LYS:H	1:83:B:LYS:HB3	8	0.5
(1,1499)	1:83:A:LYS:H	1:83:A:LYS:HB3	8	0.5
(1,606)	1:83:B:LYS:HD3	1:87:B:TYR:HB3	7	0.5
(1,550)	1:37:B:LEU:HB3	1:37:B:LEU:HG	1	0.5
(1,550)	1:37:B:LEU:HB3	1:37:B:LEU:HG	2	0.5
(1,550)	1:37:B:LEU:HB3	1:37:B:LEU:HG	3	0.5
(1,550)	1:37:B:LEU:HB3	1:37:B:LEU:HG	4	0.5
(1,550)	1:37:B:LEU:HB3	1:37:B:LEU:HG	5	0.5
(1,550)	1:37:B:LEU:HB3	1:37:B:LEU:HG	6	0.5
(1,550)	1:37:B:LEU:HB3	1:37:B:LEU:HG	7	0.5
(1,550)	1:37:B:LEU:HB3	1:37:B:LEU:HG	8	0.5
(1,550)	1:37:B:LEU:HB3	1:37:B:LEU:HG	13	0.5
(1,550)	1:37:B:LEU:HB3	1:37:B:LEU:HG	15	0.5
(1,550)	1:37:B:LEU:HB3	1:37:B:LEU:HG	16	0.5
(1,550)	1:37:B:LEU:HB3	1:37:B:LEU:HG	19	0.5
(1,550)	1:37:B:LEU:HB3	1:37:B:LEU:HG	20	0.5
(1,549)	1:37:A:LEU:HB3	1:37:A:LEU:HG	2	0.5
(1,549)	1:37:A:LEU:HB3	1:37:A:LEU:HG	3	0.5
(1,549)	1:37:A:LEU:HB3	1:37:A:LEU:HG	4	0.5
(1,549)	1:37:A:LEU:HB3	1:37:A:LEU:HG	5	0.5
(1,549)	1:37:A:LEU:HB3	1:37:A:LEU:HG	6	0.5
(1,549)	1:37:A:LEU:HB3	1:37:A:LEU:HG	7	0.5
(1,549)	1:37:A:LEU:HB3	1:37:A:LEU:HG	8	0.5
(1,549)	1:37:A:LEU:HB3	1:37:A:LEU:HG	10	0.5
(1,549)	1:37:A:LEU:HB3	1:37:A:LEU:HG	13	0.5
(1,549)	1:37:A:LEU:HB3	1:37:A:LEU:HG	15	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,549)	1:37:A:LEU:HB3	1:37:A:LEU:HG	16	0.5
(1,549)	1:37:A:LEU:HB3	1:37:A:LEU:HG	18	0.5
(1,549)	1:37:A:LEU:HB3	1:37:A:LEU:HG	19	0.5
(1,549)	1:37:A:LEU:HB3	1:37:A:LEU:HG	20	0.5
(1,512)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	4	0.5
(1,511)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	4	0.5
(1,399)	1:12:A:VAL:HG23	1:86:B:HIS:HB3	13	0.5
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB1	3	0.5
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB1	3	0.5
(1,76)	1:41:B:LEU:H	1:40:B:GLU:HG2	1	0.5
(1,76)	1:41:B:LEU:H	1:40:B:GLU:HG2	5	0.5
(1,75)	1:41:A:LEU:H	1:40:A:GLU:HG2	1	0.5
(1,75)	1:41:A:LEU:H	1:40:A:GLU:HG2	5	0.5
(2,138)	1:75:B:ILE:H	1:61:B:LEU:HB2	1	0.49
(2,137)	1:75:A:ILE:H	1:61:A:LEU:HB2	1	0.49
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG23	9	0.49
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG23	9	0.49
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD13	7	0.49
(1,3808)	1:74:B:PHE:H	1:61:B:LEU:HD13	18	0.49
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD13	7	0.49
(1,3807)	1:74:A:PHE:H	1:61:A:LEU:HD13	18	0.49
(1,3682)	1:39:B:LYS:H	1:37:B:LEU:HB2	3	0.49
(1,3681)	1:39:A:LYS:H	1:37:A:LEU:HB2	3	0.49
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB1	2	0.49
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB3	4	0.49
(1,3627)	1:51:A:LYS:H	1:51:A:LYS:HG3	4	0.49
(1,3626)	1:38:B:THR:H	1:54:B:ILE:HG12	8	0.49
(1,3625)	1:38:A:THR:H	1:54:A:ILE:HG12	8	0.49
(1,3589)	1:90:A:HIS:H	1:46:A:LYS:HB2	12	0.49
(1,3489)	1:8:A:LEU:H	1:6:A:GLU:HG3	16	0.49
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG2	20	0.49
(1,3479)	1:85:A:ALA:H	1:12:B:VAL:HB	7	0.49
(1,3478)	1:70:B:ASP:H	1:71:B:PHE:HB2	19	0.49
(1,3477)	1:70:A:ASP:H	1:71:A:PHE:HB2	19	0.49
(1,3452)	1:72:B:GLN:H	1:83:A:LYS:HE2	18	0.49
(1,3451)	1:72:A:GLN:H	1:83:B:LYS:HE2	2	0.49
(1,3418)	1:10:B:GLY:H	1:7:B:HIS:HB2	7	0.49
(1,3417)	1:10:A:GLY:H	1:7:A:HIS:HB2	7	0.49
(1,3417)	1:10:A:GLY:H	1:7:B:HIS:HB3	13	0.49
(1,3263)	1:12:A:VAL:H	1:10:A:GLY:H	18	0.49
(1,3178)	1:83:B:LYS:HE3	1:75:A:ILE:HD12	17	0.49
(1,3177)	1:83:A:LYS:HE3	1:75:B:ILE:HD12	17	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3120)	1:82:B:LEU:HA	1:12:A:VAL:HG23	7	0.49
(1,3077)	1:80:A:ILE:HD13	1:60:A:GLY:HA3	14	0.49
(1,3072)	1:12:B:VAL:HG21	1:9:B:GLU:HA	20	0.49
(1,3071)	1:12:A:VAL:HG21	1:9:A:GLU:HA	20	0.49
(1,3048)	1:30:B:LYS:HA	1:33:B:LEU:HD23	3	0.49
(1,3047)	1:30:A:LYS:HA	1:33:A:LEU:HD23	3	0.49
(1,3036)	1:9:B:GLU:HG2	1:12:B:VAL:HG11	17	0.49
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG12	8	0.49
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG11	15	0.49
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG11	15	0.49
(1,2983)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	12	0.49
(1,2952)	1:82:B:LEU:HG	1:83:B:LYS:HA	5	0.49
(1,2951)	1:82:A:LEU:HG	1:83:A:LYS:HA	5	0.49
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD13	16	0.49
(1,2883)	1:83:A:LYS:HG2	1:82:A:LEU:HB2	6	0.49
(1,2868)	1:77:B:LEU:HA	1:80:B:ILE:HG12	15	0.49
(1,2868)	1:77:B:LEU:HA	1:80:B:ILE:HG12	17	0.49
(1,2867)	1:77:A:LEU:HA	1:80:A:ILE:HG12	15	0.49
(1,2867)	1:77:A:LEU:HA	1:80:A:ILE:HG12	17	0.49
(1,2832)	1:58:B:PHE:HA	1:30:B:LYS:HB2	14	0.49
(1,2828)	1:81:B:ALA:HB1	1:81:B:ALA:HB3	1	0.49
(1,2828)	1:81:B:ALA:HB2	1:81:B:ALA:HB1	2	0.49
(1,2828)	1:84:B:ALA:HB1	1:84:B:ALA:HB3	3	0.49
(1,2828)	1:81:B:ALA:HB1	1:81:B:ALA:HB3	4	0.49
(1,2828)	1:81:B:ALA:HB2	1:81:B:ALA:HB1	5	0.49
(1,2828)	1:81:B:ALA:HB2	1:81:B:ALA:HB3	6	0.49
(1,2828)	1:81:B:ALA:HB2	1:81:B:ALA:HB3	7	0.49
(1,2828)	1:81:B:ALA:HB1	1:81:B:ALA:HB3	8	0.49
(1,2828)	1:81:B:ALA:HB2	1:81:B:ALA:HB3	9	0.49
(1,2828)	1:81:B:ALA:HB2	1:81:B:ALA:HB1	10	0.49
(1,2828)	1:81:B:ALA:HB2	1:81:B:ALA:HB3	11	0.49
(1,2828)	1:84:B:ALA:HB1	1:84:B:ALA:HB3	12	0.49
(1,2828)	1:81:B:ALA:HB2	1:81:B:ALA:HB3	13	0.49
(1,2828)	1:81:B:ALA:HB2	1:81:B:ALA:HB3	14	0.49
(1,2828)	1:81:B:ALA:HB2	1:81:B:ALA:HB3	15	0.49
(1,2828)	1:81:B:ALA:HB2	1:81:B:ALA:HB3	16	0.49
(1,2828)	1:81:B:ALA:HB2	1:81:B:ALA:HB1	17	0.49
(1,2828)	1:81:B:ALA:HB2	1:81:B:ALA:HB1	18	0.49
(1,2828)	1:81:B:ALA:HB2	1:81:B:ALA:HB3	19	0.49
(1,2828)	1:81:B:ALA:HB2	1:81:B:ALA:HB1	20	0.49
(1,2827)	1:81:A:ALA:HB1	1:81:A:ALA:HB3	1	0.49
(1,2827)	1:81:A:ALA:HB2	1:81:A:ALA:HB1	2	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2827)	1:84:A:ALA:HB1	1:84:A:ALA:HB3	3	0.49
(1,2827)	1:85:A:ALA:HB1	1:85:A:ALA:HB3	4	0.49
(1,2827)	1:81:A:ALA:HB2	1:81:A:ALA:HB1	5	0.49
(1,2827)	1:81:A:ALA:HB2	1:81:A:ALA:HB3	6	0.49
(1,2827)	1:81:A:ALA:HB2	1:81:A:ALA:HB3	7	0.49
(1,2827)	1:81:A:ALA:HB2	1:81:A:ALA:HB1	8	0.49
(1,2827)	1:81:A:ALA:HB2	1:81:A:ALA:HB3	9	0.49
(1,2827)	1:81:A:ALA:HB2	1:81:A:ALA:HB1	10	0.49
(1,2827)	1:81:A:ALA:HB2	1:81:A:ALA:HB1	11	0.49
(1,2827)	1:84:A:ALA:HB1	1:84:A:ALA:HB3	12	0.49
(1,2827)	1:81:A:ALA:HB2	1:81:A:ALA:HB3	13	0.49
(1,2827)	1:81:A:ALA:HB2	1:81:A:ALA:HB3	14	0.49
(1,2827)	1:81:A:ALA:HB2	1:81:A:ALA:HB3	15	0.49
(1,2827)	1:84:A:ALA:HB2	1:84:A:ALA:HB1	16	0.49
(1,2827)	1:81:A:ALA:HB2	1:81:A:ALA:HB1	17	0.49
(1,2827)	1:81:A:ALA:HB2	1:81:A:ALA:HB1	18	0.49
(1,2827)	1:81:A:ALA:HB2	1:81:A:ALA:HB3	19	0.49
(1,2827)	1:81:A:ALA:HB2	1:81:A:ALA:HB1	20	0.49
(1,2826)	1:42:B:ALA:HB2	1:42:B:ALA:HB1	1	0.49
(1,2826)	1:63:B:ALA:HB1	1:63:B:ALA:HB3	2	0.49
(1,2826)	1:63:B:ALA:HB1	1:63:B:ALA:HB3	5	0.49
(1,2826)	1:52:B:ALA:HB2	1:52:B:ALA:HB3	7	0.49
(1,2826)	1:63:B:ALA:HB2	1:63:B:ALA:HB3	8	0.49
(1,2826)	1:63:B:ALA:HB2	1:63:B:ALA:HB3	13	0.49
(1,2826)	1:63:B:ALA:HB2	1:63:B:ALA:HB1	15	0.49
(1,2826)	1:63:B:ALA:HB2	1:63:B:ALA:HB3	19	0.49
(1,2825)	1:42:A:ALA:HB2	1:42:A:ALA:HB1	8	0.49
(1,2825)	1:42:A:ALA:HB1	1:42:A:ALA:HB3	9	0.49
(1,2825)	1:42:A:ALA:HB1	1:42:A:ALA:HB3	13	0.49
(1,2825)	1:63:A:ALA:HB2	1:63:A:ALA:HB1	15	0.49
(1,2825)	1:42:A:ALA:HB1	1:42:A:ALA:HB3	17	0.49
(1,2825)	1:42:A:ALA:HB1	1:42:A:ALA:HB3	19	0.49
(1,2818)	1:53:B:VAL:HG12	1:46:B:LYS:HG3	14	0.49
(1,2812)	1:37:B:LEU:HD23	1:33:B:LEU:HG	2	0.49
(1,2811)	1:37:A:LEU:HD23	1:33:A:LEU:HG	2	0.49
(1,2811)	1:37:A:LEU:HD22	1:33:A:LEU:HG	16	0.49
(1,2741)	1:75:A:ILE:HG13	1:83:B:LYS:HD2	14	0.49
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB3	3	0.49
(1,2654)	1:59:B:GLN:HB2	1:57:B:ILE:HB	17	0.49
(1,2653)	1:59:A:GLN:HB2	1:57:A:ILE:HB	17	0.49
(1,2642)	1:33:B:LEU:HB3	1:34:B:LYS:HB2	19	0.49
(1,2641)	1:33:A:LEU:HB3	1:34:A:LYS:HB2	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2616)	1:59:B:GLN:HG2	1:57:B:ILE:HB	16	0.49
(1,2606)	1:49:B:LYS:HB3	1:49:B:LYS:HE3	20	0.49
(1,2564)	1:13:B:ASN:HB2	1:9:B:GLU:HB3	13	0.49
(1,2563)	1:13:A:ASN:HB2	1:9:A:GLU:HB3	13	0.49
(1,2557)	1:39:A:LYS:HE2	1:39:A:LYS:HB3	9	0.49
(1,2554)	1:79:B:ALA:HA	1:78:B:VAL:HB	20	0.49
(1,2553)	1:79:A:ALA:HA	1:78:A:VAL:HB	20	0.49
(1,2520)	1:7:B:HIS:HB2	1:6:B:GLU:HB3	15	0.49
(1,2519)	1:7:A:HIS:HB2	1:6:A:GLU:HB3	15	0.49
(1,2505)	1:61:A:LEU:HG	1:60:A:GLY:HA3	19	0.49
(1,2496)	1:32:B:GLU:HG2	1:35:B:GLN:HB2	19	0.49
(1,2495)	1:32:A:GLU:HG2	1:35:A:GLN:HB2	19	0.49
(1,2480)	1:62:B:ASP:HB3	1:59:B:GLN:HB3	1	0.49
(1,2420)	1:67:B:GLU:HG2	1:59:B:GLN:HA	10	0.49
(1,2413)	1:67:A:GLU:HG2	1:29:A:SER:HB3	2	0.49
(1,2344)	1:54:B:ILE:HG23	1:30:B:LYS:HE2	14	0.49
(1,2296)	1:59:B:GLN:HG2	1:55:B:ASP:HB3	13	0.49
(1,2270)	1:83:B:LYS:HA	1:83:B:LYS:HE2	18	0.49
(1,2269)	1:83:A:LYS:HA	1:83:A:LYS:HE2	18	0.49
(1,2226)	1:82:B:LEU:HD13	1:78:A:VAL:HA	3	0.49
(1,2198)	1:30:B:LYS:HE3	1:51:B:LYS:HE2	17	0.49
(1,2198)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	18	0.49
(1,2198)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	20	0.49
(1,2197)	1:30:A:LYS:HE3	1:51:A:LYS:HE2	17	0.49
(1,2197)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	20	0.49
(1,2196)	1:59:B:GLN:HA	1:58:B:PHE:HB3	17	0.49
(1,2195)	1:59:A:GLN:HA	1:58:A:PHE:HB3	17	0.49
(1,2020)	1:91:B:LYS:HD3	1:83:B:LYS:HA	10	0.49
(1,1896)	1:12:B:VAL:HG23	1:13:B:ASN:HA	5	0.49
(1,1895)	1:12:A:VAL:HG23	1:13:A:ASN:HA	5	0.49
(1,1890)	1:49:B:LYS:HD2	1:50:B:ASP:HA	18	0.49
(1,1853)	1:54:A:ILE:H	1:55:A:ASP:HB2	9	0.49
(1,1853)	1:54:A:ILE:H	1:55:A:ASP:HB2	12	0.49
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD13	15	0.49
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD13	15	0.49
(1,1712)	1:91:B:LYS:HD2	1:75:A:ILE:HG23	1	0.49
(1,1704)	1:8:B:LEU:HG	1:45:A:ILE:HG13	1	0.49
(1,1703)	1:8:A:LEU:HG	1:45:B:ILE:HG13	1	0.49
(1,1694)	1:75:B:ILE:HD12	1:83:A:LYS:HE3	5	0.49
(1,1694)	1:75:B:ILE:HD13	1:83:A:LYS:HE3	7	0.49
(1,1694)	1:75:B:ILE:HD11	1:83:A:LYS:HE2	11	0.49
(1,1694)	1:75:B:ILE:HD13	1:83:A:LYS:HE2	18	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1693)	1:75:A:ILE:HD12	1:83:B:LYS:HE3	5	0.49
(1,1693)	1:75:A:ILE:HD13	1:83:B:LYS:HE3	7	0.49
(1,1693)	1:75:A:ILE:HD11	1:83:B:LYS:HE2	11	0.49
(1,1693)	1:75:A:ILE:HD13	1:83:B:LYS:HE2	18	0.49
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG21	18	0.49
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG12	3	0.49
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG12	3	0.49
(1,1500)	1:83:B:LYS:H	1:83:B:LYS:HB3	7	0.49
(1,1499)	1:83:A:LYS:H	1:83:A:LYS:HB3	7	0.49
(1,654)	1:37:B:LEU:HB2	1:48:B:ILE:HG12	11	0.49
(1,653)	1:37:A:LEU:HB2	1:48:A:ILE:HG12	11	0.49
(1,605)	1:83:A:LYS:HD3	1:87:A:TYR:HB3	7	0.49
(1,546)	1:46:B:LYS:HD2	1:46:B:LYS:HB3	19	0.49
(1,545)	1:46:A:LYS:HD2	1:46:A:LYS:HB3	19	0.49
(1,400)	1:12:B:VAL:HG23	1:86:A:HIS:HB3	13	0.49
(1,396)	1:50:B:ASP:HB3	1:47:B:ASN:HB2	11	0.49
(1,395)	1:50:A:ASP:HB3	1:47:A:ASN:HB2	11	0.49
(1,382)	1:12:B:VAL:HG23	1:86:A:HIS:HB2	17	0.49
(1,381)	1:12:A:VAL:HG23	1:86:B:HIS:HB2	17	0.49
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB3	5	0.49
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB3	5	0.49
(2,56)	1:70:B:ASP:HB3	1:74:B:PHE:HB2	18	0.48
(2,55)	1:70:A:ASP:HB3	1:74:A:PHE:HB2	18	0.48
(1,3770)	1:41:B:LEU:H	1:37:B:LEU:HD21	2	0.48
(1,3769)	1:41:A:LEU:H	1:37:A:LEU:HD21	2	0.48
(1,3738)	1:11:B:ILE:H	1:12:B:VAL:HG12	11	0.48
(1,3737)	1:11:A:ILE:H	1:12:A:VAL:HG12	11	0.48
(1,3710)	1:44:B:THR:H	1:45:B:ILE:HG13	6	0.48
(1,3709)	1:44:A:THR:H	1:45:A:ILE:HG13	6	0.48
(1,3682)	1:39:B:LYS:H	1:37:B:LEU:HB2	4	0.48
(1,3682)	1:39:B:LYS:H	1:37:B:LEU:HB2	9	0.48
(1,3682)	1:39:B:LYS:H	1:37:B:LEU:HB2	13	0.48
(1,3682)	1:39:B:LYS:H	1:37:B:LEU:HB2	20	0.48
(1,3681)	1:39:A:LYS:H	1:37:A:LEU:HB2	9	0.48
(1,3681)	1:39:A:LYS:H	1:37:A:LEU:HB2	13	0.48
(1,3681)	1:39:A:LYS:H	1:37:A:LEU:HB2	20	0.48
(1,3668)	1:40:B:GLU:H	1:37:B:LEU:HB2	3	0.48
(1,3668)	1:40:B:GLU:H	1:37:B:LEU:HB2	6	0.48
(1,3668)	1:40:B:GLU:H	1:37:B:LEU:HB2	14	0.48
(1,3667)	1:40:A:GLU:H	1:37:A:LEU:HB2	3	0.48
(1,3667)	1:40:A:GLU:H	1:37:A:LEU:HB2	6	0.48
(1,3667)	1:40:A:GLU:H	1:37:A:LEU:HB2	14	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB1	2	0.48
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB3	7	0.48
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB3	7	0.48
(1,3628)	1:51:B:LYS:H	1:51:B:LYS:HG3	5	0.48
(1,3628)	1:51:B:LYS:H	1:51:B:LYS:HG3	12	0.48
(1,3628)	1:51:B:LYS:H	1:51:B:LYS:HG3	19	0.48
(1,3627)	1:51:A:LYS:H	1:51:A:LYS:HG3	5	0.48
(1,3627)	1:51:A:LYS:H	1:51:A:LYS:HG3	12	0.48
(1,3627)	1:51:A:LYS:H	1:51:A:LYS:HG3	19	0.48
(1,3622)	1:87:B:TYR:H	1:85:B:ALA:HB2	12	0.48
(1,3611)	1:34:A:LYS:H	1:36:A:LEU:HB3	20	0.48
(1,3608)	1:43:B:ASN:H	1:49:B:LYS:HD3	2	0.48
(1,3607)	1:43:A:ASN:H	1:49:A:LYS:HD3	2	0.48
(1,3590)	1:90:B:HIS:H	1:46:B:LYS:HB2	12	0.48
(1,3506)	1:18:B:TYR:H	1:40:B:GLU:HG3	13	0.48
(1,3505)	1:18:A:TYR:H	1:40:A:GLU:HG3	13	0.48
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG2	20	0.48
(1,3460)	1:57:B:ILE:H	1:55:B:ASP:HB3	5	0.48
(1,3459)	1:57:A:ILE:H	1:55:A:ASP:HB3	5	0.48
(1,3452)	1:72:B:GLN:H	1:83:A:LYS:HE2	2	0.48
(1,3451)	1:72:A:GLN:H	1:83:B:LYS:HE2	18	0.48
(1,3422)	1:92:B:GLU:H	1:90:B:HIS:HB2	15	0.48
(1,3422)	1:92:B:GLU:H	1:90:B:HIS:HB2	16	0.48
(1,3421)	1:92:A:GLU:H	1:90:A:HIS:HB2	15	0.48
(1,3421)	1:92:A:GLU:H	1:90:A:HIS:HB2	16	0.48
(1,3291)	1:84:A:ALA:H	1:92:A:GLU:H	1	0.48
(1,3236)	1:7:B:HIS:H	1:9:B:GLU:H	20	0.48
(1,3235)	1:7:A:HIS:H	1:9:A:GLU:H	20	0.48
(1,3145)	1:88:A:HIS:HB3	1:12:B:VAL:HG22	5	0.48
(1,3120)	1:82:B:LEU:HA	1:12:A:VAL:HG23	15	0.48
(1,3119)	1:82:A:LEU:HA	1:12:B:VAL:HG23	15	0.48
(1,3110)	1:45:B:ILE:HG22	1:45:B:ILE:HG21	7	0.48
(1,3110)	1:54:B:ILE:HG22	1:54:B:ILE:HG21	11	0.48
(1,3110)	1:54:B:ILE:HG22	1:54:B:ILE:HG23	12	0.48
(1,3110)	1:45:B:ILE:HG22	1:45:B:ILE:HG23	14	0.48
(1,3110)	1:45:B:ILE:HG22	1:45:B:ILE:HG23	15	0.48
(1,3109)	1:45:A:ILE:HG22	1:45:A:ILE:HG23	1	0.48
(1,3109)	1:80:A:ILE:HG21	1:80:A:ILE:HG23	4	0.48
(1,3109)	1:45:A:ILE:HG22	1:45:A:ILE:HG23	6	0.48
(1,3109)	1:57:A:ILE:HG21	1:57:A:ILE:HG23	7	0.48
(1,3109)	1:80:A:ILE:HG22	1:80:A:ILE:HG23	13	0.48
(1,3109)	1:54:A:ILE:HG21	1:54:A:ILE:HG23	16	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG21	14	0.48
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG21	14	0.48
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG13	6	0.48
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG13	6	0.48
(1,2984)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	12	0.48
(1,2972)	1:81:B:ALA:HB3	1:45:B:ILE:HG13	11	0.48
(1,2971)	1:81:A:ALA:HB3	1:45:A:ILE:HG13	11	0.48
(1,2970)	1:44:B:THR:HG22	1:44:B:THR:HG23	1	0.48
(1,2970)	1:44:B:THR:HG21	1:44:B:THR:HG22	2	0.48
(1,2970)	1:44:B:THR:HG21	1:44:B:THR:HG22	3	0.48
(1,2970)	1:44:B:THR:HG21	1:44:B:THR:HG23	4	0.48
(1,2970)	1:44:B:THR:HG21	1:44:B:THR:HG23	5	0.48
(1,2970)	1:44:B:THR:HG21	1:44:B:THR:HG22	6	0.48
(1,2970)	1:89:B:THR:HG21	1:89:B:THR:HG22	7	0.48
(1,2970)	1:44:B:THR:HG21	1:44:B:THR:HG23	8	0.48
(1,2970)	1:44:B:THR:HG21	1:44:B:THR:HG23	9	0.48
(1,2970)	1:89:B:THR:HG21	1:89:B:THR:HG22	10	0.48
(1,2970)	1:44:B:THR:HG21	1:44:B:THR:HG23	11	0.48
(1,2970)	1:44:B:THR:HG21	1:44:B:THR:HG23	12	0.48
(1,2970)	1:89:B:THR:HG21	1:89:B:THR:HG22	13	0.48
(1,2970)	1:44:B:THR:HG22	1:44:B:THR:HG23	14	0.48
(1,2970)	1:44:B:THR:HG21	1:44:B:THR:HG23	15	0.48
(1,2970)	1:44:B:THR:HG22	1:44:B:THR:HG23	16	0.48
(1,2970)	1:44:B:THR:HG21	1:44:B:THR:HG23	17	0.48
(1,2970)	1:89:B:THR:HG22	1:89:B:THR:HG23	18	0.48
(1,2970)	1:44:B:THR:HG22	1:44:B:THR:HG23	19	0.48
(1,2970)	1:44:B:THR:HG21	1:44:B:THR:HG22	20	0.48
(1,2969)	1:89:A:THR:HG22	1:89:A:THR:HG23	1	0.48
(1,2969)	1:89:A:THR:HG22	1:89:A:THR:HG23	2	0.48
(1,2969)	1:44:A:THR:HG22	1:44:A:THR:HG23	3	0.48
(1,2969)	1:44:A:THR:HG21	1:44:A:THR:HG23	4	0.48
(1,2969)	1:44:A:THR:HG21	1:44:A:THR:HG22	5	0.48
(1,2969)	1:44:A:THR:HG21	1:44:A:THR:HG22	6	0.48
(1,2969)	1:44:A:THR:HG21	1:44:A:THR:HG23	7	0.48
(1,2969)	1:44:A:THR:HG21	1:44:A:THR:HG22	8	0.48
(1,2969)	1:44:A:THR:HG21	1:44:A:THR:HG23	10	0.48
(1,2969)	1:44:A:THR:HG22	1:44:A:THR:HG23	11	0.48
(1,2969)	1:44:A:THR:HG21	1:44:A:THR:HG22	12	0.48
(1,2969)	1:44:A:THR:HG21	1:44:A:THR:HG22	13	0.48
(1,2969)	1:89:A:THR:HG22	1:89:A:THR:HG23	14	0.48
(1,2969)	1:44:A:THR:HG21	1:44:A:THR:HG22	15	0.48
(1,2969)	1:44:A:THR:HG22	1:44:A:THR:HG23	16	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2969)	1:44:A:THR:HG21	1:44:A:THR:HG23	17	0.48
(1,2969)	1:44:A:THR:HG21	1:44:A:THR:HG22	18	0.48
(1,2969)	1:44:A:THR:HG22	1:44:A:THR:HG23	19	0.48
(1,2969)	1:44:A:THR:HG21	1:44:A:THR:HG22	20	0.48
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD12	14	0.48
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD13	16	0.48
(1,2914)	1:45:B:ILE:HG13	1:42:B:ALA:HA	2	0.48
(1,2913)	1:45:A:ILE:HG13	1:42:A:ALA:HA	2	0.48
(1,2884)	1:83:B:LYS:HG2	1:82:B:LEU:HB2	6	0.48
(1,2884)	1:79:B:ALA:HB2	1:82:B:LEU:HB2	12	0.48
(1,2883)	1:79:A:ALA:HB2	1:82:A:LEU:HB2	12	0.48
(1,2856)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	6	0.48
(1,2856)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	8	0.48
(1,2855)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	6	0.48
(1,2855)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	8	0.48
(1,2826)	1:42:B:ALA:HB2	1:42:B:ALA:HB1	3	0.48
(1,2826)	1:63:B:ALA:HB2	1:63:B:ALA:HB3	4	0.48
(1,2826)	1:42:B:ALA:HB2	1:42:B:ALA:HB1	6	0.48
(1,2826)	1:63:B:ALA:HB2	1:63:B:ALA:HB3	9	0.48
(1,2826)	1:42:B:ALA:HB2	1:42:B:ALA:HB1	10	0.48
(1,2826)	1:63:B:ALA:HB1	1:63:B:ALA:HB3	11	0.48
(1,2826)	1:63:B:ALA:HB2	1:63:B:ALA:HB1	12	0.48
(1,2826)	1:63:B:ALA:HB1	1:63:B:ALA:HB3	14	0.48
(1,2826)	1:42:B:ALA:HB1	1:42:B:ALA:HB3	16	0.48
(1,2826)	1:63:B:ALA:HB2	1:63:B:ALA:HB1	17	0.48
(1,2826)	1:42:B:ALA:HB2	1:42:B:ALA:HB3	18	0.48
(1,2826)	1:42:B:ALA:HB2	1:42:B:ALA:HB3	20	0.48
(1,2825)	1:42:A:ALA:HB2	1:42:A:ALA:HB3	1	0.48
(1,2825)	1:42:A:ALA:HB1	1:42:A:ALA:HB3	2	0.48
(1,2825)	1:42:A:ALA:HB2	1:42:A:ALA:HB1	3	0.48
(1,2825)	1:63:A:ALA:HB2	1:63:A:ALA:HB3	4	0.48
(1,2825)	1:63:A:ALA:HB2	1:63:A:ALA:HB1	5	0.48
(1,2825)	1:42:A:ALA:HB2	1:42:A:ALA:HB3	6	0.48
(1,2825)	1:63:A:ALA:HB2	1:63:A:ALA:HB1	7	0.48
(1,2825)	1:52:A:ALA:HB1	1:52:A:ALA:HB3	10	0.48
(1,2825)	1:63:A:ALA:HB1	1:63:A:ALA:HB3	11	0.48
(1,2825)	1:63:A:ALA:HB2	1:63:A:ALA:HB1	12	0.48
(1,2825)	1:63:A:ALA:HB1	1:63:A:ALA:HB3	14	0.48
(1,2825)	1:42:A:ALA:HB1	1:42:A:ALA:HB3	16	0.48
(1,2825)	1:63:A:ALA:HB2	1:63:A:ALA:HB3	18	0.48
(1,2825)	1:63:A:ALA:HB2	1:63:A:ALA:HB1	20	0.48
(1,2818)	1:53:B:VAL:HG12	1:46:B:LYS:HG3	1	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2817)	1:53:A:VAL:HG12	1:46:A:LYS:HG3	1	0.48
(1,2817)	1:53:A:VAL:HG11	1:46:A:LYS:HG3	3	0.48
(1,2817)	1:53:A:VAL:HG12	1:46:A:LYS:HG3	14	0.48
(1,2812)	1:37:B:LEU:HD21	1:33:B:LEU:HG	9	0.48
(1,2812)	1:37:B:LEU:HD22	1:33:B:LEU:HG	16	0.48
(1,2811)	1:37:A:LEU:HD21	1:33:A:LEU:HG	9	0.48
(1,2804)	1:46:B:LYS:HG3	1:47:B:ASN:HB3	8	0.48
(1,2750)	1:32:B:GLU:HG2	1:33:B:LEU:HB3	2	0.48
(1,2749)	1:32:A:GLU:HG2	1:33:A:LEU:HB3	2	0.48
(1,2696)	1:61:B:LEU:HB2	1:57:B:ILE:HA	14	0.48
(1,2695)	1:61:A:LEU:HB2	1:57:A:ILE:HA	14	0.48
(1,2694)	1:61:B:LEU:HB2	1:57:B:ILE:HA	14	0.48
(1,2693)	1:61:A:LEU:HB2	1:57:A:ILE:HA	14	0.48
(1,2680)	1:49:B:LYS:HB2	1:47:B:ASN:HB3	7	0.48
(1,2680)	1:49:B:LYS:HB2	1:47:B:ASN:HB3	11	0.48
(1,2679)	1:49:A:LYS:HB2	1:47:A:ASN:HB3	7	0.48
(1,2654)	1:59:B:GLN:HB2	1:57:B:ILE:HB	7	0.48
(1,2653)	1:59:A:GLN:HB2	1:57:A:ILE:HB	7	0.48
(1,2605)	1:49:A:LYS:HB3	1:49:A:LYS:HE3	20	0.48
(1,2558)	1:39:B:LYS:HE2	1:39:B:LYS:HB3	9	0.48
(1,2508)	1:10:B:GLY:HA3	1:9:B:GLU:HB2	5	0.48
(1,2507)	1:10:A:GLY:HA3	1:9:A:GLU:HB2	5	0.48
(1,2506)	1:61:B:LEU:HG	1:60:B:GLY:HA3	16	0.48
(1,2506)	1:61:B:LEU:HG	1:60:B:GLY:HA3	19	0.48
(1,2505)	1:61:A:LEU:HG	1:60:A:GLY:HA3	16	0.48
(1,2479)	1:62:A:ASP:HB3	1:59:A:GLN:HB3	1	0.48
(1,2426)	1:67:B:GLU:HG2	1:30:B:LYS:HE2	12	0.48
(1,2425)	1:67:A:GLU:HG2	1:30:A:LYS:HE2	12	0.48
(1,2352)	1:36:B:LEU:HB3	1:40:B:GLU:HB2	14	0.48
(1,2352)	1:36:B:LEU:HB3	1:40:B:GLU:HB2	16	0.48
(1,2352)	1:36:B:LEU:HB3	1:40:B:GLU:HB2	18	0.48
(1,2351)	1:36:A:LEU:HB3	1:40:A:GLU:HB2	14	0.48
(1,2351)	1:36:A:LEU:HB3	1:40:A:GLU:HB2	16	0.48
(1,2351)	1:36:A:LEU:HB3	1:40:A:GLU:HB2	18	0.48
(1,2343)	1:54:A:ILE:HG23	1:30:A:LYS:HE2	18	0.48
(1,2267)	1:75:A:ILE:HD11	1:83:B:LYS:HE3	12	0.48
(1,2264)	1:88:B:HIS:HB3	1:86:B:HIS:HB2	6	0.48
(1,2263)	1:88:A:HIS:HB3	1:86:A:HIS:HB2	6	0.48
(1,2225)	1:82:A:LEU:HD13	1:78:B:VAL:HA	3	0.48
(1,2180)	1:13:B:ASN:HB2	1:16:B:HIS:HB3	4	0.48
(1,2180)	1:13:B:ASN:HB2	1:16:B:HIS:HB3	7	0.48
(1,2179)	1:13:A:ASN:HB2	1:16:A:HIS:HB3	4	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2179)	1:13:A:ASN:HB2	1:16:A:HIS:HB3	7	0.48
(1,2166)	1:12:B:VAL:HG22	1:88:A:HIS:HB3	5	0.48
(1,2019)	1:91:A:LYS:HD3	1:83:A:LYS:HA	10	0.48
(1,1942)	1:30:B:LYS:HD2	1:52:B:ALA:HA	1	0.48
(1,1942)	1:30:B:LYS:HD3	1:52:B:ALA:HA	19	0.48
(1,1941)	1:30:A:LYS:HD2	1:52:A:ALA:HA	1	0.48
(1,1941)	1:30:A:LYS:HD3	1:52:A:ALA:HA	19	0.48
(1,1896)	1:12:B:VAL:HG23	1:13:B:ASN:HA	8	0.48
(1,1896)	1:12:B:VAL:HG21	1:13:B:ASN:HA	15	0.48
(1,1895)	1:12:A:VAL:HG23	1:13:A:ASN:HA	8	0.48
(1,1895)	1:12:A:VAL:HG21	1:13:A:ASN:HA	15	0.48
(1,1894)	1:91:B:LYS:HG3	1:88:B:HIS:HA	13	0.48
(1,1893)	1:91:A:LYS:HG3	1:88:A:HIS:HA	13	0.48
(1,1890)	1:49:B:LYS:HD2	1:50:B:ASP:HA	11	0.48
(1,1890)	1:49:B:LYS:HD2	1:50:B:ASP:HA	14	0.48
(1,1889)	1:49:A:LYS:HD2	1:50:A:ASP:HA	11	0.48
(1,1889)	1:49:A:LYS:HD2	1:50:A:ASP:HA	18	0.48
(1,1882)	1:46:B:LYS:HE2	1:90:B:HIS:HA	9	0.48
(1,1744)	1:63:B:ALA:H	1:61:B:LEU:HG	2	0.48
(1,1744)	1:63:B:ALA:H	1:61:B:LEU:HG	6	0.48
(1,1744)	1:63:B:ALA:H	1:61:B:LEU:HG	16	0.48
(1,1744)	1:63:B:ALA:H	1:61:B:LEU:HG	18	0.48
(1,1743)	1:63:A:ALA:H	1:61:A:LEU:HG	6	0.48
(1,1743)	1:63:A:ALA:H	1:61:A:LEU:HG	16	0.48
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD12	5	0.48
(1,1711)	1:91:A:LYS:HD2	1:75:B:ILE:HG23	1	0.48
(1,1704)	1:8:B:LEU:HG	1:45:A:ILE:HG13	17	0.48
(1,1703)	1:8:A:LEU:HG	1:45:B:ILE:HG13	17	0.48
(1,1694)	1:75:B:ILE:HD12	1:83:A:LYS:HE3	1	0.48
(1,1694)	1:75:B:ILE:HD11	1:83:A:LYS:HE3	14	0.48
(1,1693)	1:75:A:ILE:HD12	1:83:B:LYS:HE3	1	0.48
(1,1693)	1:75:A:ILE:HD11	1:83:B:LYS:HE3	14	0.48
(1,1688)	1:12:B:VAL:HG22	1:86:A:HIS:HA	8	0.48
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG21	18	0.48
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG13	11	0.48
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG13	11	0.48
(1,1480)	1:8:B:LEU:H	1:8:B:LEU:HB3	1	0.48
(1,1480)	1:8:B:LEU:H	1:8:B:LEU:HB3	5	0.48
(1,1479)	1:8:A:LEU:H	1:8:A:LEU:HB3	1	0.48
(1,390)	1:59:B:GLN:HG3	1:55:B:ASP:HB3	11	0.48
(1,389)	1:59:A:GLN:HG3	1:55:A:ASP:HB3	11	0.48
(1,310)	1:53:B:VAL:HG22	1:54:B:ILE:HA	16	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,309)	1:53:A:VAL:HG22	1:54:A:ILE:HA	16	0.48
(1,254)	1:49:B:LYS:HE2	1:38:B:THR:HB	9	0.48
(1,253)	1:49:A:LYS:HE2	1:38:A:THR:HB	9	0.48
(2,138)	1:75:B:ILE:H	1:61:B:LEU:HB2	6	0.47
(2,137)	1:75:A:ILE:H	1:61:A:LEU:HB2	6	0.47
(1,3801)	1:10:A:GLY:H	1:12:A:VAL:HG21	2	0.47
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG21	12	0.47
(1,3770)	1:54:B:ILE:H	1:48:B:ILE:HD11	20	0.47
(1,3769)	1:54:A:ILE:H	1:48:A:ILE:HD11	20	0.47
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG22	20	0.47
(1,3682)	1:39:B:LYS:H	1:37:B:LEU:HB2	14	0.47
(1,3681)	1:39:A:LYS:H	1:37:A:LEU:HB2	4	0.47
(1,3681)	1:39:A:LYS:H	1:37:A:LEU:HB2	14	0.47
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB3	13	0.47
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB3	13	0.47
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB3	18	0.47
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB3	18	0.47
(1,3621)	1:87:A:TYR:H	1:85:A:ALA:HB2	12	0.47
(1,3614)	1:52:B:ALA:H	1:51:B:LYS:HD2	20	0.47
(1,3613)	1:52:A:ALA:H	1:51:A:LYS:HD2	20	0.47
(1,3612)	1:34:B:LYS:H	1:36:B:LEU:HB3	20	0.47
(1,3608)	1:43:B:ASN:H	1:49:B:LYS:HD3	5	0.47
(1,3607)	1:43:A:ASN:H	1:49:A:LYS:HD3	5	0.47
(1,3596)	1:85:B:ALA:H	1:91:B:LYS:HB2	13	0.47
(1,3595)	1:85:A:ALA:H	1:91:A:LYS:HB2	13	0.47
(1,3480)	1:85:B:ALA:H	1:12:A:VAL:HB	7	0.47
(1,3478)	1:70:B:ASP:H	1:72:B:GLN:HG2	8	0.47
(1,3451)	1:72:A:GLN:H	1:83:B:LYS:HE2	16	0.47
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB2	15	0.47
(1,3417)	1:10:A:GLY:H	1:7:A:HIS:HB3	14	0.47
(1,3292)	1:84:B:ALA:H	1:92:B:GLU:H	1	0.47
(1,3236)	1:7:B:HIS:H	1:9:B:GLU:H	15	0.47
(1,3230)	1:75:B:ILE:HD13	1:78:A:VAL:HG12	1	0.47
(1,3229)	1:75:A:ILE:HD13	1:78:B:VAL:HG12	1	0.47
(1,3146)	1:88:B:HIS:HB3	1:12:A:VAL:HG22	5	0.47
(1,3110)	1:45:B:ILE:HG21	1:45:B:ILE:HG23	1	0.47
(1,3110)	1:45:B:ILE:HG22	1:45:B:ILE:HG21	2	0.47
(1,3110)	1:80:B:ILE:HG21	1:80:B:ILE:HG23	3	0.47
(1,3110)	1:80:B:ILE:HG21	1:80:B:ILE:HG23	4	0.47
(1,3110)	1:57:B:ILE:HG21	1:57:B:ILE:HG23	5	0.47
(1,3110)	1:45:B:ILE:HG22	1:45:B:ILE:HG23	6	0.47
(1,3110)	1:57:B:ILE:HG22	1:57:B:ILE:HG23	8	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3110)	1:80:B:ILE:HG22	1:80:B:ILE:HG23	9	0.47
(1,3110)	1:57:B:ILE:HG21	1:57:B:ILE:HG23	10	0.47
(1,3110)	1:80:B:ILE:HG22	1:80:B:ILE:HG23	13	0.47
(1,3110)	1:45:B:ILE:HG22	1:45:B:ILE:HG21	16	0.47
(1,3110)	1:80:B:ILE:HG22	1:80:B:ILE:HG23	17	0.47
(1,3110)	1:80:B:ILE:HG22	1:80:B:ILE:HG23	18	0.47
(1,3110)	1:45:B:ILE:HG22	1:45:B:ILE:HG21	19	0.47
(1,3110)	1:57:B:ILE:HG21	1:57:B:ILE:HG23	20	0.47
(1,3109)	1:57:A:ILE:HG21	1:57:A:ILE:HG23	2	0.47
(1,3109)	1:57:A:ILE:HG21	1:57:A:ILE:HG23	3	0.47
(1,3109)	1:57:A:ILE:HG21	1:57:A:ILE:HG23	5	0.47
(1,3109)	1:57:A:ILE:HG21	1:57:A:ILE:HG23	8	0.47
(1,3109)	1:80:A:ILE:HG22	1:80:A:ILE:HG23	9	0.47
(1,3109)	1:57:A:ILE:HG21	1:57:A:ILE:HG23	10	0.47
(1,3109)	1:57:A:ILE:HG22	1:57:A:ILE:HG23	11	0.47
(1,3109)	1:57:A:ILE:HG22	1:57:A:ILE:HG21	12	0.47
(1,3109)	1:80:A:ILE:HG21	1:80:A:ILE:HG23	14	0.47
(1,3109)	1:45:A:ILE:HG22	1:45:A:ILE:HG23	15	0.47
(1,3109)	1:45:A:ILE:HG22	1:45:A:ILE:HG23	17	0.47
(1,3109)	1:80:A:ILE:HG21	1:80:A:ILE:HG23	18	0.47
(1,3109)	1:45:A:ILE:HG22	1:45:A:ILE:HG23	19	0.47
(1,3109)	1:57:A:ILE:HG21	1:57:A:ILE:HG23	20	0.47
(1,3088)	1:30:B:LYS:HD3	1:67:B:GLU:HG3	14	0.47
(1,3087)	1:30:A:LYS:HD3	1:67:A:GLU:HG3	14	0.47
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG22	13	0.47
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG22	13	0.47
(1,3074)	1:59:B:GLN:HA	1:61:B:LEU:HD12	4	0.47
(1,3073)	1:59:A:GLN:HA	1:61:A:LEU:HD12	4	0.47
(1,3072)	1:12:B:VAL:HG23	1:9:B:GLU:HA	7	0.47
(1,3071)	1:12:A:VAL:HG23	1:9:A:GLU:HA	7	0.47
(1,3053)	1:86:A:HIS:HB3	1:12:B:VAL:HG21	5	0.47
(1,3038)	1:35:B:GLN:HB3	1:36:B:LEU:HG	20	0.47
(1,3037)	1:35:A:GLN:HB3	1:36:A:LEU:HG	20	0.47
(1,2984)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	6	0.47
(1,2983)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	6	0.47
(1,2969)	1:44:A:THR:HG21	1:44:A:THR:HG22	9	0.47
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD12	9	0.47
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD12	14	0.47
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD12	9	0.47
(1,2914)	1:45:B:ILE:HG13	1:42:B:ALA:HA	13	0.47
(1,2913)	1:45:A:ILE:HG13	1:42:A:ALA:HA	13	0.47
(1,2855)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	11	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2818)	1:53:B:VAL:HG11	1:46:B:LYS:HG3	3	0.47
(1,2803)	1:46:A:LYS:HG3	1:47:A:ASN:HB3	8	0.47
(1,2742)	1:75:B:ILE:HG13	1:83:A:LYS:HD2	7	0.47
(1,2741)	1:75:A:ILE:HG13	1:83:B:LYS:HD2	7	0.47
(1,2741)	1:75:A:ILE:HG13	1:83:B:LYS:HD2	13	0.47
(1,2724)	1:84:B:ALA:HB3	1:91:B:LYS:HD3	18	0.47
(1,2723)	1:84:A:ALA:HB3	1:91:A:LYS:HD3	18	0.47
(1,2682)	1:83:B:LYS:HB2	1:91:B:LYS:HD3	11	0.47
(1,2679)	1:49:A:LYS:HB2	1:47:A:ASN:HB3	11	0.47
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB2	17	0.47
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB2	20	0.47
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB2	17	0.47
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB2	20	0.47
(1,2647)	1:67:A:GLU:HG2	1:68:A:GLN:HB2	20	0.47
(1,2642)	1:33:B:LEU:HB3	1:34:B:LYS:HB2	16	0.47
(1,2641)	1:33:A:LEU:HB3	1:34:A:LYS:HB2	16	0.47
(1,2611)	1:91:A:LYS:HE3	1:83:A:LYS:HB3	12	0.47
(1,2595)	1:85:A:ALA:HB1	1:9:B:GLU:HB3	1	0.47
(1,2505)	1:61:A:LEU:HG	1:60:A:GLY:HA3	12	0.47
(1,2471)	1:85:A:ALA:HA	1:9:B:GLU:HG3	10	0.47
(1,2413)	1:29:A:SER:HB3	1:68:A:GLN:HG2	6	0.47
(1,2366)	1:53:B:VAL:HB	1:50:B:ASP:HB2	18	0.47
(1,2365)	1:53:A:VAL:HB	1:50:A:ASP:HB2	18	0.47
(1,2352)	1:36:B:LEU:HB3	1:40:B:GLU:HB2	5	0.47
(1,2352)	1:36:B:LEU:HB3	1:40:B:GLU:HB2	11	0.47
(1,2351)	1:36:A:LEU:HB3	1:40:A:GLU:HB2	5	0.47
(1,2351)	1:36:A:LEU:HB3	1:40:A:GLU:HB2	11	0.47
(1,2344)	1:54:B:ILE:HG23	1:30:B:LYS:HE2	18	0.47
(1,2336)	1:30:B:LYS:HE2	1:58:B:PHE:HB3	12	0.47
(1,2335)	1:30:A:LYS:HE2	1:58:A:PHE:HB3	12	0.47
(1,2256)	1:84:B:ALA:HB2	1:91:B:LYS:HE3	11	0.47
(1,2165)	1:12:A:VAL:HG22	1:88:B:HIS:HB3	5	0.47
(1,2076)	1:79:B:ALA:HA	1:79:A:ALA:HA	10	0.47
(1,2075)	1:79:A:ALA:HA	1:79:B:ALA:HA	10	0.47
(1,2074)	1:79:B:ALA:HA	1:79:A:ALA:HA	10	0.47
(1,2073)	1:79:A:ALA:HA	1:79:B:ALA:HA	10	0.47
(1,1895)	1:12:A:VAL:HG22	1:13:A:ASN:HA	13	0.47
(1,1890)	1:49:B:LYS:HD2	1:50:B:ASP:HA	17	0.47
(1,1889)	1:49:A:LYS:HD2	1:50:A:ASP:HA	14	0.47
(1,1889)	1:49:A:LYS:HD2	1:50:A:ASP:HA	17	0.47
(1,1888)	1:49:B:LYS:HD2	1:50:B:ASP:HA	17	0.47
(1,1887)	1:49:A:LYS:HD2	1:50:A:ASP:HA	17	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1882)	1:46:B:LYS:HE2	1:90:B:HIS:HA	18	0.47
(1,1881)	1:46:A:LYS:HE2	1:90:A:HIS:HA	9	0.47
(1,1881)	1:46:A:LYS:HE2	1:90:A:HIS:HA	18	0.47
(1,1854)	1:54:B:ILE:H	1:55:B:ASP:HB2	9	0.47
(1,1822)	1:41:B:LEU:H	1:48:B:ILE:HG12	8	0.47
(1,1821)	1:41:A:LEU:H	1:48:A:ILE:HG12	8	0.47
(1,1806)	1:57:B:ILE:HG22	1:61:B:LEU:H	12	0.47
(1,1806)	1:57:B:ILE:HG23	1:61:B:LEU:H	19	0.47
(1,1805)	1:57:A:ILE:HG22	1:61:A:LEU:H	12	0.47
(1,1743)	1:63:A:ALA:H	1:61:A:LEU:HG	2	0.47
(1,1743)	1:63:A:ALA:H	1:61:A:LEU:HG	18	0.47
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD12	5	0.47
(1,1724)	1:80:B:ILE:HG23	1:8:A:LEU:HD12	20	0.47
(1,1723)	1:80:A:ILE:HG23	1:8:B:LEU:HD12	20	0.47
(1,1703)	1:8:A:LEU:HG	1:45:B:ILE:HG13	18	0.47
(1,1687)	1:12:A:VAL:HG22	1:86:B:HIS:HA	8	0.47
(1,1636)	1:57:B:ILE:H	1:57:B:ILE:HG12	18	0.47
(1,1635)	1:57:A:ILE:H	1:57:A:ILE:HG12	18	0.47
(1,1627)	1:52:A:ALA:H	1:53:A:VAL:HG11	9	0.47
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD11	3	0.47
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD12	13	0.47
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD11	3	0.47
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD12	13	0.47
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB1	4	0.47
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB1	18	0.47
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB3	1	0.47
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB1	4	0.47
(1,1500)	1:83:B:LYS:H	1:83:B:LYS:HB3	17	0.47
(1,1499)	1:83:A:LYS:H	1:83:A:LYS:HB3	17	0.47
(1,1480)	1:8:B:LEU:H	1:8:B:LEU:HB3	3	0.47
(1,1479)	1:8:A:LEU:H	1:8:A:LEU:HB3	5	0.47
(1,606)	1:83:B:LYS:HD3	1:87:B:TYR:HB3	14	0.47
(1,605)	1:83:A:LYS:HD3	1:87:A:TYR:HB3	14	0.47
(1,389)	1:59:A:GLN:HG3	1:55:A:ASP:HB3	20	0.47
(1,313)	1:11:A:ILE:HA	1:7:B:HIS:HB3	10	0.47
(1,310)	1:53:B:VAL:HG22	1:54:B:ILE:HA	17	0.47
(1,309)	1:53:A:VAL:HG22	1:54:A:ILE:HA	17	0.47
(1,192)	1:39:B:LYS:HD3	1:35:B:GLN:HA	9	0.47
(1,191)	1:39:A:LYS:HD3	1:35:A:GLN:HA	9	0.47
(1,124)	1:36:B:LEU:HD21	1:42:B:ALA:H	13	0.47
(1,124)	1:36:B:LEU:HD23	1:42:B:ALA:H	16	0.47
(1,123)	1:36:A:LEU:HD23	1:42:A:ALA:H	16	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,75)	1:41:A:LEU:H	1:40:A:GLU:HG2	19	0.47
(2,137)	1:75:A:ILE:H	1:61:A:LEU:HB2	2	0.46
(2,72)	1:32:B:GLU:HB2	1:36:B:LEU:HB2	20	0.46
(2,71)	1:32:A:GLU:HB2	1:36:A:LEU:HB2	20	0.46
(1,3802)	1:10:B:GLY:H	1:12:B:VAL:HG21	2	0.46
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG21	12	0.46
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG23	11	0.46
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG22	20	0.46
(1,3710)	1:44:B:THR:H	1:45:B:ILE:HG13	8	0.46
(1,3709)	1:44:A:THR:H	1:45:A:ILE:HG13	8	0.46
(1,3696)	1:8:B:LEU:H	1:44:A:THR:HG21	8	0.46
(1,3692)	1:75:B:ILE:H	1:61:B:LEU:HB3	20	0.46
(1,3691)	1:75:A:ILE:H	1:61:A:LEU:HB3	20	0.46
(1,3682)	1:39:B:LYS:H	1:37:B:LEU:HB2	1	0.46
(1,3682)	1:39:B:LYS:H	1:37:B:LEU:HB2	18	0.46
(1,3681)	1:39:A:LYS:H	1:37:A:LEU:HB2	18	0.46
(1,3668)	1:40:B:GLU:H	1:37:B:LEU:HB2	5	0.46
(1,3668)	1:40:B:GLU:H	1:37:B:LEU:HB2	12	0.46
(1,3668)	1:40:B:GLU:H	1:37:B:LEU:HB2	17	0.46
(1,3667)	1:40:A:GLU:H	1:37:A:LEU:HB2	5	0.46
(1,3667)	1:40:A:GLU:H	1:37:A:LEU:HB2	12	0.46
(1,3667)	1:40:A:GLU:H	1:37:A:LEU:HB2	17	0.46
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB3	19	0.46
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB3	19	0.46
(1,3627)	1:51:A:LYS:H	1:51:A:LYS:HG3	16	0.46
(1,3612)	1:34:B:LYS:H	1:36:B:LEU:HB3	3	0.46
(1,3611)	1:34:A:LYS:H	1:36:A:LEU:HB3	3	0.46
(1,3604)	1:58:B:PHE:H	1:61:B:LEU:HB2	20	0.46
(1,3603)	1:58:A:PHE:H	1:61:A:LEU:HB2	20	0.46
(1,3572)	1:36:B:LEU:H	1:37:B:LEU:HG	19	0.46
(1,3571)	1:36:A:LEU:H	1:37:A:LEU:HG	19	0.46
(1,3548)	1:76:B:SER:H	1:73:B:GLU:HB3	10	0.46
(1,3548)	1:76:B:SER:H	1:73:B:GLU:HB3	13	0.46
(1,3547)	1:76:A:SER:H	1:73:A:GLU:HB3	10	0.46
(1,3547)	1:76:A:SER:H	1:73:A:GLU:HB3	13	0.46
(1,3518)	1:10:B:GLY:H	1:9:B:GLU:HG2	19	0.46
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG2	3	0.46
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG2	13	0.46
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG2	3	0.46
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG2	13	0.46
(1,3477)	1:70:A:ASP:H	1:72:A:GLN:HG2	8	0.46
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB2	15	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3418)	1:10:B:GLY:H	1:7:B:HIS:HB3	14	0.46
(1,3264)	1:12:B:VAL:H	1:10:B:GLY:H	11	0.46
(1,3263)	1:12:A:VAL:H	1:10:A:GLY:H	11	0.46
(1,3236)	1:7:B:HIS:H	1:9:B:GLU:H	2	0.46
(1,3235)	1:7:A:HIS:H	1:9:A:GLU:H	2	0.46
(1,3235)	1:7:A:HIS:H	1:9:A:GLU:H	15	0.46
(1,3220)	1:30:B:LYS:HG3	1:62:B:ASP:HB2	5	0.46
(1,3219)	1:30:A:LYS:HG3	1:62:A:ASP:HB2	5	0.46
(1,3182)	1:75:B:ILE:HD12	1:72:B:GLN:HG3	6	0.46
(1,3181)	1:75:A:ILE:HD12	1:72:A:GLN:HG3	6	0.46
(1,3140)	1:12:B:VAL:HG23	1:9:B:GLU:HG3	14	0.46
(1,3139)	1:12:A:VAL:HG23	1:9:A:GLU:HG3	14	0.46
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG21	20	0.46
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG21	20	0.46
(1,3076)	1:85:B:ALA:HA	1:12:A:VAL:HG23	10	0.46
(1,3075)	1:85:A:ALA:HA	1:12:B:VAL:HG22	7	0.46
(1,3074)	1:59:B:GLN:HA	1:61:B:LEU:HD11	6	0.46
(1,3074)	1:59:B:GLN:HA	1:61:B:LEU:HD12	9	0.46
(1,3074)	1:59:B:GLN:HA	1:61:B:LEU:HD12	17	0.46
(1,3073)	1:59:A:GLN:HA	1:61:A:LEU:HD11	6	0.46
(1,3073)	1:59:A:GLN:HA	1:61:A:LEU:HD12	9	0.46
(1,3073)	1:59:A:GLN:HA	1:61:A:LEU:HD12	17	0.46
(1,3072)	1:12:B:VAL:HG23	1:9:B:GLU:HA	5	0.46
(1,3071)	1:12:A:VAL:HG23	1:9:A:GLU:HA	5	0.46
(1,3054)	1:86:B:HIS:HB3	1:12:A:VAL:HG21	5	0.46
(1,3053)	1:86:A:HIS:HB3	1:12:B:VAL:HG22	3	0.46
(1,3038)	1:35:B:GLN:HB3	1:36:B:LEU:HG	1	0.46
(1,3037)	1:35:A:GLN:HB3	1:36:A:LEU:HG	1	0.46
(1,2939)	1:51:A:LYS:HD2	1:54:A:ILE:HD13	2	0.46
(1,2939)	1:51:A:LYS:HD3	1:54:A:ILE:HD13	9	0.46
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD11	11	0.46
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD11	13	0.46
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD11	11	0.46
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD11	13	0.46
(1,2868)	1:77:B:LEU:HA	1:80:B:ILE:HG12	18	0.46
(1,2867)	1:77:A:LEU:HA	1:80:A:ILE:HG12	18	0.46
(1,2856)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	11	0.46
(1,2856)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	14	0.46
(1,2855)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	14	0.46
(1,2818)	1:53:B:VAL:HG12	1:46:B:LYS:HG3	13	0.46
(1,2817)	1:53:A:VAL:HG13	1:46:A:LYS:HG3	9	0.46
(1,2817)	1:53:A:VAL:HG12	1:46:A:LYS:HG3	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2742)	1:75:B:ILE:HG13	1:83:A:LYS:HD2	13	0.46
(1,2724)	1:84:B:ALA:HB1	1:91:B:LYS:HD3	20	0.46
(1,2723)	1:84:A:ALA:HB1	1:91:A:LYS:HD3	20	0.46
(1,2681)	1:83:A:LYS:HB2	1:91:A:LYS:HD3	11	0.46
(1,2680)	1:49:B:LYS:HB2	1:47:B:ASN:HB3	16	0.46
(1,2679)	1:49:A:LYS:HB2	1:47:A:ASN:HB3	16	0.46
(1,2662)	1:30:B:LYS:HG3	1:34:B:LYS:HB2	7	0.46
(1,2661)	1:30:A:LYS:HG3	1:34:A:LYS:HB2	7	0.46
(1,2648)	1:67:B:GLU:HG2	1:68:B:GLN:HB2	20	0.46
(1,2612)	1:91:B:LYS:HE3	1:83:B:LYS:HB3	12	0.46
(1,2596)	1:85:B:ALA:HB1	1:9:A:GLU:HB3	1	0.46
(1,2582)	1:80:B:ILE:HB	1:81:B:ALA:HA	8	0.46
(1,2581)	1:80:A:ILE:HB	1:81:A:ALA:HA	8	0.46
(1,2554)	1:79:B:ALA:HA	1:78:B:VAL:HB	2	0.46
(1,2553)	1:79:A:ALA:HA	1:78:A:VAL:HB	2	0.46
(1,2506)	1:61:B:LEU:HG	1:60:B:GLY:HA3	12	0.46
(1,2478)	1:55:B:ASP:HB3	1:56:B:GLU:HB2	7	0.46
(1,2477)	1:55:A:ASP:HB3	1:56:A:GLU:HB2	7	0.46
(1,2473)	1:32:A:GLU:HG2	1:31:A:GLY:HA3	9	0.46
(1,2414)	1:29:B:SER:HB3	1:68:B:GLN:HG2	6	0.46
(1,2352)	1:36:B:LEU:HB3	1:40:B:GLU:HB2	10	0.46
(1,2351)	1:36:A:LEU:HB3	1:40:A:GLU:HB2	10	0.46
(1,2351)	1:36:A:LEU:HB3	1:40:A:GLU:HB2	15	0.46
(1,2300)	1:53:B:VAL:HA	1:50:B:ASP:HB3	9	0.46
(1,2299)	1:53:A:VAL:HA	1:50:A:ASP:HB3	9	0.46
(1,2270)	1:83:B:LYS:HA	1:83:B:LYS:HE2	11	0.46
(1,2270)	1:83:B:LYS:HA	1:83:B:LYS:HE2	16	0.46
(1,2269)	1:83:A:LYS:HA	1:83:A:LYS:HE2	11	0.46
(1,2269)	1:83:A:LYS:HA	1:83:A:LYS:HE2	16	0.46
(1,2256)	1:52:B:ALA:HB1	1:50:B:ASP:HB2	17	0.46
(1,2255)	1:84:A:ALA:HB2	1:91:A:LYS:HE3	11	0.46
(1,2246)	1:46:B:LYS:HB2	1:46:B:LYS:HE2	18	0.46
(1,2245)	1:46:A:LYS:HB2	1:46:A:LYS:HE2	18	0.46
(1,2164)	1:51:B:LYS:HE2	1:58:B:PHE:HB2	9	0.46
(1,2068)	1:48:B:ILE:HA	1:51:B:LYS:HA	3	0.46
(1,2000)	1:74:B:PHE:HA	1:77:B:LEU:HA	1	0.46
(1,1999)	1:74:A:PHE:HA	1:77:A:LEU:HA	1	0.46
(1,1896)	1:12:B:VAL:HG22	1:13:B:ASN:HA	6	0.46
(1,1896)	1:12:B:VAL:HG23	1:13:B:ASN:HA	9	0.46
(1,1896)	1:12:B:VAL:HG22	1:13:B:ASN:HA	13	0.46
(1,1895)	1:12:A:VAL:HG22	1:13:A:ASN:HA	6	0.46
(1,1895)	1:12:A:VAL:HG23	1:13:A:ASN:HA	9	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1890)	1:49:B:LYS:HD2	1:50:B:ASP:HA	1	0.46
(1,1890)	1:91:B:LYS:HD3	1:90:B:HIS:HA	2	0.46
(1,1890)	1:49:B:LYS:HD2	1:50:B:ASP:HA	8	0.46
(1,1890)	1:49:B:LYS:HD2	1:50:B:ASP:HA	13	0.46
(1,1889)	1:49:A:LYS:HD2	1:50:A:ASP:HA	1	0.46
(1,1889)	1:91:A:LYS:HD3	1:90:A:HIS:HA	2	0.46
(1,1889)	1:49:A:LYS:HD2	1:50:A:ASP:HA	8	0.46
(1,1889)	1:49:A:LYS:HD2	1:50:A:ASP:HA	13	0.46
(1,1888)	1:49:B:LYS:HD2	1:50:B:ASP:HA	8	0.46
(1,1887)	1:49:A:LYS:HD2	1:50:A:ASP:HA	8	0.46
(1,1882)	1:46:B:LYS:HE2	1:90:B:HIS:HA	3	0.46
(1,1854)	1:54:B:ILE:H	1:55:B:ASP:HB2	19	0.46
(1,1853)	1:54:A:ILE:H	1:55:A:ASP:HB2	19	0.46
(1,1805)	1:57:A:ILE:HG23	1:61:A:LEU:H	19	0.46
(1,1744)	1:63:B:ALA:H	1:61:B:LEU:HG	10	0.46
(1,1744)	1:63:B:ALA:H	1:61:B:LEU:HG	13	0.46
(1,1744)	1:63:B:ALA:H	1:61:B:LEU:HG	14	0.46
(1,1743)	1:63:A:ALA:H	1:61:A:LEU:HG	13	0.46
(1,1743)	1:63:A:ALA:H	1:61:A:LEU:HG	14	0.46
(1,1712)	1:83:B:LYS:HD3	1:75:A:ILE:HG22	4	0.46
(1,1711)	1:83:A:LYS:HD3	1:75:B:ILE:HG22	4	0.46
(1,1704)	1:8:B:LEU:HG	1:45:A:ILE:HG13	18	0.46
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG12	16	0.46
(1,1636)	1:57:B:ILE:H	1:57:B:ILE:HG13	11	0.46
(1,1635)	1:57:A:ILE:H	1:57:A:ILE:HG13	11	0.46
(1,1628)	1:52:B:ALA:H	1:53:B:VAL:HG11	9	0.46
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD13	14	0.46
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD13	14	0.46
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB3	1	0.46
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB1	18	0.46
(1,1479)	1:8:A:LEU:H	1:8:A:LEU:HB3	3	0.46
(1,806)	1:80:B:ILE:HD12	1:61:B:LEU:HD22	17	0.46
(1,805)	1:80:A:ILE:HD12	1:61:A:LEU:HD22	17	0.46
(1,512)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	5	0.46
(1,511)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	5	0.46
(1,390)	1:59:B:GLN:HG3	1:55:B:ASP:HB3	20	0.46
(1,389)	1:59:A:GLN:HG3	1:55:A:ASP:HB3	13	0.46
(1,370)	1:91:B:LYS:HE2	1:90:B:HIS:HB3	14	0.46
(1,369)	1:91:A:LYS:HE2	1:90:A:HIS:HB3	14	0.46
(1,330)	1:51:B:LYS:HE2	1:58:B:PHE:HB2	9	0.46
(1,314)	1:11:B:ILE:HA	1:7:A:HIS:HB3	10	0.46
(1,310)	1:53:B:VAL:HG23	1:54:B:ILE:HA	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,310)	1:53:B:VAL:HG23	1:54:B:ILE:HA	18	0.46
(1,310)	1:53:B:VAL:HG21	1:54:B:ILE:HA	19	0.46
(1,309)	1:53:A:VAL:HG23	1:54:A:ILE:HA	10	0.46
(1,309)	1:53:A:VAL:HG23	1:54:A:ILE:HA	18	0.46
(1,309)	1:53:A:VAL:HG21	1:54:A:ILE:HA	19	0.46
(1,123)	1:36:A:LEU:HD21	1:42:A:ALA:H	13	0.46
(1,76)	1:41:B:LEU:H	1:40:B:GLU:HG2	19	0.46
(2,138)	1:75:B:ILE:H	1:61:B:LEU:HB2	2	0.45
(2,138)	1:75:B:ILE:H	1:61:B:LEU:HB2	3	0.45
(2,138)	1:75:B:ILE:H	1:61:B:LEU:HB2	16	0.45
(2,137)	1:75:A:ILE:H	1:61:A:LEU:HB2	3	0.45
(2,137)	1:75:A:ILE:H	1:61:A:LEU:HB2	4	0.45
(2,137)	1:75:A:ILE:H	1:61:A:LEU:HB2	16	0.45
(1,3801)	1:10:A:GLY:H	1:12:A:VAL:HG21	20	0.45
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG23	11	0.45
(1,3769)	1:41:A:LEU:H	1:48:A:ILE:HG23	1	0.45
(1,3726)	1:41:B:LEU:H	1:48:B:ILE:HG13	4	0.45
(1,3726)	1:41:B:LEU:H	1:48:B:ILE:HG13	5	0.45
(1,3725)	1:41:A:LEU:H	1:48:A:ILE:HG13	4	0.45
(1,3725)	1:41:A:LEU:H	1:48:A:ILE:HG13	5	0.45
(1,3710)	1:44:B:THR:H	1:45:B:ILE:HG13	4	0.45
(1,3709)	1:44:A:THR:H	1:45:A:ILE:HG13	4	0.45
(1,3695)	1:8:A:LEU:H	1:44:B:THR:HG21	8	0.45
(1,3682)	1:39:B:LYS:H	1:37:B:LEU:HB2	2	0.45
(1,3682)	1:39:B:LYS:H	1:37:B:LEU:HB2	17	0.45
(1,3681)	1:39:A:LYS:H	1:37:A:LEU:HB2	1	0.45
(1,3681)	1:39:A:LYS:H	1:37:A:LEU:HB2	2	0.45
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB3	16	0.45
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB3	16	0.45
(1,3628)	1:51:B:LYS:H	1:51:B:LYS:HG3	16	0.45
(1,3612)	1:34:B:LYS:H	1:36:B:LEU:HB3	11	0.45
(1,3611)	1:34:A:LYS:H	1:36:A:LEU:HB3	11	0.45
(1,3548)	1:76:B:SER:H	1:73:B:GLU:HB3	3	0.45
(1,3548)	1:76:B:SER:H	1:73:B:GLU:HB3	12	0.45
(1,3547)	1:76:A:SER:H	1:73:A:GLU:HB3	3	0.45
(1,3547)	1:76:A:SER:H	1:73:A:GLU:HB3	12	0.45
(1,3517)	1:10:A:GLY:H	1:9:A:GLU:HG2	19	0.45
(1,3506)	1:18:B:TYR:H	1:40:B:GLU:HG3	6	0.45
(1,3505)	1:18:A:TYR:H	1:40:A:GLU:HG3	6	0.45
(1,3235)	1:7:A:HIS:H	1:9:A:GLU:H	16	0.45
(1,3229)	1:75:A:ILE:HD12	1:78:B:VAL:HG11	14	0.45
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG23	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG23	4	0.45
(1,3078)	1:80:B:ILE:HD13	1:60:B:GLY:HA3	3	0.45
(1,3054)	1:86:B:HIS:HB3	1:12:A:VAL:HG22	3	0.45
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG13	13	0.45
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG13	13	0.45
(1,2958)	1:34:B:LYS:HB2	1:48:B:ILE:HG13	13	0.45
(1,2957)	1:34:A:LYS:HB2	1:48:A:ILE:HG13	13	0.45
(1,2940)	1:51:B:LYS:HD2	1:54:B:ILE:HD13	2	0.45
(1,2940)	1:51:B:LYS:HD2	1:54:B:ILE:HD13	6	0.45
(1,2940)	1:51:B:LYS:HD3	1:54:B:ILE:HD13	9	0.45
(1,2939)	1:51:A:LYS:HD2	1:54:A:ILE:HD13	6	0.45
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD11	8	0.45
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD11	8	0.45
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD12	18	0.45
(1,2914)	1:45:B:ILE:HG13	1:42:B:ALA:HA	17	0.45
(1,2913)	1:45:A:ILE:HG13	1:42:A:ALA:HA	17	0.45
(1,2892)	1:82:B:LEU:HG	1:78:B:VAL:HB	18	0.45
(1,2891)	1:82:A:LEU:HG	1:78:A:VAL:HB	18	0.45
(1,2868)	1:77:B:LEU:HA	1:80:B:ILE:HG12	1	0.45
(1,2867)	1:77:A:LEU:HA	1:80:A:ILE:HG12	1	0.45
(1,2867)	1:77:A:LEU:HA	1:80:A:ILE:HG12	20	0.45
(1,2860)	1:53:B:VAL:HG11	1:46:B:LYS:HG3	18	0.45
(1,2859)	1:53:A:VAL:HG11	1:46:A:LYS:HG3	18	0.45
(1,2856)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	2	0.45
(1,2856)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	4	0.45
(1,2855)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	2	0.45
(1,2855)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	4	0.45
(1,2818)	1:53:B:VAL:HG13	1:46:B:LYS:HG3	9	0.45
(1,2729)	1:75:A:ILE:HD11	1:91:B:LYS:HD3	9	0.45
(1,2680)	1:49:B:LYS:HB2	1:47:B:ASN:HB3	20	0.45
(1,2679)	1:49:A:LYS:HB2	1:47:A:ASN:HB3	20	0.45
(1,2663)	1:8:A:LEU:HD12	1:41:B:LEU:HB3	19	0.45
(1,2642)	1:33:B:LEU:HB3	1:34:B:LYS:HB2	5	0.45
(1,2641)	1:33:A:LEU:HB3	1:34:A:LYS:HB2	5	0.45
(1,2564)	1:87:B:TYR:HB3	1:83:B:LYS:HB2	7	0.45
(1,2563)	1:87:A:TYR:HB3	1:83:A:LYS:HB2	7	0.45
(1,2554)	1:79:B:ALA:HA	1:78:B:VAL:HB	8	0.45
(1,2553)	1:79:A:ALA:HA	1:78:A:VAL:HB	8	0.45
(1,2548)	1:82:B:LEU:HG	1:78:B:VAL:HB	3	0.45
(1,2547)	1:82:A:LEU:HG	1:78:A:VAL:HB	3	0.45
(1,2478)	1:55:B:ASP:HB3	1:59:B:GLN:HB2	18	0.45
(1,2477)	1:55:A:ASP:HB3	1:59:A:GLN:HB2	18	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2474)	1:32:B:GLU:HG2	1:31:B:GLY:HA3	9	0.45
(1,2354)	1:30:B:LYS:HE2	1:58:B:PHE:HB3	3	0.45
(1,2353)	1:30:A:LYS:HE2	1:58:A:PHE:HB3	3	0.45
(1,2352)	1:36:B:LEU:HB3	1:40:B:GLU:HB2	15	0.45
(1,2330)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	6	0.45
(1,2329)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	6	0.45
(1,2314)	1:54:B:ILE:HB	1:55:B:ASP:HB2	16	0.45
(1,2299)	1:53:A:VAL:HA	1:50:A:ASP:HB3	4	0.45
(1,2260)	1:72:B:GLN:HA	1:75:B:ILE:HA	4	0.45
(1,2259)	1:72:A:GLN:HA	1:75:A:ILE:HA	4	0.45
(1,2255)	1:52:A:ALA:HB1	1:50:A:ASP:HB2	17	0.45
(1,2234)	1:89:B:THR:HG21	1:83:B:LYS:HE3	3	0.45
(1,2180)	1:13:B:ASN:HB2	1:16:B:HIS:HB3	16	0.45
(1,2179)	1:13:A:ASN:HB2	1:16:A:HIS:HB3	16	0.45
(1,2164)	1:51:B:LYS:HE2	1:58:B:PHE:HB2	7	0.45
(1,2163)	1:51:A:LYS:HE2	1:58:A:PHE:HB2	9	0.45
(1,2068)	1:48:B:ILE:HA	1:38:B:THR:HB	18	0.45
(1,2067)	1:48:A:ILE:HA	1:51:A:LYS:HA	3	0.45
(1,1936)	1:91:B:LYS:HD2	1:91:B:LYS:HA	6	0.45
(1,1935)	1:91:A:LYS:HD2	1:91:A:LYS:HA	6	0.45
(1,1896)	1:12:B:VAL:HG23	1:13:B:ASN:HA	4	0.45
(1,1890)	1:49:B:LYS:HD2	1:50:B:ASP:HA	19	0.45
(1,1889)	1:49:A:LYS:HD2	1:50:A:ASP:HA	19	0.45
(1,1888)	1:51:B:LYS:HD2	1:50:B:ASP:HA	1	0.45
(1,1881)	1:46:A:LYS:HE2	1:90:A:HIS:HA	3	0.45
(1,1804)	1:85:B:ALA:HB3	1:12:A:VAL:H	3	0.45
(1,1804)	1:84:B:ALA:H	1:85:B:ALA:HB2	9	0.45
(1,1803)	1:84:A:ALA:H	1:85:A:ALA:HB2	9	0.45
(1,1743)	1:63:A:ALA:H	1:61:A:LEU:HG	4	0.45
(1,1743)	1:63:A:ALA:H	1:61:A:LEU:HG	9	0.45
(1,1743)	1:63:A:ALA:H	1:61:A:LEU:HG	10	0.45
(1,1737)	1:75:A:ILE:HG21	1:82:B:LEU:HD13	13	0.45
(1,1724)	1:80:B:ILE:HG21	1:8:A:LEU:HD11	18	0.45
(1,1696)	1:83:B:LYS:HE3	1:71:A:PHE:HB2	10	0.45
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG12	16	0.45
(1,1616)	1:9:B:GLU:H	1:44:A:THR:HG21	8	0.45
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB1	15	0.45
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB1	15	0.45
(1,1500)	1:83:B:LYS:H	1:83:B:LYS:HB3	14	0.45
(1,1499)	1:83:A:LYS:H	1:83:A:LYS:HB3	14	0.45
(1,1480)	1:8:B:LEU:H	1:8:B:LEU:HB3	4	0.45
(1,1480)	1:8:B:LEU:H	1:8:B:LEU:HB3	11	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:8:A:LEU:H	1:8:A:LEU:HB3	4	0.45
(1,1479)	1:8:A:LEU:H	1:8:A:LEU:HB3	11	0.45
(1,553)	1:75:A:ILE:HD11	1:91:B:LYS:HD3	9	0.45
(1,330)	1:51:B:LYS:HE2	1:58:B:PHE:HB2	7	0.45
(1,329)	1:51:A:LYS:HE2	1:58:A:PHE:HB2	9	0.45
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG11	16	0.45
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG11	16	0.45
(2,138)	1:75:B:ILE:H	1:61:B:LEU:HB2	4	0.44
(2,138)	1:75:B:ILE:H	1:61:B:LEU:HB2	10	0.44
(2,137)	1:75:A:ILE:H	1:61:A:LEU:HB2	10	0.44
(1,3826)	1:30:B:LYS:H	1:30:B:LYS:HG2	4	0.44
(1,3825)	1:30:A:LYS:H	1:30:A:LYS:HG2	4	0.44
(1,3802)	1:10:B:GLY:H	1:12:B:VAL:HG21	20	0.44
(1,3770)	1:41:B:LEU:H	1:48:B:ILE:HG23	1	0.44
(1,3762)	1:15:B:PHE:H	1:12:B:VAL:HG21	8	0.44
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG12	19	0.44
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG12	19	0.44
(1,3710)	1:44:B:THR:H	1:45:B:ILE:HG13	11	0.44
(1,3709)	1:44:A:THR:H	1:45:A:ILE:HG13	11	0.44
(1,3706)	1:12:B:VAL:H	1:82:A:LEU:HG	5	0.44
(1,3700)	1:84:B:ALA:H	1:44:B:THR:HG21	14	0.44
(1,3699)	1:84:A:ALA:H	1:44:A:THR:HG21	14	0.44
(1,3696)	1:8:B:LEU:H	1:44:A:THR:HG23	6	0.44
(1,3681)	1:39:A:LYS:H	1:37:A:LEU:HB2	17	0.44
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB2	14	0.44
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB2	14	0.44
(1,3628)	1:51:B:LYS:H	1:51:B:LYS:HG3	14	0.44
(1,3628)	1:51:B:LYS:H	1:51:B:LYS:HG3	20	0.44
(1,3627)	1:51:A:LYS:H	1:51:A:LYS:HG3	14	0.44
(1,3627)	1:51:A:LYS:H	1:51:A:LYS:HG3	20	0.44
(1,3622)	1:87:B:TYR:H	1:85:B:ALA:HB1	5	0.44
(1,3621)	1:87:A:TYR:H	1:85:A:ALA:HB1	5	0.44
(1,3612)	1:34:B:LYS:H	1:36:B:LEU:HB3	5	0.44
(1,3612)	1:34:B:LYS:H	1:36:B:LEU:HB3	16	0.44
(1,3611)	1:34:A:LYS:H	1:36:A:LEU:HB3	5	0.44
(1,3611)	1:34:A:LYS:H	1:36:A:LEU:HB3	16	0.44
(1,3607)	1:43:A:ASN:H	1:49:A:LYS:HD3	14	0.44
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG2	9	0.44
(1,3460)	1:57:B:ILE:H	1:55:B:ASP:HB3	18	0.44
(1,3452)	1:72:B:GLN:H	1:83:A:LYS:HE2	16	0.44
(1,3418)	1:10:B:GLY:H	1:7:B:HIS:HB2	19	0.44
(1,3417)	1:10:A:GLY:H	1:7:A:HIS:HB2	19	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3264)	1:12:B:VAL:H	1:10:B:GLY:H	7	0.44
(1,3263)	1:12:A:VAL:H	1:10:A:GLY:H	7	0.44
(1,3236)	1:7:B:HIS:H	1:9:B:GLU:H	16	0.44
(1,3230)	1:75:B:ILE:HD12	1:78:A:VAL:HG11	14	0.44
(1,3120)	1:82:B:LEU:HA	1:12:A:VAL:HG22	16	0.44
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG22	6	0.44
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG23	8	0.44
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG22	6	0.44
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG23	8	0.44
(1,3077)	1:80:A:ILE:HD13	1:60:A:GLY:HA3	3	0.44
(1,3074)	1:59:B:GLN:HA	1:61:B:LEU:HD12	5	0.44
(1,3073)	1:59:A:GLN:HA	1:61:A:LEU:HD12	5	0.44
(1,3052)	1:40:B:GLU:HG2	1:37:B:LEU:HD23	14	0.44
(1,3051)	1:40:A:GLU:HG2	1:37:A:LEU:HD23	14	0.44
(1,3046)	1:37:B:LEU:HD11	1:38:B:THR:HA	11	0.44
(1,3045)	1:37:A:LEU:HD11	1:38:A:THR:HA	11	0.44
(1,3025)	1:30:A:LYS:HD2	1:51:A:LYS:HB2	19	0.44
(1,2952)	1:82:B:LEU:HG	1:83:B:LYS:HA	9	0.44
(1,2951)	1:82:A:LEU:HG	1:83:A:LYS:HA	9	0.44
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD12	18	0.44
(1,2892)	1:82:B:LEU:HG	1:78:B:VAL:HB	6	0.44
(1,2892)	1:82:B:LEU:HG	1:78:B:VAL:HB	12	0.44
(1,2891)	1:82:A:LEU:HG	1:78:A:VAL:HB	6	0.44
(1,2891)	1:82:A:LEU:HG	1:78:A:VAL:HB	12	0.44
(1,2884)	1:83:B:LYS:HG2	1:82:B:LEU:HB2	18	0.44
(1,2868)	1:77:B:LEU:HA	1:80:B:ILE:HG12	20	0.44
(1,2856)	1:51:B:LYS:HG2	1:51:B:LYS:HD3	9	0.44
(1,2856)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	18	0.44
(1,2855)	1:51:A:LYS:HG2	1:51:A:LYS:HD3	9	0.44
(1,2855)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	18	0.44
(1,2844)	1:42:B:ALA:HB2	1:43:B:ASN:HB3	10	0.44
(1,2843)	1:42:A:ALA:HB2	1:43:A:ASN:HB3	10	0.44
(1,2832)	1:58:B:PHE:HA	1:77:B:LEU:HB2	20	0.44
(1,2818)	1:53:B:VAL:HG13	1:46:B:LYS:HG3	12	0.44
(1,2817)	1:53:A:VAL:HG13	1:46:A:LYS:HG3	12	0.44
(1,2812)	1:37:B:LEU:HD22	1:33:B:LEU:HG	6	0.44
(1,2812)	1:37:B:LEU:HD23	1:33:B:LEU:HG	17	0.44
(1,2811)	1:37:A:LEU:HD22	1:33:A:LEU:HG	6	0.44
(1,2811)	1:37:A:LEU:HD23	1:33:A:LEU:HG	17	0.44
(1,2741)	1:75:A:ILE:HG13	1:83:B:LYS:HD2	20	0.44
(1,2730)	1:75:B:ILE:HD11	1:91:A:LYS:HD3	9	0.44
(1,2724)	1:84:B:ALA:HB3	1:91:B:LYS:HB2	17	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2723)	1:84:A:ALA:HB3	1:91:A:LYS:HB2	17	0.44
(1,2706)	1:45:B:ILE:HB	1:91:B:LYS:HD3	14	0.44
(1,2705)	1:45:A:ILE:HB	1:91:A:LYS:HD3	14	0.44
(1,2682)	1:83:B:LYS:HB2	1:91:B:LYS:HD3	13	0.44
(1,2681)	1:83:A:LYS:HB2	1:91:A:LYS:HD3	13	0.44
(1,2664)	1:8:B:LEU:HD12	1:41:A:LEU:HB3	19	0.44
(1,2642)	1:33:B:LEU:HB3	1:34:B:LYS:HB2	11	0.44
(1,2641)	1:33:A:LEU:HB3	1:34:A:LYS:HB2	11	0.44
(1,2581)	1:80:A:ILE:HB	1:81:A:ALA:HA	12	0.44
(1,2562)	1:91:B:LYS:HE3	1:83:B:LYS:HB3	12	0.44
(1,2561)	1:91:A:LYS:HE3	1:83:A:LYS:HB3	12	0.44
(1,2553)	1:79:A:ALA:HA	1:78:A:VAL:HB	15	0.44
(1,2519)	1:7:A:HIS:HB3	1:6:A:GLU:HB3	1	0.44
(1,2496)	1:32:B:GLU:HG2	1:35:B:GLN:HB2	5	0.44
(1,2495)	1:32:A:GLU:HG2	1:35:A:GLN:HB2	5	0.44
(1,2478)	1:55:B:ASP:HB3	1:56:B:GLU:HB2	20	0.44
(1,2477)	1:55:A:ASP:HB3	1:56:A:GLU:HB2	20	0.44
(1,2474)	1:32:B:GLU:HG3	1:31:B:GLY:HA3	6	0.44
(1,2473)	1:32:A:GLU:HG3	1:31:A:GLY:HA3	6	0.44
(1,2336)	1:30:B:LYS:HE2	1:58:B:PHE:HB3	3	0.44
(1,2335)	1:30:A:LYS:HE2	1:58:A:PHE:HB3	3	0.44
(1,2316)	1:32:B:GLU:HG2	1:35:B:GLN:HB2	5	0.44
(1,2315)	1:32:A:GLU:HG2	1:35:A:GLN:HB2	5	0.44
(1,2313)	1:54:A:ILE:HB	1:55:A:ASP:HB2	16	0.44
(1,2237)	1:50:A:ASP:HB2	1:53:A:VAL:HA	17	0.44
(1,2233)	1:89:A:THR:HG21	1:83:A:LYS:HE3	3	0.44
(1,2192)	1:46:B:LYS:HE3	1:90:B:HIS:HB2	7	0.44
(1,2191)	1:46:A:LYS:HE3	1:90:A:HIS:HB2	7	0.44
(1,2163)	1:51:A:LYS:HE2	1:58:A:PHE:HB2	7	0.44
(1,2146)	1:79:B:ALA:HB2	1:80:B:ILE:HA	9	0.44
(1,2145)	1:79:A:ALA:HB2	1:80:A:ILE:HA	9	0.44
(1,2068)	1:48:B:ILE:HA	1:51:B:LYS:HA	10	0.44
(1,2067)	1:48:A:ILE:HA	1:51:A:LYS:HA	10	0.44
(1,2067)	1:48:A:ILE:HA	1:38:A:THR:HB	18	0.44
(1,1896)	1:12:B:VAL:HG22	1:13:B:ASN:HA	3	0.44
(1,1896)	1:12:B:VAL:HG21	1:13:B:ASN:HA	7	0.44
(1,1895)	1:12:A:VAL:HG22	1:13:A:ASN:HA	3	0.44
(1,1895)	1:12:A:VAL:HG23	1:13:A:ASN:HA	4	0.44
(1,1895)	1:12:A:VAL:HG21	1:13:A:ASN:HA	7	0.44
(1,1890)	1:49:B:LYS:HD2	1:50:B:ASP:HA	20	0.44
(1,1889)	1:49:A:LYS:HD2	1:50:A:ASP:HA	15	0.44
(1,1889)	1:49:A:LYS:HD2	1:50:A:ASP:HA	20	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1888)	1:49:B:LYS:HD2	1:50:B:ASP:HA	20	0.44
(1,1887)	1:51:A:LYS:HD2	1:50:A:ASP:HA	1	0.44
(1,1887)	1:49:A:LYS:HD2	1:50:A:ASP:HA	15	0.44
(1,1887)	1:49:A:LYS:HD2	1:50:A:ASP:HA	20	0.44
(1,1884)	1:51:B:LYS:HB3	1:50:B:ASP:HA	16	0.44
(1,1883)	1:51:A:LYS:HB3	1:50:A:ASP:HA	16	0.44
(1,1854)	1:54:B:ILE:H	1:55:B:ASP:HB2	1	0.44
(1,1854)	1:54:B:ILE:H	1:55:B:ASP:HB2	4	0.44
(1,1854)	1:54:B:ILE:H	1:55:B:ASP:HB2	13	0.44
(1,1853)	1:54:A:ILE:H	1:55:A:ASP:HB2	1	0.44
(1,1853)	1:54:A:ILE:H	1:55:A:ASP:HB2	4	0.44
(1,1806)	1:57:B:ILE:HG21	1:61:B:LEU:H	5	0.44
(1,1805)	1:57:A:ILE:HG21	1:61:A:LEU:H	5	0.44
(1,1804)	1:84:B:ALA:H	1:85:B:ALA:HB1	20	0.44
(1,1803)	1:85:A:ALA:HB3	1:12:B:VAL:H	3	0.44
(1,1744)	1:63:B:ALA:H	1:61:B:LEU:HG	4	0.44
(1,1744)	1:63:B:ALA:H	1:61:B:LEU:HG	9	0.44
(1,1744)	1:63:B:ALA:H	1:61:B:LEU:HG	12	0.44
(1,1743)	1:63:A:ALA:H	1:61:A:LEU:HG	12	0.44
(1,1738)	1:75:B:ILE:HG21	1:82:A:LEU:HD12	1	0.44
(1,1738)	1:75:B:ILE:HG21	1:82:A:LEU:HD13	13	0.44
(1,1737)	1:75:A:ILE:HG21	1:82:B:LEU:HD12	1	0.44
(1,1723)	1:80:A:ILE:HG21	1:8:B:LEU:HD11	18	0.44
(1,1688)	1:12:B:VAL:HG21	1:82:A:LEU:HA	2	0.44
(1,1688)	1:12:B:VAL:HG23	1:82:A:LEU:HA	5	0.44
(1,1688)	1:12:B:VAL:HG23	1:86:A:HIS:HA	11	0.44
(1,1687)	1:12:A:VAL:HG21	1:82:B:LEU:HA	2	0.44
(1,1687)	1:12:A:VAL:HG23	1:86:B:HIS:HA	11	0.44
(1,1682)	1:9:B:GLU:HB2	1:85:A:ALA:HA	5	0.44
(1,1636)	1:57:B:ILE:H	1:57:B:ILE:HG12	4	0.44
(1,1635)	1:57:A:ILE:H	1:57:A:ILE:HG12	4	0.44
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG23	19	0.44
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG23	19	0.44
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB3	11	0.44
(1,1480)	1:8:B:LEU:H	1:8:B:LEU:HB3	6	0.44
(1,1480)	1:8:B:LEU:H	1:8:B:LEU:HB3	7	0.44
(1,1480)	1:8:B:LEU:H	1:8:B:LEU:HB3	8	0.44
(1,1480)	1:8:B:LEU:H	1:8:B:LEU:HB3	9	0.44
(1,1480)	1:8:B:LEU:H	1:8:B:LEU:HB3	10	0.44
(1,1480)	1:8:B:LEU:H	1:8:B:LEU:HB3	13	0.44
(1,1480)	1:8:B:LEU:H	1:8:B:LEU:HB3	14	0.44
(1,1480)	1:8:B:LEU:H	1:8:B:LEU:HB3	18	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:8:A:LEU:H	1:8:A:LEU:HB3	6	0.44
(1,1479)	1:8:A:LEU:H	1:8:A:LEU:HB3	7	0.44
(1,1479)	1:8:A:LEU:H	1:8:A:LEU:HB3	8	0.44
(1,1479)	1:8:A:LEU:H	1:8:A:LEU:HB3	9	0.44
(1,1479)	1:8:A:LEU:H	1:8:A:LEU:HB3	10	0.44
(1,1479)	1:8:A:LEU:H	1:8:A:LEU:HB3	13	0.44
(1,1479)	1:8:A:LEU:H	1:8:A:LEU:HB3	14	0.44
(1,1479)	1:8:A:LEU:H	1:8:A:LEU:HB3	18	0.44
(1,700)	1:37:B:LEU:HD22	1:48:B:ILE:HG13	10	0.44
(1,699)	1:37:A:LEU:HD22	1:48:A:ILE:HG13	10	0.44
(1,610)	1:63:B:ALA:HB2	1:62:B:ASP:HB3	2	0.44
(1,609)	1:63:A:ALA:HB2	1:62:A:ASP:HB3	2	0.44
(1,554)	1:75:B:ILE:HD11	1:91:A:LYS:HD3	9	0.44
(1,470)	1:36:B:LEU:HD11	1:40:B:GLU:HG3	15	0.44
(1,469)	1:36:A:LEU:HD13	1:40:A:GLU:HG3	20	0.44
(1,466)	1:36:B:LEU:HD22	1:40:B:GLU:HG3	8	0.44
(1,423)	1:39:A:LYS:HD3	1:35:A:GLN:HB3	12	0.44
(1,390)	1:59:B:GLN:HG3	1:55:B:ASP:HB3	13	0.44
(1,329)	1:51:A:LYS:HE2	1:58:A:PHE:HB2	7	0.44
(1,310)	1:53:B:VAL:HG21	1:54:B:ILE:HA	2	0.44
(1,310)	1:53:B:VAL:HG23	1:54:B:ILE:HA	8	0.44
(1,310)	1:53:B:VAL:HG21	1:54:B:ILE:HA	15	0.44
(1,309)	1:53:A:VAL:HG21	1:54:A:ILE:HA	2	0.44
(1,309)	1:53:A:VAL:HG23	1:54:A:ILE:HA	8	0.44
(1,309)	1:53:A:VAL:HG21	1:54:A:ILE:HA	15	0.44
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG11	18	0.44
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG11	18	0.44
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD12	20	0.44
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD12	20	0.44
(2,56)	1:70:B:ASP:HB3	1:74:B:PHE:HB2	12	0.43
(2,55)	1:70:A:ASP:HB3	1:74:A:PHE:HB2	12	0.43
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG21	2	0.43
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG23	11	0.43
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG21	20	0.43
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG21	2	0.43
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG23	11	0.43
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG22	4	0.43
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG22	4	0.43
(1,3770)	1:41:B:LEU:H	1:48:B:ILE:HG23	13	0.43
(1,3761)	1:15:A:PHE:H	1:12:A:VAL:HG21	8	0.43
(1,3738)	1:11:B:ILE:H	1:12:B:VAL:HG13	18	0.43
(1,3737)	1:11:A:ILE:H	1:12:A:VAL:HG13	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3710)	1:44:B:THR:H	1:45:B:ILE:HG13	20	0.43
(1,3709)	1:44:A:THR:H	1:45:A:ILE:HG13	20	0.43
(1,3705)	1:12:A:VAL:H	1:82:B:LEU:HG	5	0.43
(1,3696)	1:8:B:LEU:H	1:44:A:THR:HG21	2	0.43
(1,3695)	1:8:A:LEU:H	1:44:B:THR:HG21	2	0.43
(1,3695)	1:8:A:LEU:H	1:44:B:THR:HG23	6	0.43
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB3	9	0.43
(1,3614)	1:52:B:ALA:H	1:51:B:LYS:HD2	8	0.43
(1,3608)	1:43:B:ASN:H	1:49:B:LYS:HD3	14	0.43
(1,3596)	1:85:B:ALA:H	1:91:B:LYS:HB2	9	0.43
(1,3595)	1:85:A:ALA:H	1:91:A:LYS:HB2	9	0.43
(1,3590)	1:90:B:HIS:H	1:46:B:LYS:HB2	1	0.43
(1,3548)	1:76:B:SER:H	1:73:B:GLU:HB3	1	0.43
(1,3547)	1:76:A:SER:H	1:73:A:GLU:HB3	1	0.43
(1,3505)	1:18:A:TYR:H	1:40:A:GLU:HG3	8	0.43
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG2	9	0.43
(1,3459)	1:57:A:ILE:H	1:55:A:ASP:HB3	18	0.43
(1,3236)	1:12:B:VAL:H	1:14:B:ILE:H	14	0.43
(1,3220)	1:30:B:LYS:HG3	1:62:B:ASP:HB2	3	0.43
(1,3219)	1:30:A:LYS:HG3	1:62:A:ASP:HB2	3	0.43
(1,3181)	1:75:A:ILE:HD13	1:72:A:GLN:HG3	18	0.43
(1,3120)	1:82:B:LEU:HA	1:12:A:VAL:HG23	9	0.43
(1,3120)	1:82:B:LEU:HA	1:8:A:LEU:HD23	11	0.43
(1,3119)	1:82:A:LEU:HA	1:12:B:VAL:HG23	9	0.43
(1,3076)	1:85:B:ALA:HA	1:12:A:VAL:HG22	7	0.43
(1,3051)	1:40:A:GLU:HG2	1:37:A:LEU:HD22	20	0.43
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG11	7	0.43
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG11	7	0.43
(1,3026)	1:30:B:LYS:HD2	1:51:B:LYS:HB2	19	0.43
(1,2984)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	3	0.43
(1,2984)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	17	0.43
(1,2983)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	3	0.43
(1,2983)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	17	0.43
(1,2884)	1:83:B:LYS:HG2	1:82:B:LEU:HB2	16	0.43
(1,2883)	1:83:A:LYS:HG2	1:82:A:LEU:HB2	16	0.43
(1,2883)	1:83:A:LYS:HG2	1:82:A:LEU:HB2	18	0.43
(1,2868)	1:77:B:LEU:HA	1:80:B:ILE:HG12	6	0.43
(1,2868)	1:77:B:LEU:HA	1:80:B:ILE:HG12	16	0.43
(1,2867)	1:77:A:LEU:HA	1:80:A:ILE:HG12	6	0.43
(1,2867)	1:77:A:LEU:HA	1:80:A:ILE:HG12	16	0.43
(1,2860)	1:53:B:VAL:HG11	1:46:B:LYS:HG3	10	0.43
(1,2859)	1:53:A:VAL:HG11	1:46:A:LYS:HG3	10	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2831)	1:58:A:PHE:HA	1:77:A:LEU:HB2	20	0.43
(1,2780)	1:42:B:ALA:HB3	1:38:B:THR:HA	13	0.43
(1,2779)	1:42:A:ALA:HB3	1:38:A:THR:HA	13	0.43
(1,2680)	1:49:B:LYS:HB2	1:47:B:ASN:HB3	14	0.43
(1,2641)	1:33:A:LEU:HB3	1:34:A:LYS:HB2	14	0.43
(1,2595)	1:85:A:ALA:HB1	1:9:B:GLU:HB3	12	0.43
(1,2582)	1:80:B:ILE:HB	1:81:B:ALA:HA	12	0.43
(1,2554)	1:79:B:ALA:HA	1:78:B:VAL:HB	15	0.43
(1,2520)	1:7:B:HIS:HB3	1:6:B:GLU:HB3	1	0.43
(1,2506)	1:61:B:LEU:HG	1:60:B:GLY:HA3	11	0.43
(1,2505)	1:61:A:LEU:HG	1:60:A:GLY:HA3	11	0.43
(1,2474)	1:32:B:GLU:HG2	1:31:B:GLY:HA3	12	0.43
(1,2473)	1:32:A:GLU:HG2	1:31:A:GLY:HA3	12	0.43
(1,2473)	1:32:A:GLU:HG3	1:31:A:GLY:HA3	18	0.43
(1,2352)	1:36:B:LEU:HB3	1:40:B:GLU:HB2	3	0.43
(1,2351)	1:36:A:LEU:HB3	1:40:A:GLU:HB2	3	0.43
(1,2302)	1:51:B:LYS:HE2	1:55:B:ASP:HB2	13	0.43
(1,2300)	1:53:B:VAL:HA	1:50:B:ASP:HB3	4	0.43
(1,2300)	1:53:B:VAL:HA	1:50:B:ASP:HB3	6	0.43
(1,2300)	1:53:B:VAL:HA	1:50:B:ASP:HB3	14	0.43
(1,2299)	1:53:A:VAL:HA	1:50:A:ASP:HB3	14	0.43
(1,2270)	1:83:B:LYS:HA	1:83:B:LYS:HE2	4	0.43
(1,2270)	1:86:B:HIS:HB2	1:83:B:LYS:HA	5	0.43
(1,2269)	1:83:A:LYS:HA	1:83:A:LYS:HE2	4	0.43
(1,2267)	1:75:A:ILE:HD12	1:83:B:LYS:HE2	16	0.43
(1,2238)	1:50:B:ASP:HB2	1:53:B:VAL:HA	17	0.43
(1,2202)	1:8:B:LEU:HD13	1:78:A:VAL:HA	1	0.43
(1,2201)	1:8:A:LEU:HD13	1:78:B:VAL:HA	1	0.43
(1,2170)	1:86:B:HIS:HA	1:88:B:HIS:HB3	13	0.43
(1,2169)	1:86:A:HIS:HA	1:88:A:HIS:HB3	13	0.43
(1,2166)	1:12:B:VAL:HG23	1:16:B:HIS:HB2	6	0.43
(1,2165)	1:12:A:VAL:HG23	1:16:A:HIS:HB2	6	0.43
(1,2146)	1:79:B:ALA:HB1	1:80:B:ILE:HA	3	0.43
(1,2145)	1:79:A:ALA:HB1	1:80:A:ILE:HA	3	0.43
(1,2058)	1:73:B:GLU:HB2	1:74:B:PHE:HA	17	0.43
(1,2057)	1:73:A:GLU:HB2	1:74:A:PHE:HA	17	0.43
(1,1980)	1:75:B:ILE:HB	1:73:B:GLU:HA	13	0.43
(1,1979)	1:75:A:ILE:HB	1:73:A:GLU:HA	13	0.43
(1,1896)	1:12:B:VAL:HG23	1:13:B:ASN:HA	12	0.43
(1,1895)	1:12:A:VAL:HG23	1:13:A:ASN:HA	12	0.43
(1,1890)	1:49:B:LYS:HD2	1:50:B:ASP:HA	5	0.43
(1,1890)	1:49:B:LYS:HD2	1:50:B:ASP:HA	15	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1889)	1:49:A:LYS:HD2	1:50:A:ASP:HA	5	0.43
(1,1889)	1:49:A:LYS:HD2	1:50:A:ASP:HA	12	0.43
(1,1888)	1:49:B:LYS:HD2	1:50:B:ASP:HA	5	0.43
(1,1888)	1:49:B:LYS:HD2	1:50:B:ASP:HA	15	0.43
(1,1887)	1:49:A:LYS:HD2	1:50:A:ASP:HA	5	0.43
(1,1887)	1:49:A:LYS:HD2	1:50:A:ASP:HA	12	0.43
(1,1854)	1:54:B:ILE:H	1:55:B:ASP:HB2	2	0.43
(1,1853)	1:54:A:ILE:H	1:55:A:ASP:HB2	13	0.43
(1,1806)	1:57:B:ILE:HG23	1:61:B:LEU:H	16	0.43
(1,1805)	1:57:A:ILE:HG23	1:61:A:LEU:H	16	0.43
(1,1803)	1:84:A:ALA:H	1:85:A:ALA:HB1	20	0.43
(1,1750)	1:80:B:ILE:HG22	1:79:B:ALA:H	8	0.43
(1,1750)	1:80:B:ILE:HG23	1:79:B:ALA:H	13	0.43
(1,1749)	1:80:A:ILE:HG23	1:79:A:ALA:H	13	0.43
(1,1748)	1:91:B:LYS:H	1:84:B:ALA:HB2	10	0.43
(1,1747)	1:91:A:LYS:H	1:84:A:ALA:HB2	10	0.43
(1,1744)	1:63:B:ALA:H	1:61:B:LEU:HG	3	0.43
(1,1743)	1:63:A:ALA:H	1:61:A:LEU:HG	3	0.43
(1,1687)	1:12:A:VAL:HG23	1:82:B:LEU:HA	5	0.43
(1,1681)	1:9:A:GLU:HB2	1:85:B:ALA:HA	5	0.43
(1,1615)	1:9:A:GLU:H	1:44:B:THR:HG21	8	0.43
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD12	8	0.43
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD12	8	0.43
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB3	11	0.43
(1,1540)	1:84:B:ALA:H	1:91:B:LYS:HD3	2	0.43
(1,1539)	1:84:A:ALA:H	1:91:A:LYS:HD3	2	0.43
(1,1480)	1:8:B:LEU:H	1:8:B:LEU:HB3	2	0.43
(1,1479)	1:8:A:LEU:H	1:8:A:LEU:HB3	2	0.43
(1,806)	1:80:B:ILE:HD13	1:61:B:LEU:HD22	10	0.43
(1,805)	1:80:A:ILE:HD13	1:61:A:LEU:HD22	10	0.43
(1,712)	1:36:B:LEU:HG	1:33:B:LEU:HD13	8	0.43
(1,610)	1:63:B:ALA:HB1	1:62:B:ASP:HB3	9	0.43
(1,609)	1:63:A:ALA:HB1	1:62:A:ASP:HB3	9	0.43
(1,470)	1:36:B:LEU:HD13	1:40:B:GLU:HG2	7	0.43
(1,470)	1:36:B:LEU:HD13	1:40:B:GLU:HG3	20	0.43
(1,469)	1:36:A:LEU:HD13	1:40:A:GLU:HG2	7	0.43
(1,469)	1:36:A:LEU:HD11	1:40:A:GLU:HG3	15	0.43
(1,466)	1:36:B:LEU:HD23	1:40:B:GLU:HG3	9	0.43
(1,465)	1:36:A:LEU:HD22	1:40:A:GLU:HG3	8	0.43
(1,465)	1:36:A:LEU:HD23	1:40:A:GLU:HG3	9	0.43
(1,424)	1:39:B:LYS:HD3	1:35:B:GLN:HB3	7	0.43
(1,424)	1:39:B:LYS:HD3	1:35:B:GLN:HB3	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:39:A:LYS:HD3	1:35:A:GLN:HB3	7	0.43
(1,396)	1:50:B:ASP:HB3	1:47:B:ASN:HB2	18	0.43
(1,395)	1:50:A:ASP:HB3	1:47:A:ASN:HB2	18	0.43
(1,310)	1:53:B:VAL:HG22	1:54:B:ILE:HA	11	0.43
(1,309)	1:53:A:VAL:HG22	1:54:A:ILE:HA	11	0.43
(1,309)	1:53:A:VAL:HG22	1:54:A:ILE:HA	20	0.43
(1,208)	1:32:B:GLU:HG2	1:32:B:GLU:HA	9	0.43
(1,207)	1:32:A:GLU:HG2	1:32:A:GLU:HA	9	0.43
(1,110)	1:78:B:VAL:H	1:79:B:ALA:HB3	9	0.43
(1,109)	1:78:A:VAL:H	1:79:A:ALA:HB3	9	0.43
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD12	15	0.43
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD12	15	0.43
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG22	12	0.42
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG23	6	0.42
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG22	13	0.42
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG23	6	0.42
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG21	20	0.42
(1,3769)	1:54:A:ILE:H	1:48:A:ILE:HD11	5	0.42
(1,3769)	1:41:A:LEU:H	1:48:A:ILE:HG23	13	0.42
(1,3738)	1:11:B:ILE:H	1:12:B:VAL:HG13	9	0.42
(1,3737)	1:11:A:ILE:H	1:12:A:VAL:HG13	9	0.42
(1,3726)	1:41:B:LEU:H	1:48:B:ILE:HG13	15	0.42
(1,3725)	1:41:A:LEU:H	1:48:A:ILE:HG13	15	0.42
(1,3716)	1:15:B:PHE:H	1:36:B:LEU:HG	13	0.42
(1,3715)	1:15:A:PHE:H	1:36:A:LEU:HG	13	0.42
(1,3706)	1:12:B:VAL:H	1:82:A:LEU:HG	10	0.42
(1,3668)	1:40:B:GLU:H	1:37:B:LEU:HB2	15	0.42
(1,3667)	1:40:A:GLU:H	1:37:A:LEU:HB2	15	0.42
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB3	9	0.42
(1,3620)	1:79:B:ALA:H	1:82:B:LEU:HB2	2	0.42
(1,3619)	1:79:A:ALA:H	1:82:A:LEU:HB2	2	0.42
(1,3614)	1:52:B:ALA:H	1:51:B:LYS:HD2	4	0.42
(1,3613)	1:52:A:ALA:H	1:51:A:LYS:HD2	3	0.42
(1,3613)	1:52:A:ALA:H	1:51:A:LYS:HD2	4	0.42
(1,3613)	1:52:A:ALA:H	1:51:A:LYS:HD2	8	0.42
(1,3613)	1:52:A:ALA:H	1:51:A:LYS:HD2	11	0.42
(1,3612)	1:34:B:LYS:H	1:36:B:LEU:HB3	9	0.42
(1,3611)	1:34:A:LYS:H	1:36:A:LEU:HB3	9	0.42
(1,3589)	1:90:A:HIS:H	1:46:A:LYS:HB2	1	0.42
(1,3548)	1:76:B:SER:H	1:73:B:GLU:HB3	5	0.42
(1,3547)	1:76:A:SER:H	1:73:A:GLU:HB3	5	0.42
(1,3506)	1:18:B:TYR:H	1:40:B:GLU:HG3	8	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG2	14	0.42
(1,3477)	1:70:A:ASP:H	1:72:A:GLN:HG2	16	0.42
(1,3418)	1:10:B:GLY:H	1:7:B:HIS:HB2	9	0.42
(1,3417)	1:10:A:GLY:H	1:7:B:HIS:HB3	2	0.42
(1,3417)	1:10:A:GLY:H	1:7:A:HIS:HB2	9	0.42
(1,3264)	1:7:B:HIS:H	1:10:B:GLY:H	16	0.42
(1,3263)	1:7:A:HIS:H	1:10:A:GLY:H	16	0.42
(1,3236)	1:7:B:HIS:H	1:9:B:GLU:H	18	0.42
(1,3235)	1:12:A:VAL:H	1:14:A:ILE:H	14	0.42
(1,3235)	1:7:A:HIS:H	1:9:A:GLU:H	18	0.42
(1,3182)	1:75:B:ILE:HD13	1:72:B:GLN:HG3	18	0.42
(1,3119)	1:82:A:LEU:HA	1:8:B:LEU:HD23	11	0.42
(1,3119)	1:82:A:LEU:HA	1:12:B:VAL:HG22	16	0.42
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG23	19	0.42
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG23	19	0.42
(1,3052)	1:40:B:GLU:HG2	1:37:B:LEU:HD22	20	0.42
(1,3046)	1:37:B:LEU:HD11	1:38:B:THR:HA	10	0.42
(1,3045)	1:37:A:LEU:HD11	1:38:A:THR:HA	10	0.42
(1,2940)	1:51:B:LYS:HD3	1:54:B:ILE:HD13	7	0.42
(1,2939)	1:51:A:LYS:HD3	1:54:A:ILE:HD13	7	0.42
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD13	12	0.42
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD13	12	0.42
(1,2891)	1:82:A:LEU:HG	1:78:A:VAL:HB	11	0.42
(1,2868)	1:77:B:LEU:HA	1:80:B:ILE:HG12	7	0.42
(1,2868)	1:77:B:LEU:HA	1:80:B:ILE:HG12	19	0.42
(1,2867)	1:77:A:LEU:HA	1:80:A:ILE:HG12	7	0.42
(1,2867)	1:77:A:LEU:HA	1:80:A:ILE:HG12	19	0.42
(1,2812)	1:37:B:LEU:HD22	1:33:B:LEU:HG	18	0.42
(1,2811)	1:37:A:LEU:HD22	1:33:A:LEU:HG	18	0.42
(1,2742)	1:75:B:ILE:HG13	1:83:A:LYS:HD2	20	0.42
(1,2679)	1:49:A:LYS:HB2	1:47:A:ASN:HB3	14	0.42
(1,2642)	1:33:B:LEU:HB3	1:34:B:LYS:HB2	14	0.42
(1,2596)	1:85:B:ALA:HB1	1:9:A:GLU:HB3	12	0.42
(1,2548)	1:82:B:LEU:HG	1:78:A:VAL:HB	9	0.42
(1,2520)	1:7:B:HIS:HB3	1:6:B:GLU:HB3	5	0.42
(1,2506)	1:61:B:LEU:HG	1:60:B:GLY:HA3	20	0.42
(1,2496)	1:32:B:GLU:HG2	1:35:B:GLN:HB2	8	0.42
(1,2495)	1:32:A:GLU:HG2	1:35:A:GLN:HB2	8	0.42
(1,2480)	1:62:B:ASP:HB3	1:59:B:GLN:HB3	8	0.42
(1,2479)	1:62:A:ASP:HB3	1:59:A:GLN:HB3	8	0.42
(1,2478)	1:55:B:ASP:HB3	1:56:B:GLU:HB2	10	0.42
(1,2478)	1:55:B:ASP:HB3	1:56:B:GLU:HB2	12	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2477)	1:55:A:ASP:HB3	1:56:A:GLU:HB2	10	0.42
(1,2477)	1:55:A:ASP:HB3	1:56:A:GLU:HB2	12	0.42
(1,2474)	1:32:B:GLU:HG2	1:31:B:GLY:HA3	17	0.42
(1,2474)	1:32:B:GLU:HG3	1:31:B:GLY:HA3	18	0.42
(1,2419)	1:67:A:GLU:HG2	1:59:A:GLN:HA	15	0.42
(1,2367)	1:62:A:ASP:HB2	1:67:A:GLU:HB2	11	0.42
(1,2316)	1:32:B:GLU:HG2	1:35:B:GLN:HB2	8	0.42
(1,2315)	1:32:A:GLU:HG2	1:35:A:GLN:HB2	8	0.42
(1,2301)	1:51:A:LYS:HE2	1:55:A:ASP:HB2	13	0.42
(1,2299)	1:53:A:VAL:HA	1:50:A:ASP:HB3	6	0.42
(1,2296)	1:59:B:GLN:HG2	1:55:B:ASP:HB3	1	0.42
(1,2296)	1:59:B:GLN:HG2	1:55:B:ASP:HB3	2	0.42
(1,2296)	1:59:B:GLN:HG3	1:55:B:ASP:HB3	4	0.42
(1,2295)	1:59:A:GLN:HG2	1:55:A:ASP:HB3	1	0.42
(1,2295)	1:59:A:GLN:HG3	1:55:A:ASP:HB3	4	0.42
(1,2269)	1:86:A:HIS:HB2	1:83:A:LYS:HA	5	0.42
(1,2268)	1:75:B:ILE:HD12	1:83:A:LYS:HE2	16	0.42
(1,2255)	1:52:A:ALA:HB2	1:50:A:ASP:HB2	19	0.42
(1,2240)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	12	0.42
(1,2239)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	12	0.42
(1,2210)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	12	0.42
(1,2209)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	12	0.42
(1,2198)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	10	0.42
(1,2150)	1:67:B:GLU:HA	1:30:B:LYS:HA	14	0.42
(1,2149)	1:67:A:GLU:HA	1:30:A:LYS:HA	14	0.42
(1,2076)	1:79:B:ALA:HA	1:79:A:ALA:HA	2	0.42
(1,2076)	1:79:B:ALA:HA	1:79:A:ALA:HA	18	0.42
(1,2075)	1:79:A:ALA:HA	1:79:B:ALA:HA	2	0.42
(1,2075)	1:79:A:ALA:HA	1:79:B:ALA:HA	18	0.42
(1,2074)	1:79:B:ALA:HA	1:79:A:ALA:HA	2	0.42
(1,2074)	1:79:B:ALA:HA	1:79:A:ALA:HA	18	0.42
(1,2073)	1:79:A:ALA:HA	1:79:B:ALA:HA	2	0.42
(1,2073)	1:79:A:ALA:HA	1:79:B:ALA:HA	18	0.42
(1,1936)	1:83:B:LYS:HD3	1:91:B:LYS:HA	5	0.42
(1,1896)	1:12:B:VAL:HG23	1:13:B:ASN:HA	18	0.42
(1,1895)	1:12:A:VAL:HG23	1:13:A:ASN:HA	18	0.42
(1,1890)	1:49:B:LYS:HD2	1:50:B:ASP:HA	3	0.42
(1,1890)	1:49:B:LYS:HD2	1:50:B:ASP:HA	10	0.42
(1,1890)	1:49:B:LYS:HD2	1:50:B:ASP:HA	12	0.42
(1,1889)	1:49:A:LYS:HD2	1:50:A:ASP:HA	3	0.42
(1,1889)	1:49:A:LYS:HD2	1:50:A:ASP:HA	7	0.42
(1,1889)	1:49:A:LYS:HD2	1:50:A:ASP:HA	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1888)	1:49:B:LYS:HD2	1:50:B:ASP:HA	10	0.42
(1,1888)	1:49:B:LYS:HD2	1:50:B:ASP:HA	12	0.42
(1,1887)	1:49:A:LYS:HD2	1:50:A:ASP:HA	7	0.42
(1,1887)	1:49:A:LYS:HD2	1:50:A:ASP:HA	10	0.42
(1,1884)	1:51:B:LYS:HB3	1:50:B:ASP:HA	20	0.42
(1,1883)	1:51:A:LYS:HB3	1:50:A:ASP:HA	20	0.42
(1,1854)	1:54:B:ILE:H	1:55:B:ASP:HB2	7	0.42
(1,1853)	1:54:A:ILE:H	1:55:A:ASP:HB2	2	0.42
(1,1853)	1:54:A:ILE:H	1:55:A:ASP:HB2	7	0.42
(1,1804)	1:85:B:ALA:HB1	1:12:A:VAL:H	11	0.42
(1,1803)	1:85:A:ALA:HB1	1:12:B:VAL:H	11	0.42
(1,1749)	1:80:A:ILE:HG22	1:79:A:ALA:H	8	0.42
(1,1748)	1:91:B:LYS:H	1:84:B:ALA:HB1	5	0.42
(1,1744)	1:63:B:ALA:H	1:61:B:LEU:HG	8	0.42
(1,1743)	1:63:A:ALA:H	1:61:A:LEU:HG	8	0.42
(1,1724)	1:80:B:ILE:HG21	1:8:A:LEU:HD11	3	0.42
(1,1724)	1:80:B:ILE:HG21	1:8:A:LEU:HD13	4	0.42
(1,1723)	1:80:A:ILE:HG21	1:8:B:LEU:HD11	3	0.42
(1,1723)	1:80:A:ILE:HG21	1:8:B:LEU:HD13	4	0.42
(1,1703)	1:8:A:LEU:HG	1:45:B:ILE:HG13	19	0.42
(1,1635)	1:57:A:ILE:H	1:57:A:ILE:HG13	6	0.42
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG21	3	0.42
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG21	17	0.42
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG21	3	0.42
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG21	17	0.42
(1,1500)	1:83:B:LYS:H	1:83:B:LYS:HB3	13	0.42
(1,1499)	1:83:A:LYS:H	1:83:A:LYS:HB3	13	0.42
(1,1480)	1:8:B:LEU:H	1:8:B:LEU:HB3	16	0.42
(1,1480)	1:8:B:LEU:H	1:8:B:LEU:HB3	19	0.42
(1,1479)	1:8:A:LEU:H	1:8:A:LEU:HB3	16	0.42
(1,776)	1:48:B:ILE:HG21	1:48:B:ILE:HG23	1	0.42
(1,776)	1:48:B:ILE:HG21	1:48:B:ILE:HG23	3	0.42
(1,776)	1:48:B:ILE:HG21	1:48:B:ILE:HG23	7	0.42
(1,776)	1:48:B:ILE:HG21	1:48:B:ILE:HG23	15	0.42
(1,776)	1:48:B:ILE:HG21	1:48:B:ILE:HG23	20	0.42
(1,775)	1:48:A:ILE:HG22	1:48:A:ILE:HG21	4	0.42
(1,775)	1:48:A:ILE:HG22	1:48:A:ILE:HG21	11	0.42
(1,775)	1:48:A:ILE:HG21	1:48:A:ILE:HG23	12	0.42
(1,775)	1:48:A:ILE:HG21	1:48:A:ILE:HG23	19	0.42
(1,711)	1:36:A:LEU:HG	1:33:A:LEU:HD13	8	0.42
(1,618)	1:42:B:ALA:HB2	1:43:B:ASN:HB3	4	0.42
(1,610)	1:63:B:ALA:HB1	1:62:B:ASP:HB3	17	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:63:A:ALA:HB1	1:62:A:ASP:HB3	17	0.42
(1,572)	1:49:B:LYS:HB3	1:49:B:LYS:HD2	16	0.42
(1,571)	1:49:A:LYS:HB3	1:49:A:LYS:HD2	16	0.42
(1,370)	1:91:B:LYS:HE3	1:90:B:HIS:HB3	9	0.42
(1,369)	1:91:A:LYS:HE3	1:90:A:HIS:HB3	9	0.42
(1,310)	1:53:B:VAL:HG21	1:54:B:ILE:HA	13	0.42
(1,310)	1:53:B:VAL:HG22	1:54:B:ILE:HA	20	0.42
(1,309)	1:53:A:VAL:HG21	1:54:A:ILE:HA	13	0.42
(1,76)	1:41:B:LEU:H	1:40:B:GLU:HG2	15	0.42
(1,3826)	1:30:B:LYS:H	1:30:B:LYS:HG3	15	0.41
(1,3826)	1:30:B:LYS:H	1:30:B:LYS:HG3	17	0.41
(1,3825)	1:30:A:LYS:H	1:30:A:LYS:HG3	15	0.41
(1,3825)	1:30:A:LYS:H	1:30:A:LYS:HG3	17	0.41
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG22	12	0.41
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG22	10	0.41
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG22	10	0.41
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG22	13	0.41
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG23	4	0.41
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG22	7	0.41
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG23	4	0.41
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG22	7	0.41
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG22	3	0.41
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG22	3	0.41
(1,3770)	1:54:B:ILE:H	1:48:B:ILE:HD11	5	0.41
(1,3725)	1:41:A:LEU:H	1:48:A:ILE:HG13	14	0.41
(1,3710)	1:44:B:THR:H	1:45:B:ILE:HG13	16	0.41
(1,3710)	1:44:B:THR:H	1:45:B:ILE:HG13	17	0.41
(1,3709)	1:44:A:THR:H	1:45:A:ILE:HG13	16	0.41
(1,3709)	1:44:A:THR:H	1:45:A:ILE:HG13	17	0.41
(1,3705)	1:12:A:VAL:H	1:82:B:LEU:HG	10	0.41
(1,3694)	1:75:B:ILE:H	1:83:A:LYS:HG2	18	0.41
(1,3693)	1:75:A:ILE:H	1:83:B:LYS:HG2	18	0.41
(1,3693)	1:75:A:ILE:H	1:83:B:LYS:HG3	20	0.41
(1,3684)	1:43:B:ASN:H	1:45:B:ILE:HG13	6	0.41
(1,3681)	1:39:A:LYS:H	1:37:A:LEU:HB2	16	0.41
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB2	15	0.41
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB2	15	0.41
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB3	2	0.41
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB3	11	0.41
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB3	11	0.41
(1,3614)	1:52:B:ALA:H	1:51:B:LYS:HD2	11	0.41
(1,3590)	1:90:B:HIS:H	1:91:B:LYS:HD3	16	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3590)	1:90:B:HIS:H	1:91:B:LYS:HD3	20	0.41
(1,3589)	1:90:A:HIS:H	1:91:A:LYS:HD3	16	0.41
(1,3589)	1:90:A:HIS:H	1:91:A:LYS:HD3	20	0.41
(1,3506)	1:18:B:TYR:H	1:40:B:GLU:HG3	14	0.41
(1,3505)	1:18:A:TYR:H	1:40:A:GLU:HG3	14	0.41
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG2	14	0.41
(1,3478)	1:70:B:ASP:H	1:72:B:GLN:HG2	16	0.41
(1,3418)	1:10:B:GLY:H	1:7:A:HIS:HB3	2	0.41
(1,3418)	1:10:B:GLY:H	1:7:B:HIS:HB2	16	0.41
(1,3417)	1:10:A:GLY:H	1:7:A:HIS:HB2	16	0.41
(1,3322)	1:60:B:GLY:H	1:61:B:LEU:HA	20	0.41
(1,3321)	1:60:A:GLY:H	1:61:A:LEU:HA	20	0.41
(1,3178)	1:45:B:ILE:HG22	1:91:B:LYS:HE2	5	0.41
(1,3145)	1:88:A:HIS:HB2	1:12:B:VAL:HG23	2	0.41
(1,3139)	1:53:A:VAL:HG23	1:56:A:GLU:HG3	10	0.41
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG21	2	0.41
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG21	2	0.41
(1,3076)	1:85:B:ALA:HA	1:12:A:VAL:HG23	20	0.41
(1,3048)	1:30:B:LYS:HA	1:33:B:LEU:HD23	7	0.41
(1,3047)	1:30:A:LYS:HA	1:33:A:LEU:HD23	7	0.41
(1,2984)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	20	0.41
(1,2983)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	20	0.41
(1,2913)	1:45:A:ILE:HG13	1:42:A:ALA:HA	8	0.41
(1,2892)	1:82:B:LEU:HG	1:78:B:VAL:HB	8	0.41
(1,2892)	1:82:B:LEU:HG	1:78:B:VAL:HB	11	0.41
(1,2891)	1:82:A:LEU:HG	1:78:A:VAL:HB	8	0.41
(1,2868)	1:77:B:LEU:HA	1:80:B:ILE:HG12	9	0.41
(1,2868)	1:77:B:LEU:HA	1:80:B:ILE:HG12	14	0.41
(1,2867)	1:77:A:LEU:HA	1:80:A:ILE:HG12	9	0.41
(1,2867)	1:77:A:LEU:HA	1:80:A:ILE:HG12	14	0.41
(1,2860)	1:53:B:VAL:HG13	1:46:B:LYS:HG3	8	0.41
(1,2860)	1:53:B:VAL:HG13	1:46:B:LYS:HG3	17	0.41
(1,2859)	1:53:A:VAL:HG13	1:46:A:LYS:HG3	8	0.41
(1,2859)	1:53:A:VAL:HG13	1:46:A:LYS:HG3	17	0.41
(1,2818)	1:53:B:VAL:HG13	1:46:B:LYS:HG3	5	0.41
(1,2817)	1:53:A:VAL:HG13	1:46:A:LYS:HG3	5	0.41
(1,2758)	1:80:B:ILE:HD12	1:91:B:LYS:HD2	19	0.41
(1,2757)	1:80:A:ILE:HD12	1:91:A:LYS:HD2	19	0.41
(1,2582)	1:80:B:ILE:HB	1:81:B:ALA:HA	15	0.41
(1,2581)	1:80:A:ILE:HB	1:81:A:ALA:HA	15	0.41
(1,2566)	1:86:B:HIS:HB3	1:83:B:LYS:HB2	9	0.41
(1,2565)	1:86:A:HIS:HB3	1:83:A:LYS:HB2	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2547)	1:82:A:LEU:HG	1:78:B:VAL:HB	9	0.41
(1,2519)	1:7:A:HIS:HB3	1:6:A:GLU:HB3	5	0.41
(1,2508)	1:10:B:GLY:HA3	1:9:B:GLU:HB2	12	0.41
(1,2507)	1:10:A:GLY:HA3	1:9:A:GLU:HB2	12	0.41
(1,2506)	1:61:B:LEU:HG	1:60:B:GLY:HA3	7	0.41
(1,2505)	1:61:A:LEU:HG	1:60:A:GLY:HA3	1	0.41
(1,2505)	1:61:A:LEU:HG	1:60:A:GLY:HA3	20	0.41
(1,2473)	1:32:A:GLU:HG2	1:31:A:GLY:HA3	17	0.41
(1,2472)	1:85:B:ALA:HA	1:9:A:GLU:HG3	10	0.41
(1,2420)	1:67:B:GLU:HG3	1:59:B:GLN:HA	20	0.41
(1,2419)	1:67:A:GLU:HG3	1:59:A:GLN:HA	20	0.41
(1,2368)	1:62:B:ASP:HB2	1:67:B:GLU:HB2	11	0.41
(1,2344)	1:54:B:ILE:HG23	1:30:B:LYS:HE3	19	0.41
(1,2343)	1:54:A:ILE:HG23	1:30:A:LYS:HE3	19	0.41
(1,2313)	1:54:A:ILE:HB	1:55:A:ASP:HB2	20	0.41
(1,2296)	1:59:B:GLN:HG2	1:55:B:ASP:HB3	17	0.41
(1,2295)	1:59:A:GLN:HG2	1:55:A:ASP:HB3	2	0.41
(1,2295)	1:59:A:GLN:HG2	1:55:A:ASP:HB3	17	0.41
(1,2267)	1:75:A:ILE:HD12	1:83:B:LYS:HE3	15	0.41
(1,2256)	1:52:B:ALA:HB2	1:50:B:ASP:HB2	19	0.41
(1,2255)	1:52:A:ALA:HB2	1:50:A:ASP:HB2	18	0.41
(1,2197)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	10	0.41
(1,2170)	1:86:B:HIS:HA	1:88:B:HIS:HB3	11	0.41
(1,2169)	1:86:A:HIS:HA	1:88:A:HIS:HB3	11	0.41
(1,2166)	1:12:B:VAL:HG23	1:88:A:HIS:HB2	2	0.41
(1,2112)	1:80:B:ILE:HD11	1:76:B:SER:HB3	16	0.41
(1,1935)	1:83:A:LYS:HD3	1:91:A:LYS:HA	5	0.41
(1,1890)	1:49:B:LYS:HD2	1:50:B:ASP:HA	7	0.41
(1,1888)	1:51:B:LYS:HD2	1:50:B:ASP:HA	6	0.41
(1,1888)	1:49:B:LYS:HD2	1:50:B:ASP:HA	7	0.41
(1,1888)	1:51:B:LYS:HD2	1:50:B:ASP:HA	11	0.41
(1,1887)	1:51:A:LYS:HD2	1:50:A:ASP:HA	4	0.41
(1,1887)	1:51:A:LYS:HD2	1:50:A:ASP:HA	11	0.41
(1,1806)	1:57:B:ILE:HG23	1:61:B:LEU:H	1	0.41
(1,1805)	1:57:A:ILE:HG23	1:61:A:LEU:H	1	0.41
(1,1804)	1:84:B:ALA:H	1:85:B:ALA:HB1	15	0.41
(1,1803)	1:84:A:ALA:H	1:85:A:ALA:HB1	15	0.41
(1,1747)	1:91:A:LYS:H	1:84:A:ALA:HB1	5	0.41
(1,1737)	1:75:A:ILE:HG22	1:82:B:LEU:HD12	14	0.41
(1,1704)	1:8:B:LEU:HG	1:45:A:ILE:HG13	19	0.41
(1,1636)	1:57:B:ILE:H	1:57:B:ILE:HG13	6	0.41
(1,1616)	1:9:B:GLU:H	1:44:A:THR:HG22	5	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1616)	1:9:B:GLU:H	1:44:A:THR:HG21	7	0.41
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD11	16	0.41
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD11	16	0.41
(1,1480)	1:8:B:LEU:H	1:8:B:LEU:HB3	15	0.41
(1,1479)	1:8:A:LEU:H	1:8:A:LEU:HB3	15	0.41
(1,1479)	1:8:A:LEU:H	1:8:A:LEU:HB3	19	0.41
(1,776)	1:48:B:ILE:HG21	1:48:B:ILE:HG23	2	0.41
(1,776)	1:48:B:ILE:HG22	1:48:B:ILE:HG23	4	0.41
(1,776)	1:48:B:ILE:HG22	1:48:B:ILE:HG23	5	0.41
(1,776)	1:48:B:ILE:HG21	1:48:B:ILE:HG23	6	0.41
(1,776)	1:48:B:ILE:HG22	1:48:B:ILE:HG21	8	0.41
(1,776)	1:48:B:ILE:HG21	1:48:B:ILE:HG23	9	0.41
(1,776)	1:48:B:ILE:HG22	1:48:B:ILE:HG23	10	0.41
(1,776)	1:48:B:ILE:HG22	1:48:B:ILE:HG21	11	0.41
(1,776)	1:48:B:ILE:HG22	1:48:B:ILE:HG21	12	0.41
(1,776)	1:48:B:ILE:HG22	1:48:B:ILE:HG23	13	0.41
(1,776)	1:48:B:ILE:HG22	1:48:B:ILE:HG21	14	0.41
(1,776)	1:48:B:ILE:HG22	1:48:B:ILE:HG23	16	0.41
(1,776)	1:48:B:ILE:HG22	1:48:B:ILE:HG23	17	0.41
(1,776)	1:48:B:ILE:HG21	1:48:B:ILE:HG23	18	0.41
(1,776)	1:48:B:ILE:HG21	1:48:B:ILE:HG23	19	0.41
(1,775)	1:48:A:ILE:HG22	1:48:A:ILE:HG21	1	0.41
(1,775)	1:48:A:ILE:HG21	1:48:A:ILE:HG23	2	0.41
(1,775)	1:48:A:ILE:HG21	1:48:A:ILE:HG23	3	0.41
(1,775)	1:48:A:ILE:HG21	1:48:A:ILE:HG23	5	0.41
(1,775)	1:48:A:ILE:HG21	1:48:A:ILE:HG23	6	0.41
(1,775)	1:48:A:ILE:HG22	1:48:A:ILE:HG21	7	0.41
(1,775)	1:48:A:ILE:HG22	1:48:A:ILE:HG23	8	0.41
(1,775)	1:48:A:ILE:HG21	1:48:A:ILE:HG23	9	0.41
(1,775)	1:48:A:ILE:HG21	1:48:A:ILE:HG23	10	0.41
(1,775)	1:48:A:ILE:HG21	1:48:A:ILE:HG23	13	0.41
(1,775)	1:48:A:ILE:HG22	1:48:A:ILE:HG23	14	0.41
(1,775)	1:48:A:ILE:HG21	1:48:A:ILE:HG23	15	0.41
(1,775)	1:48:A:ILE:HG22	1:48:A:ILE:HG23	16	0.41
(1,775)	1:48:A:ILE:HG22	1:48:A:ILE:HG23	17	0.41
(1,775)	1:48:A:ILE:HG21	1:48:A:ILE:HG23	18	0.41
(1,775)	1:48:A:ILE:HG21	1:48:A:ILE:HG23	20	0.41
(1,617)	1:42:A:ALA:HB2	1:43:A:ASN:HB3	4	0.41
(1,610)	1:63:B:ALA:HB2	1:62:B:ASP:HB3	11	0.41
(1,610)	1:63:B:ALA:HB3	1:62:B:ASP:HB3	13	0.41
(1,609)	1:63:A:ALA:HB2	1:62:A:ASP:HB3	1	0.41
(1,609)	1:63:A:ALA:HB2	1:62:A:ASP:HB3	8	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:63:A:ALA:HB2	1:62:A:ASP:HB3	11	0.41
(1,609)	1:63:A:ALA:HB3	1:62:A:ASP:HB3	13	0.41
(1,511)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	8	0.41
(1,466)	1:36:B:LEU:HD21	1:40:B:GLU:HG3	17	0.41
(1,465)	1:36:A:LEU:HD21	1:40:A:GLU:HG3	17	0.41
(1,424)	1:39:B:LYS:HD3	1:35:B:GLN:HB3	5	0.41
(1,424)	1:39:B:LYS:HD3	1:35:B:GLN:HB3	8	0.41
(1,424)	1:39:B:LYS:HD3	1:35:B:GLN:HB3	19	0.41
(1,423)	1:39:A:LYS:HD3	1:35:A:GLN:HB3	5	0.41
(1,423)	1:39:A:LYS:HD3	1:35:A:GLN:HB3	8	0.41
(1,423)	1:39:A:LYS:HD3	1:35:A:GLN:HB3	19	0.41
(1,399)	1:12:A:VAL:HG23	1:86:B:HIS:HB3	15	0.41
(1,351)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	5	0.41
(1,344)	1:83:B:LYS:HE3	1:87:B:TYR:HB2	18	0.41
(1,343)	1:83:A:LYS:HE3	1:87:A:TYR:HB2	18	0.41
(1,310)	1:53:B:VAL:HG21	1:54:B:ILE:HA	5	0.41
(1,310)	1:53:B:VAL:HG22	1:54:B:ILE:HA	7	0.41
(1,310)	1:53:B:VAL:HG22	1:54:B:ILE:HA	14	0.41
(1,309)	1:53:A:VAL:HG21	1:54:A:ILE:HA	5	0.41
(1,309)	1:53:A:VAL:HG22	1:54:A:ILE:HA	7	0.41
(1,309)	1:53:A:VAL:HG22	1:54:A:ILE:HA	14	0.41
(1,75)	1:41:A:LEU:H	1:40:A:GLU:HG2	15	0.41
(2,58)	1:32:B:GLU:HB2	1:35:B:GLN:HB2	5	0.4
(2,58)	1:32:B:GLU:HB2	1:35:B:GLN:HB2	8	0.4
(2,57)	1:32:A:GLU:HB2	1:35:A:GLN:HB2	5	0.4
(2,57)	1:32:A:GLU:HB2	1:35:A:GLN:HB2	8	0.4
(1,3825)	1:30:A:LYS:H	1:30:A:LYS:HG3	16	0.4
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG23	6	0.4
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG23	6	0.4
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG21	9	0.4
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG22	14	0.4
(1,3770)	1:54:B:ILE:H	1:48:B:ILE:HD13	4	0.4
(1,3769)	1:54:A:ILE:H	1:48:A:ILE:HD13	4	0.4
(1,3726)	1:41:B:LEU:H	1:48:B:ILE:HG13	14	0.4
(1,3710)	1:44:B:THR:H	1:45:B:ILE:HG13	14	0.4
(1,3709)	1:44:A:THR:H	1:45:A:ILE:HG13	14	0.4
(1,3705)	1:12:A:VAL:H	1:82:B:LEU:HG	11	0.4
(1,3700)	1:84:B:ALA:H	1:44:B:THR:HG22	16	0.4
(1,3699)	1:84:A:ALA:H	1:44:A:THR:HG22	16	0.4
(1,3691)	1:75:A:ILE:H	1:61:A:LEU:HB3	19	0.4
(1,3690)	1:57:B:ILE:H	1:80:B:ILE:HG12	4	0.4
(1,3689)	1:57:A:ILE:H	1:80:A:ILE:HG12	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3683)	1:43:A:ASN:H	1:45:A:ILE:HG13	6	0.4
(1,3682)	1:39:B:LYS:H	1:37:B:LEU:HB2	16	0.4
(1,3682)	1:39:B:LYS:H	1:37:B:LEU:HB2	19	0.4
(1,3681)	1:39:A:LYS:H	1:37:A:LEU:HB2	19	0.4
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB3	5	0.4
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB1	6	0.4
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB3	5	0.4
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB3	2	0.4
(1,3622)	1:87:B:TYR:H	1:85:B:ALA:HB1	3	0.4
(1,3622)	1:87:B:TYR:H	1:85:B:ALA:HB1	15	0.4
(1,3621)	1:87:A:TYR:H	1:85:A:ALA:HB1	3	0.4
(1,3621)	1:87:A:TYR:H	1:85:A:ALA:HB1	15	0.4
(1,3614)	1:52:B:ALA:H	1:51:B:LYS:HD2	3	0.4
(1,3548)	1:76:B:SER:H	1:73:B:GLU:HB3	4	0.4
(1,3547)	1:76:A:SER:H	1:73:A:GLU:HB3	4	0.4
(1,3465)	1:58:A:PHE:H	1:59:A:GLN:HG2	17	0.4
(1,3422)	1:92:B:GLU:H	1:90:B:HIS:HB2	17	0.4
(1,3421)	1:92:A:GLU:H	1:90:A:HIS:HB2	17	0.4
(1,3263)	1:12:A:VAL:H	1:10:A:GLY:H	2	0.4
(1,3236)	1:12:B:VAL:H	1:14:B:ILE:H	5	0.4
(1,3235)	1:12:A:VAL:H	1:14:A:ILE:H	5	0.4
(1,3177)	1:45:A:ILE:HG22	1:91:A:LYS:HE2	5	0.4
(1,3146)	1:88:B:HIS:HB2	1:12:A:VAL:HG23	2	0.4
(1,3072)	1:12:B:VAL:HG21	1:9:B:GLU:HA	16	0.4
(1,3071)	1:12:A:VAL:HG21	1:9:A:GLU:HA	16	0.4
(1,2954)	1:41:B:LEU:HB3	1:44:B:THR:HG21	8	0.4
(1,2953)	1:41:A:LEU:HB3	1:44:A:THR:HG21	8	0.4
(1,2914)	1:45:B:ILE:HG13	1:42:B:ALA:HA	8	0.4
(1,2868)	1:77:B:LEU:HA	1:80:B:ILE:HG12	11	0.4
(1,2867)	1:77:A:LEU:HA	1:80:A:ILE:HG12	11	0.4
(1,2856)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	1	0.4
(1,2856)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	5	0.4
(1,2855)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	1	0.4
(1,2855)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	5	0.4
(1,2812)	1:37:B:LEU:HD23	1:33:B:LEU:HG	3	0.4
(1,2812)	1:37:B:LEU:HD21	1:33:B:LEU:HG	4	0.4
(1,2812)	1:37:B:LEU:HD21	1:33:B:LEU:HG	7	0.4
(1,2811)	1:37:A:LEU:HD23	1:33:A:LEU:HG	3	0.4
(1,2811)	1:37:A:LEU:HD21	1:33:A:LEU:HG	4	0.4
(1,2811)	1:37:A:LEU:HD21	1:33:A:LEU:HG	7	0.4
(1,2811)	1:37:A:LEU:HD23	1:33:A:LEU:HG	13	0.4
(1,2800)	1:67:B:GLU:HG3	1:62:B:ASP:HB3	18	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2799)	1:67:A:GLU:HG3	1:62:A:ASP:HB3	18	0.4
(1,2724)	1:84:B:ALA:HB2	1:91:B:LYS:HD3	12	0.4
(1,2723)	1:84:A:ALA:HB2	1:91:A:LYS:HD3	12	0.4
(1,2680)	1:49:B:LYS:HB2	1:47:B:ASN:HB3	10	0.4
(1,2630)	1:81:B:ALA:HB1	1:80:B:ILE:HB	20	0.4
(1,2582)	1:80:B:ILE:HB	1:81:B:ALA:HA	4	0.4
(1,2582)	1:80:B:ILE:HB	1:81:B:ALA:HA	20	0.4
(1,2581)	1:80:A:ILE:HB	1:81:A:ALA:HA	4	0.4
(1,2581)	1:80:A:ILE:HB	1:81:A:ALA:HA	20	0.4
(1,2554)	1:79:B:ALA:HA	1:78:B:VAL:HB	7	0.4
(1,2553)	1:79:A:ALA:HA	1:78:A:VAL:HB	7	0.4
(1,2548)	1:82:B:LEU:HG	1:78:B:VAL:HB	4	0.4
(1,2547)	1:82:A:LEU:HG	1:78:A:VAL:HB	4	0.4
(1,2507)	1:10:A:GLY:HA3	1:9:A:GLU:HB3	11	0.4
(1,2506)	1:61:B:LEU:HG	1:60:B:GLY:HA3	1	0.4
(1,2506)	1:61:B:LEU:HG	1:60:B:GLY:HA3	4	0.4
(1,2505)	1:61:A:LEU:HG	1:60:A:GLY:HA3	4	0.4
(1,2505)	1:61:A:LEU:HG	1:60:A:GLY:HA3	7	0.4
(1,2505)	1:61:A:LEU:HG	1:60:A:GLY:HA3	9	0.4
(1,2466)	1:6:B:GLU:HB2	1:6:B:GLU:HA	20	0.4
(1,2465)	1:6:A:GLU:HB2	1:6:A:GLU:HA	20	0.4
(1,2380)	1:39:B:LYS:HE2	1:35:B:GLN:HG2	20	0.4
(1,2379)	1:39:A:LYS:HE2	1:35:A:GLN:HG2	20	0.4
(1,2368)	1:62:B:ASP:HB2	1:67:B:GLU:HB2	9	0.4
(1,2352)	1:36:B:LEU:HB3	1:40:B:GLU:HB2	6	0.4
(1,2351)	1:36:A:LEU:HB3	1:40:A:GLU:HB2	6	0.4
(1,2314)	1:54:B:ILE:HB	1:55:B:ASP:HB2	11	0.4
(1,2314)	1:54:B:ILE:HB	1:55:B:ASP:HB2	20	0.4
(1,2313)	1:54:A:ILE:HB	1:55:A:ASP:HB2	11	0.4
(1,2260)	1:72:B:GLN:HA	1:75:B:ILE:HA	20	0.4
(1,2259)	1:72:A:GLN:HA	1:75:A:ILE:HA	20	0.4
(1,2256)	1:52:B:ALA:HB2	1:50:B:ASP:HB2	18	0.4
(1,2226)	1:82:B:LEU:HD11	1:78:A:VAL:HA	9	0.4
(1,2225)	1:82:A:LEU:HD11	1:78:B:VAL:HA	9	0.4
(1,2202)	1:8:B:LEU:HD11	1:78:A:VAL:HA	5	0.4
(1,2202)	1:8:B:LEU:HD11	1:78:A:VAL:HA	14	0.4
(1,2201)	1:8:A:LEU:HD11	1:78:B:VAL:HA	5	0.4
(1,2165)	1:12:A:VAL:HG23	1:88:B:HIS:HB2	2	0.4
(1,2146)	1:79:B:ALA:HB3	1:80:B:ILE:HA	5	0.4
(1,2146)	1:79:B:ALA:HB3	1:80:B:ILE:HA	6	0.4
(1,2146)	1:79:B:ALA:HB1	1:80:B:ILE:HA	8	0.4
(1,2146)	1:79:B:ALA:HB1	1:80:B:ILE:HA	10	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2145)	1:79:A:ALA:HB3	1:80:A:ILE:HA	5	0.4
(1,2145)	1:79:A:ALA:HB3	1:80:A:ILE:HA	6	0.4
(1,2145)	1:79:A:ALA:HB1	1:80:A:ILE:HA	8	0.4
(1,2145)	1:79:A:ALA:HB1	1:80:A:ILE:HA	10	0.4
(1,2111)	1:80:A:ILE:HD11	1:76:A:SER:HB3	16	0.4
(1,2099)	1:8:A:LEU:HG	1:9:A:GLU:HA	1	0.4
(1,1888)	1:51:B:LYS:HD2	1:50:B:ASP:HA	4	0.4
(1,1888)	1:51:B:LYS:HD2	1:50:B:ASP:HA	18	0.4
(1,1887)	1:51:A:LYS:HD2	1:50:A:ASP:HA	6	0.4
(1,1812)	1:44:B:THR:H	1:46:B:LYS:HA	2	0.4
(1,1811)	1:44:A:THR:H	1:46:A:LYS:HA	2	0.4
(1,1750)	1:80:B:ILE:HG22	1:79:B:ALA:H	14	0.4
(1,1749)	1:80:A:ILE:HG22	1:79:A:ALA:H	14	0.4
(1,1744)	1:63:B:ALA:H	1:61:B:LEU:HG	5	0.4
(1,1744)	1:63:B:ALA:H	1:61:B:LEU:HG	15	0.4
(1,1743)	1:63:A:ALA:H	1:61:A:LEU:HG	5	0.4
(1,1743)	1:63:A:ALA:H	1:61:A:LEU:HG	15	0.4
(1,1738)	1:75:B:ILE:HG22	1:82:A:LEU:HD12	14	0.4
(1,1734)	1:36:B:LEU:HD21	1:8:A:LEU:HD13	17	0.4
(1,1733)	1:36:A:LEU:HD21	1:8:B:LEU:HD13	17	0.4
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG23	5	0.4
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG21	14	0.4
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG21	14	0.4
(1,1615)	1:9:A:GLU:H	1:44:B:THR:HG22	5	0.4
(1,1615)	1:9:A:GLU:H	1:44:B:THR:HG21	7	0.4
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD12	15	0.4
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD12	15	0.4
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB2	5	0.4
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB2	5	0.4
(1,1500)	1:83:B:LYS:H	1:83:B:LYS:HB3	15	0.4
(1,1499)	1:83:A:LYS:H	1:83:A:LYS:HB3	15	0.4
(1,1480)	1:8:B:LEU:H	1:8:B:LEU:HB3	12	0.4
(1,1480)	1:8:B:LEU:H	1:8:B:LEU:HB3	20	0.4
(1,1479)	1:8:A:LEU:H	1:8:A:LEU:HB3	12	0.4
(1,1479)	1:8:A:LEU:H	1:8:A:LEU:HB3	20	0.4
(1,700)	1:37:B:LEU:HD23	1:48:B:ILE:HG13	9	0.4
(1,610)	1:63:B:ALA:HB2	1:62:B:ASP:HB3	1	0.4
(1,610)	1:63:B:ALA:HB2	1:62:B:ASP:HB3	3	0.4
(1,610)	1:63:B:ALA:HB2	1:62:B:ASP:HB3	8	0.4
(1,610)	1:63:B:ALA:HB3	1:62:B:ASP:HB3	20	0.4
(1,609)	1:63:A:ALA:HB1	1:62:A:ASP:HB3	18	0.4
(1,609)	1:63:A:ALA:HB3	1:62:A:ASP:HB3	20	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,572)	1:49:B:LYS:HB3	1:49:B:LYS:HD2	6	0.4
(1,571)	1:49:A:LYS:HB3	1:49:A:LYS:HD2	6	0.4
(1,512)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	8	0.4
(1,408)	1:36:B:LEU:HD21	1:40:B:GLU:HB2	12	0.4
(1,407)	1:36:A:LEU:HD21	1:40:A:GLU:HB2	12	0.4
(1,400)	1:12:B:VAL:HG23	1:86:A:HIS:HB3	15	0.4
(1,352)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	5	0.4
(1,310)	1:53:B:VAL:HG21	1:54:B:ILE:HA	3	0.4
(1,310)	1:53:B:VAL:HG21	1:54:B:ILE:HA	4	0.4
(1,310)	1:53:B:VAL:HG22	1:54:B:ILE:HA	6	0.4
(1,309)	1:53:A:VAL:HG21	1:54:A:ILE:HA	3	0.4
(1,309)	1:53:A:VAL:HG21	1:54:A:ILE:HA	4	0.4
(1,309)	1:53:A:VAL:HG22	1:54:A:ILE:HA	6	0.4
(1,242)	1:53:B:VAL:HG21	1:48:B:ILE:HA	18	0.4
(1,241)	1:53:A:VAL:HG21	1:48:A:ILE:HA	18	0.4
(1,168)	1:39:B:LYS:HG3	1:39:B:LYS:HA	12	0.4
(2,138)	1:75:B:ILE:H	1:61:B:LEU:HB2	8	0.39
(2,137)	1:75:A:ILE:H	1:61:A:LEU:HB2	8	0.39
(1,3826)	1:30:B:LYS:H	1:30:B:LYS:HG3	16	0.39
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG22	5	0.39
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG22	5	0.39
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG21	9	0.39
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG22	14	0.39
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG21	6	0.39
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG21	6	0.39
(1,3774)	1:55:B:ASP:H	1:54:B:ILE:HG22	11	0.39
(1,3773)	1:55:A:ASP:H	1:54:A:ILE:HG22	11	0.39
(1,3770)	1:54:B:ILE:H	1:48:B:ILE:HD12	16	0.39
(1,3769)	1:54:A:ILE:H	1:48:A:ILE:HD12	16	0.39
(1,3725)	1:41:A:LEU:H	1:48:A:ILE:HG13	1	0.39
(1,3710)	1:44:B:THR:H	1:45:B:ILE:HG13	2	0.39
(1,3710)	1:44:B:THR:H	1:45:B:ILE:HG13	9	0.39
(1,3709)	1:44:A:THR:H	1:45:A:ILE:HG13	2	0.39
(1,3709)	1:44:A:THR:H	1:45:A:ILE:HG13	9	0.39
(1,3706)	1:12:B:VAL:H	1:82:A:LEU:HG	11	0.39
(1,3705)	1:12:A:VAL:H	1:82:B:LEU:HG	2	0.39
(1,3692)	1:75:B:ILE:H	1:61:B:LEU:HB3	19	0.39
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB1	6	0.39
(1,3628)	1:51:B:LYS:H	1:51:B:LYS:HG3	17	0.39
(1,3627)	1:51:A:LYS:H	1:51:A:LYS:HG3	17	0.39
(1,3626)	1:38:B:THR:H	1:54:B:ILE:HG12	11	0.39
(1,3626)	1:38:B:THR:H	1:54:B:ILE:HG12	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3625)	1:38:A:THR:H	1:54:A:ILE:HG12	11	0.39
(1,3625)	1:38:A:THR:H	1:54:A:ILE:HG12	13	0.39
(1,3494)	1:64:B:ASN:H	1:65:B:GLN:HB3	20	0.39
(1,3493)	1:64:A:ASN:H	1:65:A:GLN:HB3	20	0.39
(1,3466)	1:58:B:PHE:H	1:59:B:GLN:HG2	17	0.39
(1,3264)	1:12:B:VAL:H	1:10:B:GLY:H	2	0.39
(1,3264)	1:12:B:VAL:H	1:10:B:GLY:H	9	0.39
(1,3236)	1:12:B:VAL:H	1:14:B:ILE:H	13	0.39
(1,3235)	1:12:A:VAL:H	1:14:A:ILE:H	13	0.39
(1,3211)	1:72:A:GLN:HB2	1:75:A:ILE:HD12	9	0.39
(1,3146)	1:88:B:HIS:HB2	1:12:A:VAL:HG22	9	0.39
(1,3140)	1:53:B:VAL:HG23	1:56:B:GLU:HG3	10	0.39
(1,3120)	1:82:B:LEU:HA	1:8:A:LEU:HD23	12	0.39
(1,3075)	1:85:A:ALA:HA	1:12:B:VAL:HG23	20	0.39
(1,3074)	1:59:B:GLN:HA	1:61:B:LEU:HD12	10	0.39
(1,3073)	1:59:A:GLN:HA	1:61:A:LEU:HD12	10	0.39
(1,3052)	1:40:B:GLU:HG2	1:37:B:LEU:HD21	2	0.39
(1,3051)	1:40:A:GLU:HG2	1:37:A:LEU:HD21	2	0.39
(1,2956)	1:74:B:PHE:HB2	1:61:B:LEU:HB3	16	0.39
(1,2955)	1:74:A:PHE:HB2	1:61:A:LEU:HB3	16	0.39
(1,2913)	1:45:A:ILE:HG13	1:42:A:ALA:HA	9	0.39
(1,2892)	1:82:B:LEU:HG	1:78:B:VAL:HB	13	0.39
(1,2892)	1:82:B:LEU:HG	1:78:B:VAL:HB	17	0.39
(1,2891)	1:82:A:LEU:HG	1:78:A:VAL:HB	13	0.39
(1,2868)	1:77:B:LEU:HA	1:80:B:ILE:HG12	5	0.39
(1,2867)	1:77:A:LEU:HA	1:80:A:ILE:HG12	5	0.39
(1,2855)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	20	0.39
(1,2812)	1:37:B:LEU:HD23	1:33:B:LEU:HG	13	0.39
(1,2812)	1:37:B:LEU:HD23	1:33:B:LEU:HG	15	0.39
(1,2800)	1:67:B:GLU:HG3	1:62:B:ASP:HB3	19	0.39
(1,2799)	1:67:A:GLU:HG3	1:62:A:ASP:HB3	19	0.39
(1,2679)	1:49:A:LYS:HB2	1:47:A:ASN:HB3	10	0.39
(1,2664)	1:8:B:LEU:HD11	1:41:A:LEU:HB3	14	0.39
(1,2648)	1:67:B:GLU:HG2	1:68:B:GLN:HB2	1	0.39
(1,2647)	1:67:A:GLU:HG2	1:68:A:GLN:HB2	1	0.39
(1,2642)	1:33:B:LEU:HB3	1:34:B:LYS:HB2	12	0.39
(1,2629)	1:81:A:ALA:HB1	1:80:A:ILE:HB	20	0.39
(1,2582)	1:80:B:ILE:HB	1:81:B:ALA:HA	9	0.39
(1,2581)	1:80:A:ILE:HB	1:81:A:ALA:HA	9	0.39
(1,2518)	1:54:B:ILE:HB	1:56:B:GLU:HB2	4	0.39
(1,2508)	1:10:B:GLY:HA3	1:9:B:GLU:HB3	11	0.39
(1,2507)	1:10:A:GLY:HA3	1:9:A:GLU:HB3	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2506)	1:61:B:LEU:HG	1:60:B:GLY:HA3	9	0.39
(1,2484)	1:54:B:ILE:HB	1:56:B:GLU:HB2	4	0.39
(1,2478)	1:55:B:ASP:HB3	1:56:B:GLU:HB2	3	0.39
(1,2478)	1:55:B:ASP:HB3	1:56:B:GLU:HB2	14	0.39
(1,2477)	1:55:A:ASP:HB3	1:56:A:GLU:HB2	14	0.39
(1,2472)	1:85:B:ALA:HA	1:8:A:LEU:HB3	8	0.39
(1,2426)	1:67:B:GLU:HG2	1:30:B:LYS:HE2	10	0.39
(1,2425)	1:67:A:GLU:HG2	1:30:A:LYS:HE2	10	0.39
(1,2420)	1:67:B:GLU:HG2	1:59:B:GLN:HA	15	0.39
(1,2387)	1:12:A:VAL:HB	1:13:A:ASN:HB2	15	0.39
(1,2367)	1:62:A:ASP:HB2	1:67:A:GLU:HB2	9	0.39
(1,2316)	1:9:B:GLU:HG3	1:86:A:HIS:HB3	7	0.39
(1,2315)	1:9:A:GLU:HG3	1:86:B:HIS:HB3	7	0.39
(1,2314)	1:54:B:ILE:HB	1:55:B:ASP:HB2	8	0.39
(1,2314)	1:54:B:ILE:HB	1:55:B:ASP:HB2	10	0.39
(1,2313)	1:54:A:ILE:HB	1:55:A:ASP:HB2	8	0.39
(1,2313)	1:54:A:ILE:HB	1:55:A:ASP:HB2	10	0.39
(1,2270)	1:86:B:HIS:HB2	1:83:B:LYS:HA	15	0.39
(1,2269)	1:86:A:HIS:HB2	1:83:A:LYS:HA	15	0.39
(1,2268)	1:75:B:ILE:HD12	1:83:A:LYS:HE3	10	0.39
(1,2268)	1:75:B:ILE:HD12	1:83:A:LYS:HE3	15	0.39
(1,2260)	1:72:B:GLN:HA	1:75:B:ILE:HA	10	0.39
(1,2259)	1:72:A:GLN:HA	1:75:A:ILE:HA	10	0.39
(1,2246)	1:91:B:LYS:HB2	1:91:B:LYS:HE2	14	0.39
(1,2245)	1:91:A:LYS:HB2	1:91:A:LYS:HE2	14	0.39
(1,2239)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	10	0.39
(1,2209)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	10	0.39
(1,2202)	1:8:B:LEU:HD12	1:78:A:VAL:HA	7	0.39
(1,2201)	1:8:A:LEU:HD12	1:78:B:VAL:HA	7	0.39
(1,2201)	1:8:A:LEU:HD11	1:78:B:VAL:HA	14	0.39
(1,2186)	1:46:B:LYS:HA	1:47:B:ASN:HB2	11	0.39
(1,2185)	1:46:A:LYS:HA	1:47:A:ASN:HB2	11	0.39
(1,2165)	1:12:A:VAL:HG22	1:88:B:HIS:HB2	9	0.39
(1,2164)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	10	0.39
(1,2100)	1:8:B:LEU:HG	1:9:B:GLU:HA	1	0.39
(1,2039)	1:48:A:ILE:HD13	1:42:A:ALA:HA	14	0.39
(1,1896)	1:12:B:VAL:HG22	1:13:B:ASN:HA	10	0.39
(1,1895)	1:12:A:VAL:HG22	1:13:A:ASN:HA	10	0.39
(1,1894)	1:91:B:LYS:HG2	1:90:B:HIS:HA	5	0.39
(1,1888)	1:51:B:LYS:HD2	1:50:B:ASP:HA	2	0.39
(1,1888)	1:51:B:LYS:HD2	1:50:B:ASP:HA	19	0.39
(1,1887)	1:51:A:LYS:HD2	1:50:A:ASP:HA	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1887)	1:51:A:LYS:HD2	1:50:A:ASP:HA	18	0.39
(1,1854)	1:54:B:ILE:H	1:55:B:ASP:HB2	6	0.39
(1,1854)	1:54:B:ILE:H	1:55:B:ASP:HB2	15	0.39
(1,1853)	1:54:A:ILE:H	1:55:A:ASP:HB2	6	0.39
(1,1824)	1:11:B:ILE:H	1:6:B:GLU:HA	18	0.39
(1,1823)	1:11:A:ILE:H	1:6:A:GLU:HA	18	0.39
(1,1806)	1:57:B:ILE:HG22	1:61:B:LEU:H	2	0.39
(1,1749)	1:45:A:ILE:HG23	1:91:A:LYS:H	17	0.39
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD13	9	0.39
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD13	9	0.39
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG21	6	0.39
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG22	13	0.39
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG23	20	0.39
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG23	5	0.39
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG23	10	0.39
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG22	13	0.39
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD12	11	0.39
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD12	11	0.39
(1,1500)	1:83:B:LYS:H	1:83:B:LYS:HB3	19	0.39
(1,1499)	1:83:A:LYS:H	1:83:A:LYS:HB3	19	0.39
(1,1480)	1:8:B:LEU:H	1:8:B:LEU:HB3	17	0.39
(1,1479)	1:8:A:LEU:H	1:8:A:LEU:HB3	17	0.39
(1,800)	1:75:B:ILE:HD12	1:75:B:ILE:HD13	1	0.39
(1,800)	1:75:B:ILE:HD12	1:75:B:ILE:HD13	2	0.39
(1,800)	1:75:B:ILE:HD12	1:75:B:ILE:HD13	3	0.39
(1,800)	1:75:B:ILE:HD12	1:75:B:ILE:HD13	4	0.39
(1,800)	1:75:B:ILE:HD11	1:75:B:ILE:HD13	5	0.39
(1,800)	1:75:B:ILE:HD12	1:75:B:ILE:HD11	6	0.39
(1,800)	1:75:B:ILE:HD11	1:75:B:ILE:HD13	7	0.39
(1,800)	1:75:B:ILE:HD12	1:75:B:ILE:HD11	8	0.39
(1,800)	1:75:B:ILE:HD12	1:75:B:ILE:HD13	9	0.39
(1,800)	1:75:B:ILE:HD12	1:75:B:ILE:HD11	10	0.39
(1,800)	1:75:B:ILE:HD11	1:75:B:ILE:HD13	11	0.39
(1,800)	1:75:B:ILE:HD11	1:75:B:ILE:HD13	12	0.39
(1,800)	1:75:B:ILE:HD12	1:75:B:ILE:HD13	13	0.39
(1,800)	1:75:B:ILE:HD12	1:75:B:ILE:HD13	14	0.39
(1,800)	1:75:B:ILE:HD12	1:75:B:ILE:HD11	15	0.39
(1,800)	1:75:B:ILE:HD12	1:75:B:ILE:HD11	16	0.39
(1,800)	1:75:B:ILE:HD12	1:75:B:ILE:HD11	17	0.39
(1,800)	1:75:B:ILE:HD12	1:75:B:ILE:HD11	18	0.39
(1,800)	1:75:B:ILE:HD11	1:75:B:ILE:HD13	19	0.39
(1,800)	1:75:B:ILE:HD12	1:75:B:ILE:HD13	20	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,799)	1:75:A:ILE:HD12	1:75:A:ILE:HD13	1	0.39
(1,799)	1:75:A:ILE:HD12	1:75:A:ILE:HD13	2	0.39
(1,799)	1:75:A:ILE:HD12	1:75:A:ILE:HD11	3	0.39
(1,799)	1:75:A:ILE:HD12	1:75:A:ILE:HD13	4	0.39
(1,799)	1:75:A:ILE:HD12	1:75:A:ILE:HD13	5	0.39
(1,799)	1:75:A:ILE:HD12	1:75:A:ILE:HD11	6	0.39
(1,799)	1:75:A:ILE:HD12	1:75:A:ILE:HD11	7	0.39
(1,799)	1:75:A:ILE:HD12	1:75:A:ILE:HD11	8	0.39
(1,799)	1:75:A:ILE:HD12	1:75:A:ILE:HD13	9	0.39
(1,799)	1:75:A:ILE:HD12	1:75:A:ILE:HD11	10	0.39
(1,799)	1:75:A:ILE:HD11	1:75:A:ILE:HD13	11	0.39
(1,799)	1:75:A:ILE:HD11	1:75:A:ILE:HD13	12	0.39
(1,799)	1:75:A:ILE:HD11	1:75:A:ILE:HD13	13	0.39
(1,799)	1:75:A:ILE:HD12	1:75:A:ILE:HD13	14	0.39
(1,799)	1:75:A:ILE:HD12	1:75:A:ILE:HD11	15	0.39
(1,799)	1:75:A:ILE:HD12	1:75:A:ILE:HD11	16	0.39
(1,799)	1:75:A:ILE:HD12	1:75:A:ILE:HD11	17	0.39
(1,799)	1:75:A:ILE:HD11	1:75:A:ILE:HD13	18	0.39
(1,799)	1:75:A:ILE:HD11	1:75:A:ILE:HD13	19	0.39
(1,799)	1:75:A:ILE:HD12	1:75:A:ILE:HD13	20	0.39
(1,760)	1:80:B:ILE:HD12	1:80:B:ILE:HD11	1	0.39
(1,760)	1:80:B:ILE:HD11	1:80:B:ILE:HD13	2	0.39
(1,760)	1:80:B:ILE:HD11	1:80:B:ILE:HD13	3	0.39
(1,760)	1:80:B:ILE:HD12	1:80:B:ILE:HD13	4	0.39
(1,760)	1:80:B:ILE:HD12	1:80:B:ILE:HD11	5	0.39
(1,760)	1:80:B:ILE:HD12	1:80:B:ILE:HD13	6	0.39
(1,760)	1:80:B:ILE:HD12	1:80:B:ILE:HD11	7	0.39
(1,760)	1:80:B:ILE:HD12	1:80:B:ILE:HD11	8	0.39
(1,760)	1:80:B:ILE:HD12	1:80:B:ILE:HD13	9	0.39
(1,760)	1:80:B:ILE:HD12	1:80:B:ILE:HD13	10	0.39
(1,760)	1:80:B:ILE:HD11	1:80:B:ILE:HD13	11	0.39
(1,760)	1:80:B:ILE:HD12	1:80:B:ILE:HD11	12	0.39
(1,760)	1:80:B:ILE:HD12	1:80:B:ILE:HD11	13	0.39
(1,760)	1:80:B:ILE:HD12	1:80:B:ILE:HD11	14	0.39
(1,760)	1:80:B:ILE:HD12	1:80:B:ILE:HD13	15	0.39
(1,760)	1:80:B:ILE:HD11	1:80:B:ILE:HD13	16	0.39
(1,760)	1:80:B:ILE:HD12	1:80:B:ILE:HD11	17	0.39
(1,760)	1:80:B:ILE:HD12	1:80:B:ILE:HD11	18	0.39
(1,760)	1:80:B:ILE:HD12	1:80:B:ILE:HD11	19	0.39
(1,760)	1:80:B:ILE:HD12	1:80:B:ILE:HD11	20	0.39
(1,759)	1:80:A:ILE:HD12	1:80:A:ILE:HD11	1	0.39
(1,759)	1:80:A:ILE:HD11	1:80:A:ILE:HD13	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,759)	1:80:A:ILE:HD11	1:80:A:ILE:HD13	3	0.39
(1,759)	1:80:A:ILE:HD12	1:80:A:ILE:HD13	4	0.39
(1,759)	1:80:A:ILE:HD11	1:80:A:ILE:HD13	5	0.39
(1,759)	1:80:A:ILE:HD12	1:80:A:ILE:HD13	6	0.39
(1,759)	1:80:A:ILE:HD12	1:80:A:ILE:HD11	7	0.39
(1,759)	1:80:A:ILE:HD12	1:80:A:ILE:HD11	8	0.39
(1,759)	1:80:A:ILE:HD11	1:80:A:ILE:HD13	9	0.39
(1,759)	1:80:A:ILE:HD12	1:80:A:ILE:HD13	10	0.39
(1,759)	1:80:A:ILE:HD11	1:80:A:ILE:HD13	11	0.39
(1,759)	1:80:A:ILE:HD12	1:80:A:ILE:HD11	12	0.39
(1,759)	1:80:A:ILE:HD11	1:80:A:ILE:HD13	13	0.39
(1,759)	1:80:A:ILE:HD12	1:80:A:ILE:HD11	14	0.39
(1,759)	1:80:A:ILE:HD12	1:80:A:ILE:HD13	15	0.39
(1,759)	1:80:A:ILE:HD12	1:80:A:ILE:HD13	16	0.39
(1,759)	1:80:A:ILE:HD12	1:80:A:ILE:HD11	17	0.39
(1,759)	1:80:A:ILE:HD12	1:80:A:ILE:HD11	18	0.39
(1,759)	1:80:A:ILE:HD11	1:80:A:ILE:HD13	19	0.39
(1,759)	1:80:A:ILE:HD12	1:80:A:ILE:HD11	20	0.39
(1,699)	1:37:A:LEU:HD23	1:48:A:ILE:HG13	9	0.39
(1,610)	1:63:B:ALA:HB1	1:62:B:ASP:HB3	18	0.39
(1,609)	1:63:A:ALA:HB2	1:62:A:ASP:HB3	3	0.39
(1,465)	1:36:A:LEU:HD21	1:40:A:GLU:HG3	4	0.39
(1,390)	1:59:B:GLN:HG3	1:55:B:ASP:HB3	2	0.39
(1,389)	1:59:A:GLN:HG3	1:55:A:ASP:HB3	2	0.39
(1,330)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	10	0.39
(1,168)	1:39:B:LYS:HG3	1:39:B:LYS:HA	1	0.39
(1,167)	1:39:A:LYS:HG3	1:39:A:LYS:HA	1	0.39
(1,167)	1:39:A:LYS:HG3	1:39:A:LYS:HA	12	0.39
(1,124)	1:36:B:LEU:HD21	1:42:B:ALA:H	12	0.39
(1,123)	1:36:A:LEU:HD21	1:42:A:ALA:H	12	0.39
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD12	1	0.39
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD12	2	0.39
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD13	13	0.39
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD12	1	0.39
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD12	2	0.39
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD13	13	0.39
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG22	4	0.38
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG22	4	0.38
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG22	8	0.38
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG23	6	0.38
(1,3770)	1:54:B:ILE:H	1:48:B:ILE:HD11	18	0.38
(1,3769)	1:54:A:ILE:H	1:48:A:ILE:HD11	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3726)	1:41:B:LEU:H	1:48:B:ILE:HG13	1	0.38
(1,3726)	1:41:B:LEU:H	1:36:B:LEU:HG	19	0.38
(1,3726)	1:41:B:LEU:H	1:36:B:LEU:HG	20	0.38
(1,3725)	1:41:A:LEU:H	1:36:A:LEU:HG	19	0.38
(1,3725)	1:41:A:LEU:H	1:36:A:LEU:HG	20	0.38
(1,3706)	1:12:B:VAL:H	1:82:A:LEU:HG	2	0.38
(1,3696)	1:8:B:LEU:H	1:44:A:THR:HG22	1	0.38
(1,3696)	1:8:B:LEU:H	1:44:A:THR:HG22	3	0.38
(1,3694)	1:75:B:ILE:H	1:83:A:LYS:HG3	20	0.38
(1,3682)	1:86:B:HIS:H	1:83:B:LYS:HG2	15	0.38
(1,3681)	1:86:A:HIS:H	1:83:A:LYS:HG2	5	0.38
(1,3681)	1:86:A:HIS:H	1:83:A:LYS:HG2	15	0.38
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB3	17	0.38
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB3	17	0.38
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB1	18	0.38
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB3	19	0.38
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB3	19	0.38
(1,3626)	1:38:B:THR:H	1:54:B:ILE:HG12	4	0.38
(1,3625)	1:38:A:THR:H	1:54:A:ILE:HG12	4	0.38
(1,3622)	1:87:B:TYR:H	1:85:B:ALA:HB3	18	0.38
(1,3621)	1:87:A:TYR:H	1:85:A:ALA:HB3	18	0.38
(1,3614)	1:52:B:ALA:H	1:51:B:LYS:HD2	16	0.38
(1,3613)	1:52:A:ALA:H	1:51:A:LYS:HD2	16	0.38
(1,3604)	1:58:B:PHE:H	1:61:B:LEU:HB2	6	0.38
(1,3603)	1:58:A:PHE:H	1:61:A:LEU:HB2	6	0.38
(1,3596)	1:85:B:ALA:H	1:91:B:LYS:HB2	11	0.38
(1,3595)	1:85:A:ALA:H	1:91:A:LYS:HB2	11	0.38
(1,3548)	1:76:B:SER:H	1:73:B:GLU:HB3	9	0.38
(1,3547)	1:76:A:SER:H	1:73:A:GLU:HB3	9	0.38
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG3	19	0.38
(1,3478)	1:70:B:ASP:H	1:72:B:GLN:HG2	1	0.38
(1,3430)	1:56:B:GLU:H	1:51:B:LYS:HE2	16	0.38
(1,3429)	1:56:A:GLU:H	1:51:A:LYS:HE2	16	0.38
(1,3264)	1:12:B:VAL:H	1:10:B:GLY:H	10	0.38
(1,3263)	1:12:A:VAL:H	1:10:A:GLY:H	9	0.38
(1,3263)	1:12:A:VAL:H	1:10:A:GLY:H	10	0.38
(1,3212)	1:72:B:GLN:HB2	1:75:B:ILE:HD12	9	0.38
(1,3145)	1:88:A:HIS:HB2	1:12:B:VAL:HG22	9	0.38
(1,3116)	1:8:B:LEU:HG	1:6:B:GLU:HA	8	0.38
(1,3116)	1:8:B:LEU:HG	1:6:B:GLU:HA	18	0.38
(1,3115)	1:8:A:LEU:HG	1:6:A:GLU:HA	8	0.38
(1,3115)	1:8:A:LEU:HG	1:6:A:GLU:HA	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3114)	1:8:B:LEU:HG	1:6:B:GLU:HA	8	0.38
(1,3114)	1:8:B:LEU:HG	1:6:B:GLU:HA	18	0.38
(1,3113)	1:8:A:LEU:HG	1:6:A:GLU:HA	8	0.38
(1,3113)	1:8:A:LEU:HG	1:6:A:GLU:HA	18	0.38
(1,3072)	1:12:B:VAL:HG23	1:9:B:GLU:HA	12	0.38
(1,3071)	1:12:A:VAL:HG23	1:9:A:GLU:HA	12	0.38
(1,3046)	1:37:B:LEU:HD11	1:38:B:THR:HA	6	0.38
(1,3046)	1:37:B:LEU:HD12	1:38:B:THR:HA	12	0.38
(1,3046)	1:38:B:THR:HA	1:37:B:LEU:HD21	17	0.38
(1,3046)	1:37:B:LEU:HD13	1:38:B:THR:HA	20	0.38
(1,3045)	1:37:A:LEU:HD11	1:38:A:THR:HA	6	0.38
(1,3045)	1:37:A:LEU:HD12	1:38:A:THR:HA	12	0.38
(1,3045)	1:38:A:THR:HA	1:37:A:LEU:HD21	17	0.38
(1,3045)	1:37:A:LEU:HD13	1:38:A:THR:HA	20	0.38
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD11	15	0.38
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD11	15	0.38
(1,2914)	1:45:B:ILE:HG13	1:42:B:ALA:HA	4	0.38
(1,2914)	1:45:B:ILE:HG13	1:42:B:ALA:HA	9	0.38
(1,2913)	1:45:A:ILE:HG13	1:42:A:ALA:HA	4	0.38
(1,2892)	1:82:B:LEU:HG	1:78:B:VAL:HB	16	0.38
(1,2891)	1:82:A:LEU:HG	1:78:A:VAL:HB	16	0.38
(1,2891)	1:82:A:LEU:HG	1:78:A:VAL:HB	17	0.38
(1,2884)	1:83:B:LYS:HG3	1:82:B:LEU:HB2	5	0.38
(1,2883)	1:83:A:LYS:HG3	1:82:A:LEU:HB2	5	0.38
(1,2860)	1:53:B:VAL:HG13	1:46:B:LYS:HG3	15	0.38
(1,2856)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	12	0.38
(1,2856)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	17	0.38
(1,2856)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	20	0.38
(1,2855)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	12	0.38
(1,2855)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	17	0.38
(1,2812)	1:37:B:LEU:HD21	1:33:B:LEU:HG	5	0.38
(1,2812)	1:37:B:LEU:HD21	1:33:B:LEU:HG	20	0.38
(1,2811)	1:37:A:LEU:HD21	1:33:A:LEU:HG	5	0.38
(1,2811)	1:37:A:LEU:HD23	1:33:A:LEU:HG	15	0.38
(1,2811)	1:37:A:LEU:HD21	1:33:A:LEU:HG	20	0.38
(1,2780)	1:42:B:ALA:HB1	1:38:B:THR:HA	18	0.38
(1,2778)	1:81:B:ALA:HB2	1:44:B:THR:HB	18	0.38
(1,2777)	1:81:A:ALA:HB2	1:44:A:THR:HB	18	0.38
(1,2724)	1:84:B:ALA:HB1	1:91:B:LYS:HD3	9	0.38
(1,2723)	1:84:A:ALA:HB1	1:91:A:LYS:HD3	9	0.38
(1,2680)	1:49:B:LYS:HB2	1:47:B:ASN:HB3	3	0.38
(1,2680)	1:49:B:LYS:HB2	1:47:B:ASN:HB3	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2679)	1:49:A:LYS:HB2	1:47:A:ASN:HB3	3	0.38
(1,2670)	1:54:B:ILE:HB	1:51:B:LYS:HB3	18	0.38
(1,2669)	1:54:A:ILE:HB	1:51:A:LYS:HB3	18	0.38
(1,2663)	1:8:A:LEU:HD11	1:41:B:LEU:HB3	14	0.38
(1,2641)	1:33:A:LEU:HB3	1:34:A:LYS:HB2	12	0.38
(1,2582)	1:80:B:ILE:HB	1:81:B:ALA:HA	14	0.38
(1,2581)	1:80:A:ILE:HB	1:81:A:ALA:HA	14	0.38
(1,2517)	1:54:A:ILE:HB	1:56:A:GLU:HB2	4	0.38
(1,2508)	1:10:B:GLY:HA3	1:9:B:GLU:HB3	2	0.38
(1,2506)	1:61:B:LEU:HG	1:60:B:GLY:HA3	5	0.38
(1,2505)	1:61:A:LEU:HG	1:60:A:GLY:HA3	5	0.38
(1,2483)	1:54:A:ILE:HB	1:56:A:GLU:HB2	4	0.38
(1,2477)	1:55:A:ASP:HB3	1:56:A:GLU:HB2	3	0.38
(1,2471)	1:85:A:ALA:HA	1:8:B:LEU:HB3	8	0.38
(1,2388)	1:12:B:VAL:HB	1:13:B:ASN:HB2	15	0.38
(1,2368)	1:62:B:ASP:HB2	1:67:B:GLU:HB2	1	0.38
(1,2300)	1:53:B:VAL:HA	1:50:B:ASP:HB3	7	0.38
(1,2267)	1:75:A:ILE:HD12	1:83:B:LYS:HE3	10	0.38
(1,2264)	1:88:B:HIS:HB2	1:86:B:HIS:HB2	12	0.38
(1,2263)	1:88:A:HIS:HB2	1:86:A:HIS:HB2	12	0.38
(1,2262)	1:72:B:GLN:HG3	1:83:A:LYS:HE3	5	0.38
(1,2262)	1:72:B:GLN:HG3	1:83:A:LYS:HE2	18	0.38
(1,2261)	1:72:A:GLN:HG3	1:83:B:LYS:HE3	5	0.38
(1,2261)	1:72:A:GLN:HG3	1:83:B:LYS:HE2	18	0.38
(1,2240)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	10	0.38
(1,2238)	1:50:B:ASP:HB2	1:53:B:VAL:HA	10	0.38
(1,2237)	1:50:A:ASP:HB2	1:53:A:VAL:HA	10	0.38
(1,2237)	1:50:A:ASP:HB2	1:53:A:VAL:HA	19	0.38
(1,2226)	1:82:B:LEU:HD13	1:78:A:VAL:HA	12	0.38
(1,2225)	1:82:A:LEU:HD13	1:78:B:VAL:HA	12	0.38
(1,2210)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	10	0.38
(1,2180)	1:13:B:ASN:HB2	1:16:B:HIS:HB2	14	0.38
(1,2179)	1:13:A:ASN:HB2	1:16:A:HIS:HB2	14	0.38
(1,2166)	1:12:B:VAL:HG22	1:88:A:HIS:HB2	9	0.38
(1,2163)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	10	0.38
(1,2146)	1:79:B:ALA:HB2	1:80:B:ILE:HA	11	0.38
(1,2146)	1:79:B:ALA:HB3	1:80:B:ILE:HA	12	0.38
(1,2145)	1:79:A:ALA:HB3	1:80:A:ILE:HA	1	0.38
(1,2145)	1:79:A:ALA:HB2	1:80:A:ILE:HA	11	0.38
(1,2145)	1:79:A:ALA:HB3	1:80:A:ILE:HA	12	0.38
(1,2145)	1:79:A:ALA:HB2	1:80:A:ILE:HA	14	0.38
(1,2112)	1:80:B:ILE:HD11	1:76:B:SER:HB3	2	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2111)	1:80:A:ILE:HD11	1:76:A:SER:HB3	19	0.38
(1,2099)	1:8:A:LEU:HG	1:9:A:GLU:HA	4	0.38
(1,2040)	1:48:B:ILE:HD13	1:42:B:ALA:HA	14	0.38
(1,1893)	1:91:A:LYS:HG2	1:90:A:HIS:HA	5	0.38
(1,1887)	1:51:A:LYS:HD2	1:50:A:ASP:HA	14	0.38
(1,1887)	1:51:A:LYS:HD2	1:50:A:ASP:HA	19	0.38
(1,1853)	1:54:A:ILE:H	1:55:A:ASP:HB2	15	0.38
(1,1812)	1:44:B:THR:H	1:46:B:LYS:HA	9	0.38
(1,1811)	1:44:A:THR:H	1:46:A:LYS:HA	9	0.38
(1,1805)	1:57:A:ILE:HG22	1:61:A:LEU:H	2	0.38
(1,1750)	1:45:B:ILE:HG23	1:91:B:LYS:H	17	0.38
(1,1724)	1:80:B:ILE:HG23	1:8:A:LEU:HD11	19	0.38
(1,1694)	1:75:B:ILE:HD11	1:83:A:LYS:HE3	12	0.38
(1,1688)	1:12:B:VAL:HG22	1:82:A:LEU:HA	6	0.38
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG23	10	0.38
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG21	6	0.38
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG23	20	0.38
(1,1616)	1:9:B:GLU:H	1:44:A:THR:HG23	6	0.38
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB1	3	0.38
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB3	7	0.38
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB1	3	0.38
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB3	7	0.38
(1,808)	1:45:B:ILE:HD11	1:45:B:ILE:HD13	11	0.38
(1,808)	1:45:B:ILE:HD12	1:45:B:ILE:HD11	16	0.38
(1,807)	1:45:A:ILE:HD11	1:45:A:ILE:HD13	10	0.38
(1,807)	1:45:A:ILE:HD12	1:45:A:ILE:HD11	11	0.38
(1,807)	1:45:A:ILE:HD11	1:45:A:ILE:HD13	15	0.38
(1,610)	1:63:B:ALA:HB2	1:62:B:ASP:HB3	12	0.38
(1,610)	1:63:B:ALA:HB2	1:62:B:ASP:HB3	16	0.38
(1,609)	1:63:A:ALA:HB2	1:62:A:ASP:HB3	12	0.38
(1,466)	1:36:B:LEU:HD21	1:40:B:GLU:HG3	4	0.38
(1,396)	1:50:B:ASP:HB3	1:47:B:ASN:HB2	16	0.38
(1,395)	1:50:A:ASP:HB3	1:47:A:ASN:HB2	16	0.38
(1,332)	1:46:B:LYS:HE3	1:47:B:ASN:HB2	18	0.38
(1,331)	1:46:A:LYS:HE3	1:47:A:ASN:HB2	18	0.38
(1,329)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	10	0.38
(1,310)	1:53:B:VAL:HG22	1:54:B:ILE:HA	9	0.38
(1,309)	1:53:A:VAL:HG22	1:54:A:ILE:HA	9	0.38
(1,214)	1:37:B:LEU:HD13	1:33:B:LEU:HA	16	0.38
(1,213)	1:37:A:LEU:HD13	1:33:A:LEU:HA	16	0.38
(1,168)	1:39:B:LYS:HG3	1:39:B:LYS:HA	5	0.38
(1,168)	1:39:B:LYS:HG3	1:39:B:LYS:HA	19	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,167)	1:39:A:LYS:HG3	1:39:A:LYS:HA	5	0.38
(1,167)	1:39:A:LYS:HG3	1:39:A:LYS:HA	19	0.38
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG13	10	0.38
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG13	10	0.38
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD11	5	0.38
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD13	19	0.38
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD11	5	0.38
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD13	19	0.38
(1,3802)	1:10:B:GLY:H	1:12:B:VAL:HG21	3	0.37
(1,3802)	1:10:B:GLY:H	1:12:B:VAL:HG22	18	0.37
(1,3801)	1:10:A:GLY:H	1:12:A:VAL:HG21	3	0.37
(1,3801)	1:10:A:GLY:H	1:12:A:VAL:HG22	18	0.37
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG22	4	0.37
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG22	4	0.37
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG23	14	0.37
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG23	6	0.37
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG23	14	0.37
(1,3726)	1:41:B:LEU:H	1:48:B:ILE:HG13	18	0.37
(1,3725)	1:41:A:LEU:H	1:48:A:ILE:HG13	18	0.37
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG11	15	0.37
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG11	15	0.37
(1,3710)	1:44:B:THR:H	1:45:B:ILE:HG13	3	0.37
(1,3709)	1:44:A:THR:H	1:45:A:ILE:HG13	3	0.37
(1,3695)	1:8:A:LEU:H	1:44:B:THR:HG22	1	0.37
(1,3695)	1:8:A:LEU:H	1:44:B:THR:HG22	3	0.37
(1,3682)	1:86:B:HIS:H	1:83:B:LYS:HG2	5	0.37
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB1	18	0.37
(1,3614)	1:52:B:ALA:H	1:51:B:LYS:HD2	6	0.37
(1,3613)	1:52:A:ALA:H	1:51:A:LYS:HD2	6	0.37
(1,3612)	1:34:B:LYS:H	1:36:B:LEU:HB3	4	0.37
(1,3611)	1:34:A:LYS:H	1:36:A:LEU:HB3	4	0.37
(1,3606)	1:41:B:LEU:H	1:39:B:LYS:HG2	14	0.37
(1,3548)	1:76:B:SER:H	1:73:B:GLU:HB3	6	0.37
(1,3547)	1:76:A:SER:H	1:73:A:GLU:HB3	6	0.37
(1,3518)	1:10:B:GLY:H	1:9:B:GLU:HG2	3	0.37
(1,3517)	1:10:A:GLY:H	1:9:A:GLU:HG2	3	0.37
(1,3501)	1:67:A:GLU:H	1:66:A:ASP:HB3	16	0.37
(1,3494)	1:64:B:ASN:H	1:65:B:GLN:HB3	6	0.37
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG3	19	0.37
(1,3477)	1:70:A:ASP:H	1:72:A:GLN:HG2	1	0.37
(1,3452)	1:72:B:GLN:H	1:83:A:LYS:HE3	3	0.37
(1,3451)	1:72:A:GLN:H	1:83:B:LYS:HE3	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3422)	1:92:B:GLU:H	1:46:B:LYS:HE3	19	0.37
(1,3422)	1:92:B:GLU:H	1:90:B:HIS:HB2	20	0.37
(1,3421)	1:92:A:GLU:H	1:46:A:LYS:HE3	19	0.37
(1,3421)	1:92:A:GLU:H	1:90:A:HIS:HB2	20	0.37
(1,3286)	1:76:B:SER:H	1:72:B:GLN:H	9	0.37
(1,3285)	1:76:A:SER:H	1:72:A:GLN:H	9	0.37
(1,3236)	1:7:B:HIS:H	1:9:B:GLU:H	10	0.37
(1,3235)	1:7:A:HIS:H	1:9:A:GLU:H	10	0.37
(1,3230)	1:75:B:ILE:HD11	1:78:A:VAL:HG12	7	0.37
(1,3198)	1:75:B:ILE:HG21	1:75:B:ILE:HA	5	0.37
(1,3197)	1:75:A:ILE:HG21	1:75:A:ILE:HA	5	0.37
(1,3140)	1:53:B:VAL:HG21	1:56:B:GLU:HG3	15	0.37
(1,3132)	1:54:B:ILE:HG23	1:58:B:PHE:HB3	2	0.37
(1,3131)	1:54:A:ILE:HG23	1:58:A:PHE:HB3	2	0.37
(1,3119)	1:82:A:LEU:HA	1:8:B:LEU:HD23	12	0.37
(1,3116)	1:8:B:LEU:HG	1:6:B:GLU:HA	14	0.37
(1,3114)	1:8:B:LEU:HG	1:6:B:GLU:HA	14	0.37
(1,3076)	1:85:B:ALA:HA	1:12:A:VAL:HG22	4	0.37
(1,3036)	1:9:B:GLU:HG2	1:12:B:VAL:HG12	13	0.37
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG12	10	0.37
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG12	10	0.37
(1,2984)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	7	0.37
(1,2983)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	7	0.37
(1,2954)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	9	0.37
(1,2953)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	9	0.37
(1,2884)	1:83:B:LYS:HG2	1:82:B:LEU:HB2	7	0.37
(1,2883)	1:83:A:LYS:HG2	1:82:A:LEU:HB2	7	0.37
(1,2868)	1:77:B:LEU:HA	1:80:B:ILE:HG12	13	0.37
(1,2867)	1:77:A:LEU:HA	1:80:A:ILE:HG12	13	0.37
(1,2859)	1:53:A:VAL:HG13	1:46:A:LYS:HG3	15	0.37
(1,2856)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	3	0.37
(1,2856)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	7	0.37
(1,2856)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	13	0.37
(1,2855)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	3	0.37
(1,2855)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	7	0.37
(1,2855)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	13	0.37
(1,2780)	1:42:B:ALA:HB2	1:38:B:THR:HA	14	0.37
(1,2779)	1:42:A:ALA:HB2	1:38:A:THR:HA	14	0.37
(1,2779)	1:42:A:ALA:HB1	1:38:A:THR:HA	18	0.37
(1,2688)	1:30:B:LYS:HD3	1:51:B:LYS:HD2	2	0.37
(1,2687)	1:30:A:LYS:HD3	1:51:A:LYS:HD2	2	0.37
(1,2679)	1:49:A:LYS:HB2	1:47:A:ASN:HB3	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2664)	1:8:B:LEU:HD12	1:41:A:LEU:HB3	9	0.37
(1,2664)	1:8:B:LEU:HD13	1:41:A:LEU:HB3	10	0.37
(1,2663)	1:8:A:LEU:HD12	1:41:B:LEU:HB3	9	0.37
(1,2630)	1:81:B:ALA:HB1	1:80:B:ILE:HB	17	0.37
(1,2629)	1:81:A:ALA:HB1	1:80:A:ILE:HB	17	0.37
(1,2596)	1:85:B:ALA:HB3	1:9:A:GLU:HB3	4	0.37
(1,2595)	1:85:A:ALA:HB3	1:9:B:GLU:HB3	4	0.37
(1,2582)	1:80:B:ILE:HB	1:81:B:ALA:HA	17	0.37
(1,2582)	1:80:B:ILE:HB	1:81:B:ALA:HA	18	0.37
(1,2581)	1:80:A:ILE:HB	1:81:A:ALA:HA	17	0.37
(1,2581)	1:80:A:ILE:HB	1:81:A:ALA:HA	18	0.37
(1,2519)	1:7:A:HIS:HB2	1:6:A:GLU:HB3	14	0.37
(1,2518)	1:54:B:ILE:HB	1:56:B:GLU:HB2	13	0.37
(1,2517)	1:54:A:ILE:HB	1:56:A:GLU:HB2	13	0.37
(1,2507)	1:10:A:GLY:HA3	1:9:A:GLU:HB2	18	0.37
(1,2496)	1:32:B:GLU:HG2	1:35:B:GLN:HB2	12	0.37
(1,2495)	1:32:A:GLU:HG2	1:35:A:GLN:HB2	12	0.37
(1,2484)	1:54:B:ILE:HB	1:56:B:GLU:HB2	13	0.37
(1,2483)	1:54:A:ILE:HB	1:56:A:GLU:HB2	13	0.37
(1,2478)	1:55:B:ASP:HB3	1:56:B:GLU:HB2	11	0.37
(1,2478)	1:55:B:ASP:HB3	1:56:B:GLU:HB2	13	0.37
(1,2477)	1:55:A:ASP:HB3	1:56:A:GLU:HB2	8	0.37
(1,2477)	1:55:A:ASP:HB3	1:56:A:GLU:HB2	11	0.37
(1,2477)	1:55:A:ASP:HB3	1:56:A:GLU:HB2	13	0.37
(1,2475)	1:33:A:LEU:HB2	1:32:A:GLU:HG3	16	0.37
(1,2430)	1:67:B:GLU:HG3	1:59:B:GLN:HG2	5	0.37
(1,2394)	1:67:B:GLU:HG3	1:59:B:GLN:HG2	5	0.37
(1,2367)	1:62:A:ASP:HB2	1:67:A:GLU:HB2	1	0.37
(1,2316)	1:32:B:GLU:HG2	1:35:B:GLN:HB2	12	0.37
(1,2315)	1:32:A:GLU:HG2	1:35:A:GLN:HB2	12	0.37
(1,2300)	1:53:B:VAL:HA	1:50:B:ASP:HB3	3	0.37
(1,2299)	1:53:A:VAL:HA	1:50:A:ASP:HB3	7	0.37
(1,2268)	1:75:B:ILE:HD12	1:83:A:LYS:HE3	17	0.37
(1,2267)	1:75:A:ILE:HD12	1:83:B:LYS:HE3	17	0.37
(1,2264)	1:88:B:HIS:HB3	1:86:B:HIS:HB2	5	0.37
(1,2263)	1:88:A:HIS:HB3	1:86:A:HIS:HB2	5	0.37
(1,2260)	1:72:B:GLN:HA	1:75:B:ILE:HA	7	0.37
(1,2260)	1:72:B:GLN:HA	1:75:B:ILE:HA	12	0.37
(1,2259)	1:72:A:GLN:HA	1:75:A:ILE:HA	7	0.37
(1,2259)	1:72:A:GLN:HA	1:75:A:ILE:HA	12	0.37
(1,2257)	1:80:A:ILE:HD11	1:78:A:VAL:HA	2	0.37
(1,2257)	1:80:A:ILE:HD13	1:78:A:VAL:HA	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2238)	1:50:B:ASP:HB2	1:53:B:VAL:HA	19	0.37
(1,2222)	1:30:B:LYS:HB2	1:58:B:PHE:HB3	3	0.37
(1,2198)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	8	0.37
(1,2198)	1:30:B:LYS:HE3	1:51:B:LYS:HE2	9	0.37
(1,2197)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	8	0.37
(1,2197)	1:30:A:LYS:HE3	1:51:A:LYS:HE2	9	0.37
(1,2192)	1:46:B:LYS:HE3	1:90:B:HIS:HB2	8	0.37
(1,2191)	1:46:A:LYS:HE3	1:90:A:HIS:HB2	8	0.37
(1,2146)	1:79:B:ALA:HB3	1:80:B:ILE:HA	1	0.37
(1,2146)	1:79:B:ALA:HB2	1:80:B:ILE:HA	14	0.37
(1,2146)	1:79:B:ALA:HB3	1:80:B:ILE:HA	18	0.37
(1,2145)	1:79:A:ALA:HB3	1:80:A:ILE:HA	18	0.37
(1,2112)	1:80:B:ILE:HD11	1:76:B:SER:HB3	13	0.37
(1,2112)	1:80:B:ILE:HD11	1:76:B:SER:HB3	19	0.37
(1,2111)	1:80:A:ILE:HD11	1:76:A:SER:HB3	2	0.37
(1,2100)	1:8:B:LEU:HG	1:9:B:GLU:HA	3	0.37
(1,2100)	1:8:B:LEU:HG	1:9:B:GLU:HA	4	0.37
(1,2099)	1:8:A:LEU:HG	1:9:A:GLU:HA	3	0.37
(1,2068)	1:48:B:ILE:HA	1:38:B:THR:HB	1	0.37
(1,2067)	1:48:A:ILE:HA	1:38:A:THR:HB	1	0.37
(1,2040)	1:48:B:ILE:HD12	1:42:B:ALA:HA	9	0.37
(1,2039)	1:48:A:ILE:HD12	1:42:A:ALA:HA	9	0.37
(1,1900)	1:44:B:THR:HG22	1:88:B:HIS:HA	16	0.37
(1,1899)	1:44:A:THR:HG22	1:88:A:HIS:HA	16	0.37
(1,1896)	1:12:B:VAL:HG22	1:13:B:ASN:HA	17	0.37
(1,1895)	1:12:A:VAL:HG23	1:13:A:ASN:HA	17	0.37
(1,1894)	1:91:B:LYS:HG2	1:90:B:HIS:HA	1	0.37
(1,1893)	1:91:A:LYS:HG2	1:90:A:HIS:HA	1	0.37
(1,1888)	1:51:B:LYS:HD2	1:50:B:ASP:HA	14	0.37
(1,1822)	1:41:B:LEU:H	1:48:B:ILE:HG12	11	0.37
(1,1821)	1:41:A:LEU:H	1:48:A:ILE:HG12	11	0.37
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD23	11	0.37
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD23	11	0.37
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD11	17	0.37
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD11	17	0.37
(1,1724)	1:80:B:ILE:HG23	1:8:A:LEU:HD13	7	0.37
(1,1723)	1:80:A:ILE:HG23	1:8:B:LEU:HD13	7	0.37
(1,1723)	1:80:A:ILE:HG21	1:8:B:LEU:HD12	16	0.37
(1,1723)	1:80:A:ILE:HG23	1:8:B:LEU:HD11	19	0.37
(1,1696)	1:83:B:LYS:HE3	1:71:A:PHE:HB2	3	0.37
(1,1687)	1:12:A:VAL:HG22	1:82:B:LEU:HA	6	0.37
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG21	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG21	11	0.37
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG21	11	0.37
(1,1615)	1:9:A:GLU:H	1:44:B:THR:HG23	6	0.37
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD12	17	0.37
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD12	17	0.37
(1,1471)	1:63:A:ALA:H	1:73:A:GLU:HB3	11	0.37
(1,808)	1:45:B:ILE:HD11	1:45:B:ILE:HD13	1	0.37
(1,808)	1:45:B:ILE:HD11	1:45:B:ILE:HD13	2	0.37
(1,808)	1:45:B:ILE:HD12	1:45:B:ILE:HD11	3	0.37
(1,808)	1:45:B:ILE:HD12	1:45:B:ILE:HD11	4	0.37
(1,808)	1:45:B:ILE:HD12	1:45:B:ILE:HD13	5	0.37
(1,808)	1:45:B:ILE:HD12	1:45:B:ILE:HD11	6	0.37
(1,808)	1:45:B:ILE:HD12	1:45:B:ILE:HD13	7	0.37
(1,808)	1:45:B:ILE:HD11	1:45:B:ILE:HD13	8	0.37
(1,808)	1:45:B:ILE:HD11	1:45:B:ILE:HD13	9	0.37
(1,808)	1:45:B:ILE:HD12	1:45:B:ILE:HD13	10	0.37
(1,808)	1:45:B:ILE:HD11	1:45:B:ILE:HD13	12	0.37
(1,808)	1:45:B:ILE:HD12	1:45:B:ILE:HD11	13	0.37
(1,808)	1:45:B:ILE:HD11	1:45:B:ILE:HD13	14	0.37
(1,808)	1:45:B:ILE:HD12	1:45:B:ILE:HD13	15	0.37
(1,808)	1:45:B:ILE:HD11	1:45:B:ILE:HD13	17	0.37
(1,808)	1:45:B:ILE:HD11	1:45:B:ILE:HD13	18	0.37
(1,808)	1:45:B:ILE:HD11	1:45:B:ILE:HD13	19	0.37
(1,808)	1:45:B:ILE:HD11	1:45:B:ILE:HD13	20	0.37
(1,807)	1:45:A:ILE:HD11	1:45:A:ILE:HD13	1	0.37
(1,807)	1:45:A:ILE:HD11	1:45:A:ILE:HD13	2	0.37
(1,807)	1:45:A:ILE:HD12	1:45:A:ILE:HD11	3	0.37
(1,807)	1:45:A:ILE:HD11	1:45:A:ILE:HD13	4	0.37
(1,807)	1:45:A:ILE:HD12	1:45:A:ILE:HD13	5	0.37
(1,807)	1:45:A:ILE:HD12	1:45:A:ILE:HD11	6	0.37
(1,807)	1:45:A:ILE:HD12	1:45:A:ILE:HD11	7	0.37
(1,807)	1:45:A:ILE:HD12	1:45:A:ILE:HD11	8	0.37
(1,807)	1:45:A:ILE:HD11	1:45:A:ILE:HD13	9	0.37
(1,807)	1:45:A:ILE:HD12	1:45:A:ILE:HD11	12	0.37
(1,807)	1:45:A:ILE:HD12	1:45:A:ILE:HD13	13	0.37
(1,807)	1:45:A:ILE:HD11	1:45:A:ILE:HD13	14	0.37
(1,807)	1:45:A:ILE:HD12	1:45:A:ILE:HD13	16	0.37
(1,807)	1:45:A:ILE:HD12	1:45:A:ILE:HD13	17	0.37
(1,807)	1:45:A:ILE:HD12	1:45:A:ILE:HD11	18	0.37
(1,807)	1:45:A:ILE:HD11	1:45:A:ILE:HD13	19	0.37
(1,807)	1:45:A:ILE:HD12	1:45:A:ILE:HD11	20	0.37
(1,798)	1:48:B:ILE:HD12	1:48:B:ILE:HD13	1	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,798)	1:48:B:ILE:HD11	1:48:B:ILE:HD13	2	0.37
(1,798)	1:48:B:ILE:HD11	1:48:B:ILE:HD13	3	0.37
(1,798)	1:48:B:ILE:HD11	1:48:B:ILE:HD13	4	0.37
(1,798)	1:48:B:ILE:HD12	1:48:B:ILE:HD13	5	0.37
(1,798)	1:48:B:ILE:HD12	1:48:B:ILE:HD11	6	0.37
(1,798)	1:48:B:ILE:HD12	1:48:B:ILE:HD13	7	0.37
(1,798)	1:48:B:ILE:HD12	1:48:B:ILE:HD13	8	0.37
(1,798)	1:48:B:ILE:HD12	1:48:B:ILE:HD11	9	0.37
(1,798)	1:48:B:ILE:HD12	1:48:B:ILE:HD13	10	0.37
(1,798)	1:48:B:ILE:HD12	1:48:B:ILE:HD11	11	0.37
(1,798)	1:48:B:ILE:HD11	1:48:B:ILE:HD13	12	0.37
(1,798)	1:48:B:ILE:HD12	1:48:B:ILE:HD13	13	0.37
(1,798)	1:48:B:ILE:HD12	1:48:B:ILE:HD13	14	0.37
(1,798)	1:48:B:ILE:HD12	1:48:B:ILE:HD11	15	0.37
(1,798)	1:48:B:ILE:HD11	1:48:B:ILE:HD13	16	0.37
(1,798)	1:48:B:ILE:HD12	1:48:B:ILE:HD13	17	0.37
(1,798)	1:48:B:ILE:HD12	1:48:B:ILE:HD13	18	0.37
(1,798)	1:48:B:ILE:HD12	1:48:B:ILE:HD13	19	0.37
(1,798)	1:48:B:ILE:HD11	1:48:B:ILE:HD13	20	0.37
(1,797)	1:48:A:ILE:HD11	1:48:A:ILE:HD13	1	0.37
(1,797)	1:48:A:ILE:HD11	1:48:A:ILE:HD13	2	0.37
(1,797)	1:48:A:ILE:HD11	1:48:A:ILE:HD13	3	0.37
(1,797)	1:48:A:ILE:HD11	1:48:A:ILE:HD13	4	0.37
(1,797)	1:48:A:ILE:HD12	1:48:A:ILE:HD13	5	0.37
(1,797)	1:48:A:ILE:HD11	1:48:A:ILE:HD13	6	0.37
(1,797)	1:48:A:ILE:HD12	1:48:A:ILE:HD13	7	0.37
(1,797)	1:48:A:ILE:HD12	1:48:A:ILE:HD13	8	0.37
(1,797)	1:48:A:ILE:HD11	1:48:A:ILE:HD13	9	0.37
(1,797)	1:48:A:ILE:HD12	1:48:A:ILE:HD13	10	0.37
(1,797)	1:48:A:ILE:HD12	1:48:A:ILE:HD11	11	0.37
(1,797)	1:48:A:ILE:HD12	1:48:A:ILE:HD13	12	0.37
(1,797)	1:48:A:ILE:HD12	1:48:A:ILE:HD13	13	0.37
(1,797)	1:48:A:ILE:HD12	1:48:A:ILE:HD13	14	0.37
(1,797)	1:48:A:ILE:HD11	1:48:A:ILE:HD13	15	0.37
(1,797)	1:48:A:ILE:HD11	1:48:A:ILE:HD13	16	0.37
(1,797)	1:48:A:ILE:HD11	1:48:A:ILE:HD13	17	0.37
(1,797)	1:48:A:ILE:HD12	1:48:A:ILE:HD13	18	0.37
(1,797)	1:48:A:ILE:HD11	1:48:A:ILE:HD13	19	0.37
(1,797)	1:48:A:ILE:HD12	1:48:A:ILE:HD13	20	0.37
(1,650)	1:49:B:LYS:HG2	1:49:B:LYS:HA	9	0.37
(1,649)	1:49:A:LYS:HG2	1:49:A:LYS:HA	9	0.37
(1,646)	1:48:B:ILE:HG12	1:48:B:ILE:HA	16	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:63:A:ALA:HB2	1:62:A:ASP:HB3	16	0.37
(1,572)	1:49:B:LYS:HB3	1:49:B:LYS:HD2	11	0.37
(1,571)	1:49:A:LYS:HB3	1:49:A:LYS:HD2	11	0.37
(1,466)	1:36:B:LEU:HD23	1:40:B:GLU:HG3	14	0.37
(1,466)	1:36:B:LEU:HD23	1:40:B:GLU:HG3	18	0.37
(1,242)	1:53:B:VAL:HG22	1:48:B:ILE:HA	15	0.37
(1,242)	1:53:B:VAL:HG22	1:48:B:ILE:HA	19	0.37
(1,241)	1:53:A:VAL:HG22	1:48:A:ILE:HA	15	0.37
(1,241)	1:53:A:VAL:HG22	1:48:A:ILE:HA	19	0.37
(1,203)	1:80:A:ILE:HD13	1:76:A:SER:HA	10	0.37
(1,168)	1:39:B:LYS:HG3	1:39:B:LYS:HA	7	0.37
(1,168)	1:39:B:LYS:HG3	1:39:B:LYS:HA	9	0.37
(1,168)	1:39:B:LYS:HG3	1:39:B:LYS:HA	14	0.37
(1,168)	1:39:B:LYS:HG3	1:39:B:LYS:HA	18	0.37
(1,167)	1:39:A:LYS:HG3	1:39:A:LYS:HA	7	0.37
(1,167)	1:39:A:LYS:HG3	1:39:A:LYS:HA	9	0.37
(1,167)	1:39:A:LYS:HG3	1:39:A:LYS:HA	14	0.37
(1,167)	1:39:A:LYS:HG3	1:39:A:LYS:HA	18	0.37
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG21	1	0.36
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG21	1	0.36
(1,3802)	1:10:B:GLY:H	1:12:B:VAL:HG21	11	0.36
(1,3801)	1:10:A:GLY:H	1:12:A:VAL:HG21	11	0.36
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG22	8	0.36
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG21	8	0.36
(1,3774)	1:55:B:ASP:H	1:54:B:ILE:HG23	18	0.36
(1,3770)	1:41:B:LEU:H	1:48:B:ILE:HG22	15	0.36
(1,3726)	1:41:B:LEU:H	1:48:B:ILE:HG13	16	0.36
(1,3725)	1:41:A:LEU:H	1:48:A:ILE:HG13	16	0.36
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG13	13	0.36
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG13	18	0.36
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG13	13	0.36
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG13	18	0.36
(1,3716)	1:15:B:PHE:H	1:36:B:LEU:HG	8	0.36
(1,3716)	1:15:B:PHE:H	1:36:B:LEU:HG	10	0.36
(1,3715)	1:15:A:PHE:H	1:36:A:LEU:HG	8	0.36
(1,3715)	1:15:A:PHE:H	1:36:A:LEU:HG	10	0.36
(1,3709)	1:44:A:THR:H	1:45:A:ILE:HG13	10	0.36
(1,3700)	1:84:B:ALA:H	1:44:B:THR:HG22	18	0.36
(1,3699)	1:84:A:ALA:H	1:44:A:THR:HG22	18	0.36
(1,3694)	1:75:B:ILE:H	1:83:A:LYS:HG2	1	0.36
(1,3694)	1:75:B:ILE:H	1:83:A:LYS:HG2	17	0.36
(1,3693)	1:75:A:ILE:H	1:83:B:LYS:HG2	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3693)	1:75:A:ILE:H	1:83:B:LYS:HG2	17	0.36
(1,3692)	1:75:B:ILE:H	1:61:B:LEU:HB3	9	0.36
(1,3691)	1:75:A:ILE:H	1:61:A:LEU:HB3	9	0.36
(1,3684)	1:43:B:ASN:H	1:45:B:ILE:HG13	3	0.36
(1,3683)	1:43:A:ASN:H	1:45:A:ILE:HG13	3	0.36
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB2	7	0.36
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB2	7	0.36
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB3	13	0.36
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB3	13	0.36
(1,3621)	1:87:A:TYR:H	1:85:A:ALA:HB3	16	0.36
(1,3614)	1:52:B:ALA:H	1:51:B:LYS:HD2	14	0.36
(1,3613)	1:52:A:ALA:H	1:51:A:LYS:HD2	14	0.36
(1,3612)	1:34:B:LYS:H	1:36:B:LEU:HB3	17	0.36
(1,3611)	1:34:A:LYS:H	1:36:A:LEU:HB3	17	0.36
(1,3607)	1:43:A:ASN:H	1:49:A:LYS:HD3	13	0.36
(1,3605)	1:41:A:LEU:H	1:39:A:LYS:HG2	14	0.36
(1,3604)	1:58:B:PHE:H	1:61:B:LEU:HB2	7	0.36
(1,3502)	1:67:B:GLU:H	1:66:B:ASP:HB3	16	0.36
(1,3493)	1:64:A:ASN:H	1:65:A:GLN:HB3	6	0.36
(1,3478)	1:70:B:ASP:H	1:72:B:GLN:HG2	2	0.36
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB2	20	0.36
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB2	12	0.36
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB2	20	0.36
(1,3421)	1:92:A:GLU:H	1:90:A:HIS:HB2	12	0.36
(1,3418)	1:10:B:GLY:H	1:7:B:HIS:HB2	12	0.36
(1,3417)	1:10:A:GLY:H	1:7:A:HIS:HB2	12	0.36
(1,3322)	1:60:B:GLY:H	1:61:B:LEU:HA	3	0.36
(1,3322)	1:60:B:GLY:H	1:61:B:LEU:HA	10	0.36
(1,3322)	1:60:B:GLY:H	1:61:B:LEU:HA	12	0.36
(1,3322)	1:60:B:GLY:H	1:61:B:LEU:HA	15	0.36
(1,3321)	1:60:A:GLY:H	1:61:A:LEU:HA	3	0.36
(1,3321)	1:60:A:GLY:H	1:61:A:LEU:HA	10	0.36
(1,3321)	1:60:A:GLY:H	1:61:A:LEU:HA	12	0.36
(1,3321)	1:60:A:GLY:H	1:61:A:LEU:HA	15	0.36
(1,3236)	1:7:B:HIS:H	1:9:B:GLU:H	8	0.36
(1,3235)	1:7:A:HIS:H	1:9:A:GLU:H	8	0.36
(1,3178)	1:45:B:ILE:HG21	1:91:B:LYS:HE2	3	0.36
(1,3177)	1:45:A:ILE:HG21	1:91:A:LYS:HE2	3	0.36
(1,3115)	1:8:A:LEU:HG	1:6:A:GLU:HA	14	0.36
(1,3113)	1:8:A:LEU:HG	1:6:A:GLU:HA	14	0.36
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG21	10	0.36
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG21	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3075)	1:85:A:ALA:HA	1:12:B:VAL:HG22	4	0.36
(1,3046)	1:37:B:LEU:HD12	1:38:B:THR:HA	15	0.36
(1,3045)	1:37:A:LEU:HD12	1:38:A:THR:HA	15	0.36
(1,3035)	1:9:A:GLU:HG2	1:12:A:VAL:HG12	13	0.36
(1,2956)	1:74:B:PHE:HB2	1:61:B:LEU:HB3	7	0.36
(1,2955)	1:74:A:PHE:HB2	1:61:A:LEU:HB3	7	0.36
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD11	5	0.36
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD11	5	0.36
(1,2892)	1:82:B:LEU:HG	1:78:B:VAL:HB	1	0.36
(1,2892)	1:82:B:LEU:HG	1:78:B:VAL:HB	5	0.36
(1,2891)	1:82:A:LEU:HG	1:78:A:VAL:HB	1	0.36
(1,2891)	1:82:A:LEU:HG	1:78:A:VAL:HB	5	0.36
(1,2868)	1:77:B:LEU:HA	1:80:B:ILE:HG12	2	0.36
(1,2867)	1:77:A:LEU:HA	1:80:A:ILE:HG12	2	0.36
(1,2856)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	10	0.36
(1,2856)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	15	0.36
(1,2856)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	19	0.36
(1,2855)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	10	0.36
(1,2855)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	15	0.36
(1,2855)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	19	0.36
(1,2846)	1:74:B:PHE:HB2	1:77:B:LEU:HB3	17	0.36
(1,2845)	1:74:A:PHE:HB2	1:77:A:LEU:HB3	17	0.36
(1,2843)	1:42:A:ALA:HB1	1:43:A:ASN:HB3	8	0.36
(1,2750)	1:32:B:GLU:HG2	1:33:B:LEU:HB3	7	0.36
(1,2750)	1:32:B:GLU:HG2	1:33:B:LEU:HB3	13	0.36
(1,2749)	1:32:A:GLU:HG2	1:33:A:LEU:HB3	7	0.36
(1,2749)	1:32:A:GLU:HG2	1:33:A:LEU:HB3	13	0.36
(1,2680)	1:49:B:LYS:HB2	1:47:B:ASN:HB3	6	0.36
(1,2679)	1:49:A:LYS:HB2	1:47:A:ASN:HB3	6	0.36
(1,2663)	1:8:A:LEU:HD11	1:41:B:LEU:HB3	16	0.36
(1,2648)	1:67:B:GLU:HG2	1:68:B:GLN:HB2	8	0.36
(1,2647)	1:67:A:GLU:HG2	1:68:A:GLN:HB2	8	0.36
(1,2642)	1:33:B:LEU:HB3	1:34:B:LYS:HB2	8	0.36
(1,2641)	1:33:A:LEU:HB3	1:34:A:LYS:HB2	8	0.36
(1,2592)	1:89:B:THR:HG23	1:83:B:LYS:HB3	19	0.36
(1,2591)	1:89:A:THR:HG23	1:83:A:LYS:HB3	19	0.36
(1,2582)	1:80:B:ILE:HB	1:81:B:ALA:HA	2	0.36
(1,2582)	1:80:B:ILE:HB	1:81:B:ALA:HA	13	0.36
(1,2581)	1:80:A:ILE:HB	1:81:A:ALA:HA	2	0.36
(1,2581)	1:80:A:ILE:HB	1:81:A:ALA:HA	13	0.36
(1,2581)	1:80:A:ILE:HB	1:81:A:ALA:HA	16	0.36
(1,2530)	1:53:B:VAL:HG12	1:56:B:GLU:HB2	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2529)	1:53:A:VAL:HG12	1:56:A:GLU:HB2	14	0.36
(1,2520)	1:7:B:HIS:HB2	1:6:B:GLU:HB3	14	0.36
(1,2518)	1:54:B:ILE:HB	1:56:B:GLU:HB2	1	0.36
(1,2517)	1:54:A:ILE:HB	1:56:A:GLU:HB2	1	0.36
(1,2517)	1:54:A:ILE:HB	1:56:A:GLU:HB2	6	0.36
(1,2508)	1:10:B:GLY:HA3	1:9:B:GLU:HB2	17	0.36
(1,2508)	1:10:B:GLY:HA3	1:9:B:GLU:HB2	18	0.36
(1,2507)	1:10:A:GLY:HA3	1:9:A:GLU:HB2	4	0.36
(1,2506)	1:61:B:LEU:HG	1:60:B:GLY:HA3	3	0.36
(1,2505)	1:61:A:LEU:HG	1:60:A:GLY:HA3	3	0.36
(1,2484)	1:54:B:ILE:HB	1:56:B:GLU:HB2	1	0.36
(1,2483)	1:54:A:ILE:HB	1:56:A:GLU:HB2	1	0.36
(1,2483)	1:54:A:ILE:HB	1:56:A:GLU:HB2	6	0.36
(1,2480)	1:62:B:ASP:HB3	1:59:B:GLN:HB3	15	0.36
(1,2479)	1:62:A:ASP:HB3	1:59:A:GLN:HB3	15	0.36
(1,2478)	1:55:B:ASP:HB3	1:56:B:GLU:HB2	2	0.36
(1,2478)	1:55:B:ASP:HB3	1:56:B:GLU:HB2	8	0.36
(1,2477)	1:55:A:ASP:HB3	1:56:A:GLU:HB2	2	0.36
(1,2476)	1:33:B:LEU:HB2	1:32:B:GLU:HG3	16	0.36
(1,2429)	1:67:A:GLU:HG3	1:59:A:GLN:HG2	5	0.36
(1,2426)	1:67:B:GLU:HG3	1:30:B:LYS:HE3	14	0.36
(1,2425)	1:67:A:GLU:HG3	1:30:A:LYS:HE3	14	0.36
(1,2393)	1:67:A:GLU:HG3	1:59:A:GLN:HG2	5	0.36
(1,2301)	1:51:A:LYS:HE2	1:55:A:ASP:HB2	9	0.36
(1,2299)	1:53:A:VAL:HA	1:50:A:ASP:HB3	3	0.36
(1,2269)	1:86:A:HIS:HB2	1:83:A:LYS:HA	12	0.36
(1,2263)	1:88:A:HIS:HB3	1:86:A:HIS:HB2	10	0.36
(1,2258)	1:80:B:ILE:HD11	1:78:B:VAL:HA	2	0.36
(1,2258)	1:80:B:ILE:HD13	1:78:B:VAL:HA	6	0.36
(1,2233)	1:89:A:THR:HG23	1:83:A:LYS:HE2	10	0.36
(1,2221)	1:30:A:LYS:HB2	1:58:A:PHE:HB3	3	0.36
(1,2202)	1:8:B:LEU:HD13	1:78:A:VAL:HA	2	0.36
(1,2201)	1:8:A:LEU:HD13	1:78:B:VAL:HA	2	0.36
(1,2163)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	3	0.36
(1,2163)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	18	0.36
(1,2146)	1:79:B:ALA:HB1	1:80:B:ILE:HA	20	0.36
(1,2145)	1:79:A:ALA:HB1	1:80:A:ILE:HA	4	0.36
(1,2145)	1:79:A:ALA:HB1	1:80:A:ILE:HA	20	0.36
(1,2111)	1:80:A:ILE:HD11	1:76:A:SER:HB3	13	0.36
(1,2100)	1:8:B:LEU:HG	1:9:B:GLU:HA	11	0.36
(1,2099)	1:8:A:LEU:HG	1:9:A:GLU:HA	11	0.36
(1,2060)	1:83:B:LYS:HD3	1:79:B:ALA:HA	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2059)	1:83:A:LYS:HD3	1:79:A:ALA:HA	2	0.36
(1,2058)	1:73:B:GLU:HB3	1:74:B:PHE:HA	9	0.36
(1,2057)	1:73:A:GLU:HB3	1:74:A:PHE:HA	9	0.36
(1,1893)	1:91:A:LYS:HG2	1:90:A:HIS:HA	3	0.36
(1,1812)	1:44:B:THR:H	1:46:B:LYS:HA	4	0.36
(1,1811)	1:44:A:THR:H	1:46:A:LYS:HA	4	0.36
(1,1811)	1:44:A:THR:H	1:46:A:LYS:HA	10	0.36
(1,1803)	1:85:A:ALA:HB1	1:12:B:VAL:H	12	0.36
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD23	3	0.36
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD21	12	0.36
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD23	14	0.36
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD23	3	0.36
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD21	12	0.36
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD23	14	0.36
(1,1744)	1:63:B:ALA:H	1:61:B:LEU:HG	20	0.36
(1,1743)	1:63:A:ALA:H	1:61:A:LEU:HG	20	0.36
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD11	19	0.36
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD11	19	0.36
(1,1724)	1:80:B:ILE:HG23	1:8:A:LEU:HD13	15	0.36
(1,1724)	1:80:B:ILE:HG21	1:8:A:LEU:HD12	16	0.36
(1,1704)	1:8:B:LEU:HG	1:45:A:ILE:HG13	20	0.36
(1,1703)	1:8:A:LEU:HG	1:45:B:ILE:HG13	20	0.36
(1,1695)	1:83:A:LYS:HE3	1:71:B:PHE:HB2	3	0.36
(1,1694)	1:75:B:ILE:HD12	1:83:A:LYS:HE3	9	0.36
(1,1693)	1:75:A:ILE:HD12	1:83:B:LYS:HE3	9	0.36
(1,1693)	1:75:A:ILE:HD11	1:83:B:LYS:HE3	12	0.36
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG23	7	0.36
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG23	7	0.36
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG21	8	0.36
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB3	17	0.36
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB3	17	0.36
(1,1500)	1:83:B:LYS:H	1:83:B:LYS:HB3	20	0.36
(1,1499)	1:83:A:LYS:H	1:83:A:LYS:HB3	20	0.36
(1,1472)	1:63:B:ALA:H	1:73:B:GLU:HB3	11	0.36
(1,662)	1:57:B:ILE:HG13	1:80:B:ILE:HG12	10	0.36
(1,661)	1:57:A:ILE:HG13	1:80:A:ILE:HG12	10	0.36
(1,646)	1:48:B:ILE:HG12	1:48:B:ILE:HA	1	0.36
(1,646)	1:48:B:ILE:HG12	1:48:B:ILE:HA	2	0.36
(1,646)	1:48:B:ILE:HG12	1:48:B:ILE:HA	5	0.36
(1,646)	1:48:B:ILE:HG12	1:48:B:ILE:HA	15	0.36
(1,646)	1:48:B:ILE:HG12	1:48:B:ILE:HA	17	0.36
(1,646)	1:48:B:ILE:HG12	1:48:B:ILE:HA	18	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:48:B:ILE:HG12	1:48:B:ILE:HA	19	0.36
(1,646)	1:48:B:ILE:HG12	1:48:B:ILE:HA	20	0.36
(1,645)	1:48:A:ILE:HG12	1:48:A:ILE:HA	1	0.36
(1,645)	1:48:A:ILE:HG12	1:48:A:ILE:HA	5	0.36
(1,645)	1:48:A:ILE:HG12	1:48:A:ILE:HA	15	0.36
(1,645)	1:48:A:ILE:HG12	1:48:A:ILE:HA	16	0.36
(1,645)	1:48:A:ILE:HG12	1:48:A:ILE:HA	17	0.36
(1,645)	1:48:A:ILE:HG12	1:48:A:ILE:HA	19	0.36
(1,645)	1:48:A:ILE:HG12	1:48:A:ILE:HA	20	0.36
(1,610)	1:63:B:ALA:HB2	1:62:B:ASP:HB3	6	0.36
(1,472)	1:78:B:VAL:HG23	1:11:B:ILE:HB	7	0.36
(1,471)	1:78:A:VAL:HG23	1:11:A:ILE:HB	7	0.36
(1,465)	1:36:A:LEU:HD23	1:40:A:GLU:HG3	14	0.36
(1,465)	1:36:A:LEU:HD21	1:40:A:GLU:HG2	18	0.36
(1,465)	1:36:A:LEU:HD22	1:40:A:GLU:HG3	19	0.36
(1,442)	1:49:B:LYS:HB2	1:53:B:VAL:HB	8	0.36
(1,441)	1:49:A:LYS:HB2	1:53:A:VAL:HB	8	0.36
(1,386)	1:36:B:LEU:HD23	1:36:B:LEU:HA	20	0.36
(1,385)	1:36:A:LEU:HD23	1:36:A:LEU:HA	20	0.36
(1,329)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	3	0.36
(1,329)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	18	0.36
(1,310)	1:53:B:VAL:HG21	1:54:B:ILE:HA	1	0.36
(1,310)	1:53:B:VAL:HG21	1:54:B:ILE:HA	12	0.36
(1,309)	1:53:A:VAL:HG21	1:54:A:ILE:HA	1	0.36
(1,309)	1:53:A:VAL:HG21	1:54:A:ILE:HA	12	0.36
(1,242)	1:53:B:VAL:HG21	1:48:B:ILE:HA	10	0.36
(1,241)	1:53:A:VAL:HG21	1:48:A:ILE:HA	10	0.36
(1,241)	1:53:A:VAL:HG23	1:48:A:ILE:HA	20	0.36
(1,208)	1:32:B:GLU:HG2	1:32:B:GLU:HA	14	0.36
(1,208)	1:32:B:GLU:HG2	1:32:B:GLU:HA	17	0.36
(1,207)	1:32:A:GLU:HG2	1:32:A:GLU:HA	14	0.36
(1,207)	1:32:A:GLU:HG2	1:32:A:GLU:HA	17	0.36
(1,204)	1:80:B:ILE:HD12	1:76:B:SER:HA	1	0.36
(1,204)	1:80:B:ILE:HD13	1:76:B:SER:HA	10	0.36
(1,192)	1:39:B:LYS:HD2	1:35:B:GLN:HA	2	0.36
(1,191)	1:39:A:LYS:HD2	1:35:A:GLN:HA	2	0.36
(1,168)	1:39:B:LYS:HG3	1:39:B:LYS:HA	3	0.36
(1,124)	1:36:B:LEU:HD21	1:42:B:ALA:H	2	0.36
(1,124)	1:36:B:LEU:HD23	1:42:B:ALA:H	19	0.36
(1,123)	1:36:A:LEU:HD21	1:42:A:ALA:H	2	0.36
(1,123)	1:36:A:LEU:HD23	1:42:A:ALA:H	19	0.36
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG13	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG11	11	0.36
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG13	3	0.36
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG11	11	0.36
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD12	7	0.36
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD12	7	0.36
(1,3826)	1:30:B:LYS:H	1:30:B:LYS:HG3	1	0.35
(1,3826)	1:30:B:LYS:H	1:30:B:LYS:HG3	6	0.35
(1,3825)	1:30:A:LYS:H	1:30:A:LYS:HG3	1	0.35
(1,3825)	1:30:A:LYS:H	1:30:A:LYS:HG3	6	0.35
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG23	3	0.35
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG23	3	0.35
(1,3802)	1:10:B:GLY:H	1:12:B:VAL:HG23	19	0.35
(1,3801)	1:10:A:GLY:H	1:12:A:VAL:HG23	19	0.35
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG23	19	0.35
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG23	19	0.35
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG21	8	0.35
(1,3773)	1:55:A:ASP:H	1:54:A:ILE:HG23	18	0.35
(1,3769)	1:41:A:LEU:H	1:48:A:ILE:HG22	15	0.35
(1,3726)	1:41:B:LEU:H	1:48:B:ILE:HG13	13	0.35
(1,3725)	1:41:A:LEU:H	1:48:A:ILE:HG13	13	0.35
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG13	2	0.35
(1,3710)	1:44:B:THR:H	1:45:B:ILE:HG13	10	0.35
(1,3700)	1:84:B:ALA:H	1:44:B:THR:HG23	20	0.35
(1,3699)	1:84:A:ALA:H	1:44:A:THR:HG23	20	0.35
(1,3696)	1:8:B:LEU:H	1:44:A:THR:HG22	14	0.35
(1,3694)	1:75:B:ILE:H	1:83:A:LYS:HG3	15	0.35
(1,3693)	1:75:A:ILE:H	1:83:B:LYS:HG3	15	0.35
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB3	11	0.35
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB3	11	0.35
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB3	8	0.35
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB3	8	0.35
(1,3626)	1:38:B:THR:H	1:54:B:ILE:HG12	18	0.35
(1,3625)	1:38:A:THR:H	1:54:A:ILE:HG12	16	0.35
(1,3625)	1:38:A:THR:H	1:54:A:ILE:HG12	18	0.35
(1,3622)	1:87:B:TYR:H	1:85:B:ALA:HB3	16	0.35
(1,3614)	1:52:B:ALA:H	1:51:B:LYS:HD2	15	0.35
(1,3608)	1:43:B:ASN:H	1:49:B:LYS:HD3	13	0.35
(1,3604)	1:58:B:PHE:H	1:61:B:LEU:HB2	4	0.35
(1,3604)	1:58:B:PHE:H	1:61:B:LEU:HB2	19	0.35
(1,3603)	1:58:A:PHE:H	1:61:A:LEU:HB2	4	0.35
(1,3603)	1:58:A:PHE:H	1:61:A:LEU:HB2	7	0.35
(1,3603)	1:58:A:PHE:H	1:61:A:LEU:HB2	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3506)	1:18:B:TYR:H	1:40:B:GLU:HG3	16	0.35
(1,3505)	1:18:A:TYR:H	1:40:A:GLU:HG3	16	0.35
(1,3477)	1:70:A:ASP:H	1:68:A:GLN:HG2	2	0.35
(1,3460)	1:57:B:ILE:H	1:55:B:ASP:HB3	6	0.35
(1,3459)	1:57:A:ILE:H	1:55:A:ASP:HB3	6	0.35
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB2	12	0.35
(1,3422)	1:92:B:GLU:H	1:90:B:HIS:HB2	12	0.35
(1,3334)	1:69:B:VAL:H	1:29:B:SER:HB3	13	0.35
(1,3333)	1:69:A:VAL:H	1:29:A:SER:HB3	13	0.35
(1,3322)	1:60:B:GLY:H	1:61:B:LEU:HA	1	0.35
(1,3310)	1:54:B:ILE:H	1:49:B:LYS:H	12	0.35
(1,3309)	1:54:A:ILE:H	1:49:A:LYS:H	12	0.35
(1,3286)	1:76:B:SER:H	1:72:B:GLN:H	10	0.35
(1,3286)	1:76:B:SER:H	1:72:B:GLN:H	14	0.35
(1,3285)	1:76:A:SER:H	1:72:A:GLN:H	10	0.35
(1,3285)	1:76:A:SER:H	1:72:A:GLN:H	14	0.35
(1,3264)	1:12:B:VAL:H	1:10:B:GLY:H	5	0.35
(1,3264)	1:12:B:VAL:H	1:10:B:GLY:H	6	0.35
(1,3263)	1:12:A:VAL:H	1:10:A:GLY:H	5	0.35
(1,3263)	1:12:A:VAL:H	1:10:A:GLY:H	6	0.35
(1,3236)	1:12:B:VAL:H	1:14:B:ILE:H	17	0.35
(1,3230)	1:75:B:ILE:HD11	1:78:A:VAL:HG13	2	0.35
(1,3229)	1:75:A:ILE:HD11	1:78:B:VAL:HG13	2	0.35
(1,3229)	1:75:A:ILE:HD11	1:78:B:VAL:HG12	7	0.35
(1,3229)	1:75:A:ILE:HD12	1:78:B:VAL:HG11	13	0.35
(1,3139)	1:53:A:VAL:HG21	1:56:A:GLU:HG3	15	0.35
(1,3132)	1:54:B:ILE:HG22	1:58:B:PHE:HB3	11	0.35
(1,3131)	1:54:A:ILE:HG22	1:58:A:PHE:HB3	11	0.35
(1,3116)	1:8:B:LEU:HG	1:6:B:GLU:HA	12	0.35
(1,3115)	1:8:A:LEU:HG	1:6:A:GLU:HA	12	0.35
(1,3114)	1:8:B:LEU:HG	1:6:B:GLU:HA	12	0.35
(1,3113)	1:8:A:LEU:HG	1:6:A:GLU:HA	12	0.35
(1,3076)	1:85:B:ALA:HA	1:12:A:VAL:HG21	6	0.35
(1,3053)	1:86:A:HIS:HB3	1:12:B:VAL:HG22	12	0.35
(1,3052)	1:40:B:GLU:HG2	1:37:B:LEU:HD21	17	0.35
(1,3048)	1:30:B:LYS:HA	1:33:B:LEU:HD23	20	0.35
(1,3047)	1:30:A:LYS:HA	1:33:A:LEU:HD23	20	0.35
(1,3046)	1:38:B:THR:HA	1:37:B:LEU:HD22	2	0.35
(1,3046)	1:37:B:LEU:HD12	1:38:B:THR:HA	16	0.35
(1,3045)	1:38:A:THR:HA	1:37:A:LEU:HD22	2	0.35
(1,3045)	1:37:A:LEU:HD12	1:38:A:THR:HA	16	0.35
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG13	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG13	1	0.35
(1,2938)	1:7:B:HIS:HB2	1:44:A:THR:HG23	17	0.35
(1,2937)	1:7:A:HIS:HB2	1:44:B:THR:HG23	17	0.35
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD12	6	0.35
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD12	6	0.35
(1,2900)	1:91:B:LYS:HG2	1:91:B:LYS:HG3	18	0.35
(1,2868)	1:77:B:LEU:HA	1:80:B:ILE:HG12	4	0.35
(1,2867)	1:77:A:LEU:HA	1:80:A:ILE:HG12	4	0.35
(1,2844)	1:42:B:ALA:HB1	1:43:B:ASN:HB3	8	0.35
(1,2812)	1:37:B:LEU:HD23	1:33:B:LEU:HG	11	0.35
(1,2811)	1:37:A:LEU:HD23	1:33:A:LEU:HG	11	0.35
(1,2800)	1:67:B:GLU:HG3	1:62:B:ASP:HB3	8	0.35
(1,2750)	1:32:B:GLU:HG2	1:33:B:LEU:HB3	5	0.35
(1,2749)	1:32:A:GLU:HG2	1:33:A:LEU:HB3	5	0.35
(1,2741)	1:75:A:ILE:HG13	1:83:B:LYS:HD2	15	0.35
(1,2724)	1:84:B:ALA:HB2	1:91:B:LYS:HD3	19	0.35
(1,2723)	1:84:A:ALA:HB2	1:91:A:LYS:HD3	19	0.35
(1,2688)	1:30:B:LYS:HD3	1:51:B:LYS:HD2	16	0.35
(1,2687)	1:30:A:LYS:HD3	1:51:A:LYS:HD2	16	0.35
(1,2664)	1:8:B:LEU:HD11	1:41:A:LEU:HB3	16	0.35
(1,2662)	1:30:B:LYS:HG3	1:34:B:LYS:HB2	2	0.35
(1,2661)	1:30:A:LYS:HG3	1:34:A:LYS:HB2	2	0.35
(1,2648)	1:67:B:GLU:HG2	1:68:B:GLN:HB2	18	0.35
(1,2582)	1:80:B:ILE:HB	1:81:B:ALA:HA	11	0.35
(1,2582)	1:80:B:ILE:HB	1:81:B:ALA:HA	16	0.35
(1,2581)	1:80:A:ILE:HB	1:81:A:ALA:HA	11	0.35
(1,2518)	1:54:B:ILE:HB	1:56:B:GLU:HB2	6	0.35
(1,2518)	1:54:B:ILE:HB	1:56:B:GLU:HB2	7	0.35
(1,2513)	1:47:A:ASN:HB3	1:46:A:LYS:HD2	11	0.35
(1,2508)	1:10:B:GLY:HA3	1:9:B:GLU:HB2	4	0.35
(1,2508)	1:10:B:GLY:HA3	1:9:B:GLU:HB3	6	0.35
(1,2507)	1:10:A:GLY:HA3	1:9:A:GLU:HB3	6	0.35
(1,2507)	1:10:A:GLY:HA3	1:9:A:GLU:HB2	17	0.35
(1,2505)	1:61:A:LEU:HG	1:60:A:GLY:HA3	8	0.35
(1,2484)	1:54:B:ILE:HB	1:56:B:GLU:HB2	6	0.35
(1,2484)	1:54:B:ILE:HB	1:56:B:GLU:HB2	7	0.35
(1,2478)	1:55:B:ASP:HB3	1:56:B:GLU:HB2	1	0.35
(1,2478)	1:55:B:ASP:HB3	1:56:B:GLU:HB2	19	0.35
(1,2477)	1:55:A:ASP:HB3	1:56:A:GLU:HB2	1	0.35
(1,2477)	1:55:A:ASP:HB3	1:56:A:GLU:HB2	19	0.35
(1,2314)	1:54:B:ILE:HB	1:55:B:ASP:HB2	3	0.35
(1,2314)	1:54:B:ILE:HB	1:55:B:ASP:HB2	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2313)	1:54:A:ILE:HB	1:55:A:ASP:HB2	19	0.35
(1,2302)	1:51:B:LYS:HE2	1:55:B:ASP:HB2	9	0.35
(1,2270)	1:86:B:HIS:HB2	1:83:B:LYS:HA	12	0.35
(1,2264)	1:88:B:HIS:HB3	1:86:B:HIS:HB2	10	0.35
(1,2259)	1:72:A:GLN:HA	1:75:A:ILE:HA	8	0.35
(1,2255)	1:52:A:ALA:HB1	1:50:A:ASP:HB2	20	0.35
(1,2234)	1:89:B:THR:HG23	1:83:B:LYS:HE2	5	0.35
(1,2234)	1:89:B:THR:HG23	1:83:B:LYS:HE2	10	0.35
(1,2234)	1:89:B:THR:HG22	1:83:B:LYS:HE2	13	0.35
(1,2233)	1:89:A:THR:HG23	1:83:A:LYS:HE2	5	0.35
(1,2202)	1:8:B:LEU:HD12	1:78:A:VAL:HA	6	0.35
(1,2197)	1:30:A:LYS:HE2	1:51:A:LYS:HE2	16	0.35
(1,2164)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	3	0.35
(1,2164)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	8	0.35
(1,2164)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	18	0.35
(1,2146)	1:79:B:ALA:HB1	1:80:B:ILE:HA	2	0.35
(1,2146)	1:79:B:ALA:HB1	1:80:B:ILE:HA	4	0.35
(1,2146)	1:79:B:ALA:HB3	1:80:B:ILE:HA	13	0.35
(1,2146)	1:79:B:ALA:HB1	1:80:B:ILE:HA	16	0.35
(1,2146)	1:79:B:ALA:HB1	1:80:B:ILE:HA	17	0.35
(1,2146)	1:79:B:ALA:HB2	1:80:B:ILE:HA	19	0.35
(1,2145)	1:79:A:ALA:HB1	1:80:A:ILE:HA	2	0.35
(1,2145)	1:79:A:ALA:HB3	1:80:A:ILE:HA	13	0.35
(1,2145)	1:79:A:ALA:HB1	1:80:A:ILE:HA	16	0.35
(1,2145)	1:79:A:ALA:HB1	1:80:A:ILE:HA	17	0.35
(1,2145)	1:79:A:ALA:HB2	1:80:A:ILE:HA	19	0.35
(1,2100)	1:8:B:LEU:HG	1:9:B:GLU:HA	5	0.35
(1,2099)	1:8:A:LEU:HG	1:9:A:GLU:HA	5	0.35
(1,2040)	1:48:B:ILE:HD13	1:42:B:ALA:HA	11	0.35
(1,2039)	1:48:A:ILE:HD13	1:42:A:ALA:HA	11	0.35
(1,1901)	1:84:A:ALA:HB2	1:88:A:HIS:HA	20	0.35
(1,1896)	1:12:B:VAL:HG22	1:13:B:ASN:HA	11	0.35
(1,1895)	1:12:A:VAL:HG22	1:13:A:ASN:HA	11	0.35
(1,1894)	1:91:B:LYS:HG2	1:90:B:HIS:HA	3	0.35
(1,1887)	1:51:A:LYS:HD2	1:50:A:ASP:HA	3	0.35
(1,1824)	1:11:B:ILE:H	1:6:B:GLU:HA	14	0.35
(1,1823)	1:11:A:ILE:H	1:6:A:GLU:HA	14	0.35
(1,1812)	1:44:B:THR:H	1:46:B:LYS:HA	10	0.35
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD22	6	0.35
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD22	6	0.35
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD22	10	0.35
(1,1744)	1:63:B:ALA:H	1:61:B:LEU:HG	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1743)	1:63:A:ALA:H	1:61:A:LEU:HG	1	0.35
(1,1738)	1:75:B:ILE:HG23	1:82:A:LEU:HD11	7	0.35
(1,1723)	1:80:A:ILE:HG23	1:8:B:LEU:HD13	15	0.35
(1,1688)	1:12:B:VAL:HG21	1:82:A:LEU:HA	10	0.35
(1,1617)	1:63:A:ALA:H	1:61:A:LEU:HB3	17	0.35
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD13	20	0.35
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD13	20	0.35
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB2	13	0.35
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB2	13	0.35
(1,1482)	1:3:B:LYS:H	1:6:B:GLU:HB3	10	0.35
(1,1481)	1:3:A:LYS:H	1:6:A:GLU:HB3	10	0.35
(1,700)	1:37:B:LEU:HD22	1:48:B:ILE:HG13	8	0.35
(1,699)	1:37:A:LEU:HD22	1:48:A:ILE:HG13	8	0.35
(1,646)	1:48:B:ILE:HG12	1:48:B:ILE:HA	7	0.35
(1,645)	1:48:A:ILE:HG12	1:48:A:ILE:HA	2	0.35
(1,645)	1:48:A:ILE:HG12	1:48:A:ILE:HA	7	0.35
(1,645)	1:48:A:ILE:HG12	1:48:A:ILE:HA	18	0.35
(1,610)	1:63:B:ALA:HB3	1:62:B:ASP:HB3	10	0.35
(1,609)	1:63:A:ALA:HB2	1:62:A:ASP:HB3	6	0.35
(1,609)	1:63:A:ALA:HB3	1:62:A:ASP:HB3	10	0.35
(1,571)	1:49:A:LYS:HB3	1:49:A:LYS:HD2	14	0.35
(1,562)	1:39:B:LYS:HD2	1:35:B:GLN:HG2	13	0.35
(1,561)	1:39:A:LYS:HD2	1:35:A:GLN:HG2	13	0.35
(1,538)	1:75:B:ILE:HD12	1:75:B:ILE:HB	1	0.35
(1,537)	1:75:A:ILE:HD12	1:75:A:ILE:HB	1	0.35
(1,470)	1:36:B:LEU:HD11	1:40:B:GLU:HG2	12	0.35
(1,469)	1:36:A:LEU:HD11	1:40:A:GLU:HG2	12	0.35
(1,466)	1:36:B:LEU:HD22	1:40:B:GLU:HG3	16	0.35
(1,466)	1:36:B:LEU:HD22	1:40:B:GLU:HG3	19	0.35
(1,386)	1:36:B:LEU:HD21	1:36:B:LEU:HA	2	0.35
(1,385)	1:36:A:LEU:HD21	1:36:A:LEU:HA	2	0.35
(1,344)	1:83:B:LYS:HE3	1:87:B:TYR:HB2	16	0.35
(1,343)	1:83:A:LYS:HE3	1:87:A:TYR:HB2	16	0.35
(1,330)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	3	0.35
(1,330)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	8	0.35
(1,330)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	18	0.35
(1,242)	1:53:B:VAL:HG22	1:48:B:ILE:HA	12	0.35
(1,242)	1:53:B:VAL:HG23	1:48:B:ILE:HA	20	0.35
(1,241)	1:53:A:VAL:HG22	1:48:A:ILE:HA	4	0.35
(1,241)	1:53:A:VAL:HG22	1:48:A:ILE:HA	12	0.35
(1,214)	1:37:B:LEU:HD13	1:33:B:LEU:HA	7	0.35
(1,203)	1:80:A:ILE:HD12	1:76:A:SER:HA	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,168)	1:39:B:LYS:HG3	1:39:B:LYS:HA	6	0.35
(1,167)	1:39:A:LYS:HG3	1:39:A:LYS:HA	3	0.35
(1,167)	1:39:A:LYS:HG3	1:39:A:LYS:HA	6	0.35
(1,123)	1:36:A:LEU:HD23	1:42:A:ALA:H	7	0.35
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG12	4	0.35
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG12	17	0.35
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG12	4	0.35
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG12	17	0.35
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG13	19	0.35
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG23	1	0.34
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG22	1	0.34
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG22	1	0.34
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG13	2	0.34
(1,3710)	1:44:B:THR:H	1:45:B:ILE:HG13	13	0.34
(1,3709)	1:44:A:THR:H	1:45:A:ILE:HG13	13	0.34
(1,3706)	1:12:B:VAL:H	1:82:A:LEU:HG	13	0.34
(1,3705)	1:12:A:VAL:H	1:82:B:LEU:HG	13	0.34
(1,3700)	1:84:B:ALA:H	1:44:B:THR:HG22	19	0.34
(1,3699)	1:84:A:ALA:H	1:44:A:THR:HG22	19	0.34
(1,3698)	1:46:B:LYS:H	1:45:B:ILE:HG13	12	0.34
(1,3697)	1:46:A:LYS:H	1:45:A:ILE:HG13	12	0.34
(1,3695)	1:8:A:LEU:H	1:44:B:THR:HG22	14	0.34
(1,3692)	1:75:B:ILE:H	1:61:B:LEU:HB3	17	0.34
(1,3691)	1:75:A:ILE:H	1:61:A:LEU:HB3	17	0.34
(1,3690)	1:57:B:ILE:H	1:80:B:ILE:HG12	6	0.34
(1,3689)	1:57:A:ILE:H	1:80:A:ILE:HG12	6	0.34
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB2	20	0.34
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB3	5	0.34
(1,3626)	1:38:B:THR:H	1:54:B:ILE:HG12	16	0.34
(1,3613)	1:52:A:ALA:H	1:51:A:LYS:HD2	15	0.34
(1,3612)	1:34:B:LYS:H	1:36:B:LEU:HB3	12	0.34
(1,3611)	1:34:A:LYS:H	1:36:A:LEU:HB3	12	0.34
(1,3596)	1:85:B:ALA:H	1:91:B:LYS:HB2	19	0.34
(1,3518)	1:10:B:GLY:H	1:9:B:GLU:HG3	9	0.34
(1,3518)	1:10:B:GLY:H	1:9:B:GLU:HG3	17	0.34
(1,3494)	1:64:B:ASN:H	1:65:B:GLN:HB3	2	0.34
(1,3493)	1:64:A:ASN:H	1:65:A:GLN:HB3	2	0.34
(1,3480)	1:85:B:ALA:H	1:12:A:VAL:HB	2	0.34
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB2	9	0.34
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB2	16	0.34
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB2	9	0.34
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB2	16	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3322)	1:60:B:GLY:H	1:61:B:LEU:HA	9	0.34
(1,3321)	1:60:A:GLY:H	1:61:A:LEU:HA	1	0.34
(1,3321)	1:60:A:GLY:H	1:61:A:LEU:HA	9	0.34
(1,3321)	1:60:A:GLY:H	1:61:A:LEU:HA	18	0.34
(1,3286)	1:76:B:SER:H	1:72:B:GLN:H	2	0.34
(1,3285)	1:76:A:SER:H	1:72:A:GLN:H	2	0.34
(1,3264)	1:12:B:VAL:H	1:10:B:GLY:H	15	0.34
(1,3263)	1:12:A:VAL:H	1:10:A:GLY:H	15	0.34
(1,3236)	1:12:B:VAL:H	1:14:B:ILE:H	6	0.34
(1,3235)	1:12:A:VAL:H	1:14:A:ILE:H	6	0.34
(1,3235)	1:12:A:VAL:H	1:14:A:ILE:H	17	0.34
(1,3230)	1:75:B:ILE:HD12	1:78:A:VAL:HG11	13	0.34
(1,3182)	1:75:B:ILE:HD12	1:72:B:GLN:HG3	10	0.34
(1,3181)	1:75:A:ILE:HD12	1:72:A:GLN:HG3	10	0.34
(1,3088)	1:30:B:LYS:HD3	1:67:B:GLU:HG3	18	0.34
(1,3075)	1:85:A:ALA:HA	1:12:B:VAL:HG21	6	0.34
(1,3072)	1:12:B:VAL:HG23	1:9:B:GLU:HA	3	0.34
(1,3071)	1:12:A:VAL:HG23	1:9:A:GLU:HA	3	0.34
(1,3054)	1:86:B:HIS:HB3	1:12:A:VAL:HG22	12	0.34
(1,3051)	1:40:A:GLU:HG2	1:37:A:LEU:HD21	17	0.34
(1,3046)	1:37:B:LEU:HD13	1:38:B:THR:HA	3	0.34
(1,3045)	1:37:A:LEU:HD13	1:38:A:THR:HA	3	0.34
(1,3032)	1:54:B:ILE:HG13	1:53:B:VAL:HG11	9	0.34
(1,3031)	1:54:A:ILE:HG13	1:53:A:VAL:HG11	9	0.34
(1,2984)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	2	0.34
(1,2983)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	2	0.34
(1,2900)	1:91:B:LYS:HG2	1:91:B:LYS:HG3	1	0.34
(1,2900)	1:91:B:LYS:HG2	1:91:B:LYS:HG3	3	0.34
(1,2900)	1:91:B:LYS:HG2	1:91:B:LYS:HG3	4	0.34
(1,2900)	1:91:B:LYS:HG2	1:91:B:LYS:HG3	5	0.34
(1,2900)	1:91:B:LYS:HG2	1:91:B:LYS:HG3	6	0.34
(1,2900)	1:91:B:LYS:HG2	1:91:B:LYS:HG3	7	0.34
(1,2900)	1:83:B:LYS:HG2	1:83:B:LYS:HG3	9	0.34
(1,2900)	1:91:B:LYS:HG2	1:91:B:LYS:HG3	10	0.34
(1,2900)	1:91:B:LYS:HG2	1:91:B:LYS:HG3	11	0.34
(1,2900)	1:83:B:LYS:HG2	1:83:B:LYS:HG3	12	0.34
(1,2900)	1:91:B:LYS:HG2	1:91:B:LYS:HG3	13	0.34
(1,2900)	1:91:B:LYS:HG2	1:91:B:LYS:HG3	14	0.34
(1,2900)	1:83:B:LYS:HG2	1:83:B:LYS:HG3	15	0.34
(1,2900)	1:91:B:LYS:HG2	1:91:B:LYS:HG3	16	0.34
(1,2900)	1:91:B:LYS:HG2	1:91:B:LYS:HG3	17	0.34
(1,2900)	1:83:B:LYS:HG2	1:83:B:LYS:HG3	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2900)	1:83:B:LYS:HG2	1:83:B:LYS:HG3	20	0.34
(1,2899)	1:91:A:LYS:HG2	1:91:A:LYS:HG3	1	0.34
(1,2899)	1:91:A:LYS:HG2	1:91:A:LYS:HG3	3	0.34
(1,2899)	1:91:A:LYS:HG2	1:91:A:LYS:HG3	4	0.34
(1,2899)	1:91:A:LYS:HG2	1:91:A:LYS:HG3	5	0.34
(1,2899)	1:91:A:LYS:HG2	1:91:A:LYS:HG3	6	0.34
(1,2899)	1:91:A:LYS:HG2	1:91:A:LYS:HG3	7	0.34
(1,2899)	1:91:A:LYS:HG2	1:91:A:LYS:HG3	9	0.34
(1,2899)	1:91:A:LYS:HG2	1:91:A:LYS:HG3	10	0.34
(1,2899)	1:91:A:LYS:HG2	1:91:A:LYS:HG3	11	0.34
(1,2899)	1:83:A:LYS:HG2	1:83:A:LYS:HG3	12	0.34
(1,2899)	1:91:A:LYS:HG2	1:91:A:LYS:HG3	13	0.34
(1,2899)	1:91:A:LYS:HG2	1:91:A:LYS:HG3	14	0.34
(1,2899)	1:83:A:LYS:HG2	1:83:A:LYS:HG3	15	0.34
(1,2899)	1:91:A:LYS:HG2	1:91:A:LYS:HG3	16	0.34
(1,2899)	1:91:A:LYS:HG2	1:91:A:LYS:HG3	17	0.34
(1,2899)	1:91:A:LYS:HG2	1:91:A:LYS:HG3	18	0.34
(1,2899)	1:83:A:LYS:HG2	1:83:A:LYS:HG3	19	0.34
(1,2899)	1:83:A:LYS:HG2	1:83:A:LYS:HG3	20	0.34
(1,2892)	1:82:B:LEU:HG	1:78:B:VAL:HB	14	0.34
(1,2891)	1:82:A:LEU:HG	1:78:A:VAL:HB	14	0.34
(1,2868)	1:77:B:LEU:HA	1:80:B:ILE:HG12	10	0.34
(1,2867)	1:77:A:LEU:HA	1:80:A:ILE:HG12	10	0.34
(1,2860)	1:53:B:VAL:HG12	1:46:B:LYS:HG3	2	0.34
(1,2859)	1:53:A:VAL:HG12	1:46:A:LYS:HG3	2	0.34
(1,2846)	1:30:B:LYS:HB2	1:58:B:PHE:HB3	19	0.34
(1,2844)	1:42:B:ALA:HB2	1:43:B:ASN:HB3	11	0.34
(1,2799)	1:67:A:GLU:HG3	1:62:A:ASP:HB3	8	0.34
(1,2758)	1:80:B:ILE:HD12	1:91:B:LYS:HD2	20	0.34
(1,2757)	1:80:A:ILE:HD12	1:91:A:LYS:HD2	20	0.34
(1,2742)	1:75:B:ILE:HG13	1:83:A:LYS:HD2	15	0.34
(1,2680)	1:49:B:LYS:HB2	1:47:B:ASN:HB3	17	0.34
(1,2662)	1:30:B:LYS:HG3	1:34:B:LYS:HB2	8	0.34
(1,2661)	1:30:A:LYS:HG3	1:34:A:LYS:HB2	8	0.34
(1,2661)	1:30:A:LYS:HG3	1:34:A:LYS:HB2	18	0.34
(1,2647)	1:67:A:GLU:HG2	1:68:A:GLN:HB2	18	0.34
(1,2642)	1:33:B:LEU:HB3	1:34:B:LYS:HB2	9	0.34
(1,2641)	1:33:A:LEU:HB3	1:34:A:LYS:HB2	9	0.34
(1,2596)	1:85:B:ALA:HB3	1:9:A:GLU:HB3	17	0.34
(1,2582)	1:80:B:ILE:HB	1:81:B:ALA:HA	19	0.34
(1,2518)	1:54:B:ILE:HB	1:56:B:GLU:HB2	9	0.34
(1,2518)	1:54:B:ILE:HB	1:56:B:GLU:HB2	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2518)	1:54:B:ILE:HB	1:56:B:GLU:HB2	14	0.34
(1,2518)	1:54:B:ILE:HB	1:56:B:GLU:HB2	17	0.34
(1,2518)	1:54:B:ILE:HB	1:56:B:GLU:HB2	18	0.34
(1,2518)	1:54:B:ILE:HB	1:56:B:GLU:HB2	19	0.34
(1,2517)	1:54:A:ILE:HB	1:56:A:GLU:HB2	7	0.34
(1,2517)	1:54:A:ILE:HB	1:56:A:GLU:HB2	9	0.34
(1,2517)	1:54:A:ILE:HB	1:56:A:GLU:HB2	11	0.34
(1,2517)	1:54:A:ILE:HB	1:56:A:GLU:HB2	14	0.34
(1,2517)	1:54:A:ILE:HB	1:56:A:GLU:HB2	17	0.34
(1,2517)	1:54:A:ILE:HB	1:56:A:GLU:HB2	19	0.34
(1,2514)	1:47:B:ASN:HB3	1:46:B:LYS:HD2	11	0.34
(1,2514)	1:47:B:ASN:HB3	1:46:B:LYS:HD2	18	0.34
(1,2513)	1:47:A:ASN:HB3	1:46:A:LYS:HD2	18	0.34
(1,2506)	1:61:B:LEU:HG	1:60:B:GLY:HA3	8	0.34
(1,2506)	1:61:B:LEU:HG	1:60:B:GLY:HA3	15	0.34
(1,2484)	1:54:B:ILE:HB	1:56:B:GLU:HB2	9	0.34
(1,2484)	1:54:B:ILE:HB	1:56:B:GLU:HB2	11	0.34
(1,2484)	1:54:B:ILE:HB	1:56:B:GLU:HB2	14	0.34
(1,2484)	1:54:B:ILE:HB	1:56:B:GLU:HB2	17	0.34
(1,2484)	1:54:B:ILE:HB	1:56:B:GLU:HB2	18	0.34
(1,2484)	1:54:B:ILE:HB	1:56:B:GLU:HB2	19	0.34
(1,2483)	1:54:A:ILE:HB	1:56:A:GLU:HB2	7	0.34
(1,2483)	1:54:A:ILE:HB	1:56:A:GLU:HB2	9	0.34
(1,2483)	1:54:A:ILE:HB	1:56:A:GLU:HB2	11	0.34
(1,2483)	1:54:A:ILE:HB	1:56:A:GLU:HB2	14	0.34
(1,2483)	1:54:A:ILE:HB	1:56:A:GLU:HB2	17	0.34
(1,2483)	1:54:A:ILE:HB	1:56:A:GLU:HB2	19	0.34
(1,2480)	1:62:B:ASP:HB3	1:59:B:GLN:HB3	20	0.34
(1,2479)	1:62:A:ASP:HB3	1:59:A:GLN:HB3	20	0.34
(1,2474)	1:32:B:GLU:HG3	1:31:B:GLY:HA3	11	0.34
(1,2473)	1:32:A:GLU:HG2	1:31:A:GLY:HA3	13	0.34
(1,2473)	1:32:A:GLU:HG2	1:31:A:GLY:HA3	14	0.34
(1,2466)	1:6:B:GLU:HB2	1:6:B:GLU:HA	15	0.34
(1,2465)	1:6:A:GLU:HB2	1:6:A:GLU:HA	15	0.34
(1,2460)	1:30:B:LYS:HD3	1:59:B:GLN:HB2	14	0.34
(1,2459)	1:30:A:LYS:HD3	1:59:A:GLN:HB2	14	0.34
(1,2429)	1:67:A:GLU:HG2	1:59:A:GLN:HG2	2	0.34
(1,2426)	1:67:B:GLU:HG3	1:30:B:LYS:HE3	4	0.34
(1,2313)	1:54:A:ILE:HB	1:55:A:ASP:HB2	3	0.34
(1,2300)	1:53:B:VAL:HA	1:50:B:ASP:HB3	20	0.34
(1,2299)	1:53:A:VAL:HA	1:50:A:ASP:HB3	20	0.34
(1,2296)	1:59:B:GLN:HG2	1:55:B:ASP:HB3	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2296)	1:59:B:GLN:HG2	1:55:B:ASP:HB3	12	0.34
(1,2295)	1:59:A:GLN:HG2	1:55:A:ASP:HB3	9	0.34
(1,2260)	1:72:B:GLN:HA	1:75:B:ILE:HA	8	0.34
(1,2260)	1:72:B:GLN:HA	1:83:A:LYS:HE2	15	0.34
(1,2259)	1:72:A:GLN:HA	1:83:B:LYS:HE2	15	0.34
(1,2256)	1:52:B:ALA:HB1	1:50:B:ASP:HB2	20	0.34
(1,2202)	1:8:B:LEU:HD11	1:78:A:VAL:HA	10	0.34
(1,2201)	1:8:A:LEU:HD12	1:78:B:VAL:HA	6	0.34
(1,2201)	1:8:A:LEU:HD13	1:78:B:VAL:HA	19	0.34
(1,2198)	1:30:B:LYS:HE2	1:51:B:LYS:HE2	16	0.34
(1,2192)	1:46:B:LYS:HE2	1:90:B:HIS:HB2	16	0.34
(1,2191)	1:46:A:LYS:HE2	1:90:A:HIS:HB2	16	0.34
(1,2188)	1:39:B:LYS:HE3	1:39:B:LYS:HE2	1	0.34
(1,2188)	1:51:B:LYS:HE2	1:51:B:LYS:HE3	2	0.34
(1,2188)	1:39:B:LYS:HE3	1:39:B:LYS:HE2	3	0.34
(1,2188)	1:39:B:LYS:HE3	1:39:B:LYS:HE2	4	0.34
(1,2188)	1:39:B:LYS:HE3	1:39:B:LYS:HE2	5	0.34
(1,2188)	1:51:B:LYS:HE2	1:51:B:LYS:HE3	6	0.34
(1,2188)	1:51:B:LYS:HE2	1:51:B:LYS:HE3	7	0.34
(1,2188)	1:39:B:LYS:HE3	1:39:B:LYS:HE2	8	0.34
(1,2188)	1:49:B:LYS:HE2	1:49:B:LYS:HE3	10	0.34
(1,2188)	1:51:B:LYS:HE2	1:51:B:LYS:HE3	11	0.34
(1,2188)	1:49:B:LYS:HE2	1:49:B:LYS:HE3	13	0.34
(1,2188)	1:39:B:LYS:HE3	1:39:B:LYS:HE2	14	0.34
(1,2188)	1:39:B:LYS:HE3	1:39:B:LYS:HE2	16	0.34
(1,2188)	1:49:B:LYS:HE2	1:49:B:LYS:HE3	17	0.34
(1,2188)	1:39:B:LYS:HE3	1:39:B:LYS:HE2	19	0.34
(1,2188)	1:49:B:LYS:HE2	1:49:B:LYS:HE3	20	0.34
(1,2187)	1:51:A:LYS:HE2	1:51:A:LYS:HE3	1	0.34
(1,2187)	1:51:A:LYS:HE2	1:51:A:LYS:HE3	2	0.34
(1,2187)	1:39:A:LYS:HE3	1:39:A:LYS:HE2	3	0.34
(1,2187)	1:51:A:LYS:HE2	1:51:A:LYS:HE3	4	0.34
(1,2187)	1:39:A:LYS:HE3	1:39:A:LYS:HE2	5	0.34
(1,2187)	1:39:A:LYS:HE3	1:39:A:LYS:HE2	6	0.34
(1,2187)	1:51:A:LYS:HE2	1:51:A:LYS:HE3	7	0.34
(1,2187)	1:39:A:LYS:HE3	1:39:A:LYS:HE2	8	0.34
(1,2187)	1:49:A:LYS:HE2	1:49:A:LYS:HE3	10	0.34
(1,2187)	1:49:A:LYS:HE2	1:49:A:LYS:HE3	11	0.34
(1,2187)	1:49:A:LYS:HE2	1:49:A:LYS:HE3	12	0.34
(1,2187)	1:49:A:LYS:HE2	1:49:A:LYS:HE3	13	0.34
(1,2187)	1:51:A:LYS:HE2	1:51:A:LYS:HE3	14	0.34
(1,2187)	1:49:A:LYS:HE2	1:49:A:LYS:HE3	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2187)	1:51:A:LYS:HE2	1:51:A:LYS:HE3	16	0.34
(1,2187)	1:49:A:LYS:HE2	1:49:A:LYS:HE3	17	0.34
(1,2187)	1:39:A:LYS:HE3	1:39:A:LYS:HE2	19	0.34
(1,2187)	1:49:A:LYS:HE2	1:49:A:LYS:HE3	20	0.34
(1,2164)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	6	0.34
(1,2164)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	15	0.34
(1,2163)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	8	0.34
(1,2163)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	15	0.34
(1,2150)	1:67:B:GLU:HA	1:30:B:LYS:HA	13	0.34
(1,2149)	1:67:A:GLU:HA	1:30:A:LYS:HA	13	0.34
(1,2146)	1:79:B:ALA:HB3	1:80:B:ILE:HA	7	0.34
(1,2145)	1:79:A:ALA:HB3	1:80:A:ILE:HA	7	0.34
(1,2145)	1:79:A:ALA:HB3	1:80:A:ILE:HA	15	0.34
(1,2100)	1:8:B:LEU:HG	1:9:B:GLU:HA	16	0.34
(1,2099)	1:8:A:LEU:HG	1:9:A:GLU:HA	16	0.34
(1,2082)	1:78:B:VAL:HG23	1:74:B:PHE:HA	9	0.34
(1,2081)	1:78:A:VAL:HG23	1:74:A:PHE:HA	9	0.34
(1,2072)	1:74:B:PHE:HA	1:76:B:SER:HB3	11	0.34
(1,2072)	1:74:B:PHE:HA	1:76:B:SER:HB3	16	0.34
(1,2071)	1:74:A:PHE:HA	1:76:A:SER:HB3	11	0.34
(1,2071)	1:74:A:PHE:HA	1:76:A:SER:HB3	16	0.34
(1,1980)	1:75:B:ILE:HB	1:73:B:GLU:HA	11	0.34
(1,1979)	1:75:A:ILE:HB	1:73:A:GLU:HA	11	0.34
(1,1936)	1:83:B:LYS:HD3	1:91:B:LYS:HA	14	0.34
(1,1935)	1:83:A:LYS:HD3	1:91:A:LYS:HA	14	0.34
(1,1902)	1:84:B:ALA:HB2	1:88:B:HIS:HA	20	0.34
(1,1894)	1:91:B:LYS:HG2	1:90:B:HIS:HA	4	0.34
(1,1894)	1:91:B:LYS:HG2	1:90:B:HIS:HA	7	0.34
(1,1893)	1:91:A:LYS:HG2	1:90:A:HIS:HA	4	0.34
(1,1893)	1:91:A:LYS:HG2	1:90:A:HIS:HA	7	0.34
(1,1888)	1:51:B:LYS:HD2	1:50:B:ASP:HA	3	0.34
(1,1822)	1:41:B:LEU:H	1:48:B:ILE:HG12	10	0.34
(1,1821)	1:41:A:LEU:H	1:48:A:ILE:HG12	10	0.34
(1,1804)	1:85:B:ALA:HB1	1:12:A:VAL:H	12	0.34
(1,1804)	1:84:B:ALA:H	1:85:B:ALA:HB2	19	0.34
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD23	9	0.34
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD22	10	0.34
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD23	16	0.34
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD23	9	0.34
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD23	16	0.34
(1,1750)	1:45:B:ILE:HG22	1:91:B:LYS:H	20	0.34
(1,1737)	1:75:A:ILE:HG23	1:82:B:LEU:HD11	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1737)	1:75:A:ILE:HG23	1:82:B:LEU:HD11	7	0.34
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD12	7	0.34
(1,1688)	1:12:B:VAL:HG21	1:82:A:LEU:HA	14	0.34
(1,1618)	1:63:B:ALA:H	1:61:B:LEU:HB3	17	0.34
(1,1500)	1:83:B:LYS:H	1:83:B:LYS:HB3	5	0.34
(1,1500)	1:83:B:LYS:H	1:83:B:LYS:HB3	11	0.34
(1,1499)	1:83:A:LYS:H	1:83:A:LYS:HB3	5	0.34
(1,1499)	1:83:A:LYS:H	1:83:A:LYS:HB3	11	0.34
(1,842)	1:78:B:VAL:HG12	1:36:B:LEU:HD21	8	0.34
(1,841)	1:78:A:VAL:HG12	1:36:A:LEU:HD21	8	0.34
(1,650)	1:49:B:LYS:HG2	1:49:B:LYS:HA	1	0.34
(1,649)	1:49:A:LYS:HG2	1:49:A:LYS:HA	1	0.34
(1,646)	1:48:B:ILE:HG12	1:48:B:ILE:HA	12	0.34
(1,646)	1:48:B:ILE:HG12	1:48:B:ILE:HA	14	0.34
(1,645)	1:48:A:ILE:HG12	1:48:A:ILE:HA	12	0.34
(1,645)	1:48:A:ILE:HG12	1:48:A:ILE:HA	14	0.34
(1,610)	1:63:B:ALA:HB1	1:62:B:ASP:HB3	7	0.34
(1,609)	1:63:A:ALA:HB1	1:62:A:ASP:HB3	7	0.34
(1,572)	1:49:B:LYS:HB3	1:49:B:LYS:HD2	8	0.34
(1,572)	1:49:B:LYS:HB3	1:49:B:LYS:HD2	14	0.34
(1,571)	1:49:A:LYS:HB3	1:49:A:LYS:HD2	8	0.34
(1,369)	1:91:A:LYS:HE3	1:90:A:HIS:HB3	4	0.34
(1,330)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	6	0.34
(1,330)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	15	0.34
(1,329)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	8	0.34
(1,329)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	15	0.34
(1,242)	1:53:B:VAL:HG22	1:48:B:ILE:HA	1	0.34
(1,242)	1:53:B:VAL:HG22	1:48:B:ILE:HA	4	0.34
(1,241)	1:53:A:VAL:HG22	1:48:A:ILE:HA	1	0.34
(1,213)	1:37:A:LEU:HD13	1:33:A:LEU:HA	7	0.34
(1,192)	1:39:B:LYS:HD2	1:35:B:GLN:HA	16	0.34
(1,191)	1:39:A:LYS:HD2	1:35:A:GLN:HA	5	0.34
(1,167)	1:39:A:LYS:HG3	1:39:A:LYS:HA	15	0.34
(1,124)	1:36:B:LEU:HD23	1:42:B:ALA:H	7	0.34
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG12	5	0.34
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG13	8	0.34
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG12	15	0.34
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG13	19	0.34
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG12	20	0.34
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG12	5	0.34
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG13	8	0.34
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG11	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG12	15	0.34
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG12	20	0.34
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD12	17	0.34
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD12	17	0.34
(2,56)	1:70:B:ASP:HB3	1:74:B:PHE:HB2	9	0.33
(2,55)	1:70:A:ASP:HB3	1:74:A:PHE:HB2	9	0.33
(2,10)	1:80:B:ILE:H	1:91:B:LYS:HD3	12	0.33
(1,3826)	1:30:B:LYS:H	1:30:B:LYS:HG3	3	0.33
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG23	11	0.33
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG21	14	0.33
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG23	11	0.33
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG21	14	0.33
(1,3802)	1:10:B:GLY:H	1:12:B:VAL:HG21	15	0.33
(1,3801)	1:10:A:GLY:H	1:12:A:VAL:HG21	15	0.33
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG21	5	0.33
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG21	5	0.33
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG23	20	0.33
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG23	3	0.33
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG22	15	0.33
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG23	1	0.33
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG23	3	0.33
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG22	15	0.33
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG23	9	0.33
(1,3726)	1:41:B:LEU:H	1:48:B:ILE:HG13	7	0.33
(1,3725)	1:41:A:LEU:H	1:48:A:ILE:HG13	7	0.33
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG12	10	0.33
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG11	20	0.33
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG12	10	0.33
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG11	20	0.33
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD12	14	0.33
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD12	18	0.33
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD12	14	0.33
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD12	18	0.33
(1,3695)	1:8:A:LEU:H	1:44:B:THR:HG22	11	0.33
(1,3694)	1:75:B:ILE:H	1:83:A:LYS:HG3	19	0.33
(1,3693)	1:75:A:ILE:H	1:83:B:LYS:HG3	19	0.33
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB2	20	0.33
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB3	5	0.33
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB3	17	0.33
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB3	17	0.33
(1,3622)	1:87:B:TYR:H	1:85:B:ALA:HB2	19	0.33
(1,3621)	1:87:A:TYR:H	1:85:A:ALA:HB2	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3614)	1:52:B:ALA:H	1:51:B:LYS:HD2	17	0.33
(1,3613)	1:52:A:ALA:H	1:51:A:LYS:HD2	17	0.33
(1,3606)	1:41:B:LEU:H	1:39:B:LYS:HG2	7	0.33
(1,3606)	1:41:B:LEU:H	1:39:B:LYS:HG2	12	0.33
(1,3605)	1:41:A:LEU:H	1:39:A:LYS:HG2	7	0.33
(1,3605)	1:41:A:LEU:H	1:39:A:LYS:HG2	12	0.33
(1,3596)	1:85:B:ALA:H	1:91:B:LYS:HB2	14	0.33
(1,3596)	1:85:B:ALA:H	1:91:B:LYS:HB2	17	0.33
(1,3595)	1:85:A:ALA:H	1:91:A:LYS:HB2	14	0.33
(1,3595)	1:85:A:ALA:H	1:91:A:LYS:HB2	17	0.33
(1,3595)	1:85:A:ALA:H	1:91:A:LYS:HB2	19	0.33
(1,3592)	1:80:B:ILE:H	1:91:B:LYS:HD3	12	0.33
(1,3518)	1:10:B:GLY:H	1:9:B:GLU:HG3	13	0.33
(1,3517)	1:10:A:GLY:H	1:9:A:GLU:HG3	9	0.33
(1,3517)	1:10:A:GLY:H	1:9:A:GLU:HG3	13	0.33
(1,3517)	1:10:A:GLY:H	1:9:A:GLU:HG3	17	0.33
(1,3494)	1:64:B:ASN:H	1:65:B:GLN:HB3	7	0.33
(1,3479)	1:85:A:ALA:H	1:12:B:VAL:HB	2	0.33
(1,3478)	1:70:B:ASP:H	1:72:B:GLN:HG2	6	0.33
(1,3477)	1:70:A:ASP:H	1:72:A:GLN:HG2	6	0.33
(1,3474)	1:55:B:ASP:H	1:53:B:VAL:HB	16	0.33
(1,3474)	1:55:B:ASP:H	1:53:B:VAL:HB	20	0.33
(1,3473)	1:55:A:ASP:H	1:53:A:VAL:HB	20	0.33
(1,3465)	1:58:A:PHE:H	1:59:A:GLN:HG2	5	0.33
(1,3414)	1:59:B:GLN:H	1:54:B:ILE:HA	7	0.33
(1,3413)	1:59:A:GLN:H	1:54:A:ILE:HA	7	0.33
(1,3322)	1:60:B:GLY:H	1:61:B:LEU:HA	7	0.33
(1,3322)	1:60:B:GLY:H	1:61:B:LEU:HA	16	0.33
(1,3322)	1:60:B:GLY:H	1:61:B:LEU:HA	18	0.33
(1,3321)	1:60:A:GLY:H	1:61:A:LEU:HA	7	0.33
(1,3321)	1:60:A:GLY:H	1:61:A:LEU:HA	16	0.33
(1,3286)	1:76:B:SER:H	1:72:B:GLN:H	1	0.33
(1,3285)	1:76:A:SER:H	1:72:A:GLN:H	1	0.33
(1,3236)	1:12:B:VAL:H	1:14:B:ILE:H	7	0.33
(1,3198)	1:75:B:ILE:HG23	1:75:B:ILE:HA	9	0.33
(1,3197)	1:75:A:ILE:HG23	1:75:A:ILE:HA	9	0.33
(1,3180)	1:30:B:LYS:HG2	1:55:B:ASP:HB2	19	0.33
(1,3179)	1:30:A:LYS:HG2	1:55:A:ASP:HB2	19	0.33
(1,3139)	1:53:A:VAL:HG21	1:56:A:GLU:HG3	5	0.33
(1,3087)	1:30:A:LYS:HD3	1:67:A:GLU:HG3	18	0.33
(1,3056)	1:37:B:LEU:HD21	1:40:B:GLU:HB3	13	0.33
(1,3055)	1:37:A:LEU:HD21	1:40:A:GLU:HB3	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3054)	1:86:B:HIS:HB3	1:12:A:VAL:HG13	15	0.33
(1,3052)	1:40:B:GLU:HG2	1:37:B:LEU:HD21	13	0.33
(1,3051)	1:40:A:GLU:HG2	1:37:A:LEU:HD22	4	0.33
(1,3051)	1:40:A:GLU:HG2	1:37:A:LEU:HD21	13	0.33
(1,3046)	1:37:B:LEU:HD11	1:38:B:THR:HA	18	0.33
(1,3038)	1:35:B:GLN:HB3	1:36:B:LEU:HG	19	0.33
(1,3037)	1:35:A:GLN:HB3	1:36:A:LEU:HG	19	0.33
(1,2990)	1:32:B:GLU:HB2	1:33:B:LEU:HD13	14	0.33
(1,2989)	1:32:A:GLU:HB2	1:33:A:LEU:HD13	14	0.33
(1,2960)	1:89:B:THR:HG23	1:88:B:HIS:HB2	20	0.33
(1,2959)	1:89:A:THR:HG23	1:88:A:HIS:HB2	20	0.33
(1,2914)	1:45:B:ILE:HG13	1:42:B:ALA:HA	6	0.33
(1,2913)	1:45:A:ILE:HG13	1:42:A:ALA:HA	6	0.33
(1,2900)	1:83:B:LYS:HG2	1:83:B:LYS:HG3	2	0.33
(1,2900)	1:83:B:LYS:HG2	1:83:B:LYS:HG3	8	0.33
(1,2899)	1:83:A:LYS:HG2	1:83:A:LYS:HG3	2	0.33
(1,2899)	1:83:A:LYS:HG2	1:83:A:LYS:HG3	8	0.33
(1,2892)	1:82:B:LEU:HG	1:78:B:VAL:HB	2	0.33
(1,2892)	1:82:B:LEU:HG	1:78:B:VAL:HB	10	0.33
(1,2892)	1:82:B:LEU:HG	1:78:B:VAL:HB	20	0.33
(1,2891)	1:82:A:LEU:HG	1:78:A:VAL:HB	2	0.33
(1,2891)	1:82:A:LEU:HG	1:78:A:VAL:HB	10	0.33
(1,2891)	1:82:A:LEU:HG	1:78:A:VAL:HB	20	0.33
(1,2845)	1:30:A:LYS:HB2	1:58:A:PHE:HB3	19	0.33
(1,2843)	1:42:A:ALA:HB2	1:43:A:ASN:HB3	11	0.33
(1,2812)	1:37:B:LEU:HD21	1:33:B:LEU:HG	1	0.33
(1,2811)	1:37:A:LEU:HD21	1:33:A:LEU:HG	1	0.33
(1,2799)	1:67:A:GLU:HG3	1:62:A:ASP:HB3	11	0.33
(1,2702)	1:51:B:LYS:HE3	1:51:B:LYS:HD2	3	0.33
(1,2702)	1:49:B:LYS:HD3	1:49:B:LYS:HE2	7	0.33
(1,2701)	1:51:A:LYS:HE3	1:51:A:LYS:HD2	3	0.33
(1,2701)	1:49:A:LYS:HD3	1:49:A:LYS:HE2	7	0.33
(1,2679)	1:49:A:LYS:HB2	1:47:A:ASN:HB3	5	0.33
(1,2679)	1:49:A:LYS:HB2	1:47:A:ASN:HB3	12	0.33
(1,2679)	1:49:A:LYS:HB2	1:47:A:ASN:HB3	17	0.33
(1,2664)	1:8:B:LEU:HD13	1:41:A:LEU:HB3	2	0.33
(1,2663)	1:8:A:LEU:HD13	1:41:B:LEU:HB3	2	0.33
(1,2663)	1:8:A:LEU:HD13	1:41:B:LEU:HB3	10	0.33
(1,2662)	1:30:B:LYS:HG3	1:34:B:LYS:HB2	18	0.33
(1,2662)	1:30:B:LYS:HG3	1:34:B:LYS:HB2	20	0.33
(1,2661)	1:30:A:LYS:HG3	1:34:A:LYS:HB2	20	0.33
(1,2648)	1:67:B:GLU:HG2	1:68:B:GLN:HB2	5	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2647)	1:67:A:GLU:HG2	1:68:A:GLN:HB2	5	0.33
(1,2630)	1:81:B:ALA:HB1	1:80:B:ILE:HB	18	0.33
(1,2629)	1:81:A:ALA:HB1	1:80:A:ILE:HB	18	0.33
(1,2606)	1:49:B:LYS:HB3	1:49:B:LYS:HE3	5	0.33
(1,2606)	1:46:B:LYS:HB3	1:46:B:LYS:HE2	19	0.33
(1,2605)	1:49:A:LYS:HB3	1:49:A:LYS:HE3	5	0.33
(1,2605)	1:46:A:LYS:HB3	1:46:A:LYS:HE2	19	0.33
(1,2595)	1:85:A:ALA:HB3	1:9:B:GLU:HB3	17	0.33
(1,2582)	1:80:B:ILE:HB	1:81:B:ALA:HA	1	0.33
(1,2582)	1:80:B:ILE:HB	1:81:B:ALA:HA	6	0.33
(1,2581)	1:80:A:ILE:HB	1:81:A:ALA:HA	1	0.33
(1,2581)	1:80:A:ILE:HB	1:81:A:ALA:HA	6	0.33
(1,2581)	1:80:A:ILE:HB	1:81:A:ALA:HA	19	0.33
(1,2564)	1:87:B:TYR:HB3	1:83:B:LYS:HB2	11	0.33
(1,2563)	1:87:A:TYR:HB3	1:83:A:LYS:HB2	11	0.33
(1,2546)	1:36:B:LEU:HD23	1:33:B:LEU:HB2	10	0.33
(1,2545)	1:36:A:LEU:HD23	1:33:A:LEU:HB2	10	0.33
(1,2518)	1:54:B:ILE:HB	1:56:B:GLU:HB2	2	0.33
(1,2518)	1:54:B:ILE:HB	1:56:B:GLU:HB2	3	0.33
(1,2517)	1:54:A:ILE:HB	1:56:A:GLU:HB2	2	0.33
(1,2517)	1:54:A:ILE:HB	1:56:A:GLU:HB2	3	0.33
(1,2517)	1:54:A:ILE:HB	1:56:A:GLU:HB2	18	0.33
(1,2514)	1:47:B:ASN:HB3	1:46:B:LYS:HD3	19	0.33
(1,2514)	1:47:B:ASN:HB3	1:46:B:LYS:HD2	20	0.33
(1,2513)	1:47:A:ASN:HB3	1:46:A:LYS:HD3	19	0.33
(1,2508)	1:10:B:GLY:HA3	1:9:B:GLU:HB3	19	0.33
(1,2507)	1:10:A:GLY:HA3	1:9:A:GLU:HB3	19	0.33
(1,2506)	1:61:B:LEU:HG	1:60:B:GLY:HA3	17	0.33
(1,2505)	1:61:A:LEU:HG	1:60:A:GLY:HA3	10	0.33
(1,2505)	1:61:A:LEU:HG	1:60:A:GLY:HA3	17	0.33
(1,2484)	1:54:B:ILE:HB	1:56:B:GLU:HB2	2	0.33
(1,2484)	1:54:B:ILE:HB	1:56:B:GLU:HB2	3	0.33
(1,2483)	1:54:A:ILE:HB	1:56:A:GLU:HB2	2	0.33
(1,2483)	1:54:A:ILE:HB	1:56:A:GLU:HB2	3	0.33
(1,2483)	1:54:A:ILE:HB	1:56:A:GLU:HB2	18	0.33
(1,2478)	1:55:B:ASP:HB3	1:56:B:GLU:HB2	9	0.33
(1,2474)	1:32:B:GLU:HG2	1:31:B:GLY:HA3	13	0.33
(1,2474)	1:32:B:GLU:HG2	1:31:B:GLY:HA3	14	0.33
(1,2474)	1:32:B:GLU:HG2	1:31:B:GLY:HA3	19	0.33
(1,2473)	1:32:A:GLU:HG3	1:31:A:GLY:HA3	11	0.33
(1,2473)	1:32:A:GLU:HG2	1:31:A:GLY:HA3	19	0.33
(1,2430)	1:67:B:GLU:HG2	1:59:B:GLN:HG2	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2425)	1:67:A:GLU:HG3	1:30:A:LYS:HE3	4	0.33
(1,2388)	1:12:B:VAL:HB	1:13:B:ASN:HB2	20	0.33
(1,2387)	1:12:A:VAL:HB	1:13:A:ASN:HB2	20	0.33
(1,2380)	1:39:B:LYS:HE2	1:35:B:GLN:HG2	1	0.33
(1,2379)	1:39:A:LYS:HE2	1:35:A:GLN:HG2	1	0.33
(1,2296)	1:59:B:GLN:HG3	1:55:B:ASP:HB3	15	0.33
(1,2295)	1:59:A:GLN:HG3	1:55:A:ASP:HB3	15	0.33
(1,2264)	1:88:B:HIS:HB3	1:86:B:HIS:HB2	15	0.33
(1,2263)	1:88:A:HIS:HB3	1:86:A:HIS:HB2	15	0.33
(1,2260)	1:72:B:GLN:HA	1:75:B:ILE:HA	14	0.33
(1,2259)	1:72:A:GLN:HA	1:75:A:ILE:HA	14	0.33
(1,2233)	1:89:A:THR:HG22	1:83:A:LYS:HE2	13	0.33
(1,2221)	1:30:A:LYS:HB2	1:58:A:PHE:HB3	6	0.33
(1,2202)	1:8:B:LEU:HD12	1:78:A:VAL:HA	15	0.33
(1,2202)	1:8:B:LEU:HD13	1:78:A:VAL:HA	19	0.33
(1,2201)	1:8:A:LEU:HD11	1:78:B:VAL:HA	10	0.33
(1,2201)	1:8:A:LEU:HD12	1:78:B:VAL:HA	15	0.33
(1,2188)	1:39:B:LYS:HE3	1:39:B:LYS:HE2	9	0.33
(1,2188)	1:51:B:LYS:HE2	1:51:B:LYS:HE3	12	0.33
(1,2188)	1:49:B:LYS:HE2	1:49:B:LYS:HE3	15	0.33
(1,2188)	1:39:B:LYS:HE3	1:39:B:LYS:HE2	18	0.33
(1,2187)	1:39:A:LYS:HE3	1:39:A:LYS:HE2	9	0.33
(1,2187)	1:39:A:LYS:HE3	1:39:A:LYS:HE2	18	0.33
(1,2163)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	6	0.33
(1,2146)	1:79:B:ALA:HB3	1:80:B:ILE:HA	15	0.33
(1,2100)	1:8:B:LEU:HG	1:9:B:GLU:HA	8	0.33
(1,2100)	1:8:B:LEU:HG	1:9:B:GLU:HA	9	0.33
(1,2099)	1:8:A:LEU:HG	1:9:A:GLU:HA	8	0.33
(1,2099)	1:8:A:LEU:HG	1:9:A:GLU:HA	9	0.33
(1,2072)	1:74:B:PHE:HA	1:76:B:SER:HB3	7	0.33
(1,2071)	1:74:A:PHE:HA	1:76:A:SER:HB3	7	0.33
(1,1896)	1:12:B:VAL:HG23	1:13:B:ASN:HA	1	0.33
(1,1894)	1:91:B:LYS:HG2	1:90:B:HIS:HA	9	0.33
(1,1888)	1:51:B:LYS:HD2	1:50:B:ASP:HA	16	0.33
(1,1887)	1:51:A:LYS:HD2	1:50:A:ASP:HA	16	0.33
(1,1812)	1:44:B:THR:H	1:46:B:LYS:HA	1	0.33
(1,1811)	1:44:A:THR:H	1:46:A:LYS:HA	1	0.33
(1,1804)	1:85:B:ALA:HB3	1:12:A:VAL:H	16	0.33
(1,1803)	1:84:A:ALA:H	1:85:A:ALA:HB2	19	0.33
(1,1751)	1:75:A:ILE:HG23	1:79:B:ALA:H	3	0.33
(1,1749)	1:45:A:ILE:HG22	1:91:A:LYS:H	20	0.33
(1,1743)	1:63:A:ALA:H	1:61:A:LEU:HG	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1738)	1:75:B:ILE:HG23	1:82:A:LEU:HD11	4	0.33
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD11	1	0.33
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD11	1	0.33
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD12	7	0.33
(1,1724)	1:80:B:ILE:HG21	1:8:A:LEU:HD12	11	0.33
(1,1723)	1:80:A:ILE:HG23	1:8:B:LEU:HD12	13	0.33
(1,1704)	1:8:B:LEU:HG	1:45:A:ILE:HG13	7	0.33
(1,1703)	1:8:A:LEU:HG	1:45:B:ILE:HG13	7	0.33
(1,1687)	1:12:A:VAL:HG21	1:82:B:LEU:HA	14	0.33
(1,1634)	1:10:B:GLY:H	1:12:B:VAL:HG11	16	0.33
(1,1633)	1:10:A:GLY:H	1:12:A:VAL:HG11	16	0.33
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG21	9	0.33
(1,1618)	1:63:B:ALA:H	1:61:B:LEU:HB3	18	0.33
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD13	9	0.33
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD13	9	0.33
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB3	8	0.33
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB3	8	0.33
(1,1482)	1:3:B:LYS:H	1:6:B:GLU:HB2	8	0.33
(1,1472)	1:63:B:ALA:H	1:73:B:GLU:HB3	8	0.33
(1,1471)	1:63:A:ALA:H	1:73:A:GLU:HB3	8	0.33
(1,662)	1:57:B:ILE:HG12	1:80:B:ILE:HG12	3	0.33
(1,661)	1:57:A:ILE:HG12	1:80:A:ILE:HG12	3	0.33
(1,646)	1:48:B:ILE:HG12	1:48:B:ILE:HA	4	0.33
(1,646)	1:48:B:ILE:HG12	1:48:B:ILE:HA	6	0.33
(1,646)	1:48:B:ILE:HG12	1:48:B:ILE:HA	11	0.33
(1,646)	1:48:B:ILE:HG12	1:48:B:ILE:HA	13	0.33
(1,645)	1:48:A:ILE:HG12	1:48:A:ILE:HA	4	0.33
(1,645)	1:48:A:ILE:HG12	1:48:A:ILE:HA	6	0.33
(1,645)	1:48:A:ILE:HG12	1:48:A:ILE:HA	11	0.33
(1,645)	1:48:A:ILE:HG12	1:48:A:ILE:HA	13	0.33
(1,618)	1:42:B:ALA:HB2	1:43:B:ASN:HB3	16	0.33
(1,610)	1:63:B:ALA:HB1	1:62:B:ASP:HB3	19	0.33
(1,609)	1:63:A:ALA:HB1	1:62:A:ASP:HB3	19	0.33
(1,466)	1:36:B:LEU:HD22	1:40:B:GLU:HG3	10	0.33
(1,465)	1:36:A:LEU:HD22	1:40:A:GLU:HG3	16	0.33
(1,419)	1:53:A:VAL:HB	1:50:A:ASP:HB2	8	0.33
(1,370)	1:91:B:LYS:HE3	1:90:B:HIS:HB3	4	0.33
(1,370)	1:91:B:LYS:HE3	1:90:B:HIS:HB3	7	0.33
(1,369)	1:91:A:LYS:HE3	1:90:A:HIS:HB3	7	0.33
(1,329)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	6	0.33
(1,314)	1:11:B:ILE:HA	1:7:A:HIS:HB3	16	0.33
(1,314)	1:11:B:ILE:HA	1:7:A:HIS:HB3	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,313)	1:11:A:ILE:HA	1:7:B:HIS:HB3	16	0.33
(1,242)	1:53:B:VAL:HG22	1:48:B:ILE:HA	3	0.33
(1,242)	1:53:B:VAL:HG23	1:48:B:ILE:HA	6	0.33
(1,242)	1:53:B:VAL:HG23	1:48:B:ILE:HA	7	0.33
(1,242)	1:53:B:VAL:HG21	1:48:B:ILE:HA	8	0.33
(1,242)	1:53:B:VAL:HG23	1:48:B:ILE:HA	9	0.33
(1,242)	1:53:B:VAL:HG23	1:48:B:ILE:HA	14	0.33
(1,241)	1:53:A:VAL:HG22	1:48:A:ILE:HA	3	0.33
(1,241)	1:53:A:VAL:HG23	1:48:A:ILE:HA	7	0.33
(1,241)	1:53:A:VAL:HG21	1:48:A:ILE:HA	8	0.33
(1,241)	1:53:A:VAL:HG23	1:48:A:ILE:HA	14	0.33
(1,214)	1:37:B:LEU:HD13	1:33:B:LEU:HA	12	0.33
(1,213)	1:37:A:LEU:HD13	1:33:A:LEU:HA	12	0.33
(1,192)	1:39:B:LYS:HD2	1:35:B:GLN:HA	5	0.33
(1,191)	1:39:A:LYS:HD2	1:35:A:GLN:HA	16	0.33
(1,168)	1:39:B:LYS:HG3	1:39:B:LYS:HA	2	0.33
(1,168)	1:39:B:LYS:HG3	1:39:B:LYS:HA	15	0.33
(1,168)	1:39:B:LYS:HG3	1:39:B:LYS:HA	16	0.33
(1,168)	1:39:B:LYS:HG3	1:39:B:LYS:HA	20	0.33
(1,167)	1:39:A:LYS:HG3	1:39:A:LYS:HA	2	0.33
(1,167)	1:39:A:LYS:HG3	1:39:A:LYS:HA	11	0.33
(1,167)	1:39:A:LYS:HG3	1:39:A:LYS:HA	13	0.33
(1,167)	1:39:A:LYS:HG3	1:39:A:LYS:HA	16	0.33
(1,167)	1:39:A:LYS:HG3	1:39:A:LYS:HA	20	0.33
(1,76)	1:41:B:LEU:H	1:40:B:GLU:HG2	14	0.33
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG11	1	0.33
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG11	2	0.33
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG11	6	0.33
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG11	14	0.33
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG11	1	0.33
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG11	2	0.33
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG11	6	0.33
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD12	18	0.33
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD12	18	0.33
(2,56)	1:70:B:ASP:HB3	1:74:B:PHE:HB2	11	0.32
(2,55)	1:70:A:ASP:HB3	1:74:A:PHE:HB2	11	0.32
(2,55)	1:70:A:ASP:HB3	1:74:A:PHE:HB2	19	0.32
(2,9)	1:80:A:ILE:H	1:91:A:LYS:HD3	12	0.32
(1,3825)	1:30:A:LYS:H	1:30:A:LYS:HG3	3	0.32
(1,3802)	1:10:B:GLY:H	1:12:B:VAL:HG23	5	0.32
(1,3801)	1:10:A:GLY:H	1:12:A:VAL:HG23	5	0.32
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG23	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG21	15	0.32
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG23	9	0.32
(1,3727)	1:55:A:ASP:H	1:53:A:VAL:HG12	10	0.32
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG13	11	0.32
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG13	11	0.32
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD12	9	0.32
(1,3698)	1:46:B:LYS:H	1:45:B:ILE:HG13	7	0.32
(1,3697)	1:46:A:LYS:H	1:45:A:ILE:HG13	7	0.32
(1,3697)	1:46:A:LYS:H	1:45:A:ILE:HG13	20	0.32
(1,3696)	1:8:B:LEU:H	1:44:A:THR:HG22	11	0.32
(1,3692)	1:75:B:ILE:H	1:61:B:LEU:HB3	8	0.32
(1,3691)	1:75:A:ILE:H	1:61:A:LEU:HB3	8	0.32
(1,3647)	1:8:A:LEU:H	1:85:B:ALA:HB3	12	0.32
(1,3607)	1:43:A:ASN:H	1:49:A:LYS:HD3	18	0.32
(1,3606)	1:41:B:LEU:H	1:39:B:LYS:HG2	4	0.32
(1,3605)	1:41:A:LEU:H	1:39:A:LYS:HG2	4	0.32
(1,3604)	1:58:B:PHE:H	1:61:B:LEU:HB2	1	0.32
(1,3603)	1:58:A:PHE:H	1:61:A:LEU:HB2	1	0.32
(1,3591)	1:80:A:ILE:H	1:91:A:LYS:HD3	12	0.32
(1,3517)	1:10:A:GLY:H	1:9:A:GLU:HG3	18	0.32
(1,3506)	1:18:B:TYR:H	1:40:B:GLU:HG3	4	0.32
(1,3494)	1:64:B:ASN:H	1:65:B:GLN:HB3	13	0.32
(1,3493)	1:64:A:ASN:H	1:65:A:GLN:HB3	7	0.32
(1,3493)	1:64:A:ASN:H	1:65:A:GLN:HB3	13	0.32
(1,3474)	1:55:B:ASP:H	1:53:B:VAL:HB	3	0.32
(1,3474)	1:55:B:ASP:H	1:53:B:VAL:HB	10	0.32
(1,3473)	1:55:A:ASP:H	1:53:A:VAL:HB	3	0.32
(1,3473)	1:55:A:ASP:H	1:53:A:VAL:HB	10	0.32
(1,3473)	1:55:A:ASP:H	1:53:A:VAL:HB	16	0.32
(1,3466)	1:58:B:PHE:H	1:59:B:GLN:HG2	5	0.32
(1,3466)	1:58:B:PHE:H	1:59:B:GLN:HG3	8	0.32
(1,3460)	1:57:B:ILE:H	1:55:B:ASP:HB3	17	0.32
(1,3459)	1:57:A:ILE:H	1:55:A:ASP:HB3	17	0.32
(1,3322)	1:60:B:GLY:H	1:61:B:LEU:HA	4	0.32
(1,3322)	1:60:B:GLY:H	1:61:B:LEU:HA	13	0.32
(1,3322)	1:60:B:GLY:H	1:61:B:LEU:HA	17	0.32
(1,3322)	1:60:B:GLY:H	1:61:B:LEU:HA	19	0.32
(1,3321)	1:60:A:GLY:H	1:61:A:LEU:HA	4	0.32
(1,3321)	1:60:A:GLY:H	1:61:A:LEU:HA	13	0.32
(1,3321)	1:60:A:GLY:H	1:61:A:LEU:HA	17	0.32
(1,3321)	1:60:A:GLY:H	1:61:A:LEU:HA	19	0.32
(1,3274)	1:52:B:ALA:H	1:50:B:ASP:H	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3273)	1:52:A:ALA:H	1:50:A:ASP:H	14	0.32
(1,3235)	1:12:A:VAL:H	1:14:A:ILE:H	7	0.32
(1,3160)	1:48:B:ILE:HG21	1:49:B:LYS:HG2	9	0.32
(1,3146)	1:88:B:HIS:HB2	1:12:A:VAL:HG21	1	0.32
(1,3145)	1:88:A:HIS:HB2	1:12:B:VAL:HG21	1	0.32
(1,3145)	1:88:A:HIS:HB2	1:12:B:VAL:HG22	12	0.32
(1,3140)	1:53:B:VAL:HG21	1:56:B:GLU:HG3	5	0.32
(1,3120)	1:82:B:LEU:HA	1:12:A:VAL:HG21	20	0.32
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG23	12	0.32
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG23	12	0.32
(1,3053)	1:86:A:HIS:HB3	1:12:B:VAL:HG13	15	0.32
(1,3052)	1:40:B:GLU:HG2	1:37:B:LEU:HD22	4	0.32
(1,3046)	1:37:B:LEU:HD11	1:38:B:THR:HA	13	0.32
(1,3045)	1:37:A:LEU:HD11	1:38:A:THR:HA	13	0.32
(1,3045)	1:37:A:LEU:HD11	1:38:A:THR:HA	18	0.32
(1,2972)	1:81:B:ALA:HB1	1:44:B:THR:HG23	4	0.32
(1,2892)	1:82:B:LEU:HG	1:78:B:VAL:HB	15	0.32
(1,2892)	1:82:B:LEU:HG	1:78:B:VAL:HB	19	0.32
(1,2891)	1:82:A:LEU:HG	1:78:A:VAL:HB	15	0.32
(1,2868)	1:77:B:LEU:HA	1:80:B:ILE:HG12	3	0.32
(1,2868)	1:77:B:LEU:HA	1:80:B:ILE:HG12	12	0.32
(1,2867)	1:77:A:LEU:HA	1:80:A:ILE:HG12	3	0.32
(1,2867)	1:77:A:LEU:HA	1:80:A:ILE:HG12	12	0.32
(1,2860)	1:53:B:VAL:HG13	1:46:B:LYS:HG3	20	0.32
(1,2859)	1:53:A:VAL:HG13	1:46:A:LYS:HG3	20	0.32
(1,2812)	1:37:B:LEU:HD21	1:33:B:LEU:HG	12	0.32
(1,2811)	1:37:A:LEU:HD21	1:33:A:LEU:HG	12	0.32
(1,2800)	1:67:B:GLU:HG3	1:62:B:ASP:HB3	11	0.32
(1,2780)	1:42:B:ALA:HB2	1:38:B:THR:HA	7	0.32
(1,2702)	1:51:B:LYS:HE2	1:51:B:LYS:HD2	2	0.32
(1,2702)	1:51:B:LYS:HE3	1:51:B:LYS:HD2	6	0.32
(1,2702)	1:51:B:LYS:HE2	1:51:B:LYS:HD2	12	0.32
(1,2702)	1:51:B:LYS:HE2	1:51:B:LYS:HD2	15	0.32
(1,2701)	1:49:A:LYS:HD2	1:49:A:LYS:HE3	2	0.32
(1,2701)	1:51:A:LYS:HE3	1:51:A:LYS:HD2	6	0.32
(1,2701)	1:51:A:LYS:HE2	1:51:A:LYS:HD2	12	0.32
(1,2701)	1:51:A:LYS:HE2	1:51:A:LYS:HD2	15	0.32
(1,2688)	1:30:B:LYS:HD3	1:51:B:LYS:HD2	19	0.32
(1,2687)	1:30:A:LYS:HD3	1:51:A:LYS:HD2	19	0.32
(1,2680)	1:49:B:LYS:HB2	1:47:B:ASN:HB3	5	0.32
(1,2680)	1:49:B:LYS:HB2	1:47:B:ASN:HB3	12	0.32
(1,2648)	1:67:B:GLU:HG2	1:68:B:GLN:HB2	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2647)	1:67:A:GLU:HG2	1:68:A:GLN:HB2	16	0.32
(1,2582)	1:80:B:ILE:HB	1:81:B:ALA:HA	5	0.32
(1,2581)	1:80:A:ILE:HB	1:81:A:ALA:HA	5	0.32
(1,2548)	1:82:B:LEU:HG	1:78:B:VAL:HB	12	0.32
(1,2548)	1:82:B:LEU:HG	1:78:B:VAL:HB	18	0.32
(1,2547)	1:82:A:LEU:HG	1:78:A:VAL:HB	12	0.32
(1,2547)	1:82:A:LEU:HG	1:78:A:VAL:HB	18	0.32
(1,2546)	1:36:B:LEU:HD21	1:33:B:LEU:HB2	15	0.32
(1,2545)	1:36:A:LEU:HD21	1:33:A:LEU:HB2	15	0.32
(1,2530)	1:53:B:VAL:HG11	1:46:B:LYS:HD2	13	0.32
(1,2529)	1:53:A:VAL:HG11	1:46:A:LYS:HD2	13	0.32
(1,2518)	1:54:B:ILE:HB	1:56:B:GLU:HB2	5	0.32
(1,2518)	1:54:B:ILE:HB	1:56:B:GLU:HB2	8	0.32
(1,2518)	1:54:B:ILE:HB	1:56:B:GLU:HB2	12	0.32
(1,2517)	1:54:A:ILE:HB	1:56:A:GLU:HB2	5	0.32
(1,2517)	1:54:A:ILE:HB	1:56:A:GLU:HB2	8	0.32
(1,2513)	1:47:A:ASN:HB3	1:46:A:LYS:HD2	20	0.32
(1,2508)	1:10:B:GLY:HA3	1:9:B:GLU:HB3	7	0.32
(1,2508)	1:10:B:GLY:HA3	1:9:B:GLU:HB2	13	0.32
(1,2507)	1:10:A:GLY:HA3	1:9:A:GLU:HB3	7	0.32
(1,2506)	1:61:B:LEU:HG	1:60:B:GLY:HA3	10	0.32
(1,2506)	1:61:B:LEU:HG	1:60:B:GLY:HA3	18	0.32
(1,2505)	1:61:A:LEU:HG	1:60:A:GLY:HA3	15	0.32
(1,2505)	1:61:A:LEU:HG	1:60:A:GLY:HA3	18	0.32
(1,2488)	1:72:B:GLN:HB2	1:72:B:GLN:HG3	10	0.32
(1,2487)	1:72:A:GLN:HB2	1:72:A:GLN:HG3	10	0.32
(1,2484)	1:54:B:ILE:HB	1:56:B:GLU:HB2	5	0.32
(1,2484)	1:54:B:ILE:HB	1:56:B:GLU:HB2	8	0.32
(1,2484)	1:54:B:ILE:HB	1:56:B:GLU:HB2	12	0.32
(1,2483)	1:54:A:ILE:HB	1:56:A:GLU:HB2	5	0.32
(1,2483)	1:54:A:ILE:HB	1:56:A:GLU:HB2	8	0.32
(1,2477)	1:55:A:ASP:HB3	1:56:A:GLU:HB2	9	0.32
(1,2426)	1:67:B:GLU:HG2	1:30:B:LYS:HE2	2	0.32
(1,2330)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	14	0.32
(1,2329)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	14	0.32
(1,2295)	1:59:A:GLN:HG2	1:55:A:ASP:HB3	12	0.32
(1,2293)	1:70:A:ASP:HB3	1:74:A:PHE:HB2	19	0.32
(1,2275)	1:72:A:GLN:HB3	1:83:B:LYS:HE3	20	0.32
(1,2264)	1:88:B:HIS:HB2	1:86:B:HIS:HB2	4	0.32
(1,2263)	1:88:A:HIS:HB2	1:86:A:HIS:HB2	4	0.32
(1,2260)	1:72:B:GLN:HA	1:75:B:ILE:HA	17	0.32
(1,2259)	1:72:A:GLN:HA	1:83:B:LYS:HE2	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2259)	1:72:A:GLN:HA	1:75:A:ILE:HA	17	0.32
(1,2240)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	11	0.32
(1,2240)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	13	0.32
(1,2239)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	11	0.32
(1,2239)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	13	0.32
(1,2222)	1:30:B:LYS:HB2	1:58:B:PHE:HB3	6	0.32
(1,2210)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	11	0.32
(1,2210)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	13	0.32
(1,2209)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	11	0.32
(1,2209)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	13	0.32
(1,2202)	1:8:B:LEU:HD12	1:78:A:VAL:HA	9	0.32
(1,2202)	1:8:B:LEU:HD11	1:78:A:VAL:HA	16	0.32
(1,2201)	1:8:A:LEU:HD11	1:78:B:VAL:HA	16	0.32
(1,2166)	1:12:B:VAL:HG21	1:88:A:HIS:HB2	1	0.32
(1,2166)	1:12:B:VAL:HG22	1:88:A:HIS:HB2	12	0.32
(1,2165)	1:12:A:VAL:HG21	1:88:B:HIS:HB2	1	0.32
(1,2164)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	16	0.32
(1,2150)	1:67:B:GLU:HA	1:30:B:LYS:HA	19	0.32
(1,2149)	1:67:A:GLU:HA	1:30:A:LYS:HA	19	0.32
(1,2112)	1:80:B:ILE:HD12	1:76:B:SER:HB3	8	0.32
(1,2112)	1:80:B:ILE:HD11	1:76:B:SER:HB3	20	0.32
(1,2111)	1:80:A:ILE:HD12	1:76:A:SER:HB3	8	0.32
(1,2111)	1:80:A:ILE:HD11	1:76:A:SER:HB3	20	0.32
(1,2100)	1:8:B:LEU:HG	1:9:B:GLU:HA	13	0.32
(1,2099)	1:8:A:LEU:HG	1:9:A:GLU:HA	13	0.32
(1,1941)	1:30:A:LYS:HD3	1:52:A:ALA:HA	7	0.32
(1,1895)	1:12:A:VAL:HG23	1:13:A:ASN:HA	1	0.32
(1,1893)	1:91:A:LYS:HG2	1:90:A:HIS:HA	9	0.32
(1,1888)	1:51:B:LYS:HD3	1:50:B:ASP:HA	13	0.32
(1,1887)	1:51:A:LYS:HD3	1:50:A:ASP:HA	13	0.32
(1,1822)	1:41:B:LEU:H	1:48:B:ILE:HG12	9	0.32
(1,1821)	1:41:A:LEU:H	1:48:A:ILE:HG12	9	0.32
(1,1811)	1:44:A:THR:H	1:46:A:LYS:HA	13	0.32
(1,1806)	1:57:B:ILE:HG22	1:61:B:LEU:H	15	0.32
(1,1804)	1:85:B:ALA:HB3	1:12:A:VAL:H	18	0.32
(1,1803)	1:85:A:ALA:HB3	1:12:B:VAL:H	16	0.32
(1,1752)	1:75:B:ILE:HG23	1:79:A:ALA:H	3	0.32
(1,1752)	1:75:B:ILE:HG21	1:79:A:ALA:H	8	0.32
(1,1751)	1:75:A:ILE:HG21	1:79:B:ALA:H	8	0.32
(1,1744)	1:63:B:ALA:H	1:61:B:LEU:HG	19	0.32
(1,1724)	1:80:B:ILE:HG23	1:8:A:LEU:HD12	13	0.32
(1,1723)	1:80:A:ILE:HG21	1:8:B:LEU:HD12	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1687)	1:12:A:VAL:HG22	1:82:B:LEU:HA	13	0.32
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG21	2	0.32
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG21	9	0.32
(1,1617)	1:63:A:ALA:H	1:61:A:LEU:HB3	18	0.32
(1,1481)	1:3:A:LYS:H	1:6:A:GLU:HB2	8	0.32
(1,650)	1:49:B:LYS:HG2	1:49:B:LYS:HA	6	0.32
(1,650)	1:49:B:LYS:HG2	1:49:B:LYS:HA	13	0.32
(1,649)	1:49:A:LYS:HG2	1:49:A:LYS:HA	5	0.32
(1,649)	1:49:A:LYS:HG2	1:49:A:LYS:HA	6	0.32
(1,649)	1:49:A:LYS:HG2	1:49:A:LYS:HA	7	0.32
(1,646)	1:48:B:ILE:HG12	1:48:B:ILE:HA	3	0.32
(1,646)	1:48:B:ILE:HG12	1:48:B:ILE:HA	10	0.32
(1,645)	1:48:A:ILE:HG12	1:48:A:ILE:HA	3	0.32
(1,645)	1:48:A:ILE:HG12	1:48:A:ILE:HA	10	0.32
(1,617)	1:42:A:ALA:HB2	1:43:A:ASN:HB3	16	0.32
(1,465)	1:36:A:LEU:HD22	1:40:A:GLU:HG3	10	0.32
(1,420)	1:53:B:VAL:HB	1:50:B:ASP:HB2	8	0.32
(1,388)	1:36:B:LEU:HD13	1:36:B:LEU:HA	12	0.32
(1,387)	1:36:A:LEU:HD13	1:36:A:LEU:HA	12	0.32
(1,381)	1:12:A:VAL:HG22	1:86:B:HIS:HB2	19	0.32
(1,330)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	16	0.32
(1,313)	1:11:A:ILE:HA	1:7:B:HIS:HB3	20	0.32
(1,300)	1:48:B:ILE:HD12	1:37:B:LEU:HA	10	0.32
(1,300)	1:48:B:ILE:HD12	1:37:B:LEU:HA	11	0.32
(1,299)	1:48:A:ILE:HD12	1:37:A:LEU:HA	10	0.32
(1,299)	1:48:A:ILE:HD12	1:37:A:LEU:HA	11	0.32
(1,296)	1:83:B:LYS:HB3	1:80:B:ILE:HA	11	0.32
(1,295)	1:83:A:LYS:HB3	1:80:A:ILE:HA	11	0.32
(1,241)	1:53:A:VAL:HG23	1:48:A:ILE:HA	6	0.32
(1,241)	1:53:A:VAL:HG23	1:48:A:ILE:HA	9	0.32
(1,213)	1:37:A:LEU:HD12	1:33:A:LEU:HA	6	0.32
(1,208)	1:32:B:GLU:HG2	1:32:B:GLU:HA	12	0.32
(1,207)	1:32:A:GLU:HG2	1:32:A:GLU:HA	12	0.32
(1,192)	1:39:B:LYS:HD2	1:35:B:GLN:HA	8	0.32
(1,192)	1:39:B:LYS:HD2	1:35:B:GLN:HA	11	0.32
(1,192)	1:39:B:LYS:HD2	1:35:B:GLN:HA	19	0.32
(1,191)	1:39:A:LYS:HD2	1:35:A:GLN:HA	11	0.32
(1,191)	1:39:A:LYS:HD2	1:35:A:GLN:HA	19	0.32
(1,191)	1:39:A:LYS:HD2	1:35:A:GLN:HA	20	0.32
(1,168)	1:39:B:LYS:HG3	1:39:B:LYS:HA	4	0.32
(1,168)	1:39:B:LYS:HG3	1:39:B:LYS:HA	10	0.32
(1,168)	1:39:B:LYS:HG3	1:39:B:LYS:HA	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,168)	1:39:B:LYS:HG3	1:39:B:LYS:HA	13	0.32
(1,168)	1:39:B:LYS:HG3	1:39:B:LYS:HA	17	0.32
(1,167)	1:39:A:LYS:HG3	1:39:A:LYS:HA	4	0.32
(1,167)	1:39:A:LYS:HG3	1:39:A:LYS:HA	10	0.32
(1,167)	1:39:A:LYS:HG3	1:39:A:LYS:HA	17	0.32
(1,120)	1:8:B:LEU:HD12	1:42:A:ALA:H	1	0.32
(1,119)	1:8:A:LEU:HD12	1:42:B:ALA:H	1	0.32
(1,84)	1:75:B:ILE:H	1:75:B:ILE:HD12	17	0.32
(1,83)	1:75:A:ILE:H	1:75:A:ILE:HD12	17	0.32
(1,75)	1:41:A:LEU:H	1:40:A:GLU:HG2	14	0.32
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG12	12	0.32
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG11	13	0.32
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG12	12	0.32
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD11	8	0.32
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD11	11	0.32
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD12	14	0.32
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD11	8	0.32
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD13	9	0.32
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD11	11	0.32
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD12	14	0.32
(2,71)	1:32:A:GLU:HB2	1:36:A:LEU:HB2	19	0.31
(2,56)	1:70:B:ASP:HB3	1:74:B:PHE:HB2	19	0.31
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG23	13	0.31
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG23	13	0.31
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG22	1	0.31
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG23	2	0.31
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG21	15	0.31
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG23	17	0.31
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG22	1	0.31
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG23	2	0.31
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG23	17	0.31
(1,3728)	1:55:B:ASP:H	1:53:B:VAL:HG12	10	0.31
(1,3716)	1:15:B:PHE:H	1:36:B:LEU:HG	7	0.31
(1,3716)	1:15:B:PHE:H	1:36:B:LEU:HG	14	0.31
(1,3715)	1:15:A:PHE:H	1:36:A:LEU:HG	7	0.31
(1,3715)	1:15:A:PHE:H	1:36:A:LEU:HG	14	0.31
(1,3710)	1:44:B:THR:H	1:45:B:ILE:HG13	7	0.31
(1,3709)	1:44:A:THR:H	1:45:A:ILE:HG13	7	0.31
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD13	3	0.31
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD11	5	0.31
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD13	12	0.31
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD13	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD11	5	0.31
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD12	9	0.31
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD13	12	0.31
(1,3698)	1:46:B:LYS:H	1:45:B:ILE:HG13	20	0.31
(1,3693)	1:75:A:ILE:H	1:83:B:LYS:HG2	16	0.31
(1,3692)	1:75:B:ILE:H	1:61:B:LEU:HB3	18	0.31
(1,3684)	1:43:B:ASN:H	1:45:B:ILE:HG13	13	0.31
(1,3648)	1:8:B:LEU:H	1:85:A:ALA:HB3	12	0.31
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB2	8	0.31
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB2	8	0.31
(1,3622)	1:87:B:TYR:H	1:85:B:ALA:HB1	6	0.31
(1,3621)	1:87:A:TYR:H	1:85:A:ALA:HB1	6	0.31
(1,3612)	1:34:B:LYS:H	1:36:B:LEU:HB3	6	0.31
(1,3611)	1:34:A:LYS:H	1:36:A:LEU:HB3	6	0.31
(1,3608)	1:43:B:ASN:H	1:49:B:LYS:HD3	9	0.31
(1,3608)	1:43:B:ASN:H	1:49:B:LYS:HD3	18	0.31
(1,3607)	1:43:A:ASN:H	1:49:A:LYS:HD3	9	0.31
(1,3606)	1:41:B:LEU:H	1:39:B:LYS:HG2	10	0.31
(1,3606)	1:41:B:LEU:H	1:39:B:LYS:HG2	13	0.31
(1,3605)	1:41:A:LEU:H	1:39:A:LYS:HG2	10	0.31
(1,3605)	1:41:A:LEU:H	1:39:A:LYS:HG2	13	0.31
(1,3596)	1:85:B:ALA:H	1:91:B:LYS:HB2	1	0.31
(1,3548)	1:76:B:SER:H	1:73:B:GLU:HB3	11	0.31
(1,3547)	1:76:A:SER:H	1:73:A:GLU:HB3	11	0.31
(1,3532)	1:38:B:THR:H	1:39:B:LYS:HB2	7	0.31
(1,3518)	1:10:B:GLY:H	1:9:B:GLU:HG3	18	0.31
(1,3506)	1:18:B:TYR:H	1:40:B:GLU:HG3	3	0.31
(1,3505)	1:18:A:TYR:H	1:40:A:GLU:HG3	3	0.31
(1,3505)	1:18:A:TYR:H	1:40:A:GLU:HG3	4	0.31
(1,3494)	1:64:B:ASN:H	1:65:B:GLN:HB3	19	0.31
(1,3493)	1:64:A:ASN:H	1:65:A:GLN:HB3	19	0.31
(1,3474)	1:55:B:ASP:H	1:53:B:VAL:HB	7	0.31
(1,3473)	1:55:A:ASP:H	1:53:A:VAL:HB	7	0.31
(1,3414)	1:59:B:GLN:H	1:54:B:ILE:HA	9	0.31
(1,3413)	1:59:A:GLN:H	1:54:A:ILE:HA	9	0.31
(1,3413)	1:59:A:GLN:H	1:54:A:ILE:HA	10	0.31
(1,3333)	1:69:A:VAL:H	1:29:A:SER:HB3	5	0.31
(1,3322)	1:60:B:GLY:H	1:61:B:LEU:HA	6	0.31
(1,3322)	1:60:B:GLY:H	1:61:B:LEU:HA	8	0.31
(1,3321)	1:60:A:GLY:H	1:61:A:LEU:HA	6	0.31
(1,3285)	1:76:A:SER:H	1:72:A:GLN:H	5	0.31
(1,3285)	1:76:A:SER:H	1:72:A:GLN:H	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3264)	1:12:B:VAL:H	1:10:B:GLY:H	3	0.31
(1,3263)	1:12:A:VAL:H	1:10:A:GLY:H	3	0.31
(1,3263)	1:12:A:VAL:H	1:10:A:GLY:H	14	0.31
(1,3235)	1:12:A:VAL:H	1:14:A:ILE:H	3	0.31
(1,3217)	1:30:A:LYS:HG2	1:30:A:LYS:HE2	15	0.31
(1,3182)	1:75:B:ILE:HD13	1:72:B:GLN:HG3	2	0.31
(1,3181)	1:75:A:ILE:HD13	1:72:A:GLN:HG3	2	0.31
(1,3159)	1:48:A:ILE:HG21	1:49:A:LYS:HG2	9	0.31
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG21	3	0.31
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG23	5	0.31
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG21	3	0.31
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG23	5	0.31
(1,3046)	1:37:B:LEU:HD13	1:38:B:THR:HA	1	0.31
(1,3045)	1:37:A:LEU:HD13	1:38:A:THR:HA	1	0.31
(1,2971)	1:81:A:ALA:HB1	1:44:A:THR:HG23	4	0.31
(1,2966)	1:91:B:LYS:HG3	1:89:B:THR:HG21	13	0.31
(1,2965)	1:91:A:LYS:HG3	1:89:A:THR:HG21	13	0.31
(1,2891)	1:82:A:LEU:HG	1:78:A:VAL:HB	19	0.31
(1,2868)	1:77:B:LEU:HA	1:80:B:ILE:HG12	8	0.31
(1,2867)	1:77:A:LEU:HA	1:80:A:ILE:HG12	8	0.31
(1,2860)	1:53:B:VAL:HG13	1:46:B:LYS:HG3	4	0.31
(1,2859)	1:53:A:VAL:HG13	1:46:A:LYS:HG3	4	0.31
(1,2844)	1:42:B:ALA:HB2	1:43:B:ASN:HB3	9	0.31
(1,2843)	1:42:A:ALA:HB2	1:43:A:ASN:HB3	9	0.31
(1,2833)	1:79:A:ALA:HB1	1:76:A:SER:HB3	10	0.31
(1,2779)	1:42:A:ALA:HB2	1:38:A:THR:HA	7	0.31
(1,2758)	1:80:B:ILE:HD11	1:91:B:LYS:HD2	15	0.31
(1,2724)	1:84:B:ALA:HB1	1:91:B:LYS:HD3	4	0.31
(1,2724)	1:84:B:ALA:HB3	1:91:B:LYS:HB2	15	0.31
(1,2723)	1:84:A:ALA:HB1	1:91:A:LYS:HD3	4	0.31
(1,2723)	1:84:A:ALA:HB3	1:91:A:LYS:HB2	15	0.31
(1,2702)	1:49:B:LYS:HD2	1:49:B:LYS:HE3	8	0.31
(1,2702)	1:49:B:LYS:HD3	1:49:B:LYS:HE3	13	0.31
(1,2702)	1:49:B:LYS:HD2	1:49:B:LYS:HE2	16	0.31
(1,2702)	1:49:B:LYS:HD2	1:49:B:LYS:HE3	18	0.31
(1,2701)	1:49:A:LYS:HD2	1:49:A:LYS:HE3	8	0.31
(1,2701)	1:49:A:LYS:HD2	1:49:A:LYS:HE2	13	0.31
(1,2701)	1:49:A:LYS:HD2	1:49:A:LYS:HE2	16	0.31
(1,2701)	1:49:A:LYS:HD2	1:49:A:LYS:HE3	18	0.31
(1,2630)	1:81:B:ALA:HB3	1:41:B:LEU:HB3	9	0.31
(1,2629)	1:81:A:ALA:HB3	1:41:A:LEU:HB3	9	0.31
(1,2548)	1:82:B:LEU:HG	1:78:B:VAL:HB	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2547)	1:82:A:LEU:HG	1:78:A:VAL:HB	6	0.31
(1,2517)	1:54:A:ILE:HB	1:56:A:GLU:HB2	12	0.31
(1,2514)	1:47:B:ASN:HB3	1:46:B:LYS:HD2	9	0.31
(1,2514)	1:47:B:ASN:HB3	1:46:B:LYS:HD2	17	0.31
(1,2513)	1:47:A:ASN:HB3	1:46:A:LYS:HD2	9	0.31
(1,2513)	1:47:A:ASN:HB3	1:46:A:LYS:HD2	17	0.31
(1,2507)	1:10:A:GLY:HA3	1:9:A:GLU:HB2	13	0.31
(1,2487)	1:72:A:GLN:HB2	1:72:A:GLN:HG3	17	0.31
(1,2483)	1:54:A:ILE:HB	1:56:A:GLU:HB2	12	0.31
(1,2478)	1:55:B:ASP:HB3	1:56:B:GLU:HB2	16	0.31
(1,2477)	1:55:A:ASP:HB3	1:56:A:GLU:HB2	16	0.31
(1,2474)	1:32:B:GLU:HG2	1:31:B:GLY:HA3	5	0.31
(1,2425)	1:67:A:GLU:HG2	1:30:A:LYS:HE2	2	0.31
(1,2354)	1:30:B:LYS:HE2	1:58:B:PHE:HB3	2	0.31
(1,2314)	1:54:B:ILE:HB	1:55:B:ASP:HB2	1	0.31
(1,2314)	1:54:B:ILE:HB	1:55:B:ASP:HB2	18	0.31
(1,2313)	1:54:A:ILE:HB	1:55:A:ASP:HB2	18	0.31
(1,2294)	1:70:B:ASP:HB3	1:74:B:PHE:HB2	19	0.31
(1,2269)	1:86:A:HIS:HB2	1:83:A:LYS:HA	10	0.31
(1,2262)	1:72:B:GLN:HG3	1:83:A:LYS:HE3	10	0.31
(1,2260)	1:72:B:GLN:HA	1:83:A:LYS:HE2	3	0.31
(1,2256)	1:52:B:ALA:HB1	1:50:B:ASP:HB2	10	0.31
(1,2255)	1:52:A:ALA:HB1	1:50:A:ASP:HB2	10	0.31
(1,2234)	1:89:B:THR:HG21	1:83:B:LYS:HE2	8	0.31
(1,2234)	1:89:B:THR:HG21	1:83:B:LYS:HE2	17	0.31
(1,2233)	1:89:A:THR:HG21	1:83:A:LYS:HE2	17	0.31
(1,2202)	1:8:B:LEU:HD11	1:78:A:VAL:HA	8	0.31
(1,2201)	1:8:A:LEU:HD12	1:78:B:VAL:HA	9	0.31
(1,2198)	1:30:B:LYS:HE2	1:51:B:LYS:HE2	4	0.31
(1,2163)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	16	0.31
(1,2100)	1:8:B:LEU:HG	1:9:B:GLU:HA	2	0.31
(1,2100)	1:8:B:LEU:HG	1:9:B:GLU:HA	6	0.31
(1,2100)	1:8:B:LEU:HG	1:9:B:GLU:HA	7	0.31
(1,2100)	1:8:B:LEU:HG	1:9:B:GLU:HA	10	0.31
(1,2100)	1:8:B:LEU:HG	1:9:B:GLU:HA	12	0.31
(1,2099)	1:8:A:LEU:HG	1:9:A:GLU:HA	2	0.31
(1,2099)	1:8:A:LEU:HG	1:9:A:GLU:HA	6	0.31
(1,2099)	1:8:A:LEU:HG	1:9:A:GLU:HA	7	0.31
(1,2099)	1:8:A:LEU:HG	1:9:A:GLU:HA	10	0.31
(1,2099)	1:8:A:LEU:HG	1:9:A:GLU:HA	12	0.31
(1,2072)	1:74:B:PHE:HA	1:76:B:SER:HB3	4	0.31
(1,2072)	1:74:B:PHE:HA	1:76:B:SER:HB3	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2040)	1:48:B:ILE:HD12	1:42:B:ALA:HA	6	0.31
(1,2039)	1:48:A:ILE:HD12	1:42:A:ALA:HA	6	0.31
(1,1942)	1:30:B:LYS:HD3	1:52:B:ALA:HA	7	0.31
(1,1915)	1:30:A:LYS:HE3	1:55:A:ASP:HA	1	0.31
(1,1884)	1:51:B:LYS:HB3	1:50:B:ASP:HA	17	0.31
(1,1812)	1:44:B:THR:H	1:46:B:LYS:HA	13	0.31
(1,1805)	1:57:A:ILE:HG23	1:61:A:LEU:H	9	0.31
(1,1805)	1:57:A:ILE:HG22	1:61:A:LEU:H	15	0.31
(1,1803)	1:85:A:ALA:HB3	1:12:B:VAL:H	18	0.31
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD21	18	0.31
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD21	18	0.31
(1,1750)	1:45:B:ILE:HG22	1:91:B:LYS:H	18	0.31
(1,1749)	1:45:A:ILE:HG22	1:91:A:LYS:H	18	0.31
(1,1693)	1:75:A:ILE:HD12	1:83:B:LYS:HE2	16	0.31
(1,1640)	1:85:B:ALA:H	1:12:A:VAL:HG11	3	0.31
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG21	2	0.31
(1,1616)	1:9:B:GLU:H	1:44:A:THR:HG21	2	0.31
(1,1615)	1:9:A:GLU:H	1:44:B:THR:HG21	2	0.31
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD13	7	0.31
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD13	7	0.31
(1,1481)	1:3:A:LYS:H	1:6:A:GLU:HB2	18	0.31
(1,1358)	1:89:B:THR:H	1:87:B:TYR:HB3	10	0.31
(1,1357)	1:89:A:THR:H	1:87:A:TYR:HB3	10	0.31
(1,794)	1:8:B:LEU:HD11	1:8:B:LEU:HD13	1	0.31
(1,794)	1:8:B:LEU:HD11	1:8:B:LEU:HD13	2	0.31
(1,794)	1:8:B:LEU:HD11	1:8:B:LEU:HD13	3	0.31
(1,794)	1:8:B:LEU:HD12	1:8:B:LEU:HD13	4	0.31
(1,794)	1:8:B:LEU:HD12	1:8:B:LEU:HD11	5	0.31
(1,794)	1:8:B:LEU:HD12	1:8:B:LEU:HD13	6	0.31
(1,794)	1:8:B:LEU:HD11	1:8:B:LEU:HD13	7	0.31
(1,794)	1:8:B:LEU:HD11	1:8:B:LEU:HD13	8	0.31
(1,794)	1:8:B:LEU:HD11	1:8:B:LEU:HD13	9	0.31
(1,794)	1:8:B:LEU:HD12	1:8:B:LEU:HD11	10	0.31
(1,794)	1:8:B:LEU:HD12	1:8:B:LEU:HD11	11	0.31
(1,794)	1:8:B:LEU:HD11	1:8:B:LEU:HD13	12	0.31
(1,794)	1:8:B:LEU:HD12	1:8:B:LEU:HD13	13	0.31
(1,794)	1:8:B:LEU:HD12	1:8:B:LEU:HD13	14	0.31
(1,794)	1:8:B:LEU:HD11	1:8:B:LEU:HD13	15	0.31
(1,794)	1:8:B:LEU:HD12	1:8:B:LEU:HD13	16	0.31
(1,794)	1:8:B:LEU:HD11	1:8:B:LEU:HD13	17	0.31
(1,794)	1:8:B:LEU:HD11	1:8:B:LEU:HD13	18	0.31
(1,794)	1:8:B:LEU:HD11	1:8:B:LEU:HD13	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:8:B:LEU:HD12	1:8:B:LEU:HD13	20	0.31
(1,793)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	1	0.31
(1,793)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	2	0.31
(1,793)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	3	0.31
(1,793)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	4	0.31
(1,793)	1:8:A:LEU:HD12	1:8:A:LEU:HD13	5	0.31
(1,793)	1:8:A:LEU:HD12	1:8:A:LEU:HD13	6	0.31
(1,793)	1:8:A:LEU:HD12	1:8:A:LEU:HD13	7	0.31
(1,793)	1:8:A:LEU:HD12	1:8:A:LEU:HD11	8	0.31
(1,793)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	9	0.31
(1,793)	1:8:A:LEU:HD12	1:8:A:LEU:HD11	10	0.31
(1,793)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	11	0.31
(1,793)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	12	0.31
(1,793)	1:8:A:LEU:HD12	1:8:A:LEU:HD13	13	0.31
(1,793)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	14	0.31
(1,793)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	15	0.31
(1,793)	1:8:A:LEU:HD12	1:8:A:LEU:HD11	16	0.31
(1,793)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	17	0.31
(1,793)	1:8:A:LEU:HD12	1:8:A:LEU:HD11	18	0.31
(1,793)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	19	0.31
(1,793)	1:8:A:LEU:HD12	1:8:A:LEU:HD13	20	0.31
(1,662)	1:57:B:ILE:HG12	1:80:B:ILE:HG12	12	0.31
(1,661)	1:57:A:ILE:HG12	1:80:A:ILE:HG12	12	0.31
(1,650)	1:49:B:LYS:HG2	1:49:B:LYS:HA	2	0.31
(1,650)	1:49:B:LYS:HG2	1:49:B:LYS:HA	5	0.31
(1,650)	1:49:B:LYS:HG2	1:49:B:LYS:HA	7	0.31
(1,649)	1:49:A:LYS:HG2	1:49:A:LYS:HA	2	0.31
(1,649)	1:49:A:LYS:HG2	1:49:A:LYS:HA	13	0.31
(1,646)	1:48:B:ILE:HG12	1:48:B:ILE:HA	9	0.31
(1,645)	1:48:A:ILE:HG12	1:48:A:ILE:HA	9	0.31
(1,572)	1:49:B:LYS:HB3	1:49:B:LYS:HD2	9	0.31
(1,571)	1:49:A:LYS:HB3	1:49:A:LYS:HD2	9	0.31
(1,562)	1:39:B:LYS:HD2	1:35:B:GLN:HG2	14	0.31
(1,400)	1:12:B:VAL:HG22	1:86:A:HIS:HB3	4	0.31
(1,399)	1:12:A:VAL:HG22	1:86:B:HIS:HB3	4	0.31
(1,382)	1:12:B:VAL:HG22	1:86:A:HIS:HB2	19	0.31
(1,370)	1:91:B:LYS:HE3	1:90:B:HIS:HB3	11	0.31
(1,369)	1:91:A:LYS:HE3	1:90:A:HIS:HB3	11	0.31
(1,329)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	16	0.31
(1,296)	1:83:B:LYS:HB3	1:80:B:ILE:HA	7	0.31
(1,254)	1:49:B:LYS:HE3	1:38:B:THR:HB	18	0.31
(1,241)	1:53:A:VAL:HG22	1:48:A:ILE:HA	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:37:B:LEU:HD12	1:33:B:LEU:HA	6	0.31
(1,214)	1:37:B:LEU:HD12	1:33:B:LEU:HA	13	0.31
(1,213)	1:37:A:LEU:HD11	1:33:A:LEU:HA	3	0.31
(1,208)	1:32:B:GLU:HG3	1:32:B:GLU:HA	11	0.31
(1,207)	1:32:A:GLU:HG3	1:32:A:GLU:HA	11	0.31
(1,204)	1:80:B:ILE:HD11	1:76:B:SER:HA	14	0.31
(1,203)	1:80:A:ILE:HD11	1:76:A:SER:HA	14	0.31
(1,192)	1:39:B:LYS:HD2	1:35:B:GLN:HA	20	0.31
(1,191)	1:39:A:LYS:HD2	1:35:A:GLN:HA	8	0.31
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG11	13	0.31
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD13	4	0.31
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD12	6	0.31
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD13	9	0.31
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD13	4	0.31
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD12	6	0.31
(2,72)	1:32:B:GLU:HB2	1:36:B:LEU:HB2	19	0.3
(2,57)	1:32:A:GLU:HB2	1:35:A:GLN:HB2	19	0.3
(2,55)	1:70:A:ASP:HB3	1:74:A:PHE:HB2	4	0.3
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG21	10	0.3
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG23	18	0.3
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG21	10	0.3
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG23	18	0.3
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG21	7	0.3
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG22	12	0.3
(1,3770)	1:54:B:ILE:H	1:48:B:ILE:HD13	3	0.3
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG12	8	0.3
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG12	8	0.3
(1,3706)	1:12:B:VAL:H	1:82:A:LEU:HG	1	0.3
(1,3706)	1:12:B:VAL:H	1:82:A:LEU:HG	14	0.3
(1,3705)	1:12:A:VAL:H	1:82:B:LEU:HG	1	0.3
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD12	4	0.3
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD12	6	0.3
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD11	11	0.3
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD11	13	0.3
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD12	4	0.3
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD12	6	0.3
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD11	13	0.3
(1,3698)	1:46:B:LYS:H	1:45:B:ILE:HG13	17	0.3
(1,3697)	1:46:A:LYS:H	1:45:A:ILE:HG13	17	0.3
(1,3691)	1:75:A:ILE:H	1:61:A:LEU:HB3	18	0.3
(1,3684)	1:43:B:ASN:H	1:45:B:ILE:HG13	8	0.3
(1,3684)	1:43:B:ASN:H	1:48:B:ILE:HG12	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3683)	1:43:A:ASN:H	1:45:A:ILE:HG13	8	0.3
(1,3683)	1:43:A:ASN:H	1:48:A:ILE:HG12	14	0.3
(1,3682)	1:86:B:HIS:H	1:83:B:LYS:HG2	12	0.3
(1,3681)	1:86:A:HIS:H	1:83:A:LYS:HG2	12	0.3
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB3	15	0.3
(1,3622)	1:87:B:TYR:H	1:85:B:ALA:HB1	20	0.3
(1,3621)	1:87:A:TYR:H	1:85:A:ALA:HB1	20	0.3
(1,3606)	1:41:B:LEU:H	1:39:B:LYS:HG2	15	0.3
(1,3605)	1:41:A:LEU:H	1:39:A:LYS:HG2	15	0.3
(1,3604)	1:58:B:PHE:H	1:61:B:LEU:HB2	12	0.3
(1,3604)	1:58:B:PHE:H	1:61:B:LEU:HB2	15	0.3
(1,3603)	1:58:A:PHE:H	1:61:A:LEU:HB2	15	0.3
(1,3596)	1:85:B:ALA:H	1:91:B:LYS:HB2	5	0.3
(1,3596)	1:85:B:ALA:H	1:91:B:LYS:HB2	7	0.3
(1,3595)	1:85:A:ALA:H	1:91:A:LYS:HB2	1	0.3
(1,3595)	1:85:A:ALA:H	1:91:A:LYS:HB2	5	0.3
(1,3595)	1:85:A:ALA:H	1:91:A:LYS:HB2	7	0.3
(1,3590)	1:90:B:HIS:H	1:91:B:LYS:HD3	19	0.3
(1,3589)	1:90:A:HIS:H	1:91:A:LYS:HD3	19	0.3
(1,3548)	1:76:B:SER:H	1:73:B:GLU:HB3	15	0.3
(1,3532)	1:38:B:THR:H	1:39:B:LYS:HB2	5	0.3
(1,3531)	1:38:A:THR:H	1:39:A:LYS:HB2	5	0.3
(1,3531)	1:38:A:THR:H	1:39:A:LYS:HB2	7	0.3
(1,3518)	1:10:B:GLY:H	1:9:B:GLU:HG2	8	0.3
(1,3493)	1:64:A:ASN:H	1:65:A:GLN:HB3	14	0.3
(1,3478)	1:70:B:ASP:H	1:68:B:GLN:HG2	7	0.3
(1,3477)	1:70:A:ASP:H	1:68:A:GLN:HG2	7	0.3
(1,3474)	1:55:B:ASP:H	1:53:B:VAL:HB	12	0.3
(1,3474)	1:55:B:ASP:H	1:53:B:VAL:HB	14	0.3
(1,3473)	1:55:A:ASP:H	1:53:A:VAL:HB	12	0.3
(1,3465)	1:58:A:PHE:H	1:59:A:GLN:HG3	8	0.3
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB2	1	0.3
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB3	6	0.3
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB2	1	0.3
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB3	6	0.3
(1,3414)	1:59:B:GLN:H	1:54:B:ILE:HA	10	0.3
(1,3414)	1:59:B:GLN:H	1:54:B:ILE:HA	17	0.3
(1,3413)	1:59:A:GLN:H	1:54:A:ILE:HA	15	0.3
(1,3413)	1:59:A:GLN:H	1:54:A:ILE:HA	17	0.3
(1,3334)	1:69:B:VAL:H	1:29:B:SER:HB3	5	0.3
(1,3321)	1:60:A:GLY:H	1:61:A:LEU:HA	8	0.3
(1,3286)	1:76:B:SER:H	1:72:B:GLN:H	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3286)	1:76:B:SER:H	1:72:B:GLN:H	6	0.3
(1,3264)	1:12:B:VAL:H	1:10:B:GLY:H	4	0.3
(1,3264)	1:12:B:VAL:H	1:10:B:GLY:H	14	0.3
(1,3263)	1:12:A:VAL:H	1:10:A:GLY:H	4	0.3
(1,3236)	1:12:B:VAL:H	1:14:B:ILE:H	3	0.3
(1,3236)	1:12:B:VAL:H	1:14:B:ILE:H	9	0.3
(1,3235)	1:12:A:VAL:H	1:14:A:ILE:H	9	0.3
(1,3219)	1:30:A:LYS:HG3	1:62:A:ASP:HB2	16	0.3
(1,3218)	1:30:B:LYS:HG2	1:30:B:LYS:HE2	15	0.3
(1,3146)	1:88:B:HIS:HB2	1:12:A:VAL:HG22	12	0.3
(1,3122)	1:48:B:ILE:HG22	1:49:B:LYS:HA	19	0.3
(1,3121)	1:48:A:ILE:HG22	1:49:A:LYS:HA	19	0.3
(1,3119)	1:82:A:LEU:HA	1:12:B:VAL:HG21	20	0.3
(1,3116)	1:8:B:LEU:HG	1:6:B:GLU:HA	11	0.3
(1,3115)	1:8:A:LEU:HG	1:6:A:GLU:HA	11	0.3
(1,3114)	1:8:B:LEU:HG	1:6:B:GLU:HA	11	0.3
(1,3113)	1:8:A:LEU:HG	1:6:A:GLU:HA	11	0.3
(1,3074)	1:59:B:GLN:HA	1:61:B:LEU:HD13	8	0.3
(1,3074)	1:59:B:GLN:HA	1:61:B:LEU:HD12	12	0.3
(1,3073)	1:59:A:GLN:HA	1:61:A:LEU:HD13	8	0.3
(1,3073)	1:59:A:GLN:HA	1:61:A:LEU:HD12	12	0.3
(1,3046)	1:37:B:LEU:HD12	1:38:B:THR:HA	14	0.3
(1,3045)	1:37:A:LEU:HD12	1:38:A:THR:HA	14	0.3
(1,3038)	1:35:B:GLN:HB3	1:36:B:LEU:HG	9	0.3
(1,3038)	1:35:B:GLN:HB3	1:36:B:LEU:HG	14	0.3
(1,3037)	1:35:A:GLN:HB3	1:36:A:LEU:HG	9	0.3
(1,3037)	1:35:A:GLN:HB3	1:36:A:LEU:HG	14	0.3
(1,2984)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	4	0.3
(1,2983)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	4	0.3
(1,2940)	1:51:B:LYS:HD2	1:54:B:ILE:HD13	18	0.3
(1,2939)	1:51:A:LYS:HD2	1:54:A:ILE:HD13	4	0.3
(1,2939)	1:51:A:LYS:HD2	1:54:A:ILE:HD13	18	0.3
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD12	1	0.3
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD12	20	0.3
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD12	1	0.3
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD12	20	0.3
(1,2884)	1:83:B:LYS:HG3	1:82:B:LEU:HB2	17	0.3
(1,2834)	1:79:B:ALA:HB1	1:76:B:SER:HB3	10	0.3
(1,2757)	1:80:A:ILE:HD11	1:91:A:LYS:HD2	15	0.3
(1,2742)	1:75:B:ILE:HG13	1:83:A:LYS:HD2	17	0.3
(1,2741)	1:75:A:ILE:HG13	1:83:B:LYS:HD2	17	0.3
(1,2702)	1:49:B:LYS:HD2	1:49:B:LYS:HE3	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2702)	1:49:B:LYS:HD3	1:49:B:LYS:HE2	5	0.3
(1,2702)	1:49:B:LYS:HD2	1:49:B:LYS:HE3	9	0.3
(1,2702)	1:49:B:LYS:HD2	1:49:B:LYS:HE3	11	0.3
(1,2702)	1:51:B:LYS:HE2	1:51:B:LYS:HD2	14	0.3
(1,2702)	1:51:B:LYS:HE3	1:51:B:LYS:HD3	19	0.3
(1,2701)	1:49:A:LYS:HD2	1:49:A:LYS:HE3	4	0.3
(1,2701)	1:49:A:LYS:HD3	1:49:A:LYS:HE2	5	0.3
(1,2701)	1:49:A:LYS:HD2	1:49:A:LYS:HE3	9	0.3
(1,2701)	1:49:A:LYS:HD2	1:49:A:LYS:HE3	11	0.3
(1,2701)	1:51:A:LYS:HE2	1:51:A:LYS:HD2	14	0.3
(1,2701)	1:51:A:LYS:HE2	1:51:A:LYS:HD2	19	0.3
(1,2680)	1:49:B:LYS:HB2	1:47:B:ASN:HB3	2	0.3
(1,2662)	1:30:B:LYS:HG3	1:34:B:LYS:HB2	5	0.3
(1,2662)	1:30:B:LYS:HG3	1:34:B:LYS:HB2	19	0.3
(1,2661)	1:30:A:LYS:HG3	1:34:A:LYS:HB2	5	0.3
(1,2661)	1:30:A:LYS:HG3	1:34:A:LYS:HB2	19	0.3
(1,2630)	1:81:B:ALA:HB1	1:41:B:LEU:HB3	4	0.3
(1,2629)	1:81:A:ALA:HB1	1:41:A:LEU:HB3	4	0.3
(1,2582)	1:80:B:ILE:HB	1:81:B:ALA:HA	7	0.3
(1,2581)	1:80:A:ILE:HB	1:81:A:ALA:HA	7	0.3
(1,2530)	1:53:B:VAL:HG11	1:46:B:LYS:HD2	1	0.3
(1,2529)	1:53:A:VAL:HG11	1:46:A:LYS:HD2	2	0.3
(1,2518)	1:54:B:ILE:HB	1:56:B:GLU:HB2	15	0.3
(1,2517)	1:54:A:ILE:HB	1:56:A:GLU:HB2	15	0.3
(1,2517)	1:54:A:ILE:HB	1:56:A:GLU:HB2	16	0.3
(1,2514)	1:47:B:ASN:HB3	1:46:B:LYS:HD2	10	0.3
(1,2513)	1:47:A:ASN:HB3	1:46:A:LYS:HD2	10	0.3
(1,2508)	1:10:B:GLY:HA3	1:9:B:GLU:HB2	9	0.3
(1,2507)	1:10:A:GLY:HA3	1:9:A:GLU:HB2	9	0.3
(1,2488)	1:72:B:GLN:HB2	1:72:B:GLN:HG3	7	0.3
(1,2488)	1:72:B:GLN:HB2	1:72:B:GLN:HG3	11	0.3
(1,2488)	1:72:B:GLN:HB2	1:72:B:GLN:HG3	12	0.3
(1,2488)	1:72:B:GLN:HB2	1:72:B:GLN:HG3	17	0.3
(1,2487)	1:72:A:GLN:HB2	1:72:A:GLN:HG3	11	0.3
(1,2487)	1:72:A:GLN:HB2	1:72:A:GLN:HG3	12	0.3
(1,2484)	1:54:B:ILE:HB	1:56:B:GLU:HB2	15	0.3
(1,2483)	1:54:A:ILE:HB	1:56:A:GLU:HB2	15	0.3
(1,2483)	1:54:A:ILE:HB	1:56:A:GLU:HB2	16	0.3
(1,2476)	1:33:B:LEU:HB2	1:32:B:GLU:HG2	20	0.3
(1,2475)	1:33:A:LEU:HB2	1:32:A:GLU:HG2	20	0.3
(1,2474)	1:32:B:GLU:HG2	1:31:B:GLY:HA3	1	0.3
(1,2474)	1:32:B:GLU:HG2	1:31:B:GLY:HA3	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2473)	1:32:A:GLU:HG2	1:31:A:GLY:HA3	1	0.3
(1,2473)	1:32:A:GLU:HG2	1:31:A:GLY:HA3	5	0.3
(1,2426)	1:67:B:GLU:HG2	1:30:B:LYS:HE3	15	0.3
(1,2425)	1:67:A:GLU:HG2	1:30:A:LYS:HE3	15	0.3
(1,2388)	1:12:B:VAL:HB	1:13:B:ASN:HB2	13	0.3
(1,2387)	1:12:A:VAL:HB	1:13:A:ASN:HB2	13	0.3
(1,2368)	1:62:B:ASP:HB2	1:67:B:GLU:HB3	15	0.3
(1,2353)	1:30:A:LYS:HE2	1:58:A:PHE:HB3	2	0.3
(1,2313)	1:54:A:ILE:HB	1:55:A:ASP:HB2	1	0.3
(1,2276)	1:72:B:GLN:HB3	1:83:A:LYS:HE3	20	0.3
(1,2270)	1:86:B:HIS:HB2	1:83:B:LYS:HA	10	0.3
(1,2266)	1:53:B:VAL:HG11	1:50:B:ASP:HB2	14	0.3
(1,2265)	1:53:A:VAL:HG11	1:50:A:ASP:HB2	14	0.3
(1,2261)	1:72:A:GLN:HG3	1:83:B:LYS:HE3	10	0.3
(1,2233)	1:89:A:THR:HG21	1:83:A:LYS:HE2	8	0.3
(1,2201)	1:8:A:LEU:HD11	1:78:B:VAL:HA	8	0.3
(1,2197)	1:30:A:LYS:HE2	1:51:A:LYS:HE2	4	0.3
(1,2186)	1:46:B:LYS:HA	1:47:B:ASN:HB2	6	0.3
(1,2185)	1:46:A:LYS:HA	1:47:A:ASN:HB2	6	0.3
(1,2177)	1:54:A:ILE:HG12	1:58:A:PHE:HB2	14	0.3
(1,2165)	1:12:A:VAL:HG22	1:88:B:HIS:HB2	12	0.3
(1,2112)	1:80:B:ILE:HD12	1:76:B:SER:HB3	18	0.3
(1,2071)	1:74:A:PHE:HA	1:76:A:SER:HB3	4	0.3
(1,2071)	1:74:A:PHE:HA	1:76:A:SER:HB3	18	0.3
(1,2040)	1:48:B:ILE:HD11	1:81:B:ALA:HA	8	0.3
(1,2039)	1:48:A:ILE:HD11	1:81:A:ALA:HA	8	0.3
(1,1942)	1:30:B:LYS:HD3	1:52:B:ALA:HA	9	0.3
(1,1941)	1:30:A:LYS:HD3	1:52:A:ALA:HA	9	0.3
(1,1916)	1:30:B:LYS:HE3	1:55:B:ASP:HA	1	0.3
(1,1896)	1:12:B:VAL:HG23	1:13:B:ASN:HA	16	0.3
(1,1895)	1:12:A:VAL:HG23	1:13:A:ASN:HA	16	0.3
(1,1894)	1:91:B:LYS:HG2	1:90:B:HIS:HA	11	0.3
(1,1893)	1:91:A:LYS:HG2	1:90:A:HIS:HA	11	0.3
(1,1883)	1:51:A:LYS:HB3	1:50:A:ASP:HA	17	0.3
(1,1806)	1:57:B:ILE:HG23	1:61:B:LEU:H	9	0.3
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD21	13	0.3
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD21	13	0.3
(1,1694)	1:75:B:ILE:HD12	1:83:A:LYS:HE2	16	0.3
(1,1688)	1:12:B:VAL:HG22	1:82:A:LEU:HA	13	0.3
(1,1641)	1:9:A:GLU:H	1:12:A:VAL:HG13	11	0.3
(1,1640)	1:85:B:ALA:H	1:12:A:VAL:HG13	11	0.3
(1,1639)	1:85:A:ALA:H	1:12:B:VAL:HG11	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1639)	1:85:A:ALA:H	1:12:B:VAL:HG13	11	0.3
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB2	14	0.3
(1,1499)	1:83:A:LYS:H	1:83:A:LYS:HB3	3	0.3
(1,1482)	1:3:B:LYS:H	1:6:B:GLU:HB2	18	0.3
(1,1440)	1:73:B:GLU:H	1:72:B:GLN:HG2	5	0.3
(1,1439)	1:73:A:GLU:H	1:72:A:GLN:HG2	5	0.3
(1,1358)	1:89:B:THR:H	1:87:B:TYR:HB3	5	0.3
(1,1357)	1:89:A:THR:H	1:87:A:TYR:HB3	5	0.3
(1,650)	1:49:B:LYS:HG2	1:49:B:LYS:HA	10	0.3
(1,646)	1:48:B:ILE:HG12	1:48:B:ILE:HA	8	0.3
(1,645)	1:48:A:ILE:HG12	1:48:A:ILE:HA	8	0.3
(1,618)	1:42:B:ALA:HB2	1:43:B:ASN:HB3	10	0.3
(1,617)	1:42:A:ALA:HB2	1:43:A:ASN:HB3	10	0.3
(1,561)	1:39:A:LYS:HD2	1:35:A:GLN:HG2	14	0.3
(1,472)	1:78:B:VAL:HG22	1:11:B:ILE:HB	13	0.3
(1,471)	1:78:A:VAL:HG22	1:11:A:ILE:HB	13	0.3
(1,466)	1:36:B:LEU:HD23	1:40:B:GLU:HG2	11	0.3
(1,465)	1:36:A:LEU:HD23	1:40:A:GLU:HG2	11	0.3
(1,388)	1:36:B:LEU:HD11	1:36:B:LEU:HA	3	0.3
(1,387)	1:36:A:LEU:HD11	1:36:A:LEU:HA	3	0.3
(1,386)	1:36:B:LEU:HD22	1:36:B:LEU:HA	1	0.3
(1,386)	1:36:B:LEU:HD21	1:36:B:LEU:HA	13	0.3
(1,385)	1:36:A:LEU:HD21	1:36:A:LEU:HA	13	0.3
(1,364)	1:80:B:ILE:HA	1:91:B:LYS:HE3	2	0.3
(1,363)	1:80:A:ILE:HA	1:91:A:LYS:HE3	2	0.3
(1,300)	1:48:B:ILE:HD11	1:37:B:LEU:HA	6	0.3
(1,299)	1:48:A:ILE:HD11	1:37:A:LEU:HA	6	0.3
(1,295)	1:83:A:LYS:HB3	1:80:A:ILE:HA	7	0.3
(1,253)	1:49:A:LYS:HE3	1:38:A:THR:HB	18	0.3
(1,242)	1:53:B:VAL:HG22	1:48:B:ILE:HA	2	0.3
(1,242)	1:53:B:VAL:HG22	1:48:B:ILE:HA	13	0.3
(1,242)	1:53:B:VAL:HG23	1:48:B:ILE:HA	16	0.3
(1,242)	1:53:B:VAL:HG23	1:48:B:ILE:HA	17	0.3
(1,241)	1:53:A:VAL:HG22	1:48:A:ILE:HA	13	0.3
(1,241)	1:53:A:VAL:HG23	1:48:A:ILE:HA	16	0.3
(1,214)	1:37:B:LEU:HD11	1:33:B:LEU:HA	3	0.3
(1,214)	1:37:B:LEU:HD12	1:33:B:LEU:HA	4	0.3
(1,214)	1:37:B:LEU:HD13	1:33:B:LEU:HA	17	0.3
(1,213)	1:37:A:LEU:HD12	1:33:A:LEU:HA	13	0.3
(1,213)	1:37:A:LEU:HD13	1:33:A:LEU:HA	17	0.3
(1,168)	1:39:B:LYS:HG3	1:39:B:LYS:HA	8	0.3
(1,167)	1:39:A:LYS:HG3	1:39:A:LYS:HA	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,119)	1:8:A:LEU:HD11	1:42:B:ALA:H	9	0.3
(1,84)	1:75:B:ILE:H	1:75:B:ILE:HD12	15	0.3
(1,83)	1:75:A:ILE:H	1:75:A:ILE:HD12	15	0.3
(1,76)	1:41:B:LEU:H	1:40:B:GLU:HG2	6	0.3
(1,75)	1:41:A:LEU:H	1:40:A:GLU:HG2	6	0.3
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG12	9	0.3
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG12	9	0.3
(2,58)	1:32:B:GLU:HB2	1:35:B:GLN:HB2	19	0.29
(2,56)	1:70:B:ASP:HB3	1:74:B:PHE:HB2	4	0.29
(1,3826)	1:30:B:LYS:H	1:30:B:LYS:HG3	18	0.29
(1,3825)	1:30:A:LYS:H	1:30:A:LYS:HG3	18	0.29
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG23	17	0.29
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG23	17	0.29
(1,3801)	1:10:A:GLY:H	1:12:A:VAL:HG21	14	0.29
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG21	7	0.29
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG23	10	0.29
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG23	10	0.29
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG22	12	0.29
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG22	13	0.29
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG22	13	0.29
(1,3774)	1:55:B:ASP:H	1:54:B:ILE:HG21	4	0.29
(1,3774)	1:55:B:ASP:H	1:54:B:ILE:HG21	12	0.29
(1,3773)	1:55:A:ASP:H	1:54:A:ILE:HG21	4	0.29
(1,3773)	1:55:A:ASP:H	1:54:A:ILE:HG23	14	0.29
(1,3769)	1:54:A:ILE:H	1:48:A:ILE:HD13	3	0.29
(1,3705)	1:12:A:VAL:H	1:82:B:LEU:HG	14	0.29
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD11	11	0.29
(1,3694)	1:75:B:ILE:H	1:83:A:LYS:HG2	16	0.29
(1,3683)	1:43:A:ASN:H	1:45:A:ILE:HG13	13	0.29
(1,3664)	1:47:B:ASN:H	1:46:B:LYS:HG3	19	0.29
(1,3663)	1:47:A:ASN:H	1:46:A:LYS:HG3	19	0.29
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB3	15	0.29
(1,3626)	1:38:B:THR:H	1:54:B:ILE:HG12	7	0.29
(1,3625)	1:38:A:THR:H	1:54:A:ILE:HG12	7	0.29
(1,3620)	1:79:B:ALA:H	1:82:B:LEU:HB2	12	0.29
(1,3619)	1:79:A:ALA:H	1:82:A:LEU:HB2	12	0.29
(1,3603)	1:58:A:PHE:H	1:61:A:LEU:HB2	12	0.29
(1,3596)	1:85:B:ALA:H	1:91:B:LYS:HB2	6	0.29
(1,3595)	1:85:A:ALA:H	1:91:A:LYS:HB2	6	0.29
(1,3590)	1:90:B:HIS:H	1:46:B:LYS:HB2	10	0.29
(1,3589)	1:90:A:HIS:H	1:46:A:LYS:HB2	10	0.29
(1,3547)	1:76:A:SER:H	1:73:A:GLU:HB3	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3517)	1:10:A:GLY:H	1:9:A:GLU:HG2	8	0.29
(1,3494)	1:64:B:ASN:H	1:65:B:GLN:HB3	14	0.29
(1,3474)	1:55:B:ASP:H	1:53:B:VAL:HB	2	0.29
(1,3473)	1:55:A:ASP:H	1:53:A:VAL:HB	2	0.29
(1,3473)	1:55:A:ASP:H	1:53:A:VAL:HB	14	0.29
(1,3460)	1:57:B:ILE:H	1:55:B:ASP:HB3	15	0.29
(1,3459)	1:57:A:ILE:H	1:55:A:ASP:HB3	15	0.29
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB3	10	0.29
(1,3414)	1:59:B:GLN:H	1:54:B:ILE:HA	12	0.29
(1,3414)	1:59:B:GLN:H	1:54:B:ILE:HA	15	0.29
(1,3413)	1:59:A:GLN:H	1:54:A:ILE:HA	12	0.29
(1,3322)	1:60:B:GLY:H	1:61:B:LEU:HA	5	0.29
(1,3322)	1:60:B:GLY:H	1:61:B:LEU:HA	11	0.29
(1,3321)	1:60:A:GLY:H	1:61:A:LEU:HA	5	0.29
(1,3321)	1:60:A:GLY:H	1:61:A:LEU:HA	11	0.29
(1,3321)	1:60:A:GLY:H	1:61:A:LEU:HA	14	0.29
(1,3274)	1:52:B:ALA:H	1:50:B:ASP:H	4	0.29
(1,3274)	1:52:B:ALA:H	1:50:B:ASP:H	7	0.29
(1,3273)	1:52:A:ALA:H	1:50:A:ASP:H	4	0.29
(1,3273)	1:52:A:ALA:H	1:50:A:ASP:H	7	0.29
(1,3220)	1:30:B:LYS:HG3	1:62:B:ASP:HB2	16	0.29
(1,3218)	1:30:B:LYS:HG2	1:30:B:LYS:HE2	14	0.29
(1,3217)	1:30:A:LYS:HG2	1:30:A:LYS:HE2	14	0.29
(1,3190)	1:8:B:LEU:HD11	1:8:B:LEU:HD13	1	0.29
(1,3190)	1:61:B:LEU:HD22	1:61:B:LEU:HD23	2	0.29
(1,3190)	1:8:B:LEU:HD11	1:8:B:LEU:HD13	3	0.29
(1,3190)	1:8:B:LEU:HD12	1:8:B:LEU:HD13	4	0.29
(1,3190)	1:61:B:LEU:HD22	1:61:B:LEU:HD21	5	0.29
(1,3190)	1:8:B:LEU:HD12	1:8:B:LEU:HD13	6	0.29
(1,3190)	1:61:B:LEU:HD22	1:61:B:LEU:HD23	7	0.29
(1,3190)	1:61:B:LEU:HD22	1:61:B:LEU:HD21	8	0.29
(1,3190)	1:8:B:LEU:HD11	1:8:B:LEU:HD13	9	0.29
(1,3190)	1:61:B:LEU:HD21	1:61:B:LEU:HD23	10	0.29
(1,3190)	1:61:B:LEU:HD22	1:61:B:LEU:HD23	11	0.29
(1,3190)	1:8:B:LEU:HD11	1:8:B:LEU:HD13	12	0.29
(1,3190)	1:8:B:LEU:HD12	1:8:B:LEU:HD13	13	0.29
(1,3190)	1:8:B:LEU:HD12	1:8:B:LEU:HD13	14	0.29
(1,3190)	1:8:B:LEU:HD11	1:8:B:LEU:HD13	15	0.29
(1,3190)	1:61:B:LEU:HD22	1:61:B:LEU:HD23	16	0.29
(1,3190)	1:8:B:LEU:HD11	1:8:B:LEU:HD13	17	0.29
(1,3190)	1:8:B:LEU:HD11	1:8:B:LEU:HD13	18	0.29
(1,3190)	1:8:B:LEU:HD11	1:8:B:LEU:HD13	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3190)	1:8:B:LEU:HD12	1:8:B:LEU:HD13	20	0.29
(1,3189)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	1	0.29
(1,3189)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	2	0.29
(1,3189)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	3	0.29
(1,3189)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	4	0.29
(1,3189)	1:61:A:LEU:HD22	1:61:A:LEU:HD23	5	0.29
(1,3189)	1:8:A:LEU:HD12	1:8:A:LEU:HD13	6	0.29
(1,3189)	1:8:A:LEU:HD12	1:8:A:LEU:HD13	7	0.29
(1,3189)	1:61:A:LEU:HD21	1:61:A:LEU:HD23	8	0.29
(1,3189)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	9	0.29
(1,3189)	1:61:A:LEU:HD22	1:61:A:LEU:HD21	10	0.29
(1,3189)	1:61:A:LEU:HD21	1:61:A:LEU:HD23	11	0.29
(1,3189)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	12	0.29
(1,3189)	1:8:A:LEU:HD12	1:8:A:LEU:HD13	13	0.29
(1,3189)	1:61:A:LEU:HD21	1:61:A:LEU:HD23	14	0.29
(1,3189)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	15	0.29
(1,3189)	1:61:A:LEU:HD21	1:61:A:LEU:HD23	16	0.29
(1,3189)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	17	0.29
(1,3189)	1:8:A:LEU:HD12	1:8:A:LEU:HD11	18	0.29
(1,3189)	1:8:A:LEU:HD11	1:8:A:LEU:HD13	19	0.29
(1,3189)	1:8:A:LEU:HD12	1:8:A:LEU:HD13	20	0.29
(1,3121)	1:48:A:ILE:HG21	1:49:A:LYS:HA	16	0.29
(1,3076)	1:85:B:ALA:HA	1:12:A:VAL:HG23	14	0.29
(1,3071)	1:12:A:VAL:HG21	1:9:A:GLU:HA	15	0.29
(1,3055)	1:37:A:LEU:HD22	1:40:A:GLU:HB3	4	0.29
(1,3048)	1:30:B:LYS:HA	1:33:B:LEU:HD21	13	0.29
(1,3047)	1:30:A:LYS:HA	1:33:A:LEU:HD21	13	0.29
(1,3046)	1:37:B:LEU:HD11	1:38:B:THR:HA	8	0.29
(1,3046)	1:37:B:LEU:HD12	1:38:B:THR:HA	19	0.29
(1,3045)	1:38:A:THR:HA	1:37:A:LEU:HD23	4	0.29
(1,3045)	1:37:A:LEU:HD11	1:38:A:THR:HA	8	0.29
(1,3045)	1:37:A:LEU:HD12	1:38:A:THR:HA	19	0.29
(1,3026)	1:30:B:LYS:HD2	1:51:B:LYS:HB2	1	0.29
(1,3025)	1:30:A:LYS:HD2	1:51:A:LYS:HB2	1	0.29
(1,2953)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	17	0.29
(1,2940)	1:51:B:LYS:HD2	1:54:B:ILE:HD11	3	0.29
(1,2940)	1:51:B:LYS:HD2	1:54:B:ILE:HD13	4	0.29
(1,2939)	1:51:A:LYS:HD2	1:54:A:ILE:HD11	3	0.29
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD12	4	0.29
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD12	4	0.29
(1,2914)	1:45:B:ILE:HG13	1:42:B:ALA:HA	16	0.29
(1,2913)	1:45:A:ILE:HG13	1:42:A:ALA:HA	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2883)	1:83:A:LYS:HG3	1:82:A:LEU:HB2	17	0.29
(1,2860)	1:53:B:VAL:HG13	1:46:B:LYS:HG3	7	0.29
(1,2860)	1:53:B:VAL:HG12	1:46:B:LYS:HG3	11	0.29
(1,2859)	1:53:A:VAL:HG13	1:46:A:LYS:HG3	7	0.29
(1,2859)	1:53:A:VAL:HG12	1:46:A:LYS:HG3	11	0.29
(1,2840)	1:30:B:LYS:HB2	1:58:B:PHE:HB3	5	0.29
(1,2840)	1:30:B:LYS:HB2	1:58:B:PHE:HB3	17	0.29
(1,2839)	1:30:A:LYS:HB2	1:58:A:PHE:HB3	5	0.29
(1,2839)	1:30:A:LYS:HB2	1:58:A:PHE:HB3	17	0.29
(1,2800)	1:67:B:GLU:HG3	1:62:B:ASP:HB3	13	0.29
(1,2702)	1:49:B:LYS:HD2	1:49:B:LYS:HE2	1	0.29
(1,2702)	1:51:B:LYS:HE2	1:51:B:LYS:HD2	20	0.29
(1,2701)	1:49:A:LYS:HD2	1:49:A:LYS:HE2	1	0.29
(1,2701)	1:51:A:LYS:HE2	1:51:A:LYS:HD2	10	0.29
(1,2701)	1:51:A:LYS:HE2	1:51:A:LYS:HD2	20	0.29
(1,2698)	1:45:B:ILE:HB	1:48:B:ILE:HA	18	0.29
(1,2679)	1:49:A:LYS:HB2	1:47:A:ASN:HB3	2	0.29
(1,2630)	1:81:B:ALA:HB3	1:80:B:ILE:HB	1	0.29
(1,2629)	1:81:A:ALA:HB3	1:80:A:ILE:HB	1	0.29
(1,2618)	1:39:B:LYS:HB3	1:40:B:GLU:HB3	12	0.29
(1,2548)	1:82:B:LEU:HG	1:78:B:VAL:HB	8	0.29
(1,2548)	1:82:B:LEU:HG	1:78:B:VAL:HB	11	0.29
(1,2547)	1:82:A:LEU:HG	1:78:A:VAL:HB	8	0.29
(1,2547)	1:82:A:LEU:HG	1:78:A:VAL:HB	11	0.29
(1,2530)	1:53:B:VAL:HG11	1:46:B:LYS:HD2	2	0.29
(1,2529)	1:53:A:VAL:HG11	1:46:A:LYS:HD2	1	0.29
(1,2518)	1:54:B:ILE:HB	1:56:B:GLU:HB2	16	0.29
(1,2488)	1:72:B:GLN:HB2	1:72:B:GLN:HG3	6	0.29
(1,2488)	1:72:B:GLN:HB2	1:72:B:GLN:HG3	8	0.29
(1,2488)	1:72:B:GLN:HB2	1:72:B:GLN:HG3	15	0.29
(1,2488)	1:72:B:GLN:HB2	1:72:B:GLN:HG3	16	0.29
(1,2487)	1:72:A:GLN:HB2	1:72:A:GLN:HG3	6	0.29
(1,2487)	1:72:A:GLN:HB2	1:72:A:GLN:HG3	7	0.29
(1,2487)	1:72:A:GLN:HB2	1:72:A:GLN:HG3	8	0.29
(1,2487)	1:72:A:GLN:HB2	1:72:A:GLN:HG3	15	0.29
(1,2487)	1:72:A:GLN:HB2	1:72:A:GLN:HG3	16	0.29
(1,2484)	1:54:B:ILE:HB	1:56:B:GLU:HB2	16	0.29
(1,2474)	1:32:B:GLU:HG2	1:31:B:GLY:HA3	15	0.29
(1,2473)	1:32:A:GLU:HG2	1:31:A:GLY:HA3	8	0.29
(1,2473)	1:32:A:GLU:HG2	1:31:A:GLY:HA3	15	0.29
(1,2471)	1:85:A:ALA:HA	1:8:B:LEU:HB3	14	0.29
(1,2466)	1:6:B:GLU:HB2	1:6:B:GLU:HA	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2465)	1:6:A:GLU:HB2	1:6:A:GLU:HA	7	0.29
(1,2426)	1:67:B:GLU:HG3	1:30:B:LYS:HE2	5	0.29
(1,2425)	1:67:A:GLU:HG3	1:30:A:LYS:HE2	5	0.29
(1,2367)	1:62:A:ASP:HB2	1:67:A:GLU:HB3	15	0.29
(1,2336)	1:30:B:LYS:HE2	1:58:B:PHE:HB3	2	0.29
(1,2335)	1:30:A:LYS:HE2	1:58:A:PHE:HB3	2	0.29
(1,2332)	1:83:B:LYS:HE3	1:86:B:HIS:HB3	11	0.29
(1,2331)	1:83:A:LYS:HE3	1:86:A:HIS:HB3	11	0.29
(1,2322)	1:67:B:GLU:HB2	1:30:B:LYS:HE3	11	0.29
(1,2321)	1:67:A:GLU:HB2	1:30:A:LYS:HE3	11	0.29
(1,2295)	1:59:A:GLN:HG3	1:55:A:ASP:HB3	5	0.29
(1,2240)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	19	0.29
(1,2239)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	19	0.29
(1,2234)	1:89:B:THR:HG21	1:83:B:LYS:HE2	14	0.29
(1,2210)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	19	0.29
(1,2209)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	19	0.29
(1,2202)	1:8:B:LEU:HD11	1:78:A:VAL:HA	13	0.29
(1,2201)	1:8:A:LEU:HD11	1:78:B:VAL:HA	13	0.29
(1,2186)	1:46:B:LYS:HA	1:47:B:ASN:HB2	16	0.29
(1,2185)	1:46:A:LYS:HA	1:47:A:ASN:HB2	16	0.29
(1,2178)	1:54:B:ILE:HG12	1:58:B:PHE:HB2	14	0.29
(1,2111)	1:80:A:ILE:HD12	1:76:A:SER:HB3	18	0.29
(1,2100)	1:8:B:LEU:HG	1:9:B:GLU:HA	14	0.29
(1,2100)	1:8:B:LEU:HG	1:9:B:GLU:HA	17	0.29
(1,2099)	1:8:A:LEU:HG	1:9:A:GLU:HA	14	0.29
(1,2099)	1:8:A:LEU:HG	1:9:A:GLU:HA	17	0.29
(1,2057)	1:73:A:GLU:HB2	1:74:A:PHE:HA	1	0.29
(1,1812)	1:44:B:THR:H	1:46:B:LYS:HA	3	0.29
(1,1811)	1:44:A:THR:H	1:46:A:LYS:HA	3	0.29
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD23	7	0.29
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD22	8	0.29
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD23	7	0.29
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD22	8	0.29
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD22	17	0.29
(1,1752)	1:75:B:ILE:HG23	1:79:A:ALA:H	9	0.29
(1,1751)	1:75:A:ILE:HG23	1:79:B:ALA:H	9	0.29
(1,1693)	1:75:A:ILE:HD12	1:83:B:LYS:HE3	15	0.29
(1,1687)	1:12:A:VAL:HG21	1:82:B:LEU:HA	10	0.29
(1,1642)	1:9:B:GLU:H	1:12:B:VAL:HG13	11	0.29
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB2	14	0.29
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB1	2	0.29
(1,1500)	1:83:B:LYS:H	1:83:B:LYS:HB3	3	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1500)	1:83:B:LYS:H	1:83:B:LYS:HB3	18	0.29
(1,1410)	1:49:B:LYS:H	1:50:B:ASP:HB3	11	0.29
(1,1409)	1:49:A:LYS:H	1:50:A:ASP:HB3	11	0.29
(1,1358)	1:89:B:THR:H	1:87:B:TYR:HB3	17	0.29
(1,1358)	1:89:B:THR:H	1:87:B:TYR:HB3	20	0.29
(1,1357)	1:89:A:THR:H	1:87:A:TYR:HB3	17	0.29
(1,650)	1:49:B:LYS:HG2	1:49:B:LYS:HA	19	0.29
(1,649)	1:49:A:LYS:HG2	1:49:A:LYS:HA	10	0.29
(1,649)	1:49:A:LYS:HG2	1:49:A:LYS:HA	19	0.29
(1,610)	1:63:B:ALA:HB1	1:62:B:ASP:HB3	4	0.29
(1,609)	1:63:A:ALA:HB1	1:62:A:ASP:HB3	4	0.29
(1,572)	1:49:B:LYS:HB3	1:49:B:LYS:HD2	4	0.29
(1,572)	1:49:B:LYS:HB3	1:49:B:LYS:HD2	18	0.29
(1,571)	1:49:A:LYS:HB3	1:49:A:LYS:HD2	2	0.29
(1,571)	1:49:A:LYS:HB3	1:49:A:LYS:HD2	4	0.29
(1,571)	1:49:A:LYS:HB3	1:49:A:LYS:HD2	18	0.29
(1,538)	1:75:B:ILE:HD13	1:75:B:ILE:HB	2	0.29
(1,537)	1:75:A:ILE:HD13	1:75:A:ILE:HB	2	0.29
(1,400)	1:12:B:VAL:HG21	1:86:A:HIS:HB3	6	0.29
(1,399)	1:12:A:VAL:HG23	1:86:B:HIS:HB3	2	0.29
(1,388)	1:36:B:LEU:HD12	1:36:B:LEU:HA	6	0.29
(1,387)	1:36:A:LEU:HD13	1:36:A:LEU:HA	1	0.29
(1,387)	1:36:A:LEU:HD12	1:36:A:LEU:HA	6	0.29
(1,386)	1:36:B:LEU:HD23	1:36:B:LEU:HA	15	0.29
(1,386)	1:36:B:LEU:HD23	1:36:B:LEU:HA	19	0.29
(1,385)	1:36:A:LEU:HD22	1:36:A:LEU:HA	1	0.29
(1,385)	1:36:A:LEU:HD23	1:36:A:LEU:HA	15	0.29
(1,385)	1:36:A:LEU:HD23	1:36:A:LEU:HA	19	0.29
(1,382)	1:12:B:VAL:HG23	1:86:A:HIS:HB2	20	0.29
(1,242)	1:53:B:VAL:HG22	1:48:B:ILE:HA	5	0.29
(1,241)	1:53:A:VAL:HG22	1:48:A:ILE:HA	5	0.29
(1,241)	1:53:A:VAL:HG23	1:48:A:ILE:HA	17	0.29
(1,214)	1:37:B:LEU:HD13	1:33:B:LEU:HA	19	0.29
(1,213)	1:37:A:LEU:HD12	1:33:A:LEU:HA	4	0.29
(1,213)	1:37:A:LEU:HD13	1:33:A:LEU:HA	19	0.29
(1,192)	1:39:B:LYS:HD2	1:35:B:GLN:HA	15	0.29
(1,191)	1:39:A:LYS:HD2	1:35:A:GLN:HA	15	0.29
(1,120)	1:8:B:LEU:HD11	1:42:A:ALA:H	9	0.29
(1,83)	1:75:A:ILE:H	1:75:A:ILE:HD12	6	0.29
(1,72)	1:49:B:LYS:H	1:53:B:VAL:HG12	7	0.29
(1,71)	1:49:A:LYS:H	1:53:A:VAL:HG12	7	0.29
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD11	3	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG21	16	0.28
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG21	16	0.28
(1,3802)	1:10:B:GLY:H	1:12:B:VAL:HG23	12	0.28
(1,3802)	1:10:B:GLY:H	1:12:B:VAL:HG21	14	0.28
(1,3801)	1:10:A:GLY:H	1:12:A:VAL:HG23	12	0.28
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG22	9	0.28
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG22	9	0.28
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG22	2	0.28
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG22	15	0.28
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG23	20	0.28
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG22	2	0.28
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG22	15	0.28
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG23	20	0.28
(1,3774)	1:55:B:ASP:H	1:54:B:ILE:HG23	14	0.28
(1,3774)	1:55:B:ASP:H	1:54:B:ILE:HG22	17	0.28
(1,3773)	1:55:A:ASP:H	1:54:A:ILE:HG21	12	0.28
(1,3773)	1:55:A:ASP:H	1:54:A:ILE:HG22	17	0.28
(1,3715)	1:15:A:PHE:H	1:36:A:LEU:HG	5	0.28
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD12	2	0.28
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD13	10	0.28
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD12	2	0.28
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD13	10	0.28
(1,3698)	1:46:B:LYS:H	1:45:B:ILE:HG13	6	0.28
(1,3698)	1:46:B:LYS:H	1:45:B:ILE:HG13	14	0.28
(1,3697)	1:46:A:LYS:H	1:45:A:ILE:HG13	14	0.28
(1,3695)	1:8:A:LEU:H	1:44:B:THR:HG23	18	0.28
(1,3693)	1:75:A:ILE:H	1:83:B:LYS:HG2	4	0.28
(1,3684)	1:43:B:ASN:H	1:48:B:ILE:HG12	15	0.28
(1,3683)	1:43:A:ASN:H	1:48:A:ILE:HG12	5	0.28
(1,3683)	1:43:A:ASN:H	1:48:A:ILE:HG12	15	0.28
(1,3683)	1:43:A:ASN:H	1:48:A:ILE:HG12	17	0.28
(1,3616)	1:89:B:THR:H	1:91:B:LYS:HB2	3	0.28
(1,3615)	1:89:A:THR:H	1:91:A:LYS:HB2	3	0.28
(1,3606)	1:41:B:LEU:H	1:39:B:LYS:HG2	9	0.28
(1,3605)	1:41:A:LEU:H	1:39:A:LYS:HG2	9	0.28
(1,3604)	1:58:B:PHE:H	1:61:B:LEU:HB2	17	0.28
(1,3603)	1:58:A:PHE:H	1:61:A:LEU:HB2	17	0.28
(1,3588)	1:61:B:LEU:H	1:57:B:ILE:HB	6	0.28
(1,3587)	1:61:A:LEU:H	1:57:A:ILE:HB	6	0.28
(1,3532)	1:38:B:THR:H	1:39:B:LYS:HB2	12	0.28
(1,3531)	1:38:A:THR:H	1:39:A:LYS:HB2	12	0.28
(1,3528)	1:49:B:LYS:H	1:46:B:LYS:HD2	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3527)	1:49:A:LYS:H	1:46:A:LYS:HD2	18	0.28
(1,3476)	1:57:B:ILE:H	1:56:B:GLU:HG2	10	0.28
(1,3475)	1:57:A:ILE:H	1:56:A:GLU:HG2	10	0.28
(1,3474)	1:55:B:ASP:H	1:53:B:VAL:HB	9	0.28
(1,3474)	1:55:B:ASP:H	1:53:B:VAL:HB	13	0.28
(1,3473)	1:55:A:ASP:H	1:53:A:VAL:HB	9	0.28
(1,3473)	1:55:A:ASP:H	1:53:A:VAL:HB	13	0.28
(1,3465)	1:58:A:PHE:H	1:59:A:GLN:HG2	15	0.28
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB3	5	0.28
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB3	10	0.28
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB3	5	0.28
(1,3349)	1:48:A:ILE:H	1:46:A:LYS:HA	3	0.28
(1,3334)	1:69:B:VAL:H	1:29:B:SER:HB3	14	0.28
(1,3333)	1:69:A:VAL:H	1:29:A:SER:HB3	14	0.28
(1,3322)	1:60:B:GLY:H	1:61:B:LEU:HA	2	0.28
(1,3322)	1:60:B:GLY:H	1:61:B:LEU:HA	14	0.28
(1,3321)	1:60:A:GLY:H	1:61:A:LEU:HA	2	0.28
(1,3310)	1:54:B:ILE:H	1:49:B:LYS:H	7	0.28
(1,3310)	1:54:B:ILE:H	1:49:B:LYS:H	17	0.28
(1,3309)	1:54:A:ILE:H	1:49:A:LYS:H	17	0.28
(1,3286)	1:76:B:SER:H	1:72:B:GLN:H	12	0.28
(1,3274)	1:52:B:ALA:H	1:50:B:ASP:H	20	0.28
(1,3273)	1:52:A:ALA:H	1:50:A:ASP:H	20	0.28
(1,3235)	1:12:A:VAL:H	1:14:A:ILE:H	4	0.28
(1,3181)	1:75:A:ILE:HD11	1:72:A:GLN:HG3	11	0.28
(1,3140)	1:12:B:VAL:HG22	1:9:B:GLU:HG2	12	0.28
(1,3122)	1:48:B:ILE:HG21	1:49:B:LYS:HA	16	0.28
(1,3116)	1:8:B:LEU:HG	1:6:B:GLU:HA	9	0.28
(1,3114)	1:8:B:LEU:HG	1:6:B:GLU:HA	9	0.28
(1,3088)	1:30:B:LYS:HD3	1:67:B:GLU:HG3	4	0.28
(1,3087)	1:30:A:LYS:HD3	1:67:A:GLU:HG3	4	0.28
(1,3078)	1:80:B:ILE:HD13	1:60:B:GLY:HA3	13	0.28
(1,3077)	1:80:A:ILE:HD13	1:60:A:GLY:HA3	13	0.28
(1,3076)	1:85:B:ALA:HA	1:12:A:VAL:HG21	17	0.28
(1,3075)	1:85:A:ALA:HA	1:12:B:VAL:HG23	14	0.28
(1,3075)	1:85:A:ALA:HA	1:12:B:VAL:HG21	17	0.28
(1,3072)	1:12:B:VAL:HG21	1:9:B:GLU:HA	15	0.28
(1,3056)	1:37:B:LEU:HD22	1:40:B:GLU:HB3	4	0.28
(1,3052)	1:40:B:GLU:HG2	1:37:B:LEU:HD23	16	0.28
(1,3046)	1:38:B:THR:HA	1:37:B:LEU:HD23	4	0.28
(1,3038)	1:35:B:GLN:HB3	1:36:B:LEU:HG	2	0.28
(1,3038)	1:35:B:GLN:HB3	1:36:B:LEU:HG	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3038)	1:35:B:GLN:HB3	1:36:B:LEU:HG	15	0.28
(1,3037)	1:35:A:GLN:HB3	1:36:A:LEU:HG	6	0.28
(1,3037)	1:35:A:GLN:HB3	1:36:A:LEU:HG	15	0.28
(1,2954)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	17	0.28
(1,2940)	1:51:B:LYS:HD2	1:54:B:ILE:HD11	10	0.28
(1,2939)	1:51:A:LYS:HD2	1:54:A:ILE:HD11	10	0.28
(1,2914)	1:45:B:ILE:HG13	1:42:B:ALA:HA	3	0.28
(1,2914)	1:45:B:ILE:HG13	1:42:B:ALA:HA	11	0.28
(1,2913)	1:45:A:ILE:HG13	1:42:A:ALA:HA	11	0.28
(1,2892)	1:82:B:LEU:HG	1:78:B:VAL:HB	7	0.28
(1,2891)	1:82:A:LEU:HG	1:78:A:VAL:HB	7	0.28
(1,2846)	1:30:B:LYS:HB2	1:58:B:PHE:HB3	18	0.28
(1,2845)	1:30:A:LYS:HB2	1:58:A:PHE:HB3	18	0.28
(1,2799)	1:67:A:GLU:HG3	1:62:A:ASP:HB3	13	0.28
(1,2749)	1:9:A:GLU:HG3	1:84:B:ALA:HB2	18	0.28
(1,2702)	1:51:B:LYS:HE2	1:51:B:LYS:HD2	10	0.28
(1,2698)	1:45:B:ILE:HB	1:48:B:ILE:HA	10	0.28
(1,2697)	1:45:A:ILE:HB	1:48:A:ILE:HA	10	0.28
(1,2697)	1:45:A:ILE:HB	1:48:A:ILE:HA	18	0.28
(1,2681)	1:83:A:LYS:HB2	1:91:A:LYS:HD3	4	0.28
(1,2662)	1:30:B:LYS:HG3	1:34:B:LYS:HB2	10	0.28
(1,2662)	1:30:B:LYS:HG3	1:34:B:LYS:HB2	16	0.28
(1,2661)	1:30:A:LYS:HG3	1:34:A:LYS:HB2	10	0.28
(1,2661)	1:30:A:LYS:HG3	1:34:A:LYS:HB2	16	0.28
(1,2617)	1:39:A:LYS:HB3	1:40:A:GLU:HB3	12	0.28
(1,2582)	1:80:B:ILE:HB	1:81:B:ALA:HA	10	0.28
(1,2581)	1:80:A:ILE:HB	1:81:A:ALA:HA	10	0.28
(1,2566)	1:86:B:HIS:HB3	1:83:B:LYS:HB3	3	0.28
(1,2565)	1:86:A:HIS:HB3	1:83:A:LYS:HB3	3	0.28
(1,2559)	1:39:A:LYS:HE3	1:39:A:LYS:HB3	11	0.28
(1,2546)	1:36:B:LEU:HD23	1:33:B:LEU:HB2	8	0.28
(1,2545)	1:36:A:LEU:HD23	1:33:A:LEU:HB2	8	0.28
(1,2517)	1:54:A:ILE:HB	1:56:A:GLU:HB2	20	0.28
(1,2514)	1:47:B:ASN:HB3	1:46:B:LYS:HD2	5	0.28
(1,2514)	1:47:B:ASN:HB3	1:46:B:LYS:HD2	15	0.28
(1,2513)	1:47:A:ASN:HB3	1:46:A:LYS:HD2	5	0.28
(1,2513)	1:47:A:ASN:HB3	1:46:A:LYS:HD2	15	0.28
(1,2496)	1:32:B:GLU:HG2	1:35:B:GLN:HB2	2	0.28
(1,2495)	1:32:A:GLU:HG2	1:35:A:GLN:HB2	2	0.28
(1,2488)	1:72:B:GLN:HB3	1:72:B:GLN:HG2	1	0.28
(1,2487)	1:72:A:GLN:HB3	1:72:A:GLN:HG2	1	0.28
(1,2483)	1:54:A:ILE:HB	1:56:A:GLU:HB2	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2474)	1:32:B:GLU:HG2	1:31:B:GLY:HA3	2	0.28
(1,2474)	1:32:B:GLU:HG2	1:31:B:GLY:HA3	3	0.28
(1,2473)	1:32:A:GLU:HG2	1:31:A:GLY:HA3	2	0.28
(1,2473)	1:32:A:GLU:HG2	1:31:A:GLY:HA3	3	0.28
(1,2472)	1:85:B:ALA:HA	1:8:A:LEU:HB3	14	0.28
(1,2393)	1:56:A:GLU:HG2	1:59:A:GLN:HG2	13	0.28
(1,2354)	1:30:B:LYS:HE2	1:58:B:PHE:HB3	15	0.28
(1,2353)	1:30:A:LYS:HE3	1:58:A:PHE:HB3	12	0.28
(1,2316)	1:32:B:GLU:HG2	1:35:B:GLN:HB2	2	0.28
(1,2315)	1:32:A:GLU:HG2	1:35:A:GLN:HB2	2	0.28
(1,2314)	1:54:B:ILE:HB	1:55:B:ASP:HB2	12	0.28
(1,2313)	1:54:A:ILE:HB	1:55:A:ASP:HB2	12	0.28
(1,2296)	1:59:B:GLN:HG3	1:55:B:ASP:HB3	5	0.28
(1,2266)	1:53:B:VAL:HG11	1:47:B:ASN:HB3	18	0.28
(1,2265)	1:53:A:VAL:HG11	1:47:A:ASN:HB3	18	0.28
(1,2262)	1:72:B:GLN:HG3	1:83:A:LYS:HE2	2	0.28
(1,2261)	1:72:A:GLN:HG3	1:83:B:LYS:HE2	2	0.28
(1,2261)	1:72:A:GLN:HG3	1:83:B:LYS:HE2	6	0.28
(1,2261)	1:72:A:GLN:HG3	1:83:B:LYS:HE3	14	0.28
(1,2246)	1:46:B:LYS:HB2	1:46:B:LYS:HE2	16	0.28
(1,2245)	1:46:A:LYS:HB2	1:46:A:LYS:HE2	16	0.28
(1,2240)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	1	0.28
(1,2239)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	1	0.28
(1,2233)	1:89:A:THR:HG21	1:83:A:LYS:HE2	14	0.28
(1,2210)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	1	0.28
(1,2209)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	1	0.28
(1,2198)	1:30:B:LYS:HE2	1:51:B:LYS:HE2	14	0.28
(1,2197)	1:30:A:LYS:HE2	1:51:A:LYS:HE2	19	0.28
(1,2186)	1:46:B:LYS:HA	1:47:B:ASN:HB2	8	0.28
(1,2186)	1:46:B:LYS:HA	1:47:B:ASN:HB2	10	0.28
(1,2185)	1:46:A:LYS:HA	1:47:A:ASN:HB2	8	0.28
(1,2185)	1:46:A:LYS:HA	1:47:A:ASN:HB2	10	0.28
(1,2164)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	11	0.28
(1,2163)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	11	0.28
(1,2112)	1:80:B:ILE:HD11	1:76:B:SER:HB3	11	0.28
(1,2111)	1:80:A:ILE:HD11	1:76:A:SER:HB3	11	0.28
(1,2100)	1:8:B:LEU:HG	1:9:B:GLU:HA	15	0.28
(1,2100)	1:8:B:LEU:HG	1:9:B:GLU:HA	20	0.28
(1,2099)	1:8:A:LEU:HG	1:9:A:GLU:HA	15	0.28
(1,2099)	1:8:A:LEU:HG	1:9:A:GLU:HA	20	0.28
(1,2058)	1:73:B:GLU:HB2	1:74:B:PHE:HA	1	0.28
(1,2040)	1:48:B:ILE:HD12	1:42:B:ALA:HA	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2039)	1:48:A:ILE:HD12	1:42:A:ALA:HA	4	0.28
(1,1824)	1:11:B:ILE:H	1:6:B:GLU:HA	11	0.28
(1,1823)	1:11:A:ILE:H	1:6:A:GLU:HA	11	0.28
(1,1812)	1:44:B:THR:H	1:46:B:LYS:HA	8	0.28
(1,1811)	1:44:A:THR:H	1:46:A:LYS:HA	8	0.28
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD21	4	0.28
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD22	17	0.28
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD21	4	0.28
(1,1744)	1:63:B:ALA:H	1:61:B:LEU:HG	7	0.28
(1,1743)	1:63:A:ALA:H	1:61:A:LEU:HG	7	0.28
(1,1737)	1:75:A:ILE:HG22	1:82:B:LEU:HD12	6	0.28
(1,1737)	1:75:A:ILE:HG23	1:82:B:LEU:HD12	16	0.28
(1,1723)	1:80:A:ILE:HG21	1:8:B:LEU:HD13	6	0.28
(1,1700)	1:85:B:ALA:HB2	1:8:A:LEU:HB2	7	0.28
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB1	2	0.28
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB1	9	0.28
(1,1500)	1:83:B:LYS:H	1:83:B:LYS:HB3	6	0.28
(1,1500)	1:83:B:LYS:H	1:83:B:LYS:HB3	16	0.28
(1,1499)	1:83:A:LYS:H	1:83:A:LYS:HB3	6	0.28
(1,1499)	1:83:A:LYS:H	1:83:A:LYS:HB3	16	0.28
(1,1499)	1:83:A:LYS:H	1:83:A:LYS:HB3	18	0.28
(1,1357)	1:89:A:THR:H	1:87:A:TYR:HB3	20	0.28
(1,650)	1:49:B:LYS:HG2	1:49:B:LYS:HA	17	0.28
(1,649)	1:49:A:LYS:HG2	1:49:A:LYS:HA	17	0.28
(1,610)	1:63:B:ALA:HB1	1:62:B:ASP:HB3	5	0.28
(1,572)	1:49:B:LYS:HB3	1:49:B:LYS:HD2	2	0.28
(1,538)	1:75:B:ILE:HD12	1:75:B:ILE:HB	10	0.28
(1,537)	1:75:A:ILE:HD12	1:75:A:ILE:HB	10	0.28
(1,472)	1:78:B:VAL:HG23	1:11:B:ILE:HB	14	0.28
(1,472)	1:78:B:VAL:HG22	1:11:B:ILE:HB	18	0.28
(1,471)	1:78:A:VAL:HG23	1:11:A:ILE:HB	14	0.28
(1,471)	1:78:A:VAL:HG22	1:11:A:ILE:HB	18	0.28
(1,400)	1:12:B:VAL:HG23	1:86:A:HIS:HB3	2	0.28
(1,399)	1:12:A:VAL:HG21	1:86:B:HIS:HB3	6	0.28
(1,388)	1:36:B:LEU:HD13	1:36:B:LEU:HA	1	0.28
(1,386)	1:36:B:LEU:HD21	1:36:B:LEU:HA	5	0.28
(1,385)	1:36:A:LEU:HD21	1:36:A:LEU:HA	5	0.28
(1,330)	1:51:B:LYS:HE3	1:58:B:PHE:HB2	11	0.28
(1,329)	1:51:A:LYS:HE3	1:58:A:PHE:HB2	11	0.28
(1,214)	1:37:B:LEU:HD12	1:33:B:LEU:HA	5	0.28
(1,214)	1:37:B:LEU:HD13	1:33:B:LEU:HA	15	0.28
(1,213)	1:37:A:LEU:HD12	1:33:A:LEU:HA	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,213)	1:37:A:LEU:HD13	1:33:A:LEU:HA	15	0.28
(1,84)	1:75:B:ILE:H	1:75:B:ILE:HD12	6	0.28
(1,84)	1:75:B:ILE:H	1:75:B:ILE:HD11	14	0.28
(1,83)	1:75:A:ILE:H	1:75:A:ILE:HD11	14	0.28
(1,76)	1:41:B:LEU:H	1:40:B:GLU:HG2	2	0.28
(1,76)	1:41:B:LEU:H	1:40:B:GLU:HG2	10	0.28
(1,75)	1:41:A:LEU:H	1:40:A:GLU:HG2	2	0.28
(1,75)	1:41:A:LEU:H	1:40:A:GLU:HG2	10	0.28
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD11	3	0.28
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD12	16	0.28
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD12	16	0.28
(2,72)	1:32:B:GLU:HB2	1:36:B:LEU:HB2	4	0.27
(2,71)	1:32:A:GLU:HB2	1:36:A:LEU:HB2	4	0.27
(1,3826)	1:30:B:LYS:H	1:30:B:LYS:HG3	19	0.27
(1,3825)	1:30:A:LYS:H	1:30:A:LYS:HG3	19	0.27
(1,3796)	1:62:B:ASP:H	1:61:B:LEU:HD13	14	0.27
(1,3795)	1:62:A:ASP:H	1:61:A:LEU:HD13	14	0.27
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG22	5	0.27
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG23	13	0.27
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG22	5	0.27
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG23	13	0.27
(1,3774)	1:55:B:ASP:H	1:54:B:ILE:HG23	13	0.27
(1,3748)	1:30:B:LYS:H	1:30:B:LYS:HD2	20	0.27
(1,3729)	1:37:A:LEU:H	1:33:A:LEU:HD11	3	0.27
(1,3728)	1:55:B:ASP:H	1:53:B:VAL:HG13	2	0.27
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG11	7	0.27
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG11	9	0.27
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG11	12	0.27
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG11	7	0.27
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG11	9	0.27
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG11	12	0.27
(1,3716)	1:15:B:PHE:H	1:36:B:LEU:HG	5	0.27
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD12	7	0.27
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD13	16	0.27
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD11	17	0.27
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD12	7	0.27
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD13	16	0.27
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD11	17	0.27
(1,3700)	1:84:B:ALA:H	1:44:B:THR:HG22	17	0.27
(1,3699)	1:84:A:ALA:H	1:44:A:THR:HG22	17	0.27
(1,3698)	1:46:B:LYS:H	1:45:B:ILE:HG13	10	0.27
(1,3698)	1:46:B:LYS:H	1:45:B:ILE:HG13	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3698)	1:46:B:LYS:H	1:45:B:ILE:HG13	15	0.27
(1,3698)	1:46:B:LYS:H	1:45:B:ILE:HG13	16	0.27
(1,3697)	1:46:A:LYS:H	1:45:A:ILE:HG13	6	0.27
(1,3697)	1:46:A:LYS:H	1:45:A:ILE:HG13	11	0.27
(1,3697)	1:46:A:LYS:H	1:45:A:ILE:HG13	15	0.27
(1,3697)	1:46:A:LYS:H	1:45:A:ILE:HG13	16	0.27
(1,3696)	1:8:B:LEU:H	1:44:A:THR:HG23	18	0.27
(1,3694)	1:75:B:ILE:H	1:83:A:LYS:HG2	4	0.27
(1,3684)	1:43:B:ASN:H	1:48:B:ILE:HG12	5	0.27
(1,3684)	1:43:B:ASN:H	1:48:B:ILE:HG12	17	0.27
(1,3680)	1:54:B:ILE:H	1:54:B:ILE:HD11	12	0.27
(1,3679)	1:54:A:ILE:H	1:54:A:ILE:HD11	12	0.27
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB2	3	0.27
(1,3644)	1:41:B:LEU:H	1:42:B:ALA:HB1	12	0.27
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB1	12	0.27
(1,3614)	1:52:B:ALA:H	1:51:B:LYS:HD2	10	0.27
(1,3613)	1:52:A:ALA:H	1:51:A:LYS:HD2	10	0.27
(1,3596)	1:85:B:ALA:H	1:91:B:LYS:HB2	16	0.27
(1,3595)	1:85:A:ALA:H	1:91:A:LYS:HB2	16	0.27
(1,3566)	1:44:B:THR:H	1:48:B:ILE:HB	9	0.27
(1,3565)	1:44:A:THR:H	1:48:A:ILE:HB	9	0.27
(1,3506)	1:18:B:TYR:H	1:40:B:GLU:HG3	1	0.27
(1,3476)	1:57:B:ILE:H	1:56:B:GLU:HG2	20	0.27
(1,3474)	1:55:B:ASP:H	1:53:B:VAL:HB	6	0.27
(1,3473)	1:55:A:ASP:H	1:53:A:VAL:HB	6	0.27
(1,3466)	1:58:B:PHE:H	1:59:B:GLN:HG2	15	0.27
(1,3452)	1:72:B:GLN:H	1:83:A:LYS:HE3	15	0.27
(1,3451)	1:72:A:GLN:H	1:83:B:LYS:HE3	15	0.27
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB2	4	0.27
(1,3414)	1:59:B:GLN:H	1:54:B:ILE:HA	8	0.27
(1,3413)	1:59:A:GLN:H	1:54:A:ILE:HA	8	0.27
(1,3350)	1:48:B:ILE:H	1:46:B:LYS:HA	3	0.27
(1,3350)	1:48:B:ILE:H	1:46:B:LYS:HA	19	0.27
(1,3310)	1:54:B:ILE:H	1:49:B:LYS:H	13	0.27
(1,3309)	1:54:A:ILE:H	1:49:A:LYS:H	7	0.27
(1,3309)	1:54:A:ILE:H	1:49:A:LYS:H	13	0.27
(1,3286)	1:76:B:SER:H	1:72:B:GLN:H	4	0.27
(1,3285)	1:76:A:SER:H	1:72:A:GLN:H	4	0.27
(1,3285)	1:76:A:SER:H	1:72:A:GLN:H	12	0.27
(1,3274)	1:52:B:ALA:H	1:50:B:ASP:H	9	0.27
(1,3273)	1:52:A:ALA:H	1:50:A:ASP:H	9	0.27
(1,3236)	1:12:B:VAL:H	1:14:B:ILE:H	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3182)	1:75:B:ILE:HD11	1:72:B:GLN:HG3	11	0.27
(1,3182)	1:75:B:ILE:HD11	1:72:B:GLN:HG3	14	0.27
(1,3182)	1:72:B:GLN:HG3	1:75:B:ILE:HG21	20	0.27
(1,3181)	1:75:A:ILE:HD11	1:72:A:GLN:HG3	14	0.27
(1,3181)	1:72:A:GLN:HG3	1:75:A:ILE:HG21	20	0.27
(1,3180)	1:30:B:LYS:HG2	1:55:B:ASP:HB2	14	0.27
(1,3179)	1:30:A:LYS:HG2	1:55:A:ASP:HB2	11	0.27
(1,3179)	1:30:A:LYS:HG2	1:55:A:ASP:HB2	14	0.27
(1,3178)	1:83:B:LYS:HE3	1:75:A:ILE:HD11	13	0.27
(1,3139)	1:12:A:VAL:HG22	1:9:A:GLU:HG2	12	0.27
(1,3122)	1:48:B:ILE:HG22	1:49:B:LYS:HA	2	0.27
(1,3122)	1:48:B:ILE:HG22	1:49:B:LYS:HA	6	0.27
(1,3122)	1:48:B:ILE:HG23	1:49:B:LYS:HA	7	0.27
(1,3122)	1:48:B:ILE:HG21	1:49:B:LYS:HA	8	0.27
(1,3122)	1:48:B:ILE:HG22	1:49:B:LYS:HA	20	0.27
(1,3121)	1:48:A:ILE:HG22	1:49:A:LYS:HA	2	0.27
(1,3121)	1:48:A:ILE:HG22	1:49:A:LYS:HA	6	0.27
(1,3121)	1:48:A:ILE:HG23	1:49:A:LYS:HA	7	0.27
(1,3121)	1:48:A:ILE:HG21	1:49:A:LYS:HA	8	0.27
(1,3121)	1:48:A:ILE:HG22	1:49:A:LYS:HA	20	0.27
(1,3115)	1:8:A:LEU:HG	1:6:A:GLU:HA	9	0.27
(1,3113)	1:8:A:LEU:HG	1:6:A:GLU:HA	9	0.27
(1,3104)	1:30:B:LYS:HG2	1:54:B:ILE:HG22	20	0.27
(1,3075)	1:85:A:ALA:HA	1:12:B:VAL:HG22	5	0.27
(1,3054)	1:86:B:HIS:HB3	1:12:A:VAL:HG13	2	0.27
(1,3053)	1:86:A:HIS:HB3	1:12:B:VAL:HG13	6	0.27
(1,3051)	1:40:A:GLU:HG3	1:37:A:LEU:HD22	1	0.27
(1,3051)	1:40:A:GLU:HG2	1:37:A:LEU:HD23	16	0.27
(1,3046)	1:37:B:LEU:HD11	1:38:B:THR:HA	5	0.27
(1,3045)	1:37:A:LEU:HD11	1:38:A:THR:HA	5	0.27
(1,3038)	1:35:B:GLN:HB3	1:36:B:LEU:HG	4	0.27
(1,3037)	1:35:A:GLN:HB3	1:36:A:LEU:HG	2	0.27
(1,3037)	1:35:A:GLN:HB3	1:36:A:LEU:HG	4	0.27
(1,2954)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	20	0.27
(1,2953)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	20	0.27
(1,2913)	1:45:A:ILE:HG13	1:42:A:ALA:HA	3	0.27
(1,2860)	1:53:B:VAL:HG12	1:46:B:LYS:HG3	6	0.27
(1,2859)	1:53:A:VAL:HG12	1:46:A:LYS:HG3	6	0.27
(1,2846)	1:74:B:PHE:HB2	1:77:B:LEU:HB3	5	0.27
(1,2845)	1:74:A:PHE:HB2	1:77:A:LEU:HB3	5	0.27
(1,2843)	1:42:A:ALA:HB1	1:43:A:ASN:HB3	3	0.27
(1,2840)	1:30:B:LYS:HB2	1:58:B:PHE:HB3	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2839)	1:30:A:LYS:HB2	1:58:A:PHE:HB3	9	0.27
(1,2812)	1:37:B:LEU:HD23	1:33:B:LEU:HG	19	0.27
(1,2811)	1:37:A:LEU:HD23	1:33:A:LEU:HG	19	0.27
(1,2796)	1:46:B:LYS:HG2	1:46:B:LYS:HE3	8	0.27
(1,2795)	1:46:A:LYS:HG2	1:46:A:LYS:HE3	8	0.27
(1,2750)	1:9:B:GLU:HG3	1:84:A:ALA:HB2	18	0.27
(1,2750)	1:32:B:GLU:HG2	1:33:B:LEU:HB3	19	0.27
(1,2749)	1:32:A:GLU:HG2	1:33:A:LEU:HB3	19	0.27
(1,2741)	1:75:A:ILE:HG13	1:83:B:LYS:HD2	19	0.27
(1,2698)	1:45:B:ILE:HB	1:48:B:ILE:HA	9	0.27
(1,2697)	1:45:A:ILE:HB	1:48:A:ILE:HA	9	0.27
(1,2682)	1:83:B:LYS:HB2	1:91:B:LYS:HD3	4	0.27
(1,2680)	1:49:B:LYS:HB2	1:47:B:ASN:HB3	1	0.27
(1,2679)	1:49:A:LYS:HB2	1:47:A:ASN:HB3	1	0.27
(1,2679)	1:49:A:LYS:HB2	1:47:A:ASN:HB3	9	0.27
(1,2664)	1:8:B:LEU:HD12	1:41:A:LEU:HB3	12	0.27
(1,2662)	1:30:B:LYS:HG3	1:34:B:LYS:HB2	12	0.27
(1,2662)	1:30:B:LYS:HG3	1:34:B:LYS:HB2	17	0.27
(1,2661)	1:30:A:LYS:HG3	1:34:A:LYS:HB2	12	0.27
(1,2661)	1:30:A:LYS:HG3	1:34:A:LYS:HB2	17	0.27
(1,2642)	1:33:B:LEU:HB3	1:34:B:LYS:HB3	13	0.27
(1,2641)	1:33:A:LEU:HB3	1:34:A:LYS:HB3	13	0.27
(1,2630)	1:81:B:ALA:HB2	1:80:B:ILE:HB	19	0.27
(1,2629)	1:81:A:ALA:HB2	1:80:A:ILE:HB	19	0.27
(1,2566)	1:86:B:HIS:HB3	1:83:B:LYS:HB3	1	0.27
(1,2565)	1:86:A:HIS:HB3	1:83:A:LYS:HB3	1	0.27
(1,2560)	1:39:B:LYS:HE3	1:39:B:LYS:HB3	11	0.27
(1,2560)	1:39:B:LYS:HE3	1:39:B:LYS:HB3	13	0.27
(1,2559)	1:39:A:LYS:HE3	1:39:A:LYS:HB3	13	0.27
(1,2548)	1:82:B:LEU:HG	1:78:B:VAL:HB	13	0.27
(1,2547)	1:82:A:LEU:HG	1:78:A:VAL:HB	13	0.27
(1,2518)	1:54:B:ILE:HB	1:56:B:GLU:HB2	20	0.27
(1,2514)	1:47:B:ASN:HB3	1:46:B:LYS:HD2	16	0.27
(1,2513)	1:47:A:ASN:HB3	1:46:A:LYS:HD2	2	0.27
(1,2513)	1:47:A:ASN:HB3	1:46:A:LYS:HD2	16	0.27
(1,2508)	1:10:B:GLY:HA3	1:6:B:GLU:HB3	16	0.27
(1,2507)	1:10:A:GLY:HA3	1:6:A:GLU:HB3	16	0.27
(1,2488)	1:72:B:GLN:HB2	1:72:B:GLN:HG3	4	0.27
(1,2488)	1:72:B:GLN:HB2	1:72:B:GLN:HG3	9	0.27
(1,2487)	1:72:A:GLN:HB2	1:72:A:GLN:HG3	4	0.27
(1,2487)	1:72:A:GLN:HB2	1:72:A:GLN:HG3	9	0.27
(1,2484)	1:54:B:ILE:HB	1:56:B:GLU:HB2	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2480)	1:62:B:ASP:HB3	1:59:B:GLN:HB3	4	0.27
(1,2474)	1:32:B:GLU:HG2	1:31:B:GLY:HA3	20	0.27
(1,2473)	1:32:A:GLU:HG2	1:31:A:GLY:HA3	20	0.27
(1,2472)	1:85:B:ALA:HA	1:8:A:LEU:HB3	2	0.27
(1,2471)	1:85:A:ALA:HA	1:8:B:LEU:HB3	2	0.27
(1,2429)	1:56:A:GLU:HG3	1:59:A:GLN:HG3	14	0.27
(1,2420)	1:65:B:GLN:HB3	1:59:B:GLN:HA	8	0.27
(1,2419)	1:65:A:GLN:HB3	1:59:A:GLN:HA	8	0.27
(1,2394)	1:56:B:GLU:HG2	1:59:B:GLN:HG2	13	0.27
(1,2354)	1:30:B:LYS:HE3	1:58:B:PHE:HB3	12	0.27
(1,2353)	1:30:A:LYS:HE2	1:58:A:PHE:HB3	15	0.27
(1,2340)	1:64:B:ASN:HB3	1:65:B:GLN:HG2	4	0.27
(1,2300)	1:53:B:VAL:HA	1:50:B:ASP:HB3	15	0.27
(1,2264)	1:88:B:HIS:HB3	1:86:B:HIS:HB2	3	0.27
(1,2263)	1:88:A:HIS:HB3	1:86:A:HIS:HB2	3	0.27
(1,2262)	1:72:B:GLN:HG3	1:83:A:LYS:HE2	6	0.27
(1,2262)	1:72:B:GLN:HG3	1:83:A:LYS:HE3	14	0.27
(1,2202)	1:8:B:LEU:HD11	1:78:A:VAL:HA	11	0.27
(1,2202)	1:8:B:LEU:HD13	1:78:A:VAL:HA	12	0.27
(1,2201)	1:8:A:LEU:HD11	1:78:B:VAL:HA	11	0.27
(1,2201)	1:8:A:LEU:HD11	1:78:B:VAL:HA	20	0.27
(1,2197)	1:30:A:LYS:HE2	1:51:A:LYS:HE3	14	0.27
(1,2186)	1:46:B:LYS:HA	1:47:B:ASN:HB2	12	0.27
(1,2185)	1:46:A:LYS:HA	1:47:A:ASN:HB2	12	0.27
(1,2180)	1:13:B:ASN:HB2	1:16:B:HIS:HB3	3	0.27
(1,2179)	1:13:A:ASN:HB2	1:16:A:HIS:HB3	3	0.27
(1,2100)	1:8:B:LEU:HG	1:9:B:GLU:HA	18	0.27
(1,2099)	1:8:A:LEU:HG	1:9:A:GLU:HA	18	0.27
(1,2087)	1:74:A:PHE:HA	1:76:A:SER:HB3	8	0.27
(1,2072)	1:74:B:PHE:HA	1:76:B:SER:HB3	13	0.27
(1,2072)	1:74:B:PHE:HA	1:76:B:SER:HB3	19	0.27
(1,2071)	1:74:A:PHE:HA	1:76:A:SER:HB3	8	0.27
(1,2071)	1:74:A:PHE:HA	1:76:A:SER:HB3	13	0.27
(1,2071)	1:74:A:PHE:HA	1:76:A:SER:HB3	19	0.27
(1,2060)	1:83:B:LYS:HD2	1:79:B:ALA:HA	20	0.27
(1,2032)	1:12:B:VAL:HG23	1:82:A:LEU:HA	12	0.27
(1,1902)	1:84:B:ALA:HB1	1:88:B:HIS:HA	17	0.27
(1,1902)	1:84:B:ALA:HB3	1:88:B:HIS:HA	19	0.27
(1,1901)	1:84:A:ALA:HB1	1:88:A:HIS:HA	17	0.27
(1,1901)	1:84:A:ALA:HB3	1:88:A:HIS:HA	19	0.27
(1,1884)	1:46:B:LYS:HB3	1:90:B:HIS:HA	19	0.27
(1,1834)	1:59:B:GLN:HG2	1:62:B:ASP:H	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1824)	1:11:B:ILE:H	1:6:B:GLU:HA	2	0.27
(1,1823)	1:11:A:ILE:H	1:6:A:GLU:HA	2	0.27
(1,1806)	1:57:B:ILE:HG22	1:61:B:LEU:H	14	0.27
(1,1738)	1:75:B:ILE:HG23	1:82:A:LEU:HD12	16	0.27
(1,1723)	1:80:A:ILE:HG23	1:8:B:LEU:HD13	9	0.27
(1,1694)	1:75:B:ILE:HD12	1:83:A:LYS:HE3	10	0.27
(1,1694)	1:75:B:ILE:HD12	1:83:A:LYS:HE3	15	0.27
(1,1692)	1:75:B:ILE:HG23	1:83:A:LYS:HE3	5	0.27
(1,1691)	1:75:A:ILE:HG23	1:83:B:LYS:HE3	5	0.27
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG22	4	0.27
(1,1618)	1:63:B:ALA:H	1:61:B:LEU:HB3	7	0.27
(1,1617)	1:63:A:ALA:H	1:61:A:LEU:HB3	7	0.27
(1,1616)	1:9:B:GLU:H	1:44:A:THR:HG22	3	0.27
(1,1615)	1:9:A:GLU:H	1:44:B:THR:HG22	3	0.27
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB1	9	0.27
(1,1500)	1:83:B:LYS:H	1:83:B:LYS:HB3	12	0.27
(1,1499)	1:83:A:LYS:H	1:83:A:LYS:HB3	12	0.27
(1,1358)	1:89:B:THR:H	1:87:B:TYR:HB3	13	0.27
(1,730)	1:53:B:VAL:HG23	1:53:B:VAL:HG12	17	0.27
(1,730)	1:53:B:VAL:HG23	1:53:B:VAL:HG12	20	0.27
(1,729)	1:53:A:VAL:HG22	1:53:A:VAL:HG13	20	0.27
(1,610)	1:63:B:ALA:HB2	1:62:B:ASP:HB3	15	0.27
(1,609)	1:63:A:ALA:HB1	1:62:A:ASP:HB3	5	0.27
(1,609)	1:63:A:ALA:HB2	1:62:A:ASP:HB3	15	0.27
(1,532)	1:30:B:LYS:HG2	1:34:B:LYS:HB2	1	0.27
(1,531)	1:30:A:LYS:HG2	1:34:A:LYS:HB2	1	0.27
(1,512)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	1	0.27
(1,511)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	1	0.27
(1,472)	1:78:B:VAL:HG21	1:11:B:ILE:HB	8	0.27
(1,472)	1:78:B:VAL:HG22	1:11:B:ILE:HB	19	0.27
(1,471)	1:78:A:VAL:HG21	1:11:A:ILE:HB	8	0.27
(1,471)	1:78:A:VAL:HG22	1:11:A:ILE:HB	19	0.27
(1,424)	1:39:B:LYS:HD3	1:35:B:GLN:HB3	2	0.27
(1,388)	1:36:B:LEU:HD11	1:36:B:LEU:HA	19	0.27
(1,387)	1:36:A:LEU:HD11	1:36:A:LEU:HA	19	0.27
(1,386)	1:36:B:LEU:HD22	1:36:B:LEU:HA	17	0.27
(1,385)	1:36:A:LEU:HD22	1:36:A:LEU:HA	17	0.27
(1,381)	1:12:A:VAL:HG23	1:86:B:HIS:HB2	20	0.27
(1,300)	1:48:B:ILE:HD13	1:37:B:LEU:HA	8	0.27
(1,299)	1:48:A:ILE:HD13	1:37:A:LEU:HA	8	0.27
(1,214)	1:37:B:LEU:HD12	1:33:B:LEU:HA	11	0.27
(1,214)	1:37:B:LEU:HD13	1:33:B:LEU:HA	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,213)	1:37:A:LEU:HD12	1:33:A:LEU:HA	11	0.27
(1,213)	1:37:A:LEU:HD13	1:33:A:LEU:HA	14	0.27
(1,212)	1:36:B:LEU:HD11	1:33:B:LEU:HA	8	0.27
(1,211)	1:36:A:LEU:HD11	1:33:A:LEU:HA	8	0.27
(1,192)	1:39:B:LYS:HD2	1:35:B:GLN:HA	3	0.27
(1,192)	1:39:B:LYS:HD2	1:35:B:GLN:HA	7	0.27
(1,192)	1:39:B:LYS:HD2	1:35:B:GLN:HA	10	0.27
(1,191)	1:39:A:LYS:HD2	1:35:A:GLN:HA	3	0.27
(1,191)	1:39:A:LYS:HD2	1:35:A:GLN:HA	7	0.27
(1,191)	1:39:A:LYS:HD2	1:35:A:GLN:HA	10	0.27
(1,84)	1:75:B:ILE:H	1:75:B:ILE:HD11	8	0.27
(1,84)	1:75:B:ILE:H	1:75:B:ILE:HD12	10	0.27
(1,84)	1:75:B:ILE:H	1:75:B:ILE:HD13	18	0.27
(1,84)	1:75:B:ILE:H	1:75:B:ILE:HD11	19	0.27
(1,83)	1:75:A:ILE:H	1:75:A:ILE:HD11	8	0.27
(1,83)	1:75:A:ILE:H	1:75:A:ILE:HD12	10	0.27
(1,83)	1:75:A:ILE:H	1:75:A:ILE:HD13	18	0.27
(1,83)	1:75:A:ILE:H	1:75:A:ILE:HD11	19	0.27
(1,76)	1:41:B:LEU:H	1:40:B:GLU:HG2	18	0.27
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD13	12	0.27
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD13	12	0.27
(1,3826)	1:30:B:LYS:H	1:30:B:LYS:HG3	9	0.26
(1,3825)	1:30:A:LYS:H	1:30:A:LYS:HG3	9	0.26
(1,3802)	1:10:B:GLY:H	1:12:B:VAL:HG23	9	0.26
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG23	14	0.26
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG21	19	0.26
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG23	14	0.26
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG21	19	0.26
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG22	5	0.26
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG22	12	0.26
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG22	12	0.26
(1,3776)	1:37:B:LEU:H	1:37:B:LEU:HD22	20	0.26
(1,3775)	1:37:A:LEU:H	1:37:A:LEU:HD22	20	0.26
(1,3774)	1:55:B:ASP:H	1:54:B:ILE:HG23	1	0.26
(1,3774)	1:55:B:ASP:H	1:54:B:ILE:HG21	5	0.26
(1,3774)	1:55:B:ASP:H	1:54:B:ILE:HG23	19	0.26
(1,3773)	1:55:A:ASP:H	1:54:A:ILE:HG21	5	0.26
(1,3773)	1:55:A:ASP:H	1:54:A:ILE:HG23	13	0.26
(1,3773)	1:55:A:ASP:H	1:54:A:ILE:HG23	19	0.26
(1,3770)	1:54:B:ILE:H	1:48:B:ILE:HD13	9	0.26
(1,3770)	1:54:B:ILE:H	1:48:B:ILE:HD11	17	0.26
(1,3769)	1:54:A:ILE:H	1:48:A:ILE:HD13	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3769)	1:54:A:ILE:H	1:48:A:ILE:HD11	17	0.26
(1,3747)	1:30:A:LYS:H	1:30:A:LYS:HD2	20	0.26
(1,3730)	1:37:B:LEU:H	1:33:B:LEU:HD11	3	0.26
(1,3727)	1:55:A:ASP:H	1:53:A:VAL:HG13	2	0.26
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG13	14	0.26
(1,3705)	1:12:A:VAL:H	1:82:B:LEU:HG	20	0.26
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD12	1	0.26
(1,3698)	1:46:B:LYS:H	1:45:B:ILE:HG13	3	0.26
(1,3697)	1:46:A:LYS:H	1:45:A:ILE:HG13	3	0.26
(1,3697)	1:46:A:LYS:H	1:45:A:ILE:HG13	8	0.26
(1,3697)	1:46:A:LYS:H	1:45:A:ILE:HG13	10	0.26
(1,3692)	1:75:B:ILE:H	1:61:B:LEU:HB3	11	0.26
(1,3691)	1:75:A:ILE:H	1:61:A:LEU:HB3	11	0.26
(1,3690)	1:57:B:ILE:H	1:80:B:ILE:HG12	3	0.26
(1,3690)	1:57:B:ILE:H	1:80:B:ILE:HG12	11	0.26
(1,3689)	1:57:A:ILE:H	1:80:A:ILE:HG12	3	0.26
(1,3689)	1:57:A:ILE:H	1:80:A:ILE:HG12	11	0.26
(1,3680)	1:54:B:ILE:H	1:54:B:ILE:HD12	5	0.26
(1,3679)	1:54:A:ILE:H	1:54:A:ILE:HD12	5	0.26
(1,3643)	1:41:A:LEU:H	1:42:A:ALA:HB2	3	0.26
(1,3622)	1:87:B:TYR:H	1:85:B:ALA:HB1	17	0.26
(1,3621)	1:87:A:TYR:H	1:85:A:ALA:HB1	17	0.26
(1,3606)	1:41:B:LEU:H	1:39:B:LYS:HG2	8	0.26
(1,3606)	1:41:B:LEU:H	1:39:B:LYS:HG2	18	0.26
(1,3605)	1:41:A:LEU:H	1:39:A:LYS:HG2	8	0.26
(1,3605)	1:41:A:LEU:H	1:39:A:LYS:HG2	18	0.26
(1,3587)	1:61:A:LEU:H	1:57:A:ILE:HB	18	0.26
(1,3554)	1:66:B:ASP:H	1:68:B:GLN:HG3	15	0.26
(1,3548)	1:76:B:SER:H	1:73:B:GLU:HB3	2	0.26
(1,3548)	1:76:B:SER:H	1:73:B:GLU:HB3	17	0.26
(1,3547)	1:76:A:SER:H	1:73:A:GLU:HB3	2	0.26
(1,3534)	1:50:B:ASP:H	1:46:B:LYS:HD2	8	0.26
(1,3533)	1:50:A:ASP:H	1:46:A:LYS:HD2	8	0.26
(1,3528)	1:49:B:LYS:H	1:46:B:LYS:HD2	15	0.26
(1,3527)	1:49:A:LYS:H	1:46:A:LYS:HD2	15	0.26
(1,3505)	1:18:A:TYR:H	1:40:A:GLU:HG3	1	0.26
(1,3475)	1:57:A:ILE:H	1:56:A:GLU:HG2	20	0.26
(1,3460)	1:57:B:ILE:H	1:55:B:ASP:HB3	20	0.26
(1,3459)	1:57:A:ILE:H	1:55:A:ASP:HB3	4	0.26
(1,3430)	1:56:B:GLU:H	1:51:B:LYS:HE2	14	0.26
(1,3429)	1:56:A:GLU:H	1:51:A:LYS:HE2	14	0.26
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB2	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3350)	1:48:B:ILE:H	1:46:B:LYS:HA	14	0.26
(1,3349)	1:48:A:ILE:H	1:46:A:LYS:HA	14	0.26
(1,3349)	1:48:A:ILE:H	1:46:A:LYS:HA	19	0.26
(1,3334)	1:69:B:VAL:H	1:29:B:SER:HB3	4	0.26
(1,3333)	1:69:A:VAL:H	1:29:A:SER:HB3	4	0.26
(1,3286)	1:76:B:SER:H	1:72:B:GLN:H	7	0.26
(1,3273)	1:52:A:ALA:H	1:50:A:ASP:H	19	0.26
(1,3236)	1:12:B:VAL:H	1:14:B:ILE:H	11	0.26
(1,3235)	1:12:A:VAL:H	1:14:A:ILE:H	11	0.26
(1,3180)	1:30:B:LYS:HG2	1:55:B:ASP:HB2	11	0.26
(1,3177)	1:83:A:LYS:HE3	1:75:B:ILE:HD11	13	0.26
(1,3140)	1:12:B:VAL:HG22	1:9:B:GLU:HG2	9	0.26
(1,3103)	1:30:A:LYS:HG2	1:54:A:ILE:HG22	20	0.26
(1,3076)	1:85:B:ALA:HA	1:12:A:VAL:HG22	5	0.26
(1,3054)	1:86:B:HIS:HB3	1:12:A:VAL:HG13	6	0.26
(1,3053)	1:86:A:HIS:HB3	1:12:B:VAL:HG13	2	0.26
(1,3052)	1:40:B:GLU:HG3	1:37:B:LEU:HD22	1	0.26
(1,3052)	1:40:B:GLU:HG2	1:37:B:LEU:HD21	3	0.26
(1,3052)	1:40:B:GLU:HG3	1:37:B:LEU:HD22	5	0.26
(1,3051)	1:40:A:GLU:HG2	1:37:A:LEU:HD21	3	0.26
(1,3051)	1:40:A:GLU:HG3	1:37:A:LEU:HD22	5	0.26
(1,3038)	1:35:B:GLN:HB3	1:36:B:LEU:HG	13	0.26
(1,3037)	1:35:A:GLN:HB3	1:36:A:LEU:HG	13	0.26
(1,2988)	1:53:B:VAL:HG12	1:56:B:GLU:HG3	18	0.26
(1,2960)	1:44:B:THR:HG22	1:88:B:HIS:HB3	19	0.26
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD11	19	0.26
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD11	19	0.26
(1,2860)	1:53:B:VAL:HG11	1:46:B:LYS:HG3	19	0.26
(1,2859)	1:53:A:VAL:HG11	1:46:A:LYS:HG3	19	0.26
(1,2844)	1:42:B:ALA:HB1	1:43:B:ASN:HB3	3	0.26
(1,2834)	1:79:B:ALA:HB2	1:76:B:SER:HB3	14	0.26
(1,2833)	1:79:A:ALA:HB2	1:76:A:SER:HB3	14	0.26
(1,2724)	1:84:B:ALA:HB1	1:91:B:LYS:HB2	1	0.26
(1,2723)	1:84:A:ALA:HB1	1:91:A:LYS:HB2	1	0.26
(1,2680)	1:49:B:LYS:HB2	1:47:B:ASN:HB3	9	0.26
(1,2664)	1:8:B:LEU:HD13	1:41:A:LEU:HB3	3	0.26
(1,2663)	1:8:A:LEU:HD13	1:41:B:LEU:HB3	3	0.26
(1,2663)	1:8:A:LEU:HD12	1:41:B:LEU:HB3	12	0.26
(1,2662)	1:30:B:LYS:HG3	1:34:B:LYS:HB2	3	0.26
(1,2661)	1:30:A:LYS:HG3	1:34:A:LYS:HB2	3	0.26
(1,2630)	1:81:B:ALA:HB1	1:41:B:LEU:HB3	8	0.26
(1,2629)	1:81:A:ALA:HB1	1:41:A:LEU:HB3	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2596)	1:85:B:ALA:HB2	1:9:A:GLU:HB3	18	0.26
(1,2595)	1:85:A:ALA:HB1	1:9:B:GLU:HB3	9	0.26
(1,2548)	1:82:B:LEU:HG	1:78:B:VAL:HB	17	0.26
(1,2547)	1:82:A:LEU:HG	1:78:A:VAL:HB	16	0.26
(1,2547)	1:82:A:LEU:HG	1:78:A:VAL:HB	17	0.26
(1,2546)	1:36:B:LEU:HD21	1:33:B:LEU:HB2	14	0.26
(1,2545)	1:36:A:LEU:HD21	1:33:A:LEU:HB2	14	0.26
(1,2530)	1:53:B:VAL:HG12	1:56:B:GLU:HB2	16	0.26
(1,2529)	1:53:A:VAL:HG12	1:56:A:GLU:HB2	16	0.26
(1,2514)	1:47:B:ASN:HB3	1:46:B:LYS:HD2	2	0.26
(1,2514)	1:47:B:ASN:HB3	1:46:B:LYS:HD2	6	0.26
(1,2514)	1:47:B:ASN:HB3	1:46:B:LYS:HD2	7	0.26
(1,2513)	1:47:A:ASN:HB3	1:46:A:LYS:HD2	6	0.26
(1,2513)	1:47:A:ASN:HB3	1:46:A:LYS:HD2	7	0.26
(1,2506)	1:61:B:LEU:HG	1:60:B:GLY:HA3	6	0.26
(1,2505)	1:61:A:LEU:HG	1:60:A:GLY:HA3	6	0.26
(1,2488)	1:72:B:GLN:HB2	1:72:B:GLN:HG3	20	0.26
(1,2487)	1:72:A:GLN:HB2	1:72:A:GLN:HG3	20	0.26
(1,2479)	1:62:A:ASP:HB3	1:59:A:GLN:HB3	4	0.26
(1,2430)	1:56:B:GLU:HG3	1:59:B:GLN:HG3	14	0.26
(1,2412)	1:75:B:ILE:HD13	1:72:B:GLN:HG3	3	0.26
(1,2379)	1:39:A:LYS:HE3	1:35:A:GLN:HB3	13	0.26
(1,2339)	1:64:A:ASN:HB3	1:65:A:GLN:HG2	4	0.26
(1,2336)	1:30:B:LYS:HE2	1:58:B:PHE:HB3	15	0.26
(1,2335)	1:30:A:LYS:HE2	1:58:A:PHE:HB3	15	0.26
(1,2314)	1:54:B:ILE:HB	1:55:B:ASP:HB2	13	0.26
(1,2313)	1:54:A:ILE:HB	1:55:A:ASP:HB2	13	0.26
(1,2299)	1:53:A:VAL:HA	1:50:A:ASP:HB3	1	0.26
(1,2299)	1:53:A:VAL:HA	1:50:A:ASP:HB3	15	0.26
(1,2269)	1:83:A:LYS:HA	1:83:A:LYS:HE2	2	0.26
(1,2266)	1:53:B:VAL:HG12	1:50:B:ASP:HB2	20	0.26
(1,2265)	1:53:A:VAL:HG12	1:50:A:ASP:HB2	20	0.26
(1,2264)	1:88:B:HIS:HB2	1:86:B:HIS:HB2	9	0.26
(1,2263)	1:88:A:HIS:HB2	1:86:A:HIS:HB2	9	0.26
(1,2262)	1:72:B:GLN:HG3	1:83:A:LYS:HE3	19	0.26
(1,2261)	1:72:A:GLN:HG3	1:83:B:LYS:HE3	19	0.26
(1,2240)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	14	0.26
(1,2240)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	18	0.26
(1,2239)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	14	0.26
(1,2210)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	14	0.26
(1,2210)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	18	0.26
(1,2209)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2202)	1:8:B:LEU:HD11	1:78:A:VAL:HA	20	0.26
(1,2201)	1:8:A:LEU:HD13	1:78:B:VAL:HA	12	0.26
(1,2198)	1:30:B:LYS:HE2	1:51:B:LYS:HE2	19	0.26
(1,2185)	1:46:A:LYS:HA	1:47:A:ASN:HB2	4	0.26
(1,2170)	1:86:B:HIS:HA	1:88:B:HIS:HB3	3	0.26
(1,2169)	1:86:A:HIS:HA	1:88:A:HIS:HB3	3	0.26
(1,2150)	1:67:B:GLU:HA	1:30:B:LYS:HA	5	0.26
(1,2150)	1:67:B:GLU:HA	1:30:B:LYS:HA	11	0.26
(1,2149)	1:67:A:GLU:HA	1:30:A:LYS:HA	5	0.26
(1,2149)	1:67:A:GLU:HA	1:30:A:LYS:HA	11	0.26
(1,2088)	1:74:B:PHE:HA	1:76:B:SER:HB3	8	0.26
(1,2072)	1:74:B:PHE:HA	1:76:B:SER:HB3	2	0.26
(1,2072)	1:74:B:PHE:HA	1:76:B:SER:HB3	8	0.26
(1,2071)	1:74:A:PHE:HA	1:76:A:SER:HB3	2	0.26
(1,2059)	1:83:A:LYS:HD2	1:79:A:ALA:HA	20	0.26
(1,1883)	1:46:A:LYS:HB3	1:90:A:HIS:HA	19	0.26
(1,1850)	1:54:B:ILE:H	1:53:B:VAL:HG13	2	0.26
(1,1850)	1:54:B:ILE:H	1:53:B:VAL:HG11	12	0.26
(1,1849)	1:54:A:ILE:H	1:53:A:VAL:HG13	2	0.26
(1,1834)	1:59:B:GLN:HG2	1:62:B:ASP:H	9	0.26
(1,1833)	1:59:A:GLN:HG2	1:62:A:ASP:H	9	0.26
(1,1805)	1:57:A:ILE:HG22	1:61:A:LEU:H	14	0.26
(1,1752)	1:75:B:ILE:HG23	1:79:A:ALA:H	11	0.26
(1,1752)	1:75:B:ILE:HG22	1:79:A:ALA:H	12	0.26
(1,1751)	1:75:A:ILE:HG22	1:79:B:ALA:H	12	0.26
(1,1738)	1:75:B:ILE:HG22	1:82:A:LEU:HD12	6	0.26
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD11	18	0.26
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD11	18	0.26
(1,1724)	1:80:B:ILE:HG21	1:8:A:LEU:HD11	2	0.26
(1,1724)	1:80:B:ILE:HG21	1:8:A:LEU:HD13	6	0.26
(1,1724)	1:80:B:ILE:HG23	1:8:A:LEU:HD13	9	0.26
(1,1699)	1:85:A:ALA:HB2	1:8:B:LEU:HB2	7	0.26
(1,1693)	1:75:A:ILE:HD12	1:83:B:LYS:HE3	10	0.26
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG22	4	0.26
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG21	15	0.26
(1,1618)	1:63:B:ALA:H	1:61:B:LEU:HB3	8	0.26
(1,1618)	1:63:B:ALA:H	1:61:B:LEU:HB3	10	0.26
(1,1617)	1:63:A:ALA:H	1:61:A:LEU:HB3	8	0.26
(1,1357)	1:89:A:THR:H	1:87:A:TYR:HB3	13	0.26
(1,792)	1:82:B:LEU:HD11	1:82:B:LEU:HD13	1	0.26
(1,792)	1:82:B:LEU:HD11	1:82:B:LEU:HD13	4	0.26
(1,792)	1:82:B:LEU:HD12	1:82:B:LEU:HD13	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,792)	1:82:B:LEU:HD11	1:82:B:LEU:HD13	7	0.26
(1,792)	1:82:B:LEU:HD12	1:82:B:LEU:HD11	8	0.26
(1,792)	1:82:B:LEU:HD12	1:82:B:LEU:HD11	9	0.26
(1,792)	1:82:B:LEU:HD11	1:82:B:LEU:HD13	10	0.26
(1,792)	1:82:B:LEU:HD12	1:82:B:LEU:HD13	11	0.26
(1,792)	1:82:B:LEU:HD11	1:82:B:LEU:HD13	13	0.26
(1,792)	1:82:B:LEU:HD11	1:82:B:LEU:HD13	14	0.26
(1,792)	1:82:B:LEU:HD12	1:82:B:LEU:HD13	15	0.26
(1,792)	1:82:B:LEU:HD11	1:82:B:LEU:HD13	16	0.26
(1,792)	1:82:B:LEU:HD12	1:82:B:LEU:HD13	18	0.26
(1,792)	1:82:B:LEU:HD11	1:82:B:LEU:HD13	19	0.26
(1,791)	1:82:A:LEU:HD11	1:82:A:LEU:HD13	1	0.26
(1,791)	1:82:A:LEU:HD11	1:82:A:LEU:HD13	2	0.26
(1,791)	1:82:A:LEU:HD11	1:82:A:LEU:HD13	4	0.26
(1,791)	1:82:A:LEU:HD12	1:82:A:LEU:HD13	5	0.26
(1,791)	1:82:A:LEU:HD12	1:82:A:LEU:HD11	7	0.26
(1,791)	1:82:A:LEU:HD12	1:82:A:LEU:HD11	8	0.26
(1,791)	1:82:A:LEU:HD12	1:82:A:LEU:HD11	9	0.26
(1,791)	1:82:A:LEU:HD12	1:82:A:LEU:HD13	11	0.26
(1,791)	1:82:A:LEU:HD11	1:82:A:LEU:HD13	13	0.26
(1,791)	1:82:A:LEU:HD11	1:82:A:LEU:HD13	14	0.26
(1,791)	1:82:A:LEU:HD11	1:82:A:LEU:HD13	16	0.26
(1,791)	1:82:A:LEU:HD11	1:82:A:LEU:HD13	20	0.26
(1,757)	1:53:A:VAL:HG21	1:53:A:VAL:HG23	7	0.26
(1,729)	1:53:A:VAL:HG22	1:53:A:VAL:HG12	15	0.26
(1,729)	1:53:A:VAL:HG22	1:53:A:VAL:HG13	17	0.26
(1,700)	1:37:B:LEU:HD22	1:48:B:ILE:HG13	17	0.26
(1,699)	1:37:A:LEU:HD22	1:48:A:ILE:HG13	17	0.26
(1,690)	1:89:B:THR:HG22	1:89:B:THR:HG23	1	0.26
(1,690)	1:89:B:THR:HG22	1:89:B:THR:HG23	2	0.26
(1,690)	1:89:B:THR:HG22	1:89:B:THR:HG23	3	0.26
(1,690)	1:89:B:THR:HG21	1:89:B:THR:HG22	4	0.26
(1,690)	1:89:B:THR:HG21	1:89:B:THR:HG22	5	0.26
(1,690)	1:89:B:THR:HG22	1:89:B:THR:HG23	6	0.26
(1,690)	1:89:B:THR:HG21	1:89:B:THR:HG22	7	0.26
(1,690)	1:89:B:THR:HG22	1:89:B:THR:HG23	8	0.26
(1,690)	1:89:B:THR:HG22	1:89:B:THR:HG23	9	0.26
(1,690)	1:89:B:THR:HG22	1:89:B:THR:HG23	11	0.26
(1,690)	1:89:B:THR:HG21	1:89:B:THR:HG23	12	0.26
(1,690)	1:89:B:THR:HG21	1:89:B:THR:HG23	14	0.26
(1,690)	1:89:B:THR:HG22	1:89:B:THR:HG23	15	0.26
(1,690)	1:89:B:THR:HG21	1:89:B:THR:HG22	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,690)	1:89:B:THR:HG22	1:89:B:THR:HG23	17	0.26
(1,690)	1:89:B:THR:HG22	1:89:B:THR:HG23	18	0.26
(1,690)	1:89:B:THR:HG21	1:89:B:THR:HG22	19	0.26
(1,690)	1:89:B:THR:HG21	1:89:B:THR:HG22	20	0.26
(1,689)	1:89:A:THR:HG22	1:89:A:THR:HG23	1	0.26
(1,689)	1:89:A:THR:HG22	1:89:A:THR:HG23	2	0.26
(1,689)	1:89:A:THR:HG22	1:89:A:THR:HG23	3	0.26
(1,689)	1:89:A:THR:HG21	1:89:A:THR:HG23	4	0.26
(1,689)	1:89:A:THR:HG21	1:89:A:THR:HG22	5	0.26
(1,689)	1:89:A:THR:HG22	1:89:A:THR:HG23	6	0.26
(1,689)	1:89:A:THR:HG21	1:89:A:THR:HG22	7	0.26
(1,689)	1:89:A:THR:HG21	1:89:A:THR:HG23	8	0.26
(1,689)	1:89:A:THR:HG22	1:89:A:THR:HG23	9	0.26
(1,689)	1:89:A:THR:HG21	1:89:A:THR:HG22	10	0.26
(1,689)	1:89:A:THR:HG22	1:89:A:THR:HG23	11	0.26
(1,689)	1:89:A:THR:HG21	1:89:A:THR:HG22	12	0.26
(1,689)	1:89:A:THR:HG21	1:89:A:THR:HG23	13	0.26
(1,689)	1:89:A:THR:HG22	1:89:A:THR:HG23	14	0.26
(1,689)	1:89:A:THR:HG22	1:89:A:THR:HG23	15	0.26
(1,689)	1:89:A:THR:HG21	1:89:A:THR:HG23	16	0.26
(1,689)	1:89:A:THR:HG21	1:89:A:THR:HG22	17	0.26
(1,689)	1:89:A:THR:HG22	1:89:A:THR:HG23	18	0.26
(1,689)	1:89:A:THR:HG21	1:89:A:THR:HG22	19	0.26
(1,689)	1:89:A:THR:HG22	1:89:A:THR:HG23	20	0.26
(1,683)	1:44:A:THR:HG21	1:85:A:ALA:HA	15	0.26
(1,662)	1:57:B:ILE:HG12	1:80:B:ILE:HG12	8	0.26
(1,661)	1:57:A:ILE:HG12	1:80:A:ILE:HG12	8	0.26
(1,650)	1:49:B:LYS:HG2	1:49:B:LYS:HA	3	0.26
(1,650)	1:49:B:LYS:HG2	1:49:B:LYS:HA	11	0.26
(1,650)	1:49:B:LYS:HG2	1:49:B:LYS:HA	12	0.26
(1,650)	1:49:B:LYS:HG2	1:49:B:LYS:HA	16	0.26
(1,650)	1:49:B:LYS:HG2	1:49:B:LYS:HA	18	0.26
(1,650)	1:49:B:LYS:HG2	1:49:B:LYS:HA	20	0.26
(1,649)	1:49:A:LYS:HG2	1:49:A:LYS:HA	3	0.26
(1,649)	1:49:A:LYS:HG2	1:49:A:LYS:HA	11	0.26
(1,649)	1:49:A:LYS:HG2	1:49:A:LYS:HA	12	0.26
(1,649)	1:49:A:LYS:HG2	1:49:A:LYS:HA	16	0.26
(1,649)	1:49:A:LYS:HG2	1:49:A:LYS:HA	18	0.26
(1,572)	1:49:B:LYS:HB3	1:49:B:LYS:HD2	5	0.26
(1,571)	1:49:A:LYS:HB3	1:49:A:LYS:HD2	5	0.26
(1,552)	1:39:B:LYS:HD2	1:39:B:LYS:HD3	1	0.26
(1,552)	1:39:B:LYS:HD2	1:39:B:LYS:HD3	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,552)	1:39:B:LYS:HD2	1:39:B:LYS:HD3	4	0.26
(1,552)	1:39:B:LYS:HD2	1:39:B:LYS:HD3	6	0.26
(1,552)	1:39:B:LYS:HD2	1:39:B:LYS:HD3	7	0.26
(1,552)	1:39:B:LYS:HD2	1:39:B:LYS:HD3	8	0.26
(1,552)	1:39:B:LYS:HD2	1:39:B:LYS:HD3	10	0.26
(1,552)	1:39:B:LYS:HD2	1:39:B:LYS:HD3	11	0.26
(1,552)	1:39:B:LYS:HD2	1:39:B:LYS:HD3	15	0.26
(1,552)	1:39:B:LYS:HD2	1:39:B:LYS:HD3	16	0.26
(1,552)	1:39:B:LYS:HD2	1:39:B:LYS:HD3	17	0.26
(1,552)	1:39:B:LYS:HD2	1:39:B:LYS:HD3	20	0.26
(1,551)	1:39:A:LYS:HD2	1:39:A:LYS:HD3	1	0.26
(1,551)	1:39:A:LYS:HD2	1:39:A:LYS:HD3	2	0.26
(1,551)	1:39:A:LYS:HD2	1:39:A:LYS:HD3	4	0.26
(1,551)	1:39:A:LYS:HD2	1:39:A:LYS:HD3	6	0.26
(1,551)	1:39:A:LYS:HD2	1:39:A:LYS:HD3	7	0.26
(1,551)	1:39:A:LYS:HD2	1:39:A:LYS:HD3	8	0.26
(1,551)	1:39:A:LYS:HD2	1:39:A:LYS:HD3	10	0.26
(1,551)	1:39:A:LYS:HD2	1:39:A:LYS:HD3	11	0.26
(1,551)	1:39:A:LYS:HD2	1:39:A:LYS:HD3	13	0.26
(1,551)	1:39:A:LYS:HD2	1:39:A:LYS:HD3	15	0.26
(1,551)	1:39:A:LYS:HD2	1:39:A:LYS:HD3	16	0.26
(1,551)	1:39:A:LYS:HD2	1:39:A:LYS:HD3	17	0.26
(1,551)	1:39:A:LYS:HD2	1:39:A:LYS:HD3	20	0.26
(1,423)	1:39:A:LYS:HD3	1:35:A:GLN:HB3	2	0.26
(1,388)	1:36:B:LEU:HD12	1:36:B:LEU:HA	7	0.26
(1,387)	1:36:A:LEU:HD12	1:36:A:LEU:HA	7	0.26
(1,386)	1:36:B:LEU:HD21	1:36:B:LEU:HA	4	0.26
(1,386)	1:36:B:LEU:HD23	1:36:B:LEU:HA	14	0.26
(1,385)	1:36:A:LEU:HD21	1:36:A:LEU:HA	4	0.26
(1,385)	1:36:A:LEU:HD22	1:36:A:LEU:HA	8	0.26
(1,358)	1:80:B:ILE:HG22	1:91:B:LYS:HE2	10	0.26
(1,357)	1:80:A:ILE:HG22	1:91:A:LYS:HE2	10	0.26
(1,343)	1:83:A:LYS:HE3	1:87:A:TYR:HB2	11	0.26
(1,214)	1:37:B:LEU:HD11	1:33:B:LEU:HA	9	0.26
(1,214)	1:37:B:LEU:HD12	1:33:B:LEU:HA	18	0.26
(1,214)	1:37:B:LEU:HD11	1:33:B:LEU:HA	20	0.26
(1,213)	1:37:A:LEU:HD11	1:33:A:LEU:HA	9	0.26
(1,213)	1:37:A:LEU:HD12	1:33:A:LEU:HA	18	0.26
(1,213)	1:37:A:LEU:HD11	1:33:A:LEU:HA	20	0.26
(1,192)	1:39:B:LYS:HD2	1:35:B:GLN:HA	12	0.26
(1,192)	1:39:B:LYS:HD2	1:35:B:GLN:HA	17	0.26
(1,191)	1:39:A:LYS:HD2	1:35:A:GLN:HA	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,84)	1:75:B:ILE:H	1:75:B:ILE:HD13	20	0.26
(1,83)	1:75:A:ILE:H	1:75:A:ILE:HD13	20	0.26
(1,75)	1:41:A:LEU:H	1:40:A:GLU:HG2	18	0.26
(1,75)	1:41:A:LEU:H	1:40:A:GLU:HG2	20	0.26
(1,3826)	1:30:B:LYS:H	1:30:B:LYS:HG3	8	0.25
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG23	20	0.25
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG23	20	0.25
(1,3802)	1:10:B:GLY:H	1:12:B:VAL:HG22	6	0.25
(1,3801)	1:10:A:GLY:H	1:12:A:VAL:HG22	6	0.25
(1,3801)	1:10:A:GLY:H	1:12:A:VAL:HG23	9	0.25
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG22	5	0.25
(1,3773)	1:55:A:ASP:H	1:54:A:ILE:HG23	1	0.25
(1,3773)	1:55:A:ASP:H	1:54:A:ILE:HG22	6	0.25
(1,3748)	1:30:B:LYS:H	1:30:B:LYS:HD2	8	0.25
(1,3747)	1:30:A:LYS:H	1:30:A:LYS:HD2	8	0.25
(1,3738)	1:11:B:ILE:H	1:12:B:VAL:HG11	16	0.25
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG13	14	0.25
(1,3706)	1:12:B:VAL:H	1:82:A:LEU:HG	20	0.25
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD12	1	0.25
(1,3698)	1:46:B:LYS:H	1:45:B:ILE:HG13	8	0.25
(1,3694)	1:75:B:ILE:H	1:83:A:LYS:HG2	6	0.25
(1,3693)	1:75:A:ILE:H	1:83:B:LYS:HG2	6	0.25
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB3	16	0.25
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB3	20	0.25
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB3	16	0.25
(1,3606)	1:41:B:LEU:H	1:39:B:LYS:HG2	2	0.25
(1,3606)	1:41:B:LEU:H	1:39:B:LYS:HG2	16	0.25
(1,3605)	1:41:A:LEU:H	1:39:A:LYS:HG2	2	0.25
(1,3588)	1:61:B:LEU:H	1:57:B:ILE:HB	18	0.25
(1,3553)	1:66:A:ASP:H	1:68:A:GLN:HG3	15	0.25
(1,3547)	1:76:A:SER:H	1:73:A:GLU:HB3	17	0.25
(1,3532)	1:38:B:THR:H	1:39:B:LYS:HB2	1	0.25
(1,3532)	1:38:B:THR:H	1:39:B:LYS:HB2	19	0.25
(1,3531)	1:38:A:THR:H	1:39:A:LYS:HB2	1	0.25
(1,3527)	1:49:A:LYS:H	1:46:A:LYS:HD2	11	0.25
(1,3494)	1:64:B:ASN:H	1:65:B:GLN:HB3	5	0.25
(1,3493)	1:64:A:ASN:H	1:65:A:GLN:HB3	5	0.25
(1,3479)	1:85:A:ALA:H	1:9:B:GLU:HG2	6	0.25
(1,3478)	1:70:B:ASP:H	1:72:B:GLN:HG2	9	0.25
(1,3477)	1:70:A:ASP:H	1:72:A:GLN:HG2	9	0.25
(1,3474)	1:55:B:ASP:H	1:53:B:VAL:HB	1	0.25
(1,3474)	1:55:B:ASP:H	1:53:B:VAL:HB	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3473)	1:55:A:ASP:H	1:53:A:VAL:HB	1	0.25
(1,3473)	1:55:A:ASP:H	1:53:A:VAL:HB	8	0.25
(1,3466)	1:58:B:PHE:H	1:59:B:GLN:HG3	6	0.25
(1,3460)	1:57:B:ILE:H	1:55:B:ASP:HB3	4	0.25
(1,3460)	1:57:B:ILE:H	1:55:B:ASP:HB3	10	0.25
(1,3459)	1:57:A:ILE:H	1:55:A:ASP:HB3	10	0.25
(1,3459)	1:57:A:ILE:H	1:55:A:ASP:HB3	20	0.25
(1,3418)	1:10:B:GLY:H	1:7:A:HIS:HB3	3	0.25
(1,3417)	1:10:A:GLY:H	1:7:B:HIS:HB3	3	0.25
(1,3414)	1:59:B:GLN:H	1:54:B:ILE:HA	5	0.25
(1,3413)	1:59:A:GLN:H	1:54:A:ILE:HA	5	0.25
(1,3386)	1:76:B:SER:H	1:76:B:SER:HB3	20	0.25
(1,3385)	1:76:A:SER:H	1:76:A:SER:HB3	20	0.25
(1,3350)	1:48:B:ILE:H	1:46:B:LYS:HA	1	0.25
(1,3350)	1:48:B:ILE:H	1:46:B:LYS:HA	5	0.25
(1,3350)	1:48:B:ILE:H	1:46:B:LYS:HA	13	0.25
(1,3349)	1:48:A:ILE:H	1:46:A:LYS:HA	1	0.25
(1,3349)	1:48:A:ILE:H	1:46:A:LYS:HA	5	0.25
(1,3349)	1:48:A:ILE:H	1:46:A:LYS:HA	13	0.25
(1,3334)	1:69:B:VAL:H	1:29:B:SER:HB3	19	0.25
(1,3333)	1:69:A:VAL:H	1:29:A:SER:HB3	19	0.25
(1,3310)	1:54:B:ILE:H	1:49:B:LYS:H	9	0.25
(1,3309)	1:54:A:ILE:H	1:49:A:LYS:H	9	0.25
(1,3309)	1:54:A:ILE:H	1:49:A:LYS:H	14	0.25
(1,3298)	1:75:B:ILE:H	1:72:B:GLN:H	3	0.25
(1,3297)	1:75:A:ILE:H	1:72:A:GLN:H	3	0.25
(1,3285)	1:76:A:SER:H	1:72:A:GLN:H	7	0.25
(1,3274)	1:52:B:ALA:H	1:50:B:ASP:H	6	0.25
(1,3274)	1:52:B:ALA:H	1:50:B:ASP:H	19	0.25
(1,3273)	1:52:A:ALA:H	1:50:A:ASP:H	6	0.25
(1,3264)	1:12:B:VAL:H	1:10:B:GLY:H	20	0.25
(1,3263)	1:12:A:VAL:H	1:10:A:GLY:H	20	0.25
(1,3182)	1:75:B:ILE:HD11	1:72:B:GLN:HG3	12	0.25
(1,3182)	1:75:B:ILE:HD12	1:72:B:GLN:HG3	15	0.25
(1,3181)	1:75:A:ILE:HD11	1:72:A:GLN:HG3	12	0.25
(1,3181)	1:75:A:ILE:HD12	1:72:A:GLN:HG3	15	0.25
(1,3178)	1:83:B:LYS:HE3	1:75:A:ILE:HD13	20	0.25
(1,3139)	1:12:A:VAL:HG22	1:9:A:GLU:HG2	9	0.25
(1,3139)	1:12:A:VAL:HG22	1:9:A:GLU:HG3	19	0.25
(1,3122)	1:48:B:ILE:HG21	1:49:B:LYS:HA	10	0.25
(1,3122)	1:48:B:ILE:HG23	1:49:B:LYS:HA	15	0.25
(1,3121)	1:48:A:ILE:HG21	1:49:A:LYS:HA	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3121)	1:48:A:ILE:HG23	1:49:A:LYS:HA	15	0.25
(1,3104)	1:30:B:LYS:HG2	1:30:B:LYS:HD3	5	0.25
(1,3103)	1:30:A:LYS:HG2	1:30:A:LYS:HD3	5	0.25
(1,3078)	1:80:B:ILE:HD12	1:60:B:GLY:HA3	6	0.25
(1,3077)	1:80:A:ILE:HD12	1:60:A:GLY:HA3	6	0.25
(1,3075)	1:85:A:ALA:HA	1:12:B:VAL:HG23	2	0.25
(1,3072)	1:12:B:VAL:HG23	1:9:B:GLU:HA	14	0.25
(1,3071)	1:12:A:VAL:HG23	1:9:A:GLU:HA	14	0.25
(1,3052)	1:40:B:GLU:HG2	1:37:B:LEU:HD23	18	0.25
(1,3048)	1:30:B:LYS:HA	1:33:B:LEU:HD22	19	0.25
(1,3047)	1:30:A:LYS:HA	1:33:A:LEU:HD22	19	0.25
(1,2959)	1:44:A:THR:HG22	1:88:A:HIS:HB3	19	0.25
(1,2946)	1:85:B:ALA:HB1	1:44:B:THR:HG21	8	0.25
(1,2945)	1:85:A:ALA:HB1	1:44:A:THR:HG21	8	0.25
(1,2750)	1:32:B:GLU:HG2	1:33:B:LEU:HB3	3	0.25
(1,2749)	1:32:A:GLU:HG2	1:33:A:LEU:HB3	3	0.25
(1,2742)	1:75:B:ILE:HG13	1:83:A:LYS:HD2	19	0.25
(1,2739)	1:30:A:LYS:HB3	1:51:A:LYS:HD2	16	0.25
(1,2711)	1:30:A:LYS:HB3	1:51:A:LYS:HD2	16	0.25
(1,2701)	1:51:A:LYS:HE3	1:51:A:LYS:HD3	17	0.25
(1,2698)	1:45:B:ILE:HB	1:48:B:ILE:HA	6	0.25
(1,2697)	1:45:A:ILE:HB	1:48:A:ILE:HA	6	0.25
(1,2663)	1:8:A:LEU:HD13	1:41:B:LEU:HB3	13	0.25
(1,2662)	1:30:B:LYS:HG3	1:34:B:LYS:HB3	13	0.25
(1,2661)	1:30:A:LYS:HG3	1:34:A:LYS:HB3	13	0.25
(1,2652)	1:46:B:LYS:HD3	1:46:B:LYS:HB3	19	0.25
(1,2651)	1:46:A:LYS:HD3	1:46:A:LYS:HB3	19	0.25
(1,2642)	1:33:B:LEU:HB3	1:34:B:LYS:HB2	17	0.25
(1,2641)	1:33:A:LEU:HB3	1:34:A:LYS:HB2	17	0.25
(1,2636)	1:45:B:ILE:HD11	1:41:B:LEU:HB3	20	0.25
(1,2635)	1:45:A:ILE:HD11	1:41:A:LEU:HB3	20	0.25
(1,2602)	1:42:B:ALA:HA	1:48:B:ILE:HB	8	0.25
(1,2601)	1:42:A:ALA:HA	1:48:A:ILE:HB	8	0.25
(1,2596)	1:85:B:ALA:HB1	1:9:A:GLU:HB3	9	0.25
(1,2595)	1:85:A:ALA:HB2	1:9:B:GLU:HB3	18	0.25
(1,2566)	1:86:B:HIS:HB3	1:83:B:LYS:HB3	4	0.25
(1,2565)	1:86:A:HIS:HB3	1:83:A:LYS:HB3	4	0.25
(1,2548)	1:82:B:LEU:HG	1:78:B:VAL:HB	16	0.25
(1,2514)	1:47:B:ASN:HB3	1:46:B:LYS:HD2	12	0.25
(1,2514)	1:47:B:ASN:HB3	1:46:B:LYS:HD2	13	0.25
(1,2513)	1:47:A:ASN:HB3	1:46:A:LYS:HD2	12	0.25
(1,2513)	1:47:A:ASN:HB3	1:46:A:LYS:HD2	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2488)	1:72:B:GLN:HB3	1:72:B:GLN:HG2	19	0.25
(1,2487)	1:72:A:GLN:HB2	1:72:A:GLN:HG3	14	0.25
(1,2487)	1:72:A:GLN:HB3	1:72:A:GLN:HG2	19	0.25
(1,2474)	1:32:B:GLU:HG3	1:31:B:GLY:HA3	4	0.25
(1,2474)	1:9:B:GLU:HG2	1:10:B:GLY:HA2	7	0.25
(1,2473)	1:32:A:GLU:HG3	1:31:A:GLY:HA3	4	0.25
(1,2473)	1:9:A:GLU:HG2	1:10:A:GLY:HA2	7	0.25
(1,2411)	1:75:A:ILE:HD13	1:72:A:GLN:HG3	3	0.25
(1,2380)	1:39:B:LYS:HE3	1:35:B:GLN:HB3	13	0.25
(1,2300)	1:53:B:VAL:HA	1:50:B:ASP:HB3	1	0.25
(1,2299)	1:53:A:VAL:HA	1:50:A:ASP:HB3	13	0.25
(1,2270)	1:83:B:LYS:HA	1:83:B:LYS:HE2	2	0.25
(1,2256)	1:52:B:ALA:HB2	1:50:B:ASP:HB2	15	0.25
(1,2255)	1:52:A:ALA:HB2	1:50:A:ASP:HB2	15	0.25
(1,2239)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	18	0.25
(1,2209)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	18	0.25
(1,2202)	1:8:B:LEU:HD13	1:78:A:VAL:HA	3	0.25
(1,2201)	1:8:A:LEU:HD13	1:78:B:VAL:HA	3	0.25
(1,2186)	1:46:B:LYS:HA	1:47:B:ASN:HB2	1	0.25
(1,2186)	1:46:B:LYS:HA	1:47:B:ASN:HB2	4	0.25
(1,2186)	1:46:B:LYS:HA	1:47:B:ASN:HB2	13	0.25
(1,2186)	1:46:B:LYS:HA	1:47:B:ASN:HB2	14	0.25
(1,2185)	1:46:A:LYS:HA	1:47:A:ASN:HB2	13	0.25
(1,2169)	1:86:A:HIS:HA	1:88:A:HIS:HB3	6	0.25
(1,2150)	1:67:B:GLU:HA	1:30:B:LYS:HA	2	0.25
(1,2149)	1:67:A:GLU:HA	1:30:A:LYS:HA	4	0.25
(1,2112)	1:80:B:ILE:HD11	1:76:B:SER:HB3	7	0.25
(1,2100)	1:8:B:LEU:HG	1:9:B:GLU:HA	19	0.25
(1,2099)	1:8:A:LEU:HG	1:9:A:GLU:HA	19	0.25
(1,2039)	1:48:A:ILE:HD13	1:42:A:ALA:HA	10	0.25
(1,2032)	1:12:B:VAL:HG21	1:82:A:LEU:HA	17	0.25
(1,2031)	1:12:A:VAL:HG23	1:82:B:LEU:HA	12	0.25
(1,2031)	1:12:A:VAL:HG21	1:82:B:LEU:HA	17	0.25
(1,1892)	1:46:B:LYS:HG2	1:90:B:HIS:HA	17	0.25
(1,1891)	1:46:A:LYS:HG2	1:90:A:HIS:HA	17	0.25
(1,1852)	1:75:B:ILE:H	1:75:B:ILE:HG23	18	0.25
(1,1852)	1:75:B:ILE:H	1:75:B:ILE:HG23	20	0.25
(1,1851)	1:75:A:ILE:H	1:75:A:ILE:HG23	18	0.25
(1,1851)	1:75:A:ILE:H	1:75:A:ILE:HG23	20	0.25
(1,1850)	1:54:B:ILE:H	1:53:B:VAL:HG12	19	0.25
(1,1849)	1:54:A:ILE:H	1:53:A:VAL:HG11	12	0.25
(1,1849)	1:54:A:ILE:H	1:53:A:VAL:HG12	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1834)	1:59:B:GLN:HG2	1:62:B:ASP:H	12	0.25
(1,1833)	1:59:A:GLN:HG2	1:62:A:ASP:H	12	0.25
(1,1833)	1:59:A:GLN:HG2	1:62:A:ASP:H	13	0.25
(1,1812)	1:44:B:THR:H	1:46:B:LYS:HA	11	0.25
(1,1811)	1:44:A:THR:H	1:46:A:LYS:HA	11	0.25
(1,1751)	1:75:A:ILE:HG23	1:79:B:ALA:H	11	0.25
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD13	4	0.25
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD13	4	0.25
(1,1723)	1:80:A:ILE:HG21	1:8:B:LEU:HD11	2	0.25
(1,1691)	1:75:A:ILE:HG22	1:83:B:LYS:HE3	15	0.25
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG21	15	0.25
(1,1617)	1:63:A:ALA:H	1:61:A:LEU:HB3	10	0.25
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB3	10	0.25
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB1	16	0.25
(1,1560)	1:77:B:LEU:H	1:61:B:LEU:HB2	17	0.25
(1,1559)	1:77:A:LEU:H	1:61:A:LEU:HB2	17	0.25
(1,1500)	1:83:B:LYS:H	1:83:B:LYS:HB3	10	0.25
(1,1499)	1:83:A:LYS:H	1:83:A:LYS:HB3	10	0.25
(1,1440)	1:73:B:GLU:H	1:72:B:GLN:HG2	1	0.25
(1,1440)	1:73:B:GLU:H	1:72:B:GLN:HG2	19	0.25
(1,1439)	1:73:A:GLU:H	1:72:A:GLN:HG2	1	0.25
(1,1439)	1:73:A:GLU:H	1:72:A:GLN:HG2	19	0.25
(1,1409)	1:49:A:LYS:H	1:50:A:ASP:HB3	16	0.25
(1,1358)	1:89:B:THR:H	1:87:B:TYR:HB3	1	0.25
(1,1358)	1:89:B:THR:H	1:87:B:TYR:HB3	8	0.25
(1,1357)	1:89:A:THR:H	1:87:A:TYR:HB3	8	0.25
(1,804)	1:36:B:LEU:HD11	1:36:B:LEU:HD13	1	0.25
(1,804)	1:36:B:LEU:HD11	1:36:B:LEU:HD13	2	0.25
(1,804)	1:36:B:LEU:HD11	1:36:B:LEU:HD13	3	0.25
(1,804)	1:36:B:LEU:HD11	1:36:B:LEU:HD13	4	0.25
(1,804)	1:36:B:LEU:HD11	1:36:B:LEU:HD13	5	0.25
(1,804)	1:36:B:LEU:HD11	1:36:B:LEU:HD13	6	0.25
(1,804)	1:36:B:LEU:HD12	1:36:B:LEU:HD13	7	0.25
(1,804)	1:36:B:LEU:HD12	1:36:B:LEU:HD13	8	0.25
(1,804)	1:36:B:LEU:HD12	1:36:B:LEU:HD13	9	0.25
(1,804)	1:36:B:LEU:HD12	1:36:B:LEU:HD11	10	0.25
(1,804)	1:36:B:LEU:HD11	1:36:B:LEU:HD13	11	0.25
(1,804)	1:36:B:LEU:HD11	1:36:B:LEU:HD13	12	0.25
(1,804)	1:36:B:LEU:HD11	1:36:B:LEU:HD13	13	0.25
(1,804)	1:36:B:LEU:HD12	1:36:B:LEU:HD13	14	0.25
(1,804)	1:36:B:LEU:HD11	1:36:B:LEU:HD13	15	0.25
(1,804)	1:36:B:LEU:HD12	1:36:B:LEU:HD13	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,804)	1:36:B:LEU:HD12	1:36:B:LEU:HD13	17	0.25
(1,804)	1:36:B:LEU:HD12	1:36:B:LEU:HD13	18	0.25
(1,804)	1:36:B:LEU:HD12	1:36:B:LEU:HD11	19	0.25
(1,804)	1:36:B:LEU:HD11	1:36:B:LEU:HD13	20	0.25
(1,803)	1:36:A:LEU:HD11	1:36:A:LEU:HD13	1	0.25
(1,803)	1:36:A:LEU:HD11	1:36:A:LEU:HD13	2	0.25
(1,803)	1:36:A:LEU:HD11	1:36:A:LEU:HD13	3	0.25
(1,803)	1:36:A:LEU:HD11	1:36:A:LEU:HD13	4	0.25
(1,803)	1:36:A:LEU:HD12	1:36:A:LEU:HD13	5	0.25
(1,803)	1:36:A:LEU:HD11	1:36:A:LEU:HD13	6	0.25
(1,803)	1:36:A:LEU:HD12	1:36:A:LEU:HD11	7	0.25
(1,803)	1:36:A:LEU:HD12	1:36:A:LEU:HD13	8	0.25
(1,803)	1:36:A:LEU:HD11	1:36:A:LEU:HD13	9	0.25
(1,803)	1:36:A:LEU:HD12	1:36:A:LEU:HD11	10	0.25
(1,803)	1:36:A:LEU:HD11	1:36:A:LEU:HD13	11	0.25
(1,803)	1:36:A:LEU:HD12	1:36:A:LEU:HD13	12	0.25
(1,803)	1:36:A:LEU:HD11	1:36:A:LEU:HD13	13	0.25
(1,803)	1:36:A:LEU:HD12	1:36:A:LEU:HD13	14	0.25
(1,803)	1:36:A:LEU:HD11	1:36:A:LEU:HD13	15	0.25
(1,803)	1:36:A:LEU:HD11	1:36:A:LEU:HD13	16	0.25
(1,803)	1:36:A:LEU:HD12	1:36:A:LEU:HD13	17	0.25
(1,803)	1:36:A:LEU:HD11	1:36:A:LEU:HD13	18	0.25
(1,803)	1:36:A:LEU:HD11	1:36:A:LEU:HD13	19	0.25
(1,803)	1:36:A:LEU:HD11	1:36:A:LEU:HD13	20	0.25
(1,792)	1:82:B:LEU:HD11	1:82:B:LEU:HD13	2	0.25
(1,792)	1:82:B:LEU:HD11	1:82:B:LEU:HD13	3	0.25
(1,792)	1:82:B:LEU:HD11	1:82:B:LEU:HD13	6	0.25
(1,792)	1:82:B:LEU:HD11	1:82:B:LEU:HD13	12	0.25
(1,792)	1:82:B:LEU:HD11	1:82:B:LEU:HD13	17	0.25
(1,792)	1:82:B:LEU:HD12	1:82:B:LEU:HD13	20	0.25
(1,791)	1:82:A:LEU:HD11	1:82:A:LEU:HD13	3	0.25
(1,791)	1:82:A:LEU:HD11	1:82:A:LEU:HD13	6	0.25
(1,791)	1:82:A:LEU:HD11	1:82:A:LEU:HD13	10	0.25
(1,791)	1:82:A:LEU:HD11	1:82:A:LEU:HD13	12	0.25
(1,791)	1:82:A:LEU:HD12	1:82:A:LEU:HD11	15	0.25
(1,791)	1:82:A:LEU:HD11	1:82:A:LEU:HD13	17	0.25
(1,791)	1:82:A:LEU:HD12	1:82:A:LEU:HD13	18	0.25
(1,791)	1:82:A:LEU:HD11	1:82:A:LEU:HD13	19	0.25
(1,758)	1:53:B:VAL:HG22	1:53:B:VAL:HG21	1	0.25
(1,758)	1:53:B:VAL:HG21	1:53:B:VAL:HG23	2	0.25
(1,758)	1:53:B:VAL:HG22	1:53:B:VAL:HG21	3	0.25
(1,758)	1:53:B:VAL:HG22	1:53:B:VAL:HG21	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,758)	1:53:B:VAL:HG22	1:53:B:VAL:HG21	5	0.25
(1,758)	1:53:B:VAL:HG22	1:53:B:VAL:HG23	6	0.25
(1,758)	1:53:B:VAL:HG22	1:53:B:VAL:HG23	7	0.25
(1,758)	1:53:B:VAL:HG21	1:53:B:VAL:HG23	8	0.25
(1,758)	1:53:B:VAL:HG22	1:53:B:VAL:HG21	9	0.25
(1,758)	1:53:B:VAL:HG21	1:53:B:VAL:HG23	10	0.25
(1,758)	1:53:B:VAL:HG22	1:53:B:VAL:HG23	11	0.25
(1,758)	1:53:B:VAL:HG22	1:53:B:VAL:HG21	12	0.25
(1,758)	1:53:B:VAL:HG21	1:53:B:VAL:HG23	13	0.25
(1,758)	1:53:B:VAL:HG22	1:53:B:VAL:HG21	14	0.25
(1,758)	1:53:B:VAL:HG22	1:53:B:VAL:HG21	15	0.25
(1,758)	1:53:B:VAL:HG22	1:53:B:VAL:HG21	16	0.25
(1,758)	1:53:B:VAL:HG22	1:53:B:VAL:HG23	17	0.25
(1,758)	1:53:B:VAL:HG21	1:53:B:VAL:HG23	18	0.25
(1,758)	1:53:B:VAL:HG21	1:53:B:VAL:HG23	19	0.25
(1,758)	1:53:B:VAL:HG22	1:53:B:VAL:HG23	20	0.25
(1,757)	1:53:A:VAL:HG22	1:53:A:VAL:HG21	1	0.25
(1,757)	1:53:A:VAL:HG21	1:53:A:VAL:HG23	2	0.25
(1,757)	1:53:A:VAL:HG22	1:53:A:VAL:HG21	3	0.25
(1,757)	1:53:A:VAL:HG22	1:53:A:VAL:HG21	4	0.25
(1,757)	1:53:A:VAL:HG22	1:53:A:VAL:HG21	5	0.25
(1,757)	1:53:A:VAL:HG22	1:53:A:VAL:HG23	6	0.25
(1,757)	1:53:A:VAL:HG21	1:53:A:VAL:HG23	8	0.25
(1,757)	1:53:A:VAL:HG22	1:53:A:VAL:HG21	9	0.25
(1,757)	1:53:A:VAL:HG22	1:53:A:VAL:HG23	10	0.25
(1,757)	1:53:A:VAL:HG22	1:53:A:VAL:HG21	11	0.25
(1,757)	1:53:A:VAL:HG22	1:53:A:VAL:HG21	12	0.25
(1,757)	1:53:A:VAL:HG21	1:53:A:VAL:HG23	13	0.25
(1,757)	1:53:A:VAL:HG22	1:53:A:VAL:HG23	14	0.25
(1,757)	1:53:A:VAL:HG22	1:53:A:VAL:HG21	15	0.25
(1,757)	1:53:A:VAL:HG22	1:53:A:VAL:HG21	16	0.25
(1,757)	1:53:A:VAL:HG22	1:53:A:VAL:HG23	17	0.25
(1,757)	1:53:A:VAL:HG21	1:53:A:VAL:HG23	18	0.25
(1,757)	1:53:A:VAL:HG21	1:53:A:VAL:HG23	19	0.25
(1,757)	1:53:A:VAL:HG21	1:53:A:VAL:HG23	20	0.25
(1,730)	1:53:B:VAL:HG23	1:53:B:VAL:HG12	7	0.25
(1,730)	1:53:B:VAL:HG22	1:53:B:VAL:HG12	15	0.25
(1,730)	1:53:B:VAL:HG22	1:53:B:VAL:HG13	19	0.25
(1,729)	1:53:A:VAL:HG23	1:53:A:VAL:HG12	7	0.25
(1,690)	1:89:B:THR:HG21	1:89:B:THR:HG22	10	0.25
(1,690)	1:89:B:THR:HG21	1:89:B:THR:HG22	13	0.25
(1,684)	1:44:B:THR:HG21	1:85:B:ALA:HA	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:49:B:LYS:HG2	1:49:B:LYS:HA	14	0.25
(1,649)	1:49:A:LYS:HG2	1:49:A:LYS:HA	14	0.25
(1,649)	1:49:A:LYS:HG2	1:49:A:LYS:HA	20	0.25
(1,618)	1:42:B:ALA:HB1	1:43:B:ASN:HB3	1	0.25
(1,617)	1:42:A:ALA:HB1	1:43:A:ASN:HB3	1	0.25
(1,552)	1:39:B:LYS:HD2	1:39:B:LYS:HD3	3	0.25
(1,552)	1:39:B:LYS:HD2	1:39:B:LYS:HD3	5	0.25
(1,552)	1:39:B:LYS:HD2	1:39:B:LYS:HD3	9	0.25
(1,552)	1:39:B:LYS:HD2	1:39:B:LYS:HD3	12	0.25
(1,552)	1:39:B:LYS:HD2	1:39:B:LYS:HD3	13	0.25
(1,552)	1:39:B:LYS:HD2	1:39:B:LYS:HD3	14	0.25
(1,552)	1:39:B:LYS:HD2	1:39:B:LYS:HD3	18	0.25
(1,552)	1:39:B:LYS:HD2	1:39:B:LYS:HD3	19	0.25
(1,551)	1:39:A:LYS:HD2	1:39:A:LYS:HD3	3	0.25
(1,551)	1:39:A:LYS:HD2	1:39:A:LYS:HD3	5	0.25
(1,551)	1:39:A:LYS:HD2	1:39:A:LYS:HD3	9	0.25
(1,551)	1:39:A:LYS:HD2	1:39:A:LYS:HD3	12	0.25
(1,551)	1:39:A:LYS:HD2	1:39:A:LYS:HD3	14	0.25
(1,551)	1:39:A:LYS:HD2	1:39:A:LYS:HD3	18	0.25
(1,551)	1:39:A:LYS:HD2	1:39:A:LYS:HD3	19	0.25
(1,538)	1:75:B:ILE:HD12	1:75:B:ILE:HB	17	0.25
(1,538)	1:75:B:ILE:HD13	1:75:B:ILE:HB	20	0.25
(1,537)	1:75:A:ILE:HD12	1:75:A:ILE:HB	6	0.25
(1,537)	1:75:A:ILE:HD12	1:75:A:ILE:HB	17	0.25
(1,537)	1:75:A:ILE:HD13	1:75:A:ILE:HB	20	0.25
(1,511)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	11	0.25
(1,472)	1:78:B:VAL:HG23	1:11:B:ILE:HB	1	0.25
(1,471)	1:78:A:VAL:HG23	1:11:A:ILE:HB	1	0.25
(1,442)	1:49:B:LYS:HB2	1:53:B:VAL:HB	14	0.25
(1,441)	1:49:A:LYS:HB2	1:53:A:VAL:HB	3	0.25
(1,441)	1:49:A:LYS:HB2	1:53:A:VAL:HB	14	0.25
(1,419)	1:53:A:VAL:HB	1:50:A:ASP:HB2	11	0.25
(1,388)	1:36:B:LEU:HD12	1:36:B:LEU:HA	5	0.25
(1,388)	1:36:B:LEU:HD12	1:36:B:LEU:HA	11	0.25
(1,387)	1:36:A:LEU:HD12	1:36:A:LEU:HA	5	0.25
(1,387)	1:36:A:LEU:HD12	1:36:A:LEU:HA	11	0.25
(1,386)	1:36:B:LEU:HD22	1:36:B:LEU:HA	8	0.25
(1,385)	1:36:A:LEU:HD23	1:36:A:LEU:HA	14	0.25
(1,344)	1:83:B:LYS:HE3	1:87:B:TYR:HB2	11	0.25
(1,212)	1:36:B:LEU:HD12	1:33:B:LEU:HA	15	0.25
(1,211)	1:36:A:LEU:HD12	1:33:A:LEU:HA	15	0.25
(1,203)	1:80:A:ILE:HD12	1:76:A:SER:HA	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,192)	1:39:B:LYS:HD2	1:35:B:GLN:HA	13	0.25
(1,191)	1:39:A:LYS:HD2	1:35:A:GLN:HA	12	0.25
(1,191)	1:39:A:LYS:HD2	1:35:A:GLN:HA	13	0.25
(1,84)	1:75:B:ILE:H	1:75:B:ILE:HD13	2	0.25
(1,84)	1:75:B:ILE:H	1:75:B:ILE:HD12	16	0.25
(1,83)	1:75:A:ILE:H	1:75:A:ILE:HD13	2	0.25
(1,83)	1:75:A:ILE:H	1:75:A:ILE:HD12	16	0.25
(1,76)	1:41:B:LEU:H	1:40:B:GLU:HG2	20	0.25
(1,56)	1:36:B:LEU:H	1:36:B:LEU:HD11	10	0.25
(1,55)	1:36:A:LEU:H	1:36:A:LEU:HD11	10	0.25
(1,3826)	1:30:B:LYS:H	1:30:B:LYS:HG3	5	0.24
(1,3825)	1:30:A:LYS:H	1:30:A:LYS:HG3	5	0.24
(1,3825)	1:30:A:LYS:H	1:30:A:LYS:HG3	8	0.24
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG23	19	0.24
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG23	19	0.24
(1,3774)	1:55:B:ASP:H	1:54:B:ILE:HG22	6	0.24
(1,3770)	1:54:B:ILE:H	1:48:B:ILE:HD13	6	0.24
(1,3770)	1:54:B:ILE:H	1:48:B:ILE:HD12	8	0.24
(1,3769)	1:54:A:ILE:H	1:48:A:ILE:HD13	6	0.24
(1,3769)	1:54:A:ILE:H	1:48:A:ILE:HD12	8	0.24
(1,3748)	1:30:B:LYS:H	1:30:B:LYS:HD2	13	0.24
(1,3747)	1:30:A:LYS:H	1:30:A:LYS:HD2	13	0.24
(1,3737)	1:11:A:ILE:H	1:12:A:VAL:HG11	16	0.24
(1,3698)	1:46:B:LYS:H	1:45:B:ILE:HG13	2	0.24
(1,3698)	1:46:B:LYS:H	1:45:B:ILE:HG13	13	0.24
(1,3697)	1:46:A:LYS:H	1:45:A:ILE:HG13	13	0.24
(1,3692)	1:75:B:ILE:H	1:61:B:LEU:HB3	15	0.24
(1,3680)	1:54:B:ILE:H	1:54:B:ILE:HD11	3	0.24
(1,3679)	1:54:A:ILE:H	1:54:A:ILE:HD11	3	0.24
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB3	4	0.24
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB3	4	0.24
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB3	20	0.24
(1,3605)	1:41:A:LEU:H	1:39:A:LYS:HG2	16	0.24
(1,3604)	1:58:B:PHE:H	1:61:B:LEU:HB2	2	0.24
(1,3603)	1:58:A:PHE:H	1:61:A:LEU:HB2	2	0.24
(1,3603)	1:58:A:PHE:H	1:61:A:LEU:HB2	16	0.24
(1,3587)	1:61:A:LEU:H	1:57:A:ILE:HB	4	0.24
(1,3566)	1:44:B:THR:H	1:48:B:ILE:HB	4	0.24
(1,3565)	1:44:A:THR:H	1:48:A:ILE:HB	4	0.24
(1,3531)	1:38:A:THR:H	1:39:A:LYS:HB2	19	0.24
(1,3528)	1:49:B:LYS:H	1:46:B:LYS:HD2	11	0.24
(1,3527)	1:49:A:LYS:H	1:46:A:LYS:HD2	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3476)	1:57:B:ILE:H	1:56:B:GLU:HG2	3	0.24
(1,3475)	1:57:A:ILE:H	1:56:A:GLU:HG2	3	0.24
(1,3474)	1:55:B:ASP:H	1:53:B:VAL:HB	11	0.24
(1,3474)	1:55:B:ASP:H	1:53:B:VAL:HB	15	0.24
(1,3473)	1:55:A:ASP:H	1:53:A:VAL:HB	11	0.24
(1,3473)	1:55:A:ASP:H	1:53:A:VAL:HB	15	0.24
(1,3465)	1:58:A:PHE:H	1:59:A:GLN:HG3	6	0.24
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB3	17	0.24
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB3	17	0.24
(1,3414)	1:59:B:GLN:H	1:54:B:ILE:HA	16	0.24
(1,3413)	1:59:A:GLN:H	1:54:A:ILE:HA	6	0.24
(1,3413)	1:59:A:GLN:H	1:54:A:ILE:HA	16	0.24
(1,3386)	1:76:B:SER:H	1:76:B:SER:HB3	2	0.24
(1,3386)	1:76:B:SER:H	1:76:B:SER:HB3	8	0.24
(1,3386)	1:76:B:SER:H	1:76:B:SER:HB3	13	0.24
(1,3386)	1:76:B:SER:H	1:76:B:SER:HB3	19	0.24
(1,3385)	1:76:A:SER:H	1:76:A:SER:HB3	2	0.24
(1,3385)	1:76:A:SER:H	1:76:A:SER:HB3	4	0.24
(1,3385)	1:76:A:SER:H	1:76:A:SER:HB3	8	0.24
(1,3385)	1:76:A:SER:H	1:76:A:SER:HB3	13	0.24
(1,3385)	1:76:A:SER:H	1:76:A:SER:HB3	19	0.24
(1,3350)	1:48:B:ILE:H	1:46:B:LYS:HA	12	0.24
(1,3349)	1:48:A:ILE:H	1:46:A:LYS:HA	12	0.24
(1,3334)	1:69:B:VAL:H	1:29:B:SER:HB3	6	0.24
(1,3334)	1:69:B:VAL:H	1:29:B:SER:HB3	16	0.24
(1,3334)	1:69:B:VAL:H	1:29:B:SER:HB3	18	0.24
(1,3333)	1:69:A:VAL:H	1:29:A:SER:HB3	6	0.24
(1,3333)	1:69:A:VAL:H	1:29:A:SER:HB3	16	0.24
(1,3333)	1:69:A:VAL:H	1:29:A:SER:HB3	18	0.24
(1,3298)	1:75:B:ILE:H	1:72:B:GLN:H	2	0.24
(1,3298)	1:75:B:ILE:H	1:72:B:GLN:H	6	0.24
(1,3298)	1:75:B:ILE:H	1:72:B:GLN:H	15	0.24
(1,3297)	1:75:A:ILE:H	1:72:A:GLN:H	2	0.24
(1,3297)	1:75:A:ILE:H	1:72:A:GLN:H	6	0.24
(1,3297)	1:75:A:ILE:H	1:72:A:GLN:H	15	0.24
(1,3274)	1:52:B:ALA:H	1:50:B:ASP:H	3	0.24
(1,3273)	1:52:A:ALA:H	1:50:A:ASP:H	3	0.24
(1,3179)	1:30:A:LYS:HG2	1:55:A:ASP:HB2	6	0.24
(1,3177)	1:83:A:LYS:HE3	1:75:B:ILE:HD13	20	0.24
(1,3168)	1:75:B:ILE:HG22	1:76:B:SER:HA	1	0.24
(1,3168)	1:75:B:ILE:HG22	1:76:B:SER:HA	8	0.24
(1,3167)	1:75:A:ILE:HG22	1:76:A:SER:HA	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3167)	1:75:A:ILE:HG22	1:76:A:SER:HA	8	0.24
(1,3140)	1:12:B:VAL:HG22	1:9:B:GLU:HG3	19	0.24
(1,3132)	1:54:B:ILE:HG23	1:58:B:PHE:HB3	18	0.24
(1,3131)	1:54:A:ILE:HG23	1:58:A:PHE:HB3	18	0.24
(1,3122)	1:48:B:ILE:HG21	1:49:B:LYS:HA	1	0.24
(1,3122)	1:48:B:ILE:HG21	1:49:B:LYS:HA	3	0.24
(1,3122)	1:48:B:ILE:HG23	1:49:B:LYS:HA	5	0.24
(1,3122)	1:48:B:ILE:HG22	1:49:B:LYS:HA	17	0.24
(1,3122)	1:48:B:ILE:HG23	1:49:B:LYS:HA	18	0.24
(1,3121)	1:48:A:ILE:HG21	1:49:A:LYS:HA	1	0.24
(1,3121)	1:48:A:ILE:HG21	1:49:A:LYS:HA	3	0.24
(1,3121)	1:48:A:ILE:HG23	1:49:A:LYS:HA	12	0.24
(1,3121)	1:48:A:ILE:HG22	1:49:A:LYS:HA	17	0.24
(1,3121)	1:48:A:ILE:HG23	1:49:A:LYS:HA	18	0.24
(1,3076)	1:85:B:ALA:HA	1:12:A:VAL:HG23	2	0.24
(1,3051)	1:40:A:GLU:HG2	1:37:A:LEU:HD23	18	0.24
(1,3036)	1:9:B:GLU:HG3	1:12:B:VAL:HG13	10	0.24
(1,3036)	1:53:B:VAL:HG12	1:56:B:GLU:HG3	18	0.24
(1,2987)	1:53:A:VAL:HG12	1:56:A:GLU:HG3	18	0.24
(1,2884)	1:79:B:ALA:HB3	1:82:B:LEU:HB2	3	0.24
(1,2883)	1:79:A:ALA:HB3	1:82:A:LEU:HB2	3	0.24
(1,2794)	1:52:B:ALA:HB1	1:52:B:ALA:HA	5	0.24
(1,2794)	1:63:B:ALA:HB1	1:63:B:ALA:HA	10	0.24
(1,2794)	1:52:B:ALA:HB2	1:52:B:ALA:HA	11	0.24
(1,2793)	1:52:A:ALA:HB1	1:52:A:ALA:HA	5	0.24
(1,2793)	1:63:A:ALA:HB1	1:63:A:ALA:HA	10	0.24
(1,2793)	1:85:A:ALA:HB1	1:85:A:ALA:HA	14	0.24
(1,2780)	1:42:B:ALA:HB2	1:38:B:THR:HA	8	0.24
(1,2779)	1:42:A:ALA:HB2	1:38:A:THR:HA	8	0.24
(1,2778)	1:81:B:ALA:HB3	1:44:B:THR:HB	19	0.24
(1,2777)	1:81:A:ALA:HB3	1:44:A:THR:HB	19	0.24
(1,2740)	1:30:B:LYS:HB3	1:51:B:LYS:HD2	16	0.24
(1,2712)	1:30:B:LYS:HB3	1:51:B:LYS:HD2	16	0.24
(1,2704)	1:51:B:LYS:HE3	1:51:B:LYS:HD2	6	0.24
(1,2704)	1:51:B:LYS:HE2	1:51:B:LYS:HD2	12	0.24
(1,2703)	1:51:A:LYS:HE3	1:51:A:LYS:HD2	6	0.24
(1,2703)	1:51:A:LYS:HE2	1:51:A:LYS:HD2	12	0.24
(1,2702)	1:51:B:LYS:HE3	1:51:B:LYS:HD3	17	0.24
(1,2560)	1:39:B:LYS:HE3	1:39:B:LYS:HB3	8	0.24
(1,2558)	1:39:B:LYS:HE3	1:39:B:LYS:HB3	3	0.24
(1,2548)	1:82:B:LEU:HG	1:78:B:VAL:HB	1	0.24
(1,2548)	1:82:B:LEU:HG	1:78:B:VAL:HB	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2547)	1:82:A:LEU:HG	1:78:A:VAL:HB	1	0.24
(1,2547)	1:82:A:LEU:HG	1:78:A:VAL:HB	5	0.24
(1,2546)	1:36:B:LEU:HD22	1:33:B:LEU:HB2	12	0.24
(1,2545)	1:36:A:LEU:HD22	1:33:A:LEU:HB2	12	0.24
(1,2529)	1:53:A:VAL:HG13	1:56:A:GLU:HB2	5	0.24
(1,2518)	1:54:B:ILE:HB	1:56:B:GLU:HB2	10	0.24
(1,2517)	1:54:A:ILE:HB	1:56:A:GLU:HB2	10	0.24
(1,2488)	1:72:B:GLN:HB2	1:72:B:GLN:HG3	3	0.24
(1,2488)	1:72:B:GLN:HB2	1:72:B:GLN:HG3	14	0.24
(1,2487)	1:72:A:GLN:HB2	1:72:A:GLN:HG3	3	0.24
(1,2484)	1:54:B:ILE:HB	1:56:B:GLU:HB2	10	0.24
(1,2483)	1:54:A:ILE:HB	1:56:A:GLU:HB2	10	0.24
(1,2475)	1:33:A:LEU:HB2	1:32:A:GLU:HG2	1	0.24
(1,2471)	1:85:A:ALA:HA	1:8:B:LEU:HB3	11	0.24
(1,2466)	1:6:B:GLU:HB2	1:6:B:GLU:HA	9	0.24
(1,2465)	1:6:A:GLU:HB2	1:6:A:GLU:HA	9	0.24
(1,2430)	1:67:B:GLU:HG3	1:59:B:GLN:HG2	20	0.24
(1,2429)	1:67:A:GLU:HG3	1:59:A:GLN:HG2	20	0.24
(1,2420)	1:65:B:GLN:HB3	1:59:B:GLN:HA	18	0.24
(1,2419)	1:65:A:GLN:HB3	1:59:A:GLN:HA	18	0.24
(1,2409)	1:85:A:ALA:HB3	1:12:B:VAL:HB	7	0.24
(1,2380)	1:39:B:LYS:HE3	1:35:B:GLN:HG2	15	0.24
(1,2379)	1:39:A:LYS:HE3	1:35:A:GLN:HG2	15	0.24
(1,2300)	1:53:B:VAL:HA	1:50:B:ASP:HB3	13	0.24
(1,2261)	1:72:A:GLN:HG3	1:83:B:LYS:HE3	17	0.24
(1,2186)	1:46:B:LYS:HA	1:47:B:ASN:HB2	3	0.24
(1,2186)	1:46:B:LYS:HA	1:47:B:ASN:HB2	9	0.24
(1,2185)	1:46:A:LYS:HA	1:47:A:ASN:HB2	1	0.24
(1,2185)	1:46:A:LYS:HA	1:47:A:ASN:HB2	3	0.24
(1,2185)	1:46:A:LYS:HA	1:47:A:ASN:HB2	9	0.24
(1,2185)	1:46:A:LYS:HA	1:47:A:ASN:HB2	14	0.24
(1,2170)	1:86:B:HIS:HA	1:88:B:HIS:HB3	6	0.24
(1,2150)	1:67:B:GLU:HA	1:30:B:LYS:HA	4	0.24
(1,2149)	1:67:A:GLU:HA	1:30:A:LYS:HA	2	0.24
(1,2111)	1:80:A:ILE:HD11	1:76:A:SER:HB3	7	0.24
(1,2076)	1:79:B:ALA:HA	1:79:A:ALA:HA	6	0.24
(1,2075)	1:79:A:ALA:HA	1:79:B:ALA:HA	6	0.24
(1,2074)	1:79:B:ALA:HA	1:79:A:ALA:HA	6	0.24
(1,2073)	1:79:A:ALA:HA	1:79:B:ALA:HA	6	0.24
(1,2072)	1:74:B:PHE:HA	1:76:B:SER:HB3	20	0.24
(1,2071)	1:74:A:PHE:HA	1:76:A:SER:HB3	20	0.24
(1,2058)	1:73:B:GLU:HB2	1:74:B:PHE:HA	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2057)	1:73:A:GLU:HB2	1:74:A:PHE:HA	15	0.24
(1,2040)	1:48:B:ILE:HD13	1:42:B:ALA:HA	10	0.24
(1,1980)	1:75:B:ILE:HB	1:73:B:GLU:HA	9	0.24
(1,1980)	1:75:B:ILE:HB	1:73:B:GLU:HA	12	0.24
(1,1979)	1:75:A:ILE:HB	1:73:A:GLU:HA	9	0.24
(1,1979)	1:75:A:ILE:HB	1:73:A:GLU:HA	12	0.24
(1,1834)	1:59:B:GLN:HG2	1:62:B:ASP:H	16	0.24
(1,1833)	1:59:A:GLN:HG2	1:62:A:ASP:H	16	0.24
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD21	5	0.24
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD21	5	0.24
(1,1752)	1:75:B:ILE:HG22	1:79:A:ALA:H	6	0.24
(1,1751)	1:75:A:ILE:HG22	1:79:B:ALA:H	6	0.24
(1,1724)	1:80:B:ILE:HG23	1:8:A:LEU:HD11	1	0.24
(1,1723)	1:80:A:ILE:HG23	1:8:B:LEU:HD11	1	0.24
(1,1694)	1:75:B:ILE:HD12	1:83:A:LYS:HE3	17	0.24
(1,1693)	1:75:A:ILE:HD12	1:83:B:LYS:HE3	17	0.24
(1,1692)	1:75:B:ILE:HG22	1:83:A:LYS:HE3	15	0.24
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB1	16	0.24
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB3	10	0.24
(1,1540)	1:84:B:ALA:H	1:91:B:LYS:HD3	10	0.24
(1,1539)	1:84:A:ALA:H	1:91:A:LYS:HD3	10	0.24
(1,1410)	1:49:B:LYS:H	1:50:B:ASP:HB3	16	0.24
(1,1358)	1:89:B:THR:H	1:87:B:TYR:HB3	2	0.24
(1,1357)	1:89:A:THR:H	1:87:A:TYR:HB3	1	0.24
(1,1357)	1:89:A:THR:H	1:87:A:TYR:HB3	2	0.24
(1,729)	1:53:A:VAL:HG22	1:53:A:VAL:HG13	19	0.24
(1,716)	1:53:B:VAL:HG12	1:53:B:VAL:HG11	1	0.24
(1,716)	1:53:B:VAL:HG12	1:53:B:VAL:HG11	2	0.24
(1,716)	1:53:B:VAL:HG12	1:53:B:VAL:HG13	3	0.24
(1,716)	1:53:B:VAL:HG12	1:53:B:VAL:HG11	4	0.24
(1,716)	1:53:B:VAL:HG12	1:53:B:VAL:HG11	5	0.24
(1,716)	1:53:B:VAL:HG12	1:53:B:VAL:HG11	6	0.24
(1,716)	1:53:B:VAL:HG12	1:53:B:VAL:HG13	7	0.24
(1,716)	1:53:B:VAL:HG11	1:53:B:VAL:HG13	8	0.24
(1,716)	1:53:B:VAL:HG12	1:53:B:VAL:HG11	9	0.24
(1,716)	1:53:B:VAL:HG12	1:53:B:VAL:HG13	10	0.24
(1,716)	1:53:B:VAL:HG12	1:53:B:VAL:HG11	11	0.24
(1,716)	1:53:B:VAL:HG12	1:53:B:VAL:HG11	12	0.24
(1,716)	1:53:B:VAL:HG12	1:53:B:VAL:HG13	13	0.24
(1,716)	1:53:B:VAL:HG12	1:53:B:VAL:HG11	14	0.24
(1,716)	1:53:B:VAL:HG12	1:53:B:VAL:HG13	15	0.24
(1,716)	1:53:B:VAL:HG12	1:53:B:VAL:HG11	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,716)	1:53:B:VAL:HG12	1:53:B:VAL:HG11	17	0.24
(1,716)	1:53:B:VAL:HG12	1:53:B:VAL:HG11	18	0.24
(1,716)	1:53:B:VAL:HG12	1:53:B:VAL:HG13	19	0.24
(1,716)	1:53:B:VAL:HG12	1:53:B:VAL:HG11	20	0.24
(1,715)	1:53:A:VAL:HG12	1:53:A:VAL:HG11	1	0.24
(1,715)	1:53:A:VAL:HG12	1:53:A:VAL:HG11	2	0.24
(1,715)	1:53:A:VAL:HG12	1:53:A:VAL:HG13	3	0.24
(1,715)	1:53:A:VAL:HG12	1:53:A:VAL:HG11	4	0.24
(1,715)	1:53:A:VAL:HG12	1:53:A:VAL:HG11	5	0.24
(1,715)	1:53:A:VAL:HG12	1:53:A:VAL:HG11	6	0.24
(1,715)	1:53:A:VAL:HG12	1:53:A:VAL:HG13	7	0.24
(1,715)	1:53:A:VAL:HG11	1:53:A:VAL:HG13	8	0.24
(1,715)	1:53:A:VAL:HG12	1:53:A:VAL:HG11	9	0.24
(1,715)	1:53:A:VAL:HG12	1:53:A:VAL:HG13	10	0.24
(1,715)	1:53:A:VAL:HG12	1:53:A:VAL:HG11	11	0.24
(1,715)	1:53:A:VAL:HG12	1:53:A:VAL:HG11	12	0.24
(1,715)	1:53:A:VAL:HG11	1:53:A:VAL:HG13	13	0.24
(1,715)	1:53:A:VAL:HG12	1:53:A:VAL:HG13	14	0.24
(1,715)	1:53:A:VAL:HG12	1:53:A:VAL:HG13	15	0.24
(1,715)	1:53:A:VAL:HG12	1:53:A:VAL:HG11	16	0.24
(1,715)	1:53:A:VAL:HG12	1:53:A:VAL:HG13	17	0.24
(1,715)	1:53:A:VAL:HG12	1:53:A:VAL:HG11	18	0.24
(1,715)	1:53:A:VAL:HG11	1:53:A:VAL:HG13	19	0.24
(1,715)	1:53:A:VAL:HG12	1:53:A:VAL:HG11	20	0.24
(1,684)	1:44:B:THR:HG22	1:85:B:ALA:HA	20	0.24
(1,683)	1:44:A:THR:HG22	1:85:A:ALA:HA	20	0.24
(1,649)	1:49:A:LYS:HG2	1:49:A:LYS:HA	15	0.24
(1,609)	1:63:A:ALA:HB2	1:62:A:ASP:HB3	14	0.24
(1,592)	1:42:B:ALA:HB3	1:49:B:LYS:HD3	15	0.24
(1,591)	1:42:A:ALA:HB3	1:49:A:LYS:HD3	15	0.24
(1,538)	1:75:B:ILE:HD12	1:75:B:ILE:HB	6	0.24
(1,538)	1:75:B:ILE:HD11	1:75:B:ILE:HB	12	0.24
(1,537)	1:75:A:ILE:HD11	1:75:A:ILE:HB	12	0.24
(1,512)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	11	0.24
(1,454)	1:36:B:LEU:HA	1:40:B:GLU:HG2	7	0.24
(1,454)	1:36:B:LEU:HA	1:40:B:GLU:HG2	12	0.24
(1,453)	1:36:A:LEU:HA	1:40:A:GLU:HG2	7	0.24
(1,453)	1:36:A:LEU:HA	1:40:A:GLU:HG2	12	0.24
(1,442)	1:49:B:LYS:HB2	1:53:B:VAL:HB	3	0.24
(1,442)	1:49:B:LYS:HB2	1:53:B:VAL:HB	20	0.24
(1,441)	1:49:A:LYS:HB2	1:53:A:VAL:HB	20	0.24
(1,399)	1:12:A:VAL:HG23	1:86:B:HIS:HB3	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:36:B:LEU:HD13	1:36:B:LEU:HA	4	0.24
(1,388)	1:36:B:LEU:HD12	1:36:B:LEU:HA	8	0.24
(1,387)	1:36:A:LEU:HD13	1:36:A:LEU:HA	4	0.24
(1,387)	1:36:A:LEU:HD12	1:36:A:LEU:HA	8	0.24
(1,387)	1:36:A:LEU:HD13	1:36:A:LEU:HA	15	0.24
(1,386)	1:36:B:LEU:HD23	1:36:B:LEU:HA	7	0.24
(1,386)	1:36:B:LEU:HD22	1:36:B:LEU:HA	10	0.24
(1,386)	1:36:B:LEU:HD23	1:36:B:LEU:HA	16	0.24
(1,386)	1:36:B:LEU:HD21	1:36:B:LEU:HA	18	0.24
(1,385)	1:36:A:LEU:HD23	1:36:A:LEU:HA	7	0.24
(1,385)	1:36:A:LEU:HD23	1:36:A:LEU:HA	9	0.24
(1,385)	1:36:A:LEU:HD22	1:36:A:LEU:HA	10	0.24
(1,385)	1:36:A:LEU:HD23	1:36:A:LEU:HA	16	0.24
(1,385)	1:36:A:LEU:HD21	1:36:A:LEU:HA	18	0.24
(1,370)	1:91:B:LYS:HE2	1:90:B:HIS:HB3	20	0.24
(1,369)	1:91:A:LYS:HE2	1:90:A:HIS:HB3	20	0.24
(1,332)	1:46:B:LYS:HE3	1:47:B:ASN:HB2	15	0.24
(1,331)	1:46:A:LYS:HE3	1:47:A:ASN:HB2	15	0.24
(1,296)	1:83:B:LYS:HB3	1:80:B:ILE:HA	14	0.24
(1,295)	1:83:A:LYS:HB3	1:80:A:ILE:HA	14	0.24
(1,212)	1:36:B:LEU:HD12	1:33:B:LEU:HA	2	0.24
(1,212)	1:36:B:LEU:HD13	1:33:B:LEU:HA	19	0.24
(1,211)	1:36:A:LEU:HD12	1:33:A:LEU:HA	2	0.24
(1,211)	1:36:A:LEU:HD13	1:33:A:LEU:HA	19	0.24
(1,204)	1:80:B:ILE:HD12	1:76:B:SER:HA	9	0.24
(1,202)	1:36:B:LEU:HD21	1:33:B:LEU:HA	19	0.24
(1,201)	1:36:A:LEU:HD21	1:33:A:LEU:HA	19	0.24
(1,84)	1:75:B:ILE:H	1:75:B:ILE:HD12	1	0.24
(1,83)	1:75:A:ILE:H	1:75:A:ILE:HD12	1	0.24
(1,76)	1:41:B:LEU:H	1:40:B:GLU:HG2	3	0.24
(1,76)	1:41:B:LEU:H	1:40:B:GLU:HG2	11	0.24
(1,75)	1:41:A:LEU:H	1:40:A:GLU:HG2	3	0.24
(1,75)	1:41:A:LEU:H	1:40:A:GLU:HG2	11	0.24
(1,63)	1:49:A:LYS:HG2	1:50:A:ASP:H	8	0.24
(1,34)	1:8:B:LEU:H	1:8:B:LEU:HD12	1	0.24
(1,33)	1:8:A:LEU:H	1:8:A:LEU:HD12	1	0.24
(2,72)	1:32:B:GLU:HB2	1:36:B:LEU:HB2	15	0.23
(2,71)	1:32:A:GLU:HB2	1:36:A:LEU:HB2	15	0.23
(1,3826)	1:30:B:LYS:H	1:30:B:LYS:HG3	2	0.23
(1,3826)	1:30:B:LYS:H	1:30:B:LYS:HG3	10	0.23
(1,3826)	1:30:B:LYS:H	1:30:B:LYS:HG3	20	0.23
(1,3825)	1:30:A:LYS:H	1:30:A:LYS:HG3	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3825)	1:30:A:LYS:H	1:30:A:LYS:HG3	10	0.23
(1,3825)	1:30:A:LYS:H	1:30:A:LYS:HG3	20	0.23
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG22	11	0.23
(1,3774)	1:55:B:ASP:H	1:54:B:ILE:HG21	8	0.23
(1,3773)	1:55:A:ASP:H	1:54:A:ILE:HG21	8	0.23
(1,3748)	1:30:B:LYS:H	1:30:B:LYS:HD2	10	0.23
(1,3747)	1:30:A:LYS:H	1:30:A:LYS:HD2	10	0.23
(1,3728)	1:55:B:ASP:H	1:57:B:ILE:HG13	16	0.23
(1,3727)	1:55:A:ASP:H	1:57:A:ILE:HG13	16	0.23
(1,3726)	1:41:B:LEU:H	1:36:B:LEU:HG	2	0.23
(1,3725)	1:41:A:LEU:H	1:36:A:LEU:HG	2	0.23
(1,3716)	1:15:B:PHE:H	1:36:B:LEU:HG	1	0.23
(1,3715)	1:15:A:PHE:H	1:36:A:LEU:HG	1	0.23
(1,3706)	1:12:B:VAL:H	1:82:A:LEU:HG	6	0.23
(1,3705)	1:12:A:VAL:H	1:82:B:LEU:HG	6	0.23
(1,3700)	1:84:B:ALA:H	1:44:B:THR:HG22	15	0.23
(1,3699)	1:84:A:ALA:H	1:44:A:THR:HG22	15	0.23
(1,3697)	1:46:A:LYS:H	1:45:A:ILE:HG13	2	0.23
(1,3691)	1:75:A:ILE:H	1:61:A:LEU:HB3	15	0.23
(1,3680)	1:54:B:ILE:H	1:54:B:ILE:HD13	2	0.23
(1,3679)	1:54:A:ILE:H	1:54:A:ILE:HD13	2	0.23
(1,3664)	1:47:B:ASN:H	1:46:B:LYS:HG3	17	0.23
(1,3622)	1:87:B:TYR:H	1:85:B:ALA:HB2	1	0.23
(1,3622)	1:87:B:TYR:H	1:85:B:ALA:HB2	2	0.23
(1,3621)	1:87:A:TYR:H	1:85:A:ALA:HB2	1	0.23
(1,3621)	1:87:A:TYR:H	1:85:A:ALA:HB2	2	0.23
(1,3606)	1:41:B:LEU:H	1:39:B:LYS:HG2	1	0.23
(1,3606)	1:41:B:LEU:H	1:39:B:LYS:HG2	6	0.23
(1,3605)	1:41:A:LEU:H	1:39:A:LYS:HG2	6	0.23
(1,3604)	1:58:B:PHE:H	1:61:B:LEU:HB2	5	0.23
(1,3604)	1:58:B:PHE:H	1:61:B:LEU:HB2	13	0.23
(1,3604)	1:58:B:PHE:H	1:61:B:LEU:HB2	16	0.23
(1,3603)	1:58:A:PHE:H	1:61:A:LEU:HB2	5	0.23
(1,3603)	1:58:A:PHE:H	1:61:A:LEU:HB2	13	0.23
(1,3596)	1:85:B:ALA:H	1:91:B:LYS:HB2	15	0.23
(1,3588)	1:61:B:LEU:H	1:57:B:ILE:HB	4	0.23
(1,3554)	1:66:B:ASP:H	1:68:B:GLN:HG3	9	0.23
(1,3528)	1:49:B:LYS:H	1:46:B:LYS:HD2	17	0.23
(1,3527)	1:49:A:LYS:H	1:46:A:LYS:HD2	20	0.23
(1,3518)	1:10:B:GLY:H	1:9:B:GLU:HG2	2	0.23
(1,3480)	1:85:B:ALA:H	1:9:A:GLU:HG2	6	0.23
(1,3476)	1:57:B:ILE:H	1:56:B:GLU:HG2	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3475)	1:57:A:ILE:H	1:56:A:GLU:HG2	16	0.23
(1,3414)	1:59:B:GLN:H	1:54:B:ILE:HA	6	0.23
(1,3386)	1:76:B:SER:H	1:76:B:SER:HB3	4	0.23
(1,3386)	1:76:B:SER:H	1:76:B:SER:HB3	11	0.23
(1,3386)	1:76:B:SER:H	1:76:B:SER:HB3	16	0.23
(1,3386)	1:76:B:SER:H	1:76:B:SER:HB3	18	0.23
(1,3385)	1:76:A:SER:H	1:76:A:SER:HB3	7	0.23
(1,3385)	1:76:A:SER:H	1:76:A:SER:HB3	16	0.23
(1,3385)	1:76:A:SER:H	1:76:A:SER:HB3	18	0.23
(1,3350)	1:48:B:ILE:H	1:46:B:LYS:HA	6	0.23
(1,3350)	1:48:B:ILE:H	1:46:B:LYS:HA	9	0.23
(1,3349)	1:48:A:ILE:H	1:46:A:LYS:HA	6	0.23
(1,3349)	1:48:A:ILE:H	1:46:A:LYS:HA	9	0.23
(1,3310)	1:54:B:ILE:H	1:49:B:LYS:H	14	0.23
(1,3310)	1:54:B:ILE:H	1:49:B:LYS:H	19	0.23
(1,3309)	1:54:A:ILE:H	1:49:A:LYS:H	19	0.23
(1,3297)	1:75:A:ILE:H	1:72:A:GLN:H	16	0.23
(1,3274)	1:52:B:ALA:H	1:50:B:ASP:H	10	0.23
(1,3274)	1:52:B:ALA:H	1:50:B:ASP:H	15	0.23
(1,3273)	1:52:A:ALA:H	1:50:A:ASP:H	5	0.23
(1,3273)	1:52:A:ALA:H	1:50:A:ASP:H	10	0.23
(1,3264)	1:12:B:VAL:H	1:10:B:GLY:H	1	0.23
(1,3198)	1:75:B:ILE:HG23	1:75:B:ILE:HA	3	0.23
(1,3180)	1:30:B:LYS:HG2	1:55:B:ASP:HB2	6	0.23
(1,3160)	1:48:B:ILE:HG22	1:49:B:LYS:HG2	1	0.23
(1,3159)	1:48:A:ILE:HG22	1:49:A:LYS:HG2	1	0.23
(1,3144)	1:7:B:HIS:HB2	1:8:B:LEU:HD22	3	0.23
(1,3143)	1:7:A:HIS:HB2	1:8:A:LEU:HD22	3	0.23
(1,3132)	1:54:B:ILE:HG22	1:58:B:PHE:HB3	16	0.23
(1,3131)	1:54:A:ILE:HG22	1:58:A:PHE:HB3	16	0.23
(1,3122)	1:48:B:ILE:HG21	1:49:B:LYS:HA	4	0.23
(1,3122)	1:48:B:ILE:HG23	1:49:B:LYS:HA	9	0.23
(1,3122)	1:48:B:ILE:HG23	1:49:B:LYS:HA	12	0.23
(1,3121)	1:48:A:ILE:HG21	1:49:A:LYS:HA	4	0.23
(1,3121)	1:48:A:ILE:HG23	1:49:A:LYS:HA	5	0.23
(1,3121)	1:48:A:ILE:HG23	1:49:A:LYS:HA	9	0.23
(1,3104)	1:30:B:LYS:HG2	1:30:B:LYS:HD3	9	0.23
(1,3104)	1:30:B:LYS:HG2	1:30:B:LYS:HD3	17	0.23
(1,3103)	1:30:A:LYS:HG2	1:30:A:LYS:HD3	9	0.23
(1,3103)	1:30:A:LYS:HG2	1:30:A:LYS:HD3	17	0.23
(1,3075)	1:85:A:ALA:HA	1:12:B:VAL:HG22	19	0.23
(1,3072)	1:12:B:VAL:HG22	1:9:B:GLU:HA	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3071)	1:12:A:VAL:HG22	1:9:A:GLU:HA	9	0.23
(1,3056)	1:37:B:LEU:HD22	1:40:B:GLU:HB3	9	0.23
(1,3055)	1:37:A:LEU:HD22	1:40:A:GLU:HB3	9	0.23
(1,3038)	1:35:B:GLN:HB3	1:36:B:LEU:HG	5	0.23
(1,3038)	1:35:B:GLN:HB3	1:36:B:LEU:HG	18	0.23
(1,3037)	1:35:A:GLN:HB3	1:36:A:LEU:HG	5	0.23
(1,3037)	1:35:A:GLN:HB3	1:36:A:LEU:HG	18	0.23
(1,3035)	1:9:A:GLU:HG3	1:12:A:VAL:HG13	10	0.23
(1,3035)	1:53:A:VAL:HG12	1:56:A:GLU:HG3	18	0.23
(1,3004)	1:37:B:LEU:HD13	1:33:B:LEU:HD21	17	0.23
(1,2954)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	7	0.23
(1,2953)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	7	0.23
(1,2940)	1:51:B:LYS:HD2	1:54:B:ILE:HD12	11	0.23
(1,2939)	1:51:A:LYS:HD2	1:54:A:ILE:HD12	11	0.23
(1,2884)	1:30:B:LYS:HB2	1:33:B:LEU:HB3	14	0.23
(1,2883)	1:30:A:LYS:HB2	1:33:A:LEU:HB3	14	0.23
(1,2860)	1:53:B:VAL:HG12	1:46:B:LYS:HG3	14	0.23
(1,2834)	1:79:B:ALA:HB3	1:76:B:SER:HB3	12	0.23
(1,2833)	1:79:A:ALA:HB3	1:76:A:SER:HB3	12	0.23
(1,2794)	1:63:B:ALA:HB3	1:63:B:ALA:HA	3	0.23
(1,2794)	1:85:B:ALA:HB2	1:85:B:ALA:HA	6	0.23
(1,2794)	1:63:B:ALA:HB2	1:63:B:ALA:HA	7	0.23
(1,2794)	1:52:B:ALA:HB1	1:52:B:ALA:HA	14	0.23
(1,2793)	1:63:A:ALA:HB3	1:63:A:ALA:HA	3	0.23
(1,2793)	1:85:A:ALA:HB2	1:85:A:ALA:HA	6	0.23
(1,2793)	1:63:A:ALA:HB2	1:63:A:ALA:HA	7	0.23
(1,2793)	1:52:A:ALA:HB2	1:52:A:ALA:HA	11	0.23
(1,2776)	1:85:B:ALA:HB1	1:85:B:ALA:HB3	1	0.23
(1,2776)	1:85:B:ALA:HB2	1:85:B:ALA:HB3	2	0.23
(1,2776)	1:84:B:ALA:HB1	1:84:B:ALA:HB3	3	0.23
(1,2776)	1:85:B:ALA:HB1	1:85:B:ALA:HB3	4	0.23
(1,2776)	1:84:B:ALA:HB2	1:84:B:ALA:HB3	5	0.23
(1,2776)	1:84:B:ALA:HB1	1:84:B:ALA:HB3	6	0.23
(1,2776)	1:52:B:ALA:HB2	1:52:B:ALA:HB3	7	0.23
(1,2776)	1:84:B:ALA:HB1	1:84:B:ALA:HB3	8	0.23
(1,2776)	1:84:B:ALA:HB2	1:84:B:ALA:HB3	9	0.23
(1,2776)	1:84:B:ALA:HB1	1:84:B:ALA:HB3	10	0.23
(1,2776)	1:84:B:ALA:HB1	1:84:B:ALA:HB3	11	0.23
(1,2776)	1:84:B:ALA:HB1	1:84:B:ALA:HB3	12	0.23
(1,2776)	1:85:B:ALA:HB1	1:85:B:ALA:HB3	13	0.23
(1,2776)	1:84:B:ALA:HB1	1:84:B:ALA:HB3	14	0.23
(1,2776)	1:85:B:ALA:HB1	1:85:B:ALA:HB3	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2776)	1:85:B:ALA:HB1	1:85:B:ALA:HB3	16	0.23
(1,2776)	1:85:B:ALA:HB1	1:85:B:ALA:HB3	17	0.23
(1,2776)	1:85:B:ALA:HB1	1:85:B:ALA:HB3	18	0.23
(1,2776)	1:85:B:ALA:HB2	1:85:B:ALA:HB3	19	0.23
(1,2776)	1:85:B:ALA:HB2	1:85:B:ALA:HB1	20	0.23
(1,2775)	1:84:A:ALA:HB2	1:84:A:ALA:HB3	1	0.23
(1,2775)	1:85:A:ALA:HB2	1:85:A:ALA:HB3	2	0.23
(1,2775)	1:84:A:ALA:HB1	1:84:A:ALA:HB3	3	0.23
(1,2775)	1:85:A:ALA:HB1	1:85:A:ALA:HB3	4	0.23
(1,2775)	1:84:A:ALA:HB2	1:84:A:ALA:HB3	5	0.23
(1,2775)	1:85:A:ALA:HB1	1:85:A:ALA:HB3	6	0.23
(1,2775)	1:84:A:ALA:HB2	1:84:A:ALA:HB3	7	0.23
(1,2775)	1:85:A:ALA:HB1	1:85:A:ALA:HB3	8	0.23
(1,2775)	1:85:A:ALA:HB2	1:85:A:ALA:HB3	9	0.23
(1,2775)	1:84:A:ALA:HB1	1:84:A:ALA:HB3	10	0.23
(1,2775)	1:85:A:ALA:HB1	1:85:A:ALA:HB3	11	0.23
(1,2775)	1:84:A:ALA:HB1	1:84:A:ALA:HB3	12	0.23
(1,2775)	1:84:A:ALA:HB2	1:84:A:ALA:HB1	13	0.23
(1,2775)	1:84:A:ALA:HB1	1:84:A:ALA:HB3	14	0.23
(1,2775)	1:85:A:ALA:HB1	1:85:A:ALA:HB3	15	0.23
(1,2775)	1:84:A:ALA:HB2	1:84:A:ALA:HB1	16	0.23
(1,2775)	1:85:A:ALA:HB2	1:85:A:ALA:HB1	17	0.23
(1,2775)	1:85:A:ALA:HB1	1:85:A:ALA:HB3	18	0.23
(1,2775)	1:85:A:ALA:HB2	1:85:A:ALA:HB3	19	0.23
(1,2775)	1:85:A:ALA:HB2	1:85:A:ALA:HB1	20	0.23
(1,2730)	1:75:B:ILE:HD13	1:91:A:LYS:HB2	12	0.23
(1,2724)	1:84:B:ALA:HB2	1:91:B:LYS:HD3	3	0.23
(1,2723)	1:84:A:ALA:HB2	1:91:A:LYS:HD3	3	0.23
(1,2704)	1:49:B:LYS:HD2	1:49:B:LYS:HE3	8	0.23
(1,2704)	1:49:B:LYS:HD2	1:49:B:LYS:HE2	16	0.23
(1,2703)	1:49:A:LYS:HD2	1:49:A:LYS:HE2	16	0.23
(1,2703)	1:49:A:LYS:HD2	1:49:A:LYS:HE3	18	0.23
(1,2698)	1:45:B:ILE:HB	1:48:B:ILE:HA	8	0.23
(1,2697)	1:45:A:ILE:HB	1:48:A:ILE:HA	8	0.23
(1,2630)	1:81:B:ALA:HB1	1:80:B:ILE:HB	5	0.23
(1,2629)	1:81:A:ALA:HB1	1:80:A:ILE:HB	5	0.23
(1,2559)	1:39:A:LYS:HE3	1:39:A:LYS:HB3	8	0.23
(1,2557)	1:39:A:LYS:HE3	1:39:A:LYS:HB3	3	0.23
(1,2546)	1:36:B:LEU:HD21	1:33:B:LEU:HB2	19	0.23
(1,2545)	1:36:A:LEU:HD21	1:33:A:LEU:HB2	19	0.23
(1,2530)	1:53:B:VAL:HG13	1:56:B:GLU:HB2	5	0.23
(1,2508)	1:10:B:GLY:HA3	1:9:B:GLU:HB3	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2507)	1:10:A:GLY:HA3	1:9:A:GLU:HB3	14	0.23
(1,2496)	1:32:B:GLU:HG2	1:35:B:GLN:HB2	3	0.23
(1,2488)	1:72:B:GLN:HB2	1:72:B:GLN:HG3	2	0.23
(1,2488)	1:72:B:GLN:HB2	1:72:B:GLN:HG3	18	0.23
(1,2487)	1:72:A:GLN:HB2	1:72:A:GLN:HG3	2	0.23
(1,2487)	1:72:A:GLN:HB2	1:72:A:GLN:HG3	18	0.23
(1,2476)	1:33:B:LEU:HB2	1:32:B:GLU:HG2	1	0.23
(1,2472)	1:85:B:ALA:HA	1:8:A:LEU:HB3	11	0.23
(1,2393)	1:56:A:GLU:HG2	1:59:A:GLN:HG3	11	0.23
(1,2368)	1:62:B:ASP:HB2	1:68:B:GLN:HG2	10	0.23
(1,2367)	1:62:A:ASP:HB2	1:68:A:GLN:HG2	10	0.23
(1,2360)	1:30:B:LYS:HG2	1:30:B:LYS:HE2	12	0.23
(1,2360)	1:30:B:LYS:HG2	1:30:B:LYS:HE3	18	0.23
(1,2359)	1:30:A:LYS:HG2	1:30:A:LYS:HE3	18	0.23
(1,2332)	1:83:B:LYS:HE3	1:86:B:HIS:HB3	18	0.23
(1,2331)	1:83:A:LYS:HE3	1:86:A:HIS:HB3	18	0.23
(1,2316)	1:32:B:GLU:HG2	1:35:B:GLN:HB2	3	0.23
(1,2314)	1:54:B:ILE:HB	1:55:B:ASP:HB2	2	0.23
(1,2314)	1:54:B:ILE:HB	1:55:B:ASP:HB2	4	0.23
(1,2313)	1:54:A:ILE:HB	1:55:A:ASP:HB2	2	0.23
(1,2313)	1:54:A:ILE:HB	1:55:A:ASP:HB2	4	0.23
(1,2302)	1:51:B:LYS:HE2	1:55:B:ASP:HB2	5	0.23
(1,2300)	1:53:B:VAL:HA	1:50:B:ASP:HB3	12	0.23
(1,2299)	1:53:A:VAL:HA	1:50:A:ASP:HB3	12	0.23
(1,2290)	1:30:B:LYS:HE2	1:55:B:ASP:HB3	17	0.23
(1,2264)	1:88:B:HIS:HB3	1:86:B:HIS:HB2	18	0.23
(1,2263)	1:88:A:HIS:HB3	1:86:A:HIS:HB2	18	0.23
(1,2262)	1:72:B:GLN:HG3	1:83:A:LYS:HE3	17	0.23
(1,2262)	1:72:B:GLN:HG3	1:83:A:LYS:HE3	20	0.23
(1,2261)	1:72:A:GLN:HG3	1:83:B:LYS:HE3	20	0.23
(1,2258)	1:80:B:ILE:HD12	1:91:B:LYS:HE2	5	0.23
(1,2257)	1:80:A:ILE:HD12	1:91:A:LYS:HE2	5	0.23
(1,2256)	1:52:B:ALA:HB2	1:50:B:ASP:HB2	9	0.23
(1,2255)	1:52:A:ALA:HB3	1:50:A:ASP:HB2	6	0.23
(1,2233)	1:89:A:THR:HG22	1:83:A:LYS:HE2	12	0.23
(1,2202)	1:8:B:LEU:HD13	1:78:A:VAL:HA	17	0.23
(1,2201)	1:8:A:LEU:HD13	1:78:B:VAL:HA	17	0.23
(1,2186)	1:46:B:LYS:HA	1:47:B:ASN:HB2	5	0.23
(1,2185)	1:46:A:LYS:HA	1:47:A:ASN:HB2	5	0.23
(1,2170)	1:86:B:HIS:HA	1:88:B:HIS:HB3	15	0.23
(1,2170)	1:86:B:HIS:HA	1:88:B:HIS:HB3	19	0.23
(1,2169)	1:86:A:HIS:HA	1:88:A:HIS:HB3	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2150)	1:67:B:GLU:HA	1:30:B:LYS:HA	3	0.23
(1,2150)	1:67:B:GLU:HA	1:30:B:LYS:HA	8	0.23
(1,2149)	1:67:A:GLU:HA	1:30:A:LYS:HA	1	0.23
(1,2149)	1:67:A:GLU:HA	1:30:A:LYS:HA	3	0.23
(1,2149)	1:67:A:GLU:HA	1:30:A:LYS:HA	8	0.23
(1,2149)	1:67:A:GLU:HA	1:30:A:LYS:HA	9	0.23
(1,2136)	1:45:B:ILE:HG13	1:37:B:LEU:HA	18	0.23
(1,2135)	1:45:A:ILE:HG13	1:37:A:LEU:HA	18	0.23
(1,2032)	1:12:B:VAL:HG22	1:86:A:HIS:HA	8	0.23
(1,1980)	1:75:B:ILE:HB	1:73:B:GLU:HA	4	0.23
(1,1980)	1:75:B:ILE:HB	1:73:B:GLU:HA	19	0.23
(1,1979)	1:75:A:ILE:HB	1:73:A:GLU:HA	4	0.23
(1,1979)	1:75:A:ILE:HB	1:73:A:GLU:HA	19	0.23
(1,1892)	1:46:B:LYS:HG2	1:90:B:HIS:HA	16	0.23
(1,1891)	1:46:A:LYS:HG2	1:90:A:HIS:HA	16	0.23
(1,1850)	1:54:B:ILE:H	1:53:B:VAL:HG11	17	0.23
(1,1849)	1:54:A:ILE:H	1:53:A:VAL:HG11	17	0.23
(1,1812)	1:44:B:THR:H	1:46:B:LYS:HA	7	0.23
(1,1812)	1:44:B:THR:H	1:46:B:LYS:HA	19	0.23
(1,1811)	1:44:A:THR:H	1:46:A:LYS:HA	7	0.23
(1,1811)	1:44:A:THR:H	1:46:A:LYS:HA	19	0.23
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD23	15	0.23
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD23	15	0.23
(1,1752)	1:75:B:ILE:HG21	1:79:A:ALA:H	10	0.23
(1,1688)	1:12:B:VAL:HG22	1:82:A:LEU:HA	1	0.23
(1,1687)	1:12:A:VAL:HG22	1:82:B:LEU:HA	1	0.23
(1,1578)	1:56:B:GLU:H	1:52:B:ALA:HB1	19	0.23
(1,1577)	1:56:A:GLU:H	1:52:A:ALA:HB1	19	0.23
(1,1472)	1:63:B:ALA:H	1:73:B:GLU:HB3	7	0.23
(1,1471)	1:63:A:ALA:H	1:73:A:GLU:HB3	7	0.23
(1,1439)	1:73:A:GLU:H	1:72:A:GLN:HG2	15	0.23
(1,1358)	1:89:B:THR:H	1:87:B:TYR:HB3	7	0.23
(1,1358)	1:89:B:THR:H	1:87:B:TYR:HB3	9	0.23
(1,1358)	1:89:B:THR:H	1:87:B:TYR:HB3	11	0.23
(1,1357)	1:89:A:THR:H	1:87:A:TYR:HB3	7	0.23
(1,1357)	1:89:A:THR:H	1:87:A:TYR:HB3	9	0.23
(1,1357)	1:89:A:THR:H	1:87:A:TYR:HB3	11	0.23
(1,918)	1:91:B:LYS:H	1:90:B:HIS:H	11	0.23
(1,917)	1:91:A:LYS:H	1:90:A:HIS:H	11	0.23
(1,730)	1:53:B:VAL:HG22	1:53:B:VAL:HG13	3	0.23
(1,730)	1:53:B:VAL:HG22	1:53:B:VAL:HG12	12	0.23
(1,729)	1:53:A:VAL:HG22	1:53:A:VAL:HG12	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:49:B:LYS:HG2	1:49:B:LYS:HA	15	0.23
(1,617)	1:42:A:ALA:HB1	1:43:A:ASN:HB3	8	0.23
(1,610)	1:63:B:ALA:HB2	1:62:B:ASP:HB3	14	0.23
(1,538)	1:75:B:ILE:HD13	1:75:B:ILE:HB	4	0.23
(1,538)	1:75:B:ILE:HD11	1:75:B:ILE:HB	11	0.23
(1,538)	1:75:B:ILE:HD12	1:75:B:ILE:HB	15	0.23
(1,538)	1:75:B:ILE:HD11	1:75:B:ILE:HB	19	0.23
(1,537)	1:75:A:ILE:HD13	1:75:A:ILE:HB	4	0.23
(1,537)	1:75:A:ILE:HD11	1:75:A:ILE:HB	11	0.23
(1,537)	1:75:A:ILE:HD11	1:75:A:ILE:HB	13	0.23
(1,537)	1:75:A:ILE:HD12	1:75:A:ILE:HB	15	0.23
(1,537)	1:75:A:ILE:HD13	1:75:A:ILE:HB	18	0.23
(1,537)	1:75:A:ILE:HD11	1:75:A:ILE:HB	19	0.23
(1,442)	1:49:B:LYS:HB2	1:53:B:VAL:HB	5	0.23
(1,442)	1:49:B:LYS:HB2	1:53:B:VAL:HB	11	0.23
(1,441)	1:49:A:LYS:HB2	1:53:A:VAL:HB	5	0.23
(1,441)	1:49:A:LYS:HB2	1:53:A:VAL:HB	11	0.23
(1,436)	1:72:B:GLN:HG2	1:72:B:GLN:HG3	1	0.23
(1,436)	1:72:B:GLN:HG2	1:72:B:GLN:HG3	2	0.23
(1,436)	1:72:B:GLN:HG2	1:72:B:GLN:HG3	3	0.23
(1,436)	1:72:B:GLN:HG2	1:72:B:GLN:HG3	4	0.23
(1,436)	1:72:B:GLN:HG2	1:72:B:GLN:HG3	5	0.23
(1,436)	1:72:B:GLN:HG2	1:72:B:GLN:HG3	6	0.23
(1,436)	1:72:B:GLN:HG2	1:72:B:GLN:HG3	7	0.23
(1,436)	1:72:B:GLN:HG2	1:72:B:GLN:HG3	8	0.23
(1,436)	1:72:B:GLN:HG2	1:72:B:GLN:HG3	9	0.23
(1,436)	1:72:B:GLN:HG2	1:72:B:GLN:HG3	10	0.23
(1,436)	1:72:B:GLN:HG2	1:72:B:GLN:HG3	11	0.23
(1,436)	1:72:B:GLN:HG2	1:72:B:GLN:HG3	12	0.23
(1,436)	1:72:B:GLN:HG2	1:72:B:GLN:HG3	14	0.23
(1,436)	1:72:B:GLN:HG2	1:72:B:GLN:HG3	15	0.23
(1,436)	1:72:B:GLN:HG2	1:72:B:GLN:HG3	16	0.23
(1,436)	1:72:B:GLN:HG2	1:72:B:GLN:HG3	17	0.23
(1,436)	1:72:B:GLN:HG2	1:72:B:GLN:HG3	18	0.23
(1,436)	1:72:B:GLN:HG2	1:72:B:GLN:HG3	19	0.23
(1,436)	1:72:B:GLN:HG2	1:72:B:GLN:HG3	20	0.23
(1,435)	1:72:A:GLN:HG2	1:72:A:GLN:HG3	1	0.23
(1,435)	1:72:A:GLN:HG2	1:72:A:GLN:HG3	2	0.23
(1,435)	1:72:A:GLN:HG2	1:72:A:GLN:HG3	3	0.23
(1,435)	1:72:A:GLN:HG2	1:72:A:GLN:HG3	4	0.23
(1,435)	1:72:A:GLN:HG2	1:72:A:GLN:HG3	5	0.23
(1,435)	1:72:A:GLN:HG2	1:72:A:GLN:HG3	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,435)	1:72:A:GLN:HG2	1:72:A:GLN:HG3	7	0.23
(1,435)	1:72:A:GLN:HG2	1:72:A:GLN:HG3	8	0.23
(1,435)	1:72:A:GLN:HG2	1:72:A:GLN:HG3	9	0.23
(1,435)	1:72:A:GLN:HG2	1:72:A:GLN:HG3	10	0.23
(1,435)	1:72:A:GLN:HG2	1:72:A:GLN:HG3	11	0.23
(1,435)	1:72:A:GLN:HG2	1:72:A:GLN:HG3	12	0.23
(1,435)	1:72:A:GLN:HG2	1:72:A:GLN:HG3	14	0.23
(1,435)	1:72:A:GLN:HG2	1:72:A:GLN:HG3	15	0.23
(1,435)	1:72:A:GLN:HG2	1:72:A:GLN:HG3	16	0.23
(1,435)	1:72:A:GLN:HG2	1:72:A:GLN:HG3	17	0.23
(1,435)	1:72:A:GLN:HG2	1:72:A:GLN:HG3	18	0.23
(1,435)	1:72:A:GLN:HG2	1:72:A:GLN:HG3	19	0.23
(1,435)	1:72:A:GLN:HG2	1:72:A:GLN:HG3	20	0.23
(1,420)	1:53:B:VAL:HB	1:50:B:ASP:HB2	11	0.23
(1,420)	1:53:B:VAL:HB	1:50:B:ASP:HB2	16	0.23
(1,419)	1:53:A:VAL:HB	1:50:A:ASP:HB2	16	0.23
(1,400)	1:12:B:VAL:HG21	1:86:A:HIS:HB3	5	0.23
(1,400)	1:12:B:VAL:HG23	1:86:A:HIS:HB3	10	0.23
(1,399)	1:12:A:VAL:HG21	1:86:B:HIS:HB3	5	0.23
(1,388)	1:36:B:LEU:HD13	1:36:B:LEU:HA	9	0.23
(1,388)	1:36:B:LEU:HD13	1:36:B:LEU:HA	15	0.23
(1,387)	1:36:A:LEU:HD13	1:36:A:LEU:HA	9	0.23
(1,386)	1:36:B:LEU:HD23	1:36:B:LEU:HA	9	0.23
(1,352)	1:30:B:LYS:HE3	1:51:B:LYS:HE2	13	0.23
(1,351)	1:30:A:LYS:HE3	1:51:A:LYS:HE2	13	0.23
(1,332)	1:46:B:LYS:HE3	1:47:B:ASN:HB2	20	0.23
(1,331)	1:46:A:LYS:HE3	1:47:A:ASN:HB2	20	0.23
(1,254)	1:49:B:LYS:HE2	1:38:B:THR:HB	1	0.23
(1,253)	1:49:A:LYS:HE2	1:38:A:THR:HB	1	0.23
(1,214)	1:37:B:LEU:HD11	1:33:B:LEU:HA	1	0.23
(1,214)	1:37:B:LEU:HD12	1:33:B:LEU:HA	2	0.23
(1,214)	1:37:B:LEU:HD12	1:33:B:LEU:HA	10	0.23
(1,213)	1:37:A:LEU:HD11	1:33:A:LEU:HA	1	0.23
(1,213)	1:37:A:LEU:HD12	1:33:A:LEU:HA	2	0.23
(1,213)	1:37:A:LEU:HD12	1:33:A:LEU:HA	10	0.23
(1,212)	1:36:B:LEU:HD13	1:33:B:LEU:HA	10	0.23
(1,211)	1:36:A:LEU:HD13	1:33:A:LEU:HA	10	0.23
(1,202)	1:36:B:LEU:HD22	1:33:B:LEU:HA	12	0.23
(1,202)	1:36:B:LEU:HD21	1:33:B:LEU:HA	14	0.23
(1,202)	1:36:B:LEU:HD21	1:33:B:LEU:HA	15	0.23
(1,201)	1:36:A:LEU:HD21	1:33:A:LEU:HA	14	0.23
(1,201)	1:36:A:LEU:HD21	1:33:A:LEU:HA	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,192)	1:39:B:LYS:HD2	1:35:B:GLN:HA	6	0.23
(1,191)	1:39:A:LYS:HD2	1:35:A:GLN:HA	6	0.23
(1,76)	1:41:B:LEU:H	1:40:B:GLU:HG2	16	0.23
(1,76)	1:41:B:LEU:H	1:40:B:GLU:HG2	17	0.23
(1,75)	1:41:A:LEU:H	1:40:A:GLU:HG2	16	0.23
(1,75)	1:41:A:LEU:H	1:40:A:GLU:HG2	17	0.23
(1,64)	1:49:B:LYS:HG2	1:50:B:ASP:H	8	0.23
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG21	18	0.22
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG22	11	0.22
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG23	17	0.22
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG22	19	0.22
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG23	17	0.22
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG22	19	0.22
(1,3776)	1:37:B:LEU:H	1:37:B:LEU:HD22	4	0.22
(1,3775)	1:37:A:LEU:H	1:37:A:LEU:HD21	3	0.22
(1,3775)	1:37:A:LEU:H	1:37:A:LEU:HD22	4	0.22
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG13	1	0.22
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG13	1	0.22
(1,3698)	1:46:B:LYS:H	1:45:B:ILE:HG13	18	0.22
(1,3697)	1:46:A:LYS:H	1:45:A:ILE:HG13	9	0.22
(1,3697)	1:46:A:LYS:H	1:45:A:ILE:HG13	18	0.22
(1,3694)	1:75:B:ILE:H	1:83:A:LYS:HG2	3	0.22
(1,3693)	1:75:A:ILE:H	1:83:B:LYS:HG2	3	0.22
(1,3692)	1:75:B:ILE:H	1:61:B:LEU:HB3	12	0.22
(1,3691)	1:75:A:ILE:H	1:61:A:LEU:HB3	12	0.22
(1,3683)	1:43:A:ASN:H	1:45:A:ILE:HG13	11	0.22
(1,3680)	1:54:B:ILE:H	1:54:B:ILE:HD13	14	0.22
(1,3679)	1:54:A:ILE:H	1:54:A:ILE:HD13	14	0.22
(1,3663)	1:47:A:ASN:H	1:46:A:LYS:HG3	17	0.22
(1,3605)	1:41:A:LEU:H	1:39:A:LYS:HG2	1	0.22
(1,3595)	1:85:A:ALA:H	1:91:A:LYS:HB2	15	0.22
(1,3553)	1:66:A:ASP:H	1:68:A:GLN:HG3	9	0.22
(1,3528)	1:49:B:LYS:H	1:46:B:LYS:HD2	16	0.22
(1,3528)	1:49:B:LYS:H	1:46:B:LYS:HD2	20	0.22
(1,3527)	1:49:A:LYS:H	1:46:A:LYS:HD2	16	0.22
(1,3518)	1:10:B:GLY:H	1:9:B:GLU:HG2	11	0.22
(1,3517)	1:10:A:GLY:H	1:9:A:GLU:HG2	2	0.22
(1,3517)	1:10:A:GLY:H	1:9:A:GLU:HG2	11	0.22
(1,3474)	1:55:B:ASP:H	1:53:B:VAL:HB	17	0.22
(1,3473)	1:55:A:ASP:H	1:53:A:VAL:HB	4	0.22
(1,3473)	1:55:A:ASP:H	1:53:A:VAL:HB	17	0.22
(1,3460)	1:57:B:ILE:H	1:55:B:ASP:HB3	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3452)	1:72:B:GLN:H	1:83:A:LYS:HE3	8	0.22
(1,3451)	1:72:A:GLN:H	1:83:B:LYS:HE3	8	0.22
(1,3414)	1:59:B:GLN:H	1:54:B:ILE:HA	2	0.22
(1,3413)	1:59:A:GLN:H	1:54:A:ILE:HA	2	0.22
(1,3386)	1:76:B:SER:H	1:76:B:SER:HB3	7	0.22
(1,3385)	1:76:A:SER:H	1:76:A:SER:HB3	11	0.22
(1,3350)	1:48:B:ILE:H	1:46:B:LYS:HA	4	0.22
(1,3350)	1:48:B:ILE:H	1:46:B:LYS:HA	17	0.22
(1,3349)	1:48:A:ILE:H	1:46:A:LYS:HA	4	0.22
(1,3349)	1:48:A:ILE:H	1:46:A:LYS:HA	17	0.22
(1,3334)	1:69:B:VAL:H	1:29:B:SER:HB3	17	0.22
(1,3333)	1:69:A:VAL:H	1:29:A:SER:HB3	17	0.22
(1,3298)	1:75:B:ILE:H	1:72:B:GLN:H	12	0.22
(1,3298)	1:75:B:ILE:H	1:72:B:GLN:H	16	0.22
(1,3286)	1:76:B:SER:H	1:72:B:GLN:H	3	0.22
(1,3286)	1:76:B:SER:H	1:72:B:GLN:H	15	0.22
(1,3285)	1:76:A:SER:H	1:72:A:GLN:H	3	0.22
(1,3274)	1:52:B:ALA:H	1:50:B:ASP:H	5	0.22
(1,3274)	1:52:B:ALA:H	1:50:B:ASP:H	12	0.22
(1,3274)	1:52:B:ALA:H	1:50:B:ASP:H	17	0.22
(1,3273)	1:52:A:ALA:H	1:50:A:ASP:H	12	0.22
(1,3273)	1:52:A:ALA:H	1:50:A:ASP:H	15	0.22
(1,3273)	1:52:A:ALA:H	1:50:A:ASP:H	17	0.22
(1,3264)	1:12:B:VAL:H	1:10:B:GLY:H	13	0.22
(1,3263)	1:12:A:VAL:H	1:10:A:GLY:H	1	0.22
(1,3197)	1:75:A:ILE:HG23	1:75:A:ILE:HA	3	0.22
(1,3132)	1:54:B:ILE:HG23	1:58:B:PHE:HB3	1	0.22
(1,3132)	1:54:B:ILE:HG22	1:58:B:PHE:HB3	6	0.22
(1,3131)	1:54:A:ILE:HG23	1:58:A:PHE:HB3	1	0.22
(1,3131)	1:54:A:ILE:HG22	1:58:A:PHE:HB3	6	0.22
(1,3122)	1:48:B:ILE:HG21	1:49:B:LYS:HA	13	0.22
(1,3121)	1:48:A:ILE:HG21	1:49:A:LYS:HA	13	0.22
(1,3102)	1:37:B:LEU:HD11	1:37:B:LEU:HD13	1	0.22
(1,3102)	1:37:B:LEU:HD11	1:37:B:LEU:HD13	2	0.22
(1,3102)	1:37:B:LEU:HD11	1:37:B:LEU:HD13	3	0.22
(1,3102)	1:37:B:LEU:HD12	1:37:B:LEU:HD13	4	0.22
(1,3102)	1:37:B:LEU:HD12	1:37:B:LEU:HD13	5	0.22
(1,3102)	1:37:B:LEU:HD11	1:37:B:LEU:HD13	6	0.22
(1,3102)	1:37:B:LEU:HD11	1:37:B:LEU:HD13	7	0.22
(1,3102)	1:37:B:LEU:HD11	1:37:B:LEU:HD13	9	0.22
(1,3102)	1:37:B:LEU:HD11	1:37:B:LEU:HD13	12	0.22
(1,3102)	1:37:B:LEU:HD11	1:37:B:LEU:HD13	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3102)	1:37:B:LEU:HD11	1:37:B:LEU:HD13	14	0.22
(1,3102)	1:37:B:LEU:HD11	1:37:B:LEU:HD13	15	0.22
(1,3102)	1:37:B:LEU:HD11	1:37:B:LEU:HD13	16	0.22
(1,3102)	1:37:B:LEU:HD12	1:37:B:LEU:HD13	18	0.22
(1,3102)	1:37:B:LEU:HD11	1:37:B:LEU:HD13	19	0.22
(1,3102)	1:37:B:LEU:HD12	1:37:B:LEU:HD13	20	0.22
(1,3101)	1:37:A:LEU:HD12	1:37:A:LEU:HD13	1	0.22
(1,3101)	1:37:A:LEU:HD11	1:37:A:LEU:HD13	2	0.22
(1,3101)	1:37:A:LEU:HD11	1:37:A:LEU:HD13	3	0.22
(1,3101)	1:37:A:LEU:HD11	1:37:A:LEU:HD13	4	0.22
(1,3101)	1:37:A:LEU:HD11	1:37:A:LEU:HD13	5	0.22
(1,3101)	1:37:A:LEU:HD11	1:37:A:LEU:HD13	7	0.22
(1,3101)	1:37:A:LEU:HD11	1:37:A:LEU:HD13	9	0.22
(1,3101)	1:37:A:LEU:HD12	1:37:A:LEU:HD13	11	0.22
(1,3101)	1:37:A:LEU:HD11	1:37:A:LEU:HD13	12	0.22
(1,3101)	1:37:A:LEU:HD12	1:37:A:LEU:HD13	13	0.22
(1,3101)	1:37:A:LEU:HD11	1:37:A:LEU:HD13	14	0.22
(1,3101)	1:37:A:LEU:HD11	1:37:A:LEU:HD13	15	0.22
(1,3101)	1:37:A:LEU:HD11	1:37:A:LEU:HD13	16	0.22
(1,3101)	1:37:A:LEU:HD12	1:37:A:LEU:HD13	17	0.22
(1,3101)	1:37:A:LEU:HD12	1:37:A:LEU:HD13	18	0.22
(1,3101)	1:37:A:LEU:HD12	1:37:A:LEU:HD11	20	0.22
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG21	15	0.22
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG21	15	0.22
(1,3076)	1:85:B:ALA:HA	1:12:A:VAL:HG22	19	0.22
(1,3045)	1:37:A:LEU:HD12	1:38:A:THR:HA	7	0.22
(1,3003)	1:37:A:LEU:HD13	1:33:A:LEU:HD21	17	0.22
(1,2984)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	13	0.22
(1,2983)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	13	0.22
(1,2936)	1:58:B:PHE:HB2	1:54:B:ILE:HD13	3	0.22
(1,2935)	1:58:A:PHE:HB2	1:54:A:ILE:HD13	3	0.22
(1,2914)	1:45:B:ILE:HG13	1:42:B:ALA:HA	7	0.22
(1,2914)	1:45:B:ILE:HG13	1:42:B:ALA:HA	12	0.22
(1,2913)	1:45:A:ILE:HG13	1:42:A:ALA:HA	7	0.22
(1,2913)	1:45:A:ILE:HG13	1:42:A:ALA:HA	12	0.22
(1,2860)	1:53:B:VAL:HG12	1:46:B:LYS:HG3	1	0.22
(1,2859)	1:53:A:VAL:HG12	1:46:A:LYS:HG3	1	0.22
(1,2859)	1:53:A:VAL:HG12	1:46:A:LYS:HG3	14	0.22
(1,2834)	1:79:B:ALA:HB3	1:76:B:SER:HB3	6	0.22
(1,2794)	1:85:B:ALA:HB3	1:85:B:ALA:HA	2	0.22
(1,2794)	1:52:B:ALA:HB2	1:52:B:ALA:HA	8	0.22
(1,2794)	1:85:B:ALA:HB2	1:85:B:ALA:HA	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2794)	1:85:B:ALA:HB2	1:85:B:ALA:HA	15	0.22
(1,2793)	1:85:A:ALA:HB3	1:85:A:ALA:HA	2	0.22
(1,2793)	1:52:A:ALA:HB2	1:52:A:ALA:HA	8	0.22
(1,2793)	1:85:A:ALA:HB2	1:85:A:ALA:HA	13	0.22
(1,2793)	1:85:A:ALA:HB2	1:85:A:ALA:HA	15	0.22
(1,2730)	1:75:B:ILE:HD13	1:91:A:LYS:HD3	8	0.22
(1,2704)	1:51:B:LYS:HE2	1:51:B:LYS:HD2	14	0.22
(1,2704)	1:91:B:LYS:HD3	1:91:B:LYS:HE3	15	0.22
(1,2704)	1:49:B:LYS:HD2	1:49:B:LYS:HE3	18	0.22
(1,2704)	1:51:B:LYS:HE3	1:51:B:LYS:HD3	19	0.22
(1,2703)	1:49:A:LYS:HD2	1:49:A:LYS:HE3	8	0.22
(1,2703)	1:51:A:LYS:HE2	1:51:A:LYS:HD2	14	0.22
(1,2703)	1:91:A:LYS:HD3	1:91:A:LYS:HE3	15	0.22
(1,2703)	1:51:A:LYS:HE2	1:51:A:LYS:HD2	19	0.22
(1,2680)	1:49:B:LYS:HB2	1:47:B:ASN:HB3	13	0.22
(1,2679)	1:49:A:LYS:HB2	1:47:A:ASN:HB3	13	0.22
(1,2664)	1:8:B:LEU:HD13	1:41:A:LEU:HB3	13	0.22
(1,2630)	1:81:B:ALA:HB3	1:41:B:LEU:HB3	7	0.22
(1,2629)	1:81:A:ALA:HB3	1:41:A:LEU:HB3	7	0.22
(1,2548)	1:82:B:LEU:HG	1:78:B:VAL:HB	14	0.22
(1,2547)	1:82:A:LEU:HG	1:78:A:VAL:HB	14	0.22
(1,2514)	1:47:B:ASN:HB3	1:46:B:LYS:HD2	1	0.22
(1,2514)	1:47:B:ASN:HB3	1:46:B:LYS:HD2	3	0.22
(1,2513)	1:47:A:ASN:HB3	1:46:A:LYS:HD2	1	0.22
(1,2513)	1:47:A:ASN:HB3	1:46:A:LYS:HD2	3	0.22
(1,2495)	1:32:A:GLU:HG2	1:35:A:GLN:HB2	3	0.22
(1,2474)	1:9:B:GLU:HG2	1:10:B:GLY:HA2	10	0.22
(1,2473)	1:9:A:GLU:HG2	1:10:A:GLY:HA2	10	0.22
(1,2466)	1:6:B:GLU:HB2	1:6:B:GLU:HA	12	0.22
(1,2465)	1:6:A:GLU:HB2	1:6:A:GLU:HA	12	0.22
(1,2410)	1:85:B:ALA:HB3	1:12:A:VAL:HB	7	0.22
(1,2394)	1:56:B:GLU:HG2	1:59:B:GLN:HG3	11	0.22
(1,2388)	1:12:B:VAL:HB	1:13:B:ASN:HB2	16	0.22
(1,2380)	1:39:B:LYS:HE3	1:35:B:GLN:HB3	4	0.22
(1,2380)	1:39:B:LYS:HE2	1:35:B:GLN:HG2	7	0.22
(1,2379)	1:39:A:LYS:HE3	1:35:A:GLN:HB3	4	0.22
(1,2379)	1:39:A:LYS:HE2	1:35:A:GLN:HG2	7	0.22
(1,2359)	1:30:A:LYS:HG2	1:30:A:LYS:HE2	12	0.22
(1,2315)	1:32:A:GLU:HG2	1:35:A:GLN:HB2	3	0.22
(1,2313)	1:54:A:ILE:HB	1:55:A:ASP:HB2	9	0.22
(1,2301)	1:51:A:LYS:HE2	1:55:A:ASP:HB2	5	0.22
(1,2296)	1:59:B:GLN:HG3	1:55:B:ASP:HB3	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2289)	1:30:A:LYS:HE2	1:55:A:ASP:HB3	17	0.22
(1,2266)	1:53:B:VAL:HG12	1:50:B:ASP:HB2	5	0.22
(1,2266)	1:53:B:VAL:HG12	1:50:B:ASP:HB2	9	0.22
(1,2265)	1:53:A:VAL:HG12	1:50:A:ASP:HB2	5	0.22
(1,2265)	1:53:A:VAL:HG12	1:50:A:ASP:HB2	9	0.22
(1,2262)	1:72:B:GLN:HG3	1:83:A:LYS:HE2	11	0.22
(1,2260)	1:72:B:GLN:HA	1:75:B:ILE:HA	13	0.22
(1,2259)	1:72:A:GLN:HA	1:75:A:ILE:HA	13	0.22
(1,2256)	1:52:B:ALA:HB3	1:50:B:ASP:HB2	6	0.22
(1,2255)	1:52:A:ALA:HB2	1:50:A:ASP:HB2	9	0.22
(1,2246)	1:46:B:LYS:HB2	1:46:B:LYS:HE3	17	0.22
(1,2245)	1:46:A:LYS:HB2	1:46:A:LYS:HE3	17	0.22
(1,2238)	1:46:B:LYS:HE2	1:53:B:VAL:HA	8	0.22
(1,2237)	1:46:A:LYS:HE2	1:53:A:VAL:HA	8	0.22
(1,2234)	1:89:B:THR:HG22	1:83:B:LYS:HE2	12	0.22
(1,2222)	1:30:B:LYS:HB3	1:51:B:LYS:HE3	10	0.22
(1,2221)	1:30:A:LYS:HB3	1:51:A:LYS:HE3	10	0.22
(1,2178)	1:54:B:ILE:HG12	1:58:B:PHE:HB2	12	0.22
(1,2177)	1:54:A:ILE:HG12	1:58:A:PHE:HB2	12	0.22
(1,2177)	1:54:A:ILE:HG12	1:58:A:PHE:HB2	18	0.22
(1,2170)	1:86:B:HIS:HA	1:88:B:HIS:HB3	17	0.22
(1,2169)	1:86:A:HIS:HA	1:88:A:HIS:HB3	17	0.22
(1,2169)	1:86:A:HIS:HA	1:88:A:HIS:HB3	19	0.22
(1,2150)	1:67:B:GLU:HA	1:30:B:LYS:HA	1	0.22
(1,2150)	1:67:B:GLU:HA	1:30:B:LYS:HA	9	0.22
(1,2149)	1:67:A:GLU:HA	1:30:A:LYS:HA	7	0.22
(1,2076)	1:79:B:ALA:HA	1:79:A:ALA:HA	4	0.22
(1,2075)	1:79:A:ALA:HA	1:79:B:ALA:HA	4	0.22
(1,2074)	1:79:B:ALA:HA	1:79:A:ALA:HA	4	0.22
(1,2073)	1:79:A:ALA:HA	1:79:B:ALA:HA	4	0.22
(1,2031)	1:12:A:VAL:HG22	1:86:B:HIS:HA	8	0.22
(1,1980)	1:75:B:ILE:HB	1:73:B:GLU:HA	14	0.22
(1,1979)	1:75:A:ILE:HB	1:73:A:GLU:HA	14	0.22
(1,1852)	1:75:B:ILE:H	1:75:B:ILE:HG21	15	0.22
(1,1851)	1:75:A:ILE:H	1:75:A:ILE:HG21	4	0.22
(1,1850)	1:54:B:ILE:H	1:53:B:VAL:HG13	13	0.22
(1,1850)	1:54:B:ILE:H	1:53:B:VAL:HG13	16	0.22
(1,1849)	1:54:A:ILE:H	1:53:A:VAL:HG13	13	0.22
(1,1849)	1:54:A:ILE:H	1:53:A:VAL:HG13	16	0.22
(1,1823)	1:11:A:ILE:H	1:6:A:GLU:HA	7	0.22
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD21	2	0.22
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD21	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1752)	1:75:B:ILE:HG23	1:79:A:ALA:H	4	0.22
(1,1752)	1:75:B:ILE:HG21	1:79:A:ALA:H	5	0.22
(1,1751)	1:75:A:ILE:HG23	1:79:B:ALA:H	4	0.22
(1,1751)	1:75:A:ILE:HG21	1:79:B:ALA:H	5	0.22
(1,1738)	1:75:B:ILE:HG22	1:82:A:LEU:HD11	18	0.22
(1,1732)	1:45:B:ILE:HB	1:8:A:LEU:HD12	20	0.22
(1,1639)	1:85:A:ALA:H	1:12:B:VAL:HG12	8	0.22
(1,1440)	1:73:B:GLU:H	1:72:B:GLN:HG2	15	0.22
(1,754)	1:37:B:LEU:HD21	1:37:B:LEU:HD23	1	0.22
(1,754)	1:37:B:LEU:HD22	1:37:B:LEU:HD23	2	0.22
(1,754)	1:37:B:LEU:HD21	1:37:B:LEU:HD23	3	0.22
(1,754)	1:37:B:LEU:HD21	1:37:B:LEU:HD23	4	0.22
(1,754)	1:37:B:LEU:HD21	1:37:B:LEU:HD23	5	0.22
(1,754)	1:37:B:LEU:HD21	1:37:B:LEU:HD23	6	0.22
(1,754)	1:37:B:LEU:HD22	1:37:B:LEU:HD21	7	0.22
(1,754)	1:37:B:LEU:HD21	1:37:B:LEU:HD23	8	0.22
(1,754)	1:37:B:LEU:HD21	1:37:B:LEU:HD23	9	0.22
(1,754)	1:37:B:LEU:HD21	1:37:B:LEU:HD23	10	0.22
(1,754)	1:37:B:LEU:HD22	1:37:B:LEU:HD21	11	0.22
(1,754)	1:37:B:LEU:HD22	1:37:B:LEU:HD23	12	0.22
(1,754)	1:37:B:LEU:HD21	1:37:B:LEU:HD23	13	0.22
(1,754)	1:37:B:LEU:HD21	1:37:B:LEU:HD23	14	0.22
(1,754)	1:37:B:LEU:HD21	1:37:B:LEU:HD23	15	0.22
(1,754)	1:37:B:LEU:HD22	1:37:B:LEU:HD23	16	0.22
(1,754)	1:37:B:LEU:HD21	1:37:B:LEU:HD23	17	0.22
(1,754)	1:37:B:LEU:HD22	1:37:B:LEU:HD21	18	0.22
(1,754)	1:37:B:LEU:HD21	1:37:B:LEU:HD23	19	0.22
(1,754)	1:37:B:LEU:HD22	1:37:B:LEU:HD23	20	0.22
(1,753)	1:37:A:LEU:HD21	1:37:A:LEU:HD23	1	0.22
(1,753)	1:37:A:LEU:HD22	1:37:A:LEU:HD23	2	0.22
(1,753)	1:37:A:LEU:HD21	1:37:A:LEU:HD23	3	0.22
(1,753)	1:37:A:LEU:HD21	1:37:A:LEU:HD23	4	0.22
(1,753)	1:37:A:LEU:HD22	1:37:A:LEU:HD21	5	0.22
(1,753)	1:37:A:LEU:HD21	1:37:A:LEU:HD23	6	0.22
(1,753)	1:37:A:LEU:HD22	1:37:A:LEU:HD21	7	0.22
(1,753)	1:37:A:LEU:HD21	1:37:A:LEU:HD23	8	0.22
(1,753)	1:37:A:LEU:HD22	1:37:A:LEU:HD21	9	0.22
(1,753)	1:37:A:LEU:HD22	1:37:A:LEU:HD21	10	0.22
(1,753)	1:37:A:LEU:HD21	1:37:A:LEU:HD23	11	0.22
(1,753)	1:37:A:LEU:HD22	1:37:A:LEU:HD23	12	0.22
(1,753)	1:37:A:LEU:HD21	1:37:A:LEU:HD23	13	0.22
(1,753)	1:37:A:LEU:HD21	1:37:A:LEU:HD23	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,753)	1:37:A:LEU:HD21	1:37:A:LEU:HD23	15	0.22
(1,753)	1:37:A:LEU:HD22	1:37:A:LEU:HD23	16	0.22
(1,753)	1:37:A:LEU:HD21	1:37:A:LEU:HD23	17	0.22
(1,753)	1:37:A:LEU:HD22	1:37:A:LEU:HD23	18	0.22
(1,753)	1:37:A:LEU:HD22	1:37:A:LEU:HD23	19	0.22
(1,753)	1:37:A:LEU:HD21	1:37:A:LEU:HD23	20	0.22
(1,730)	1:53:B:VAL:HG22	1:53:B:VAL:HG11	1	0.22
(1,730)	1:53:B:VAL:HG21	1:53:B:VAL:HG13	10	0.22
(1,729)	1:53:A:VAL:HG22	1:53:A:VAL:HG11	1	0.22
(1,729)	1:53:A:VAL:HG22	1:53:A:VAL:HG13	3	0.22
(1,729)	1:53:A:VAL:HG23	1:53:A:VAL:HG11	6	0.22
(1,729)	1:53:A:VAL:HG21	1:53:A:VAL:HG13	10	0.22
(1,650)	1:49:B:LYS:HG2	1:49:B:LYS:HA	4	0.22
(1,650)	1:49:B:LYS:HG2	1:49:B:LYS:HA	8	0.22
(1,649)	1:49:A:LYS:HG2	1:49:A:LYS:HA	4	0.22
(1,649)	1:49:A:LYS:HG2	1:49:A:LYS:HA	8	0.22
(1,592)	1:42:B:ALA:HB1	1:49:B:LYS:HD3	5	0.22
(1,592)	1:42:B:ALA:HB1	1:49:B:LYS:HD3	19	0.22
(1,571)	1:49:A:LYS:HB3	1:49:A:LYS:HD2	1	0.22
(1,562)	1:39:B:LYS:HD2	1:35:B:GLN:HG2	4	0.22
(1,561)	1:39:A:LYS:HD2	1:35:A:GLN:HG2	4	0.22
(1,554)	1:75:B:ILE:HD13	1:91:A:LYS:HD3	8	0.22
(1,538)	1:75:B:ILE:HD12	1:75:B:ILE:HB	9	0.22
(1,538)	1:75:B:ILE:HD11	1:75:B:ILE:HB	13	0.22
(1,538)	1:75:B:ILE:HD13	1:75:B:ILE:HB	18	0.22
(1,537)	1:75:A:ILE:HD12	1:75:A:ILE:HB	9	0.22
(1,472)	1:78:B:VAL:HG22	1:11:B:ILE:HB	15	0.22
(1,471)	1:78:A:VAL:HG22	1:11:A:ILE:HB	15	0.22
(1,442)	1:49:B:LYS:HB2	1:53:B:VAL:HB	15	0.22
(1,442)	1:49:B:LYS:HB2	1:53:B:VAL:HB	16	0.22
(1,441)	1:49:A:LYS:HB2	1:53:A:VAL:HB	15	0.22
(1,441)	1:49:A:LYS:HB2	1:53:A:VAL:HB	16	0.22
(1,436)	1:72:B:GLN:HG2	1:72:B:GLN:HG3	13	0.22
(1,435)	1:72:A:GLN:HG2	1:72:A:GLN:HG3	13	0.22
(1,400)	1:12:B:VAL:HG22	1:86:A:HIS:HB3	3	0.22
(1,399)	1:12:A:VAL:HG22	1:86:B:HIS:HB3	3	0.22
(1,398)	1:12:B:VAL:HA	1:86:A:HIS:HB3	9	0.22
(1,398)	1:12:B:VAL:HA	1:86:A:HIS:HB3	11	0.22
(1,397)	1:12:A:VAL:HA	1:86:B:HIS:HB3	9	0.22
(1,397)	1:12:A:VAL:HA	1:86:B:HIS:HB3	11	0.22
(1,388)	1:36:B:LEU:HD13	1:36:B:LEU:HA	18	0.22
(1,388)	1:36:B:LEU:HD13	1:36:B:LEU:HA	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,387)	1:36:A:LEU:HD13	1:36:A:LEU:HA	18	0.22
(1,387)	1:36:A:LEU:HD13	1:36:A:LEU:HA	20	0.22
(1,370)	1:91:B:LYS:HE3	1:90:B:HIS:HB3	16	0.22
(1,369)	1:91:A:LYS:HE3	1:90:A:HIS:HB3	16	0.22
(1,318)	1:37:B:LEU:HD13	1:30:B:LYS:HA	9	0.22
(1,317)	1:37:A:LEU:HD13	1:30:A:LYS:HA	9	0.22
(1,242)	1:53:B:VAL:HG23	1:48:B:ILE:HA	11	0.22
(1,241)	1:53:A:VAL:HG23	1:48:A:ILE:HA	11	0.22
(1,204)	1:80:B:ILE:HD11	1:76:B:SER:HA	16	0.22
(1,203)	1:80:A:ILE:HD11	1:76:A:SER:HA	16	0.22
(1,201)	1:36:A:LEU:HD22	1:33:A:LEU:HA	12	0.22
(1,84)	1:75:B:ILE:H	1:75:B:ILE:HD13	7	0.22
(1,83)	1:75:A:ILE:H	1:75:A:ILE:HD13	7	0.22
(2,132)	1:12:B:VAL:H	1:86:A:HIS:HB3	18	0.21
(2,131)	1:12:A:VAL:H	1:86:B:HIS:HB3	18	0.21
(2,72)	1:32:B:GLU:HB2	1:36:B:LEU:HB2	13	0.21
(2,58)	1:32:B:GLU:HB2	1:35:B:GLN:HB2	15	0.21
(2,57)	1:32:A:GLU:HB2	1:35:A:GLN:HB2	15	0.21
(2,10)	1:80:B:ILE:H	1:91:B:LYS:HD3	2	0.21
(2,9)	1:80:A:ILE:H	1:91:A:LYS:HD3	2	0.21
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG21	2	0.21
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG21	2	0.21
(1,3810)	1:75:B:ILE:H	1:75:B:ILE:HD13	5	0.21
(1,3809)	1:75:A:ILE:H	1:75:A:ILE:HD13	5	0.21
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG21	18	0.21
(1,3795)	1:62:A:ASP:H	1:61:A:LEU:HD11	13	0.21
(1,3776)	1:37:B:LEU:H	1:37:B:LEU:HD21	3	0.21
(1,3728)	1:55:B:ASP:H	1:53:B:VAL:HG11	7	0.21
(1,3728)	1:55:B:ASP:H	1:53:B:VAL:HG12	8	0.21
(1,3728)	1:55:B:ASP:H	1:53:B:VAL:HG11	15	0.21
(1,3727)	1:55:A:ASP:H	1:53:A:VAL:HG11	7	0.21
(1,3727)	1:55:A:ASP:H	1:53:A:VAL:HG12	8	0.21
(1,3705)	1:12:A:VAL:H	1:82:B:LEU:HG	4	0.21
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD11	15	0.21
(1,3698)	1:46:B:LYS:H	1:45:B:ILE:HG13	1	0.21
(1,3698)	1:46:B:LYS:H	1:45:B:ILE:HG13	9	0.21
(1,3698)	1:46:B:LYS:H	1:45:B:ILE:HG13	19	0.21
(1,3697)	1:46:A:LYS:H	1:45:A:ILE:HG13	1	0.21
(1,3697)	1:46:A:LYS:H	1:45:A:ILE:HG13	19	0.21
(1,3692)	1:75:B:ILE:H	1:61:B:LEU:HB3	3	0.21
(1,3692)	1:75:B:ILE:H	1:61:B:LEU:HB3	13	0.21
(1,3691)	1:75:A:ILE:H	1:61:A:LEU:HB3	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3691)	1:75:A:ILE:H	1:61:A:LEU:HB3	5	0.21
(1,3691)	1:75:A:ILE:H	1:61:A:LEU:HB3	13	0.21
(1,3684)	1:43:B:ASN:H	1:45:B:ILE:HG13	11	0.21
(1,3680)	1:54:B:ILE:H	1:54:B:ILE:HD13	4	0.21
(1,3679)	1:54:A:ILE:H	1:54:A:ILE:HD13	4	0.21
(1,3606)	1:41:B:LEU:H	1:39:B:LYS:HG2	5	0.21
(1,3596)	1:85:B:ALA:H	1:91:B:LYS:HB2	20	0.21
(1,3595)	1:85:A:ALA:H	1:91:A:LYS:HB2	20	0.21
(1,3592)	1:80:B:ILE:H	1:91:B:LYS:HD3	2	0.21
(1,3591)	1:80:A:ILE:H	1:91:A:LYS:HD3	2	0.21
(1,3590)	1:90:B:HIS:H	1:91:B:LYS:HD3	18	0.21
(1,3589)	1:90:A:HIS:H	1:91:A:LYS:HD3	18	0.21
(1,3562)	1:84:B:ALA:H	1:83:B:LYS:HB3	12	0.21
(1,3561)	1:84:A:ALA:H	1:83:A:LYS:HB3	12	0.21
(1,3518)	1:10:B:GLY:H	1:9:B:GLU:HG2	14	0.21
(1,3517)	1:10:A:GLY:H	1:9:A:GLU:HG2	14	0.21
(1,3474)	1:55:B:ASP:H	1:53:B:VAL:HB	4	0.21
(1,3460)	1:57:B:ILE:H	1:55:B:ASP:HB3	11	0.21
(1,3459)	1:57:A:ILE:H	1:55:A:ASP:HB3	3	0.21
(1,3459)	1:57:A:ILE:H	1:55:A:ASP:HB3	11	0.21
(1,3452)	1:72:B:GLN:H	1:83:A:LYS:HE3	12	0.21
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB3	7	0.21
(1,3350)	1:48:B:ILE:H	1:46:B:LYS:HA	2	0.21
(1,3350)	1:48:B:ILE:H	1:46:B:LYS:HA	10	0.21
(1,3349)	1:48:A:ILE:H	1:46:A:LYS:HA	2	0.21
(1,3336)	1:51:B:LYS:H	1:52:B:ALA:HA	14	0.21
(1,3335)	1:51:A:LYS:H	1:52:A:ALA:HA	14	0.21
(1,3334)	1:69:B:VAL:H	1:29:B:SER:HB3	11	0.21
(1,3334)	1:69:B:VAL:H	1:29:B:SER:HB3	12	0.21
(1,3333)	1:69:A:VAL:H	1:29:A:SER:HB3	12	0.21
(1,3310)	1:54:B:ILE:H	1:49:B:LYS:H	1	0.21
(1,3310)	1:54:B:ILE:H	1:49:B:LYS:H	2	0.21
(1,3310)	1:54:B:ILE:H	1:49:B:LYS:H	3	0.21
(1,3309)	1:54:A:ILE:H	1:49:A:LYS:H	1	0.21
(1,3309)	1:54:A:ILE:H	1:49:A:LYS:H	2	0.21
(1,3309)	1:54:A:ILE:H	1:49:A:LYS:H	3	0.21
(1,3298)	1:75:B:ILE:H	1:72:B:GLN:H	9	0.21
(1,3298)	1:75:B:ILE:H	1:72:B:GLN:H	10	0.21
(1,3298)	1:75:B:ILE:H	1:72:B:GLN:H	14	0.21
(1,3297)	1:75:A:ILE:H	1:72:A:GLN:H	9	0.21
(1,3297)	1:75:A:ILE:H	1:72:A:GLN:H	10	0.21
(1,3297)	1:75:A:ILE:H	1:72:A:GLN:H	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3287)	1:87:A:TYR:H	1:89:A:THR:H	18	0.21
(1,3285)	1:76:A:SER:H	1:72:A:GLN:H	15	0.21
(1,3274)	1:52:B:ALA:H	1:50:B:ASP:H	2	0.21
(1,3273)	1:52:A:ALA:H	1:50:A:ASP:H	2	0.21
(1,3264)	1:12:B:VAL:H	1:10:B:GLY:H	12	0.21
(1,3263)	1:12:A:VAL:H	1:10:A:GLY:H	13	0.21
(1,3198)	1:75:B:ILE:HA	1:78:B:VAL:HG22	4	0.21
(1,3198)	1:75:B:ILE:HA	1:78:B:VAL:HG22	12	0.21
(1,3197)	1:75:A:ILE:HA	1:78:A:VAL:HG22	4	0.21
(1,3197)	1:75:A:ILE:HA	1:78:A:VAL:HG22	12	0.21
(1,3182)	1:75:B:ILE:HD13	1:72:B:GLN:HG3	4	0.21
(1,3181)	1:75:A:ILE:HD13	1:72:A:GLN:HG3	4	0.21
(1,3178)	1:83:B:LYS:HE3	1:75:A:ILE:HD11	19	0.21
(1,3177)	1:83:A:LYS:HE3	1:75:B:ILE:HD11	19	0.21
(1,3168)	1:75:B:ILE:HG21	1:76:B:SER:HA	3	0.21
(1,3167)	1:75:A:ILE:HG21	1:76:A:SER:HA	3	0.21
(1,3122)	1:48:B:ILE:HG21	1:49:B:LYS:HA	14	0.21
(1,3121)	1:48:A:ILE:HG21	1:49:A:LYS:HA	14	0.21
(1,3104)	1:30:B:LYS:HG2	1:30:B:LYS:HD3	7	0.21
(1,3103)	1:30:A:LYS:HG2	1:30:A:LYS:HD3	7	0.21
(1,3102)	1:37:B:LEU:HD12	1:37:B:LEU:HD13	8	0.21
(1,3102)	1:37:B:LEU:HD12	1:37:B:LEU:HD13	10	0.21
(1,3102)	1:37:B:LEU:HD12	1:37:B:LEU:HD13	11	0.21
(1,3102)	1:37:B:LEU:HD12	1:37:B:LEU:HD13	17	0.21
(1,3101)	1:37:A:LEU:HD11	1:37:A:LEU:HD13	6	0.21
(1,3101)	1:37:A:LEU:HD12	1:37:A:LEU:HD13	8	0.21
(1,3101)	1:37:A:LEU:HD12	1:37:A:LEU:HD13	10	0.21
(1,3101)	1:37:A:LEU:HD11	1:37:A:LEU:HD13	19	0.21
(1,3094)	1:53:B:VAL:HG21	1:46:B:LYS:HD2	10	0.21
(1,3093)	1:53:A:VAL:HG21	1:46:A:LYS:HD2	10	0.21
(1,3053)	1:86:A:HIS:HB3	1:12:B:VAL:HG13	1	0.21
(1,3046)	1:37:B:LEU:HD12	1:38:B:THR:HA	7	0.21
(1,2984)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	14	0.21
(1,2983)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	14	0.21
(1,2862)	1:85:B:ALA:HB1	1:85:B:ALA:HB3	1	0.21
(1,2862)	1:85:B:ALA:HB2	1:85:B:ALA:HB3	2	0.21
(1,2862)	1:79:B:ALA:HB1	1:79:B:ALA:HB3	3	0.21
(1,2862)	1:85:B:ALA:HB1	1:85:B:ALA:HB3	4	0.21
(1,2862)	1:85:B:ALA:HB2	1:85:B:ALA:HB1	5	0.21
(1,2862)	1:79:B:ALA:HB1	1:79:B:ALA:HB3	6	0.21
(1,2862)	1:52:B:ALA:HB2	1:52:B:ALA:HB3	7	0.21
(1,2862)	1:85:B:ALA:HB1	1:85:B:ALA:HB3	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2862)	1:85:B:ALA:HB2	1:85:B:ALA:HB3	9	0.21
(1,2862)	1:85:B:ALA:HB2	1:85:B:ALA:HB1	10	0.21
(1,2862)	1:85:B:ALA:HB1	1:85:B:ALA:HB3	11	0.21
(1,2862)	1:79:B:ALA:HB1	1:79:B:ALA:HB3	12	0.21
(1,2862)	1:85:B:ALA:HB1	1:85:B:ALA:HB3	13	0.21
(1,2862)	1:85:B:ALA:HB1	1:85:B:ALA:HB3	14	0.21
(1,2862)	1:85:B:ALA:HB1	1:85:B:ALA:HB3	15	0.21
(1,2862)	1:85:B:ALA:HB1	1:85:B:ALA:HB3	16	0.21
(1,2862)	1:85:B:ALA:HB1	1:85:B:ALA:HB3	17	0.21
(1,2862)	1:85:B:ALA:HB1	1:85:B:ALA:HB3	18	0.21
(1,2862)	1:85:B:ALA:HB2	1:85:B:ALA:HB3	19	0.21
(1,2862)	1:85:B:ALA:HB2	1:85:B:ALA:HB1	20	0.21
(1,2861)	1:85:A:ALA:HB2	1:85:A:ALA:HB3	1	0.21
(1,2861)	1:85:A:ALA:HB2	1:85:A:ALA:HB3	2	0.21
(1,2861)	1:79:A:ALA:HB1	1:79:A:ALA:HB3	3	0.21
(1,2861)	1:85:A:ALA:HB1	1:85:A:ALA:HB3	4	0.21
(1,2861)	1:79:A:ALA:HB1	1:79:A:ALA:HB3	5	0.21
(1,2861)	1:85:A:ALA:HB1	1:85:A:ALA:HB3	6	0.21
(1,2861)	1:85:A:ALA:HB2	1:85:A:ALA:HB3	7	0.21
(1,2861)	1:79:A:ALA:HB2	1:79:A:ALA:HB1	8	0.21
(1,2861)	1:85:A:ALA:HB2	1:85:A:ALA:HB3	9	0.21
(1,2861)	1:85:A:ALA:HB2	1:85:A:ALA:HB1	10	0.21
(1,2861)	1:85:A:ALA:HB1	1:85:A:ALA:HB3	11	0.21
(1,2861)	1:85:A:ALA:HB1	1:85:A:ALA:HB3	12	0.21
(1,2861)	1:85:A:ALA:HB2	1:85:A:ALA:HB1	13	0.21
(1,2861)	1:85:A:ALA:HB1	1:85:A:ALA:HB3	14	0.21
(1,2861)	1:85:A:ALA:HB1	1:85:A:ALA:HB3	15	0.21
(1,2861)	1:85:A:ALA:HB1	1:85:A:ALA:HB3	16	0.21
(1,2861)	1:85:A:ALA:HB2	1:85:A:ALA:HB1	17	0.21
(1,2861)	1:85:A:ALA:HB1	1:85:A:ALA:HB3	18	0.21
(1,2861)	1:85:A:ALA:HB2	1:85:A:ALA:HB3	19	0.21
(1,2861)	1:85:A:ALA:HB2	1:85:A:ALA:HB1	20	0.21
(1,2860)	1:53:B:VAL:HG11	1:46:B:LYS:HG3	3	0.21
(1,2859)	1:53:A:VAL:HG11	1:46:A:LYS:HG3	3	0.21
(1,2846)	1:74:B:PHE:HB2	1:77:B:LEU:HB3	10	0.21
(1,2845)	1:74:A:PHE:HB2	1:77:A:LEU:HB3	10	0.21
(1,2833)	1:79:A:ALA:HB1	1:76:A:SER:HB3	3	0.21
(1,2794)	1:85:B:ALA:HB2	1:85:B:ALA:HA	4	0.21
(1,2794)	1:85:B:ALA:HB2	1:85:B:ALA:HA	20	0.21
(1,2793)	1:85:A:ALA:HB2	1:85:A:ALA:HA	4	0.21
(1,2793)	1:85:A:ALA:HB2	1:85:A:ALA:HA	20	0.21
(1,2729)	1:75:A:ILE:HD13	1:91:B:LYS:HB2	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2704)	1:91:B:LYS:HD3	1:91:B:LYS:HE2	11	0.21
(1,2704)	1:51:B:LYS:HE2	1:51:B:LYS:HD2	20	0.21
(1,2703)	1:51:A:LYS:HE2	1:51:A:LYS:HD2	10	0.21
(1,2703)	1:91:A:LYS:HD3	1:91:A:LYS:HE2	11	0.21
(1,2703)	1:51:A:LYS:HE2	1:51:A:LYS:HD2	20	0.21
(1,2698)	1:45:B:ILE:HB	1:48:B:ILE:HA	4	0.21
(1,2698)	1:45:B:ILE:HB	1:48:B:ILE:HA	11	0.21
(1,2697)	1:45:A:ILE:HB	1:48:A:ILE:HA	4	0.21
(1,2697)	1:45:A:ILE:HB	1:48:A:ILE:HA	11	0.21
(1,2685)	1:91:A:LYS:HB2	1:90:A:HIS:HB3	15	0.21
(1,2640)	1:51:B:LYS:HB3	1:52:B:ALA:HA	17	0.21
(1,2639)	1:51:A:LYS:HB3	1:52:A:ALA:HA	17	0.21
(1,2630)	1:81:B:ALA:HB3	1:41:B:LEU:HB3	14	0.21
(1,2630)	1:81:B:ALA:HB3	1:41:B:LEU:HB3	16	0.21
(1,2629)	1:81:A:ALA:HB3	1:41:A:LEU:HB3	14	0.21
(1,2629)	1:81:A:ALA:HB3	1:41:A:LEU:HB3	16	0.21
(1,2601)	1:42:A:ALA:HA	1:48:A:ILE:HB	14	0.21
(1,2548)	1:82:B:LEU:HG	1:78:B:VAL:HB	20	0.21
(1,2547)	1:82:A:LEU:HG	1:78:A:VAL:HB	20	0.21
(1,2514)	1:47:B:ASN:HB3	1:46:B:LYS:HD2	4	0.21
(1,2513)	1:47:A:ASN:HB3	1:46:A:LYS:HD2	4	0.21
(1,2508)	1:10:B:GLY:HA3	1:9:B:GLU:HB3	8	0.21
(1,2507)	1:10:A:GLY:HA3	1:9:A:GLU:HB3	8	0.21
(1,2466)	1:6:B:GLU:HB2	1:6:B:GLU:HA	1	0.21
(1,2465)	1:6:A:GLU:HB2	1:6:A:GLU:HA	1	0.21
(1,2393)	1:56:A:GLU:HG2	1:59:A:GLN:HG3	14	0.21
(1,2387)	1:12:A:VAL:HB	1:13:A:ASN:HB2	16	0.21
(1,2314)	1:54:B:ILE:HB	1:55:B:ASP:HB2	5	0.21
(1,2314)	1:54:B:ILE:HB	1:55:B:ASP:HB2	9	0.21
(1,2313)	1:54:A:ILE:HB	1:55:A:ASP:HB2	5	0.21
(1,2295)	1:59:A:GLN:HG3	1:55:A:ASP:HB3	7	0.21
(1,2276)	1:72:B:GLN:HB2	1:70:B:ASP:HB3	17	0.21
(1,2275)	1:72:A:GLN:HB3	1:83:B:LYS:HE3	17	0.21
(1,2266)	1:53:B:VAL:HG13	1:50:B:ASP:HB2	3	0.21
(1,2265)	1:53:A:VAL:HG13	1:50:A:ASP:HB2	3	0.21
(1,2261)	1:72:A:GLN:HG3	1:83:B:LYS:HE2	11	0.21
(1,2260)	1:72:B:GLN:HA	1:75:B:ILE:HA	19	0.21
(1,2259)	1:72:A:GLN:HA	1:75:A:ILE:HA	19	0.21
(1,2256)	1:52:B:ALA:HB2	1:50:B:ASP:HB2	2	0.21
(1,2255)	1:52:A:ALA:HB2	1:50:A:ASP:HB2	2	0.21
(1,2246)	1:91:B:LYS:HB2	1:91:B:LYS:HE2	20	0.21
(1,2245)	1:91:A:LYS:HB2	1:91:A:LYS:HE2	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2221)	1:30:A:LYS:HB3	1:51:A:LYS:HE3	18	0.21
(1,2185)	1:46:A:LYS:HA	1:47:A:ASN:HB2	2	0.21
(1,2178)	1:54:B:ILE:HG12	1:58:B:PHE:HB2	18	0.21
(1,2170)	1:86:B:HIS:HA	1:88:B:HIS:HB3	5	0.21
(1,2170)	1:86:B:HIS:HA	1:88:B:HIS:HB3	20	0.21
(1,2169)	1:86:A:HIS:HA	1:88:A:HIS:HB3	5	0.21
(1,2169)	1:86:A:HIS:HA	1:88:A:HIS:HB3	20	0.21
(1,2168)	1:86:B:HIS:HA	1:88:B:HIS:HB3	3	0.21
(1,2150)	1:67:B:GLU:HA	1:30:B:LYS:HA	7	0.21
(1,2150)	1:67:B:GLU:HA	1:30:B:LYS:HA	12	0.21
(1,2149)	1:67:A:GLU:HA	1:30:A:LYS:HA	12	0.21
(1,2108)	1:61:B:LEU:HD23	1:76:B:SER:HB3	4	0.21
(1,2040)	1:48:B:ILE:HD13	1:81:B:ALA:HA	13	0.21
(1,2039)	1:48:A:ILE:HD13	1:81:A:ALA:HA	13	0.21
(1,1854)	1:54:B:ILE:H	1:55:B:ASP:HB2	5	0.21
(1,1852)	1:75:B:ILE:H	1:75:B:ILE:HG21	4	0.21
(1,1852)	1:75:B:ILE:H	1:75:B:ILE:HG21	11	0.21
(1,1851)	1:75:A:ILE:H	1:75:A:ILE:HG21	11	0.21
(1,1851)	1:75:A:ILE:H	1:75:A:ILE:HG21	15	0.21
(1,1849)	1:54:A:ILE:H	1:53:A:VAL:HG12	10	0.21
(1,1824)	1:11:B:ILE:H	1:6:B:GLU:HA	7	0.21
(1,1824)	1:11:B:ILE:H	1:6:B:GLU:HA	9	0.21
(1,1812)	1:44:B:THR:H	1:46:B:LYS:HA	5	0.21
(1,1806)	1:57:B:ILE:HG22	1:61:B:LEU:H	13	0.21
(1,1805)	1:57:A:ILE:HG22	1:61:A:LEU:H	13	0.21
(1,1800)	1:56:B:GLU:H	1:30:B:LYS:HD3	4	0.21
(1,1799)	1:56:A:GLU:H	1:30:A:LYS:HD3	4	0.21
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD22	1	0.21
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD23	19	0.21
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD22	1	0.21
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD23	19	0.21
(1,1751)	1:75:A:ILE:HG21	1:79:B:ALA:H	10	0.21
(1,1737)	1:75:A:ILE:HG22	1:82:B:LEU:HD11	18	0.21
(1,1734)	1:36:B:LEU:HD21	1:8:A:LEU:HD23	6	0.21
(1,1733)	1:36:A:LEU:HD21	1:8:B:LEU:HD23	6	0.21
(1,1733)	1:36:A:LEU:HD21	1:8:B:LEU:HD11	10	0.21
(1,1731)	1:45:A:ILE:HB	1:8:B:LEU:HD12	20	0.21
(1,1712)	1:83:B:LYS:HD3	1:75:A:ILE:HG21	6	0.21
(1,1687)	1:12:A:VAL:HG23	1:82:B:LEU:HA	19	0.21
(1,1616)	1:9:B:GLU:H	1:44:A:THR:HG22	14	0.21
(1,1615)	1:9:A:GLU:H	1:44:B:THR:HG22	14	0.21
(1,1500)	1:83:B:LYS:H	1:83:B:LYS:HB3	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1499)	1:83:A:LYS:H	1:83:A:LYS:HB3	4	0.21
(1,1472)	1:63:B:ALA:H	1:73:B:GLU:HB3	10	0.21
(1,1471)	1:63:A:ALA:H	1:73:A:GLU:HB3	10	0.21
(1,730)	1:53:B:VAL:HG23	1:53:B:VAL:HG11	6	0.21
(1,618)	1:42:B:ALA:HB1	1:43:B:ASN:HB3	8	0.21
(1,598)	1:36:B:LEU:HD22	1:36:B:LEU:HB2	12	0.21
(1,597)	1:36:A:LEU:HD22	1:36:A:LEU:HB2	12	0.21
(1,591)	1:42:A:ALA:HB1	1:49:A:LYS:HD3	5	0.21
(1,591)	1:42:A:ALA:HB1	1:49:A:LYS:HD3	19	0.21
(1,572)	1:49:B:LYS:HB3	1:49:B:LYS:HD2	1	0.21
(1,562)	1:39:B:LYS:HD2	1:35:B:GLN:HG2	11	0.21
(1,538)	1:75:B:ILE:HD12	1:75:B:ILE:HB	5	0.21
(1,538)	1:75:B:ILE:HD13	1:75:B:ILE:HB	7	0.21
(1,537)	1:75:A:ILE:HD12	1:75:A:ILE:HB	5	0.21
(1,537)	1:75:A:ILE:HD13	1:75:A:ILE:HB	7	0.21
(1,537)	1:75:A:ILE:HD11	1:75:A:ILE:HB	14	0.21
(1,472)	1:78:B:VAL:HG22	1:11:B:ILE:HB	11	0.21
(1,471)	1:78:A:VAL:HG22	1:11:A:ILE:HB	11	0.21
(1,442)	1:49:B:LYS:HB2	1:53:B:VAL:HB	19	0.21
(1,388)	1:36:B:LEU:HD12	1:36:B:LEU:HA	14	0.21
(1,388)	1:36:B:LEU:HD12	1:36:B:LEU:HA	16	0.21
(1,388)	1:36:B:LEU:HD12	1:36:B:LEU:HA	17	0.21
(1,387)	1:36:A:LEU:HD12	1:36:A:LEU:HA	14	0.21
(1,387)	1:36:A:LEU:HD12	1:36:A:LEU:HA	16	0.21
(1,387)	1:36:A:LEU:HD12	1:36:A:LEU:HA	17	0.21
(1,296)	1:83:B:LYS:HB3	1:80:B:ILE:HA	8	0.21
(1,295)	1:83:A:LYS:HB3	1:80:A:ILE:HA	8	0.21
(1,204)	1:80:B:ILE:HD13	1:76:B:SER:HA	6	0.21
(1,202)	1:36:B:LEU:HD22	1:33:B:LEU:HA	13	0.21
(1,201)	1:36:A:LEU:HD22	1:33:A:LEU:HA	13	0.21
(2,126)	1:63:B:ALA:H	1:64:B:ASN:HB3	17	0.2
(2,72)	1:32:B:GLU:HB2	1:36:B:LEU:HB2	2	0.2
(2,71)	1:32:A:GLU:HB2	1:36:A:LEU:HB2	2	0.2
(2,71)	1:32:A:GLU:HB2	1:36:A:LEU:HB2	13	0.2
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG23	15	0.2
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG23	15	0.2
(1,3796)	1:62:B:ASP:H	1:61:B:LEU:HD11	13	0.2
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG21	10	0.2
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG21	10	0.2
(1,3774)	1:55:B:ASP:H	1:54:B:ILE:HG23	15	0.2
(1,3773)	1:55:A:ASP:H	1:54:A:ILE:HG23	15	0.2
(1,3728)	1:55:B:ASP:H	1:53:B:VAL:HG13	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3727)	1:55:A:ASP:H	1:53:A:VAL:HG13	13	0.2
(1,3727)	1:55:A:ASP:H	1:53:A:VAL:HG11	15	0.2
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG13	6	0.2
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG13	6	0.2
(1,3706)	1:12:B:VAL:H	1:82:A:LEU:HG	4	0.2
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD12	20	0.2
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD11	15	0.2
(1,3698)	1:46:B:LYS:H	1:45:B:ILE:HG13	5	0.2
(1,3697)	1:46:A:LYS:H	1:45:A:ILE:HG13	5	0.2
(1,3694)	1:75:B:ILE:H	1:83:A:LYS:HG2	11	0.2
(1,3693)	1:75:A:ILE:H	1:83:B:LYS:HG2	11	0.2
(1,3692)	1:75:B:ILE:H	1:61:B:LEU:HB3	1	0.2
(1,3692)	1:75:B:ILE:H	1:61:B:LEU:HB3	4	0.2
(1,3692)	1:75:B:ILE:H	1:61:B:LEU:HB3	5	0.2
(1,3691)	1:75:A:ILE:H	1:61:A:LEU:HB3	1	0.2
(1,3691)	1:75:A:ILE:H	1:61:A:LEU:HB3	4	0.2
(1,3682)	1:86:B:HIS:H	1:83:B:LYS:HG2	10	0.2
(1,3681)	1:86:A:HIS:H	1:83:A:LYS:HG2	10	0.2
(1,3664)	1:47:B:ASN:H	1:46:B:LYS:HG3	15	0.2
(1,3620)	1:90:B:HIS:H	1:91:B:LYS:HB2	11	0.2
(1,3619)	1:90:A:HIS:H	1:91:A:LYS:HB2	11	0.2
(1,3605)	1:41:A:LEU:H	1:39:A:LYS:HG2	5	0.2
(1,3550)	1:48:B:ILE:H	1:46:B:LYS:HD2	18	0.2
(1,3549)	1:48:A:ILE:H	1:46:A:LYS:HD2	17	0.2
(1,3549)	1:48:A:ILE:H	1:46:A:LYS:HD2	18	0.2
(1,3528)	1:49:B:LYS:H	1:46:B:LYS:HD2	4	0.2
(1,3527)	1:49:A:LYS:H	1:46:A:LYS:HD2	4	0.2
(1,3516)	1:39:B:LYS:H	1:39:B:LYS:HB2	4	0.2
(1,3515)	1:39:A:LYS:H	1:39:A:LYS:HB2	4	0.2
(1,3484)	1:75:B:ILE:H	1:72:B:GLN:HG3	5	0.2
(1,3483)	1:75:A:ILE:H	1:72:A:GLN:HG3	5	0.2
(1,3479)	1:85:A:ALA:H	1:12:B:VAL:HB	10	0.2
(1,3476)	1:57:B:ILE:H	1:56:B:GLU:HG2	8	0.2
(1,3474)	1:55:B:ASP:H	1:53:B:VAL:HB	19	0.2
(1,3473)	1:55:A:ASP:H	1:53:A:VAL:HB	19	0.2
(1,3460)	1:57:B:ILE:H	1:55:B:ASP:HB3	8	0.2
(1,3459)	1:57:A:ILE:H	1:55:A:ASP:HB3	8	0.2
(1,3451)	1:72:A:GLN:H	1:83:B:LYS:HE3	14	0.2
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB3	2	0.2
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB2	3	0.2
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB3	7	0.2
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB3	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB2	3	0.2
(1,3414)	1:59:B:GLN:H	1:54:B:ILE:HA	18	0.2
(1,3414)	1:59:B:GLN:H	1:54:B:ILE:HA	20	0.2
(1,3413)	1:59:A:GLN:H	1:54:A:ILE:HA	18	0.2
(1,3413)	1:59:A:GLN:H	1:54:A:ILE:HA	20	0.2
(1,3349)	1:48:A:ILE:H	1:46:A:LYS:HA	10	0.2
(1,3333)	1:69:A:VAL:H	1:29:A:SER:HB3	11	0.2
(1,3298)	1:75:B:ILE:H	1:72:B:GLN:H	7	0.2
(1,3298)	1:75:B:ILE:H	1:72:B:GLN:H	19	0.2
(1,3297)	1:75:A:ILE:H	1:72:A:GLN:H	7	0.2
(1,3297)	1:75:A:ILE:H	1:72:A:GLN:H	14	0.2
(1,3297)	1:75:A:ILE:H	1:72:A:GLN:H	19	0.2
(1,3288)	1:87:B:TYR:H	1:89:B:THR:H	18	0.2
(1,3286)	1:76:B:SER:H	1:72:B:GLN:H	8	0.2
(1,3286)	1:76:B:SER:H	1:72:B:GLN:H	17	0.2
(1,3285)	1:76:A:SER:H	1:72:A:GLN:H	8	0.2
(1,3285)	1:76:A:SER:H	1:72:A:GLN:H	17	0.2
(1,3284)	1:68:B:GLN:H	1:64:B:ASN:H	17	0.2
(1,3283)	1:68:A:GLN:H	1:64:A:ASN:H	17	0.2
(1,3274)	1:52:B:ALA:H	1:50:B:ASP:H	1	0.2
(1,3274)	1:52:B:ALA:H	1:50:B:ASP:H	13	0.2
(1,3273)	1:52:A:ALA:H	1:50:A:ASP:H	1	0.2
(1,3273)	1:52:A:ALA:H	1:50:A:ASP:H	13	0.2
(1,3264)	1:12:B:VAL:H	1:10:B:GLY:H	17	0.2
(1,3263)	1:12:A:VAL:H	1:10:A:GLY:H	12	0.2
(1,3263)	1:12:A:VAL:H	1:10:A:GLY:H	17	0.2
(1,3160)	1:48:B:ILE:HG22	1:49:B:LYS:HG2	10	0.2
(1,3132)	1:54:B:ILE:HG23	1:58:B:PHE:HB3	10	0.2
(1,3131)	1:54:A:ILE:HG23	1:58:A:PHE:HB3	10	0.2
(1,3122)	1:48:B:ILE:HG21	1:49:B:LYS:HA	11	0.2
(1,3121)	1:48:A:ILE:HG21	1:49:A:LYS:HA	11	0.2
(1,3074)	1:59:B:GLN:HA	1:30:B:LYS:HD3	14	0.2
(1,3073)	1:59:A:GLN:HA	1:30:A:LYS:HD3	14	0.2
(1,3072)	1:12:B:VAL:HG23	1:9:B:GLU:HA	4	0.2
(1,3071)	1:12:A:VAL:HG23	1:9:A:GLU:HA	4	0.2
(1,3054)	1:86:B:HIS:HB3	1:12:A:VAL:HG12	1	0.2
(1,2984)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	5	0.2
(1,2983)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	5	0.2
(1,2956)	1:74:B:PHE:HB2	1:61:B:LEU:HB3	9	0.2
(1,2956)	1:74:B:PHE:HB2	1:61:B:LEU:HB3	19	0.2
(1,2955)	1:74:A:PHE:HB2	1:61:A:LEU:HB3	9	0.2
(1,2955)	1:74:A:PHE:HB2	1:61:A:LEU:HB3	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2954)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	2	0.2
(1,2953)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	2	0.2
(1,2932)	1:45:B:ILE:HG13	1:81:B:ALA:HA	12	0.2
(1,2931)	1:45:A:ILE:HG13	1:81:A:ALA:HA	12	0.2
(1,2860)	1:53:B:VAL:HG12	1:46:B:LYS:HG3	13	0.2
(1,2846)	1:74:B:PHE:HB2	1:77:B:LEU:HB3	3	0.2
(1,2846)	1:30:B:LYS:HB2	1:58:B:PHE:HB3	4	0.2
(1,2845)	1:74:A:PHE:HB2	1:77:A:LEU:HB3	3	0.2
(1,2845)	1:30:A:LYS:HB2	1:58:A:PHE:HB3	4	0.2
(1,2834)	1:79:B:ALA:HB3	1:76:B:SER:HB3	1	0.2
(1,2834)	1:79:B:ALA:HB1	1:76:B:SER:HB3	3	0.2
(1,2833)	1:79:A:ALA:HB3	1:76:A:SER:HB3	1	0.2
(1,2833)	1:79:A:ALA:HB3	1:76:A:SER:HB3	6	0.2
(1,2796)	1:46:B:LYS:HG3	1:46:B:LYS:HE2	18	0.2
(1,2795)	1:46:A:LYS:HG3	1:46:A:LYS:HE2	18	0.2
(1,2794)	1:85:B:ALA:HB3	1:85:B:ALA:HA	12	0.2
(1,2794)	1:85:B:ALA:HB2	1:85:B:ALA:HA	17	0.2
(1,2793)	1:85:A:ALA:HB3	1:85:A:ALA:HA	12	0.2
(1,2793)	1:85:A:ALA:HB2	1:85:A:ALA:HA	17	0.2
(1,2729)	1:75:A:ILE:HD13	1:91:B:LYS:HD3	8	0.2
(1,2718)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	16	0.2
(1,2717)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	16	0.2
(1,2704)	1:91:B:LYS:HD3	1:91:B:LYS:HE2	2	0.2
(1,2704)	1:91:B:LYS:HD3	1:91:B:LYS:HE2	7	0.2
(1,2704)	1:51:B:LYS:HE2	1:51:B:LYS:HD2	10	0.2
(1,2703)	1:91:A:LYS:HD3	1:91:A:LYS:HE2	2	0.2
(1,2703)	1:91:A:LYS:HD3	1:91:A:LYS:HE2	7	0.2
(1,2686)	1:91:B:LYS:HB2	1:90:B:HIS:HB3	15	0.2
(1,2682)	1:83:B:LYS:HB2	1:91:B:LYS:HD3	17	0.2
(1,2681)	1:83:A:LYS:HB2	1:91:A:LYS:HD3	17	0.2
(1,2674)	1:84:B:ALA:HB3	1:91:B:LYS:HD3	17	0.2
(1,2673)	1:84:A:ALA:HB3	1:91:A:LYS:HD3	17	0.2
(1,2602)	1:42:B:ALA:HA	1:48:B:ILE:HB	14	0.2
(1,2602)	1:42:B:ALA:HA	1:48:B:ILE:HB	18	0.2
(1,2563)	1:13:A:ASN:HB2	1:9:A:GLU:HB3	9	0.2
(1,2548)	1:82:B:LEU:HG	1:78:B:VAL:HB	2	0.2
(1,2548)	1:82:B:LEU:HG	1:78:B:VAL:HB	10	0.2
(1,2548)	1:82:B:LEU:HG	1:78:B:VAL:HB	15	0.2
(1,2547)	1:82:A:LEU:HG	1:78:A:VAL:HB	2	0.2
(1,2547)	1:82:A:LEU:HG	1:78:A:VAL:HB	10	0.2
(1,2547)	1:82:A:LEU:HG	1:78:A:VAL:HB	15	0.2
(1,2520)	1:8:B:LEU:HB2	1:7:B:HIS:HB2	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2508)	1:10:B:GLY:HA3	1:9:B:GLU:HB3	15	0.2
(1,2507)	1:10:A:GLY:HA3	1:9:A:GLU:HB3	15	0.2
(1,2495)	1:32:A:GLU:HG2	1:35:A:GLN:HB2	13	0.2
(1,2420)	1:67:B:GLU:HG2	1:59:B:GLN:HA	6	0.2
(1,2394)	1:56:B:GLU:HG2	1:59:B:GLN:HG3	14	0.2
(1,2388)	1:12:B:VAL:HB	1:13:B:ASN:HB2	6	0.2
(1,2388)	1:12:B:VAL:HB	1:13:B:ASN:HB2	18	0.2
(1,2387)	1:12:A:VAL:HB	1:13:A:ASN:HB2	18	0.2
(1,2376)	1:56:B:GLU:HG2	1:56:B:GLU:HA	7	0.2
(1,2360)	1:30:B:LYS:HG2	1:30:B:LYS:HE3	10	0.2
(1,2359)	1:30:A:LYS:HG2	1:30:A:LYS:HE3	10	0.2
(1,2344)	1:54:B:ILE:HG22	1:30:B:LYS:HE3	6	0.2
(1,2343)	1:54:A:ILE:HG22	1:30:A:LYS:HE3	6	0.2
(1,2315)	1:32:A:GLU:HG2	1:35:A:GLN:HB2	13	0.2
(1,2315)	1:9:A:GLU:HG3	1:86:B:HIS:HB3	19	0.2
(1,2313)	1:54:A:ILE:HB	1:55:A:ASP:HB2	6	0.2
(1,2266)	1:53:B:VAL:HG11	1:50:B:ASP:HB2	2	0.2
(1,2266)	1:53:B:VAL:HG12	1:50:B:ASP:HB2	12	0.2
(1,2266)	1:53:B:VAL:HG11	1:50:B:ASP:HB2	13	0.2
(1,2265)	1:53:A:VAL:HG12	1:50:A:ASP:HB2	12	0.2
(1,2265)	1:53:A:VAL:HG11	1:50:A:ASP:HB2	13	0.2
(1,2264)	1:88:B:HIS:HB3	1:86:B:HIS:HB2	16	0.2
(1,2263)	1:88:A:HIS:HB3	1:86:A:HIS:HB2	16	0.2
(1,2255)	1:52:A:ALA:HB1	1:50:A:ASP:HB2	7	0.2
(1,2239)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	8	0.2
(1,2222)	1:30:B:LYS:HB3	1:51:B:LYS:HE3	8	0.2
(1,2222)	1:30:B:LYS:HB3	1:51:B:LYS:HE3	18	0.2
(1,2221)	1:30:A:LYS:HB3	1:51:A:LYS:HE3	8	0.2
(1,2220)	1:49:B:LYS:HD3	1:49:B:LYS:HE2	7	0.2
(1,2220)	1:49:B:LYS:HD3	1:49:B:LYS:HE2	10	0.2
(1,2220)	1:49:B:LYS:HD2	1:49:B:LYS:HE2	12	0.2
(1,2220)	1:49:B:LYS:HD2	1:49:B:LYS:HE2	20	0.2
(1,2219)	1:49:A:LYS:HD3	1:49:A:LYS:HE2	7	0.2
(1,2219)	1:49:A:LYS:HD3	1:49:A:LYS:HE2	10	0.2
(1,2219)	1:49:A:LYS:HD2	1:49:A:LYS:HE2	12	0.2
(1,2219)	1:49:A:LYS:HD3	1:49:A:LYS:HE2	20	0.2
(1,2209)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	8	0.2
(1,2186)	1:46:B:LYS:HA	1:47:B:ASN:HB2	2	0.2
(1,2186)	1:46:B:LYS:HA	1:47:B:ASN:HB2	18	0.2
(1,2185)	1:46:A:LYS:HA	1:47:A:ASN:HB2	18	0.2
(1,2167)	1:86:A:HIS:HA	1:88:A:HIS:HB3	3	0.2
(1,2150)	1:67:B:GLU:HA	1:30:B:LYS:HA	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2149)	1:67:A:GLU:HA	1:30:A:LYS:HA	10	0.2
(1,2058)	1:73:B:GLU:HB2	1:74:B:PHE:HA	12	0.2
(1,2057)	1:73:A:GLU:HB2	1:74:A:PHE:HA	2	0.2
(1,2040)	1:48:B:ILE:HD13	1:42:B:ALA:HA	19	0.2
(1,2039)	1:48:A:ILE:HD13	1:42:A:ALA:HA	19	0.2
(1,1853)	1:54:A:ILE:H	1:55:A:ASP:HB2	5	0.2
(1,1853)	1:54:A:ILE:H	1:55:A:ASP:HB2	17	0.2
(1,1852)	1:75:B:ILE:H	1:75:B:ILE:HG21	3	0.2
(1,1851)	1:75:A:ILE:H	1:75:A:ILE:HG21	3	0.2
(1,1850)	1:54:B:ILE:H	1:53:B:VAL:HG12	10	0.2
(1,1850)	1:54:B:ILE:H	1:53:B:VAL:HG11	15	0.2
(1,1823)	1:11:A:ILE:H	1:6:A:GLU:HA	9	0.2
(1,1822)	1:41:B:LEU:H	1:48:B:ILE:HG12	3	0.2
(1,1821)	1:41:A:LEU:H	1:48:A:ILE:HG12	3	0.2
(1,1811)	1:44:A:THR:H	1:46:A:LYS:HA	5	0.2
(1,1800)	1:56:B:GLU:H	1:30:B:LYS:HD3	18	0.2
(1,1790)	1:36:B:LEU:H	1:34:B:LYS:HB3	13	0.2
(1,1789)	1:36:A:LEU:H	1:34:A:LYS:HB3	13	0.2
(1,1734)	1:36:B:LEU:HD22	1:8:A:LEU:HD13	3	0.2
(1,1723)	1:80:A:ILE:HG22	1:8:B:LEU:HD12	14	0.2
(1,1711)	1:83:A:LYS:HD3	1:75:B:ILE:HG21	6	0.2
(1,1688)	1:12:B:VAL:HG23	1:82:A:LEU:HA	19	0.2
(1,1640)	1:85:B:ALA:H	1:12:A:VAL:HG12	8	0.2
(1,1542)	1:44:B:THR:H	1:45:B:ILE:HB	11	0.2
(1,1541)	1:44:A:THR:H	1:45:A:ILE:HB	11	0.2
(1,1440)	1:73:B:GLU:H	1:72:B:GLN:HG2	11	0.2
(1,1440)	1:73:B:GLU:H	1:72:B:GLN:HG2	18	0.2
(1,1439)	1:73:A:GLU:H	1:72:A:GLN:HG2	18	0.2
(1,1358)	1:89:B:THR:H	1:87:B:TYR:HB3	6	0.2
(1,1357)	1:89:A:THR:H	1:87:A:TYR:HB3	6	0.2
(1,730)	1:53:B:VAL:HG22	1:53:B:VAL:HG12	5	0.2
(1,730)	1:53:B:VAL:HG23	1:53:B:VAL:HG12	9	0.2
(1,730)	1:53:B:VAL:HG23	1:53:B:VAL:HG11	14	0.2
(1,729)	1:53:A:VAL:HG22	1:53:A:VAL:HG12	5	0.2
(1,729)	1:53:A:VAL:HG23	1:53:A:VAL:HG12	9	0.2
(1,729)	1:53:A:VAL:HG23	1:53:A:VAL:HG11	14	0.2
(1,662)	1:57:B:ILE:HG12	1:80:B:ILE:HG12	19	0.2
(1,661)	1:57:A:ILE:HG12	1:80:A:ILE:HG12	19	0.2
(1,618)	1:42:B:ALA:HB2	1:43:B:ASN:HB3	11	0.2
(1,598)	1:36:B:LEU:HD21	1:36:B:LEU:HB2	3	0.2
(1,598)	1:36:B:LEU:HD23	1:36:B:LEU:HB2	6	0.2
(1,597)	1:36:A:LEU:HD21	1:36:A:LEU:HB2	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:36:A:LEU:HD23	1:36:A:LEU:HB2	6	0.2
(1,592)	1:42:B:ALA:HB1	1:49:B:LYS:HD3	17	0.2
(1,591)	1:42:A:ALA:HB1	1:49:A:LYS:HD3	17	0.2
(1,561)	1:39:A:LYS:HD2	1:35:A:GLN:HG2	11	0.2
(1,553)	1:75:A:ILE:HD13	1:91:B:LYS:HD3	8	0.2
(1,538)	1:75:B:ILE:HD13	1:75:B:ILE:HB	3	0.2
(1,538)	1:75:B:ILE:HD11	1:75:B:ILE:HB	14	0.2
(1,538)	1:75:B:ILE:HD12	1:75:B:ILE:HB	16	0.2
(1,537)	1:75:A:ILE:HD13	1:75:A:ILE:HB	3	0.2
(1,537)	1:75:A:ILE:HD12	1:75:A:ILE:HB	16	0.2
(1,471)	1:78:A:VAL:HG21	1:11:A:ILE:HB	5	0.2
(1,442)	1:49:B:LYS:HB2	1:53:B:VAL:HB	17	0.2
(1,441)	1:49:A:LYS:HB2	1:53:A:VAL:HB	17	0.2
(1,441)	1:49:A:LYS:HB2	1:53:A:VAL:HB	19	0.2
(1,420)	1:53:B:VAL:HB	1:50:B:ASP:HB2	18	0.2
(1,419)	1:53:A:VAL:HB	1:50:A:ASP:HB2	18	0.2
(1,397)	1:12:A:VAL:HA	1:86:B:HIS:HB3	16	0.2
(1,351)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	18	0.2
(1,212)	1:36:B:LEU:HD12	1:33:B:LEU:HA	20	0.2
(1,204)	1:80:B:ILE:HD12	1:76:B:SER:HA	12	0.2
(1,204)	1:80:B:ILE:HD13	1:76:B:SER:HA	15	0.2
(1,203)	1:80:A:ILE:HD13	1:76:A:SER:HA	6	0.2
(1,203)	1:80:A:ILE:HD12	1:76:A:SER:HA	12	0.2
(1,202)	1:36:B:LEU:HD23	1:33:B:LEU:HA	8	0.2
(1,202)	1:36:B:LEU:HD23	1:33:B:LEU:HA	10	0.2
(1,201)	1:36:A:LEU:HD23	1:33:A:LEU:HA	8	0.2
(1,36)	1:90:B:HIS:H	1:89:B:THR:HB	6	0.2
(1,35)	1:90:A:HIS:H	1:89:A:THR:HB	6	0.2
(2,125)	1:63:A:ALA:H	1:64:A:ASN:HB3	17	0.19
(2,58)	1:32:B:GLU:HB2	1:35:B:GLN:HB2	2	0.19
(2,57)	1:32:A:GLU:HB2	1:35:A:GLN:HB2	2	0.19
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG23	8	0.19
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG23	8	0.19
(1,3748)	1:30:B:LYS:H	1:30:B:LYS:HD2	9	0.19
(1,3747)	1:30:A:LYS:H	1:30:A:LYS:HD2	5	0.19
(1,3728)	1:55:B:ASP:H	1:53:B:VAL:HG12	3	0.19
(1,3728)	1:55:B:ASP:H	1:57:B:ILE:HG13	19	0.19
(1,3728)	1:55:B:ASP:H	1:57:B:ILE:HG13	20	0.19
(1,3727)	1:55:A:ASP:H	1:53:A:VAL:HG12	3	0.19
(1,3727)	1:55:A:ASP:H	1:57:A:ILE:HG13	19	0.19
(1,3727)	1:55:A:ASP:H	1:57:A:ILE:HG13	20	0.19
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG11	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD12	20	0.19
(1,3696)	1:8:B:LEU:H	1:44:A:THR:HG23	4	0.19
(1,3695)	1:8:A:LEU:H	1:44:B:THR:HG23	4	0.19
(1,3680)	1:54:B:ILE:H	1:54:B:ILE:HD13	1	0.19
(1,3679)	1:54:A:ILE:H	1:54:A:ILE:HD13	1	0.19
(1,3664)	1:47:B:ASN:H	1:46:B:LYS:HG3	20	0.19
(1,3663)	1:47:A:ASN:H	1:46:A:LYS:HG3	15	0.19
(1,3640)	1:56:B:GLU:H	1:52:B:ALA:HB2	13	0.19
(1,3640)	1:56:B:GLU:H	1:52:B:ALA:HB3	17	0.19
(1,3639)	1:12:A:VAL:H	1:85:B:ALA:HB3	4	0.19
(1,3639)	1:56:A:GLU:H	1:52:A:ALA:HB3	17	0.19
(1,3562)	1:84:B:ALA:H	1:83:B:LYS:HB2	5	0.19
(1,3561)	1:84:A:ALA:H	1:83:A:LYS:HB2	5	0.19
(1,3550)	1:48:B:ILE:H	1:46:B:LYS:HD2	17	0.19
(1,3547)	1:76:A:SER:H	1:73:A:GLU:HB3	18	0.19
(1,3533)	1:50:A:ASP:H	1:46:A:LYS:HD2	11	0.19
(1,3528)	1:49:B:LYS:H	1:46:B:LYS:HD2	10	0.19
(1,3527)	1:49:A:LYS:H	1:46:A:LYS:HD2	7	0.19
(1,3527)	1:49:A:LYS:H	1:46:A:LYS:HD2	10	0.19
(1,3516)	1:39:B:LYS:H	1:39:B:LYS:HB2	1	0.19
(1,3516)	1:39:B:LYS:H	1:39:B:LYS:HB2	9	0.19
(1,3515)	1:39:A:LYS:H	1:39:A:LYS:HB2	9	0.19
(1,3506)	1:18:B:TYR:H	1:40:B:GLU:HG3	17	0.19
(1,3505)	1:18:A:TYR:H	1:40:A:GLU:HG3	17	0.19
(1,3475)	1:57:A:ILE:H	1:56:A:GLU:HG2	8	0.19
(1,3474)	1:55:B:ASP:H	1:53:B:VAL:HB	5	0.19
(1,3473)	1:55:A:ASP:H	1:53:A:VAL:HB	5	0.19
(1,3471)	1:58:A:PHE:H	1:59:A:GLN:HG2	17	0.19
(1,3452)	1:72:B:GLN:H	1:83:A:LYS:HE3	14	0.19
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB2	14	0.19
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB2	18	0.19
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB2	14	0.19
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB2	18	0.19
(1,3414)	1:59:B:GLN:H	1:54:B:ILE:HA	3	0.19
(1,3413)	1:59:A:GLN:H	1:54:A:ILE:HA	3	0.19
(1,3350)	1:48:B:ILE:H	1:46:B:LYS:HA	15	0.19
(1,3349)	1:48:A:ILE:H	1:46:A:LYS:HA	8	0.19
(1,3335)	1:51:A:LYS:H	1:52:A:ALA:HA	17	0.19
(1,3334)	1:69:B:VAL:H	1:29:B:SER:HB3	2	0.19
(1,3333)	1:69:A:VAL:H	1:29:A:SER:HB3	2	0.19
(1,3310)	1:54:B:ILE:H	1:49:B:LYS:H	15	0.19
(1,3310)	1:54:B:ILE:H	1:49:B:LYS:H	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3309)	1:54:A:ILE:H	1:49:A:LYS:H	15	0.19
(1,3309)	1:54:A:ILE:H	1:49:A:LYS:H	20	0.19
(1,3298)	1:75:B:ILE:H	1:72:B:GLN:H	5	0.19
(1,3298)	1:75:B:ILE:H	1:72:B:GLN:H	20	0.19
(1,3297)	1:75:A:ILE:H	1:72:A:GLN:H	5	0.19
(1,3297)	1:75:A:ILE:H	1:72:A:GLN:H	18	0.19
(1,3297)	1:75:A:ILE:H	1:72:A:GLN:H	20	0.19
(1,3284)	1:68:B:GLN:H	1:64:B:ASN:H	19	0.19
(1,3264)	1:12:B:VAL:H	1:10:B:GLY:H	8	0.19
(1,3264)	1:12:B:VAL:H	1:10:B:GLY:H	19	0.19
(1,3263)	1:12:A:VAL:H	1:10:A:GLY:H	8	0.19
(1,3263)	1:12:A:VAL:H	1:10:A:GLY:H	19	0.19
(1,3236)	1:12:B:VAL:H	1:14:B:ILE:H	1	0.19
(1,3235)	1:12:A:VAL:H	1:14:A:ILE:H	1	0.19
(1,3168)	1:75:B:ILE:HG23	1:76:B:SER:HA	12	0.19
(1,3167)	1:75:A:ILE:HG23	1:76:A:SER:HA	12	0.19
(1,3160)	1:48:B:ILE:HG23	1:49:B:LYS:HG2	6	0.19
(1,3159)	1:48:A:ILE:HG23	1:49:A:LYS:HG2	6	0.19
(1,3159)	1:48:A:ILE:HG22	1:49:A:LYS:HG2	10	0.19
(1,3140)	1:12:B:VAL:HG22	1:9:B:GLU:HG3	4	0.19
(1,3139)	1:12:A:VAL:HG22	1:9:A:GLU:HG3	4	0.19
(1,3116)	1:8:B:LEU:HG	1:6:B:GLU:HA	13	0.19
(1,3115)	1:8:A:LEU:HG	1:6:A:GLU:HA	13	0.19
(1,3114)	1:8:B:LEU:HG	1:6:B:GLU:HA	13	0.19
(1,3113)	1:8:A:LEU:HG	1:6:A:GLU:HA	13	0.19
(1,3054)	1:86:B:HIS:HB3	1:12:A:VAL:HG12	4	0.19
(1,3054)	1:86:B:HIS:HB3	1:12:A:VAL:HG13	10	0.19
(1,3053)	1:86:A:HIS:HB3	1:12:B:VAL:HG12	4	0.19
(1,3053)	1:86:A:HIS:HB3	1:12:B:VAL:HG13	10	0.19
(1,3038)	1:35:B:GLN:HB3	1:36:B:LEU:HG	17	0.19
(1,3037)	1:35:A:GLN:HB3	1:36:A:LEU:HG	17	0.19
(1,2990)	1:32:B:GLU:HB2	1:33:B:LEU:HD11	9	0.19
(1,2989)	1:32:A:GLU:HB2	1:33:A:LEU:HD11	9	0.19
(1,2984)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	16	0.19
(1,2983)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	16	0.19
(1,2932)	1:45:B:ILE:HG13	1:81:B:ALA:HA	16	0.19
(1,2884)	1:83:B:LYS:HG2	1:82:B:LEU:HB2	13	0.19
(1,2883)	1:83:A:LYS:HG2	1:82:A:LEU:HB2	13	0.19
(1,2860)	1:53:B:VAL:HG13	1:46:B:LYS:HG3	9	0.19
(1,2859)	1:53:A:VAL:HG13	1:46:A:LYS:HG3	9	0.19
(1,2859)	1:53:A:VAL:HG12	1:46:A:LYS:HG3	13	0.19
(1,2816)	1:51:B:LYS:HG2	1:51:B:LYS:HG3	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2816)	1:51:B:LYS:HG2	1:51:B:LYS:HG3	2	0.19
(1,2816)	1:51:B:LYS:HG2	1:51:B:LYS:HG3	3	0.19
(1,2816)	1:51:B:LYS:HG2	1:51:B:LYS:HG3	4	0.19
(1,2816)	1:51:B:LYS:HG2	1:51:B:LYS:HG3	5	0.19
(1,2816)	1:51:B:LYS:HG2	1:51:B:LYS:HG3	6	0.19
(1,2816)	1:51:B:LYS:HG2	1:51:B:LYS:HG3	7	0.19
(1,2816)	1:51:B:LYS:HG2	1:51:B:LYS:HG3	8	0.19
(1,2816)	1:51:B:LYS:HG2	1:51:B:LYS:HG3	9	0.19
(1,2816)	1:51:B:LYS:HG2	1:51:B:LYS:HG3	10	0.19
(1,2816)	1:51:B:LYS:HG2	1:51:B:LYS:HG3	11	0.19
(1,2816)	1:51:B:LYS:HG2	1:51:B:LYS:HG3	12	0.19
(1,2816)	1:51:B:LYS:HG2	1:51:B:LYS:HG3	13	0.19
(1,2816)	1:51:B:LYS:HG2	1:51:B:LYS:HG3	14	0.19
(1,2816)	1:51:B:LYS:HG2	1:51:B:LYS:HG3	15	0.19
(1,2816)	1:51:B:LYS:HG2	1:51:B:LYS:HG3	16	0.19
(1,2816)	1:51:B:LYS:HG2	1:51:B:LYS:HG3	17	0.19
(1,2816)	1:51:B:LYS:HG2	1:51:B:LYS:HG3	18	0.19
(1,2816)	1:51:B:LYS:HG2	1:51:B:LYS:HG3	19	0.19
(1,2816)	1:51:B:LYS:HG2	1:51:B:LYS:HG3	20	0.19
(1,2815)	1:51:A:LYS:HG2	1:51:A:LYS:HG3	1	0.19
(1,2815)	1:51:A:LYS:HG2	1:51:A:LYS:HG3	2	0.19
(1,2815)	1:51:A:LYS:HG2	1:51:A:LYS:HG3	3	0.19
(1,2815)	1:51:A:LYS:HG2	1:51:A:LYS:HG3	4	0.19
(1,2815)	1:51:A:LYS:HG2	1:51:A:LYS:HG3	5	0.19
(1,2815)	1:51:A:LYS:HG2	1:51:A:LYS:HG3	6	0.19
(1,2815)	1:51:A:LYS:HG2	1:51:A:LYS:HG3	7	0.19
(1,2815)	1:51:A:LYS:HG2	1:51:A:LYS:HG3	8	0.19
(1,2815)	1:51:A:LYS:HG2	1:51:A:LYS:HG3	9	0.19
(1,2815)	1:51:A:LYS:HG2	1:51:A:LYS:HG3	10	0.19
(1,2815)	1:51:A:LYS:HG2	1:51:A:LYS:HG3	11	0.19
(1,2815)	1:51:A:LYS:HG2	1:51:A:LYS:HG3	12	0.19
(1,2815)	1:51:A:LYS:HG2	1:51:A:LYS:HG3	13	0.19
(1,2815)	1:51:A:LYS:HG2	1:51:A:LYS:HG3	14	0.19
(1,2815)	1:51:A:LYS:HG2	1:51:A:LYS:HG3	15	0.19
(1,2815)	1:51:A:LYS:HG2	1:51:A:LYS:HG3	16	0.19
(1,2815)	1:51:A:LYS:HG2	1:51:A:LYS:HG3	17	0.19
(1,2815)	1:51:A:LYS:HG2	1:51:A:LYS:HG3	18	0.19
(1,2815)	1:51:A:LYS:HG2	1:51:A:LYS:HG3	19	0.19
(1,2815)	1:51:A:LYS:HG2	1:51:A:LYS:HG3	20	0.19
(1,2794)	1:85:B:ALA:HB3	1:85:B:ALA:HA	1	0.19
(1,2794)	1:85:B:ALA:HB1	1:85:B:ALA:HA	16	0.19
(1,2794)	1:85:B:ALA:HB3	1:85:B:ALA:HA	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2793)	1:85:A:ALA:HB3	1:85:A:ALA:HA	1	0.19
(1,2793)	1:85:A:ALA:HB1	1:85:A:ALA:HA	16	0.19
(1,2793)	1:85:A:ALA:HB3	1:85:A:ALA:HA	19	0.19
(1,2780)	1:84:B:ALA:HB1	1:44:B:THR:HA	6	0.19
(1,2779)	1:42:A:ALA:HB1	1:38:A:THR:HA	6	0.19
(1,2758)	1:80:B:ILE:HD12	1:91:B:LYS:HD2	16	0.19
(1,2757)	1:80:A:ILE:HD12	1:91:A:LYS:HD2	16	0.19
(1,2724)	1:84:B:ALA:HB2	1:91:B:LYS:HD3	11	0.19
(1,2723)	1:84:A:ALA:HB2	1:91:A:LYS:HD3	11	0.19
(1,2704)	1:91:B:LYS:HD3	1:91:B:LYS:HE2	1	0.19
(1,2704)	1:91:B:LYS:HD3	1:91:B:LYS:HE2	4	0.19
(1,2704)	1:91:B:LYS:HD3	1:91:B:LYS:HE2	13	0.19
(1,2703)	1:91:A:LYS:HD3	1:91:A:LYS:HE2	1	0.19
(1,2703)	1:91:A:LYS:HD3	1:91:A:LYS:HE2	4	0.19
(1,2703)	1:91:A:LYS:HD3	1:91:A:LYS:HE2	13	0.19
(1,2698)	1:45:B:ILE:HB	1:48:B:ILE:HA	1	0.19
(1,2698)	1:45:B:ILE:HB	1:48:B:ILE:HA	3	0.19
(1,2697)	1:45:A:ILE:HB	1:48:A:ILE:HA	1	0.19
(1,2697)	1:45:A:ILE:HB	1:48:A:ILE:HA	3	0.19
(1,2664)	1:8:B:LEU:HD11	1:41:A:LEU:HB3	11	0.19
(1,2663)	1:8:A:LEU:HD11	1:41:B:LEU:HB3	11	0.19
(1,2602)	1:42:B:ALA:HA	1:48:B:ILE:HB	20	0.19
(1,2601)	1:42:A:ALA:HA	1:48:A:ILE:HB	18	0.19
(1,2601)	1:42:A:ALA:HA	1:48:A:ILE:HB	20	0.19
(1,2570)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	12	0.19
(1,2569)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	12	0.19
(1,2564)	1:87:B:TYR:HB3	1:83:B:LYS:HB2	2	0.19
(1,2564)	1:13:B:ASN:HB2	1:9:B:GLU:HB3	9	0.19
(1,2563)	1:87:A:TYR:HB3	1:83:A:LYS:HB2	2	0.19
(1,2560)	1:39:B:LYS:HE3	1:39:B:LYS:HB3	17	0.19
(1,2559)	1:39:A:LYS:HE3	1:39:A:LYS:HB3	17	0.19
(1,2548)	1:82:B:LEU:HG	1:78:B:VAL:HB	19	0.19
(1,2547)	1:82:A:LEU:HG	1:78:A:VAL:HB	19	0.19
(1,2546)	1:36:B:LEU:HD21	1:33:B:LEU:HB2	7	0.19
(1,2545)	1:36:A:LEU:HD21	1:33:A:LEU:HB2	7	0.19
(1,2530)	1:53:B:VAL:HG13	1:46:B:LYS:HD2	3	0.19
(1,2520)	1:8:B:LEU:HB2	1:7:B:HIS:HB2	17	0.19
(1,2519)	1:8:A:LEU:HB2	1:7:A:HIS:HB2	12	0.19
(1,2519)	1:8:A:LEU:HB2	1:7:A:HIS:HB2	17	0.19
(1,2514)	1:47:B:ASN:HB3	1:46:B:LYS:HD2	14	0.19
(1,2513)	1:47:A:ASN:HB3	1:46:A:LYS:HD2	14	0.19
(1,2508)	1:10:B:GLY:HA3	1:9:B:GLU:HB3	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2507)	1:10:A:GLY:HA3	1:9:A:GLU:HB3	20	0.19
(1,2496)	1:32:B:GLU:HG2	1:35:B:GLN:HB2	13	0.19
(1,2496)	1:32:B:GLU:HG2	1:35:B:GLN:HB2	15	0.19
(1,2488)	1:72:B:GLN:HB3	1:72:B:GLN:HG2	5	0.19
(1,2487)	1:72:A:GLN:HB3	1:72:A:GLN:HG2	5	0.19
(1,2474)	1:32:B:GLU:HG3	1:31:B:GLY:HA3	16	0.19
(1,2473)	1:32:A:GLU:HG3	1:31:A:GLY:HA3	16	0.19
(1,2442)	1:30:B:LYS:HA	1:32:B:GLU:HG3	6	0.19
(1,2441)	1:30:A:LYS:HA	1:32:A:GLU:HG3	6	0.19
(1,2419)	1:67:A:GLU:HG2	1:59:A:GLN:HA	6	0.19
(1,2388)	1:12:B:VAL:HB	1:13:B:ASN:HB2	5	0.19
(1,2387)	1:12:A:VAL:HB	1:13:A:ASN:HB2	5	0.19
(1,2387)	1:12:A:VAL:HB	1:13:A:ASN:HB2	6	0.19
(1,2375)	1:56:A:GLU:HG2	1:56:A:GLU:HA	7	0.19
(1,2338)	1:58:B:PHE:HB2	1:30:B:LYS:HE2	13	0.19
(1,2337)	1:58:A:PHE:HB2	1:30:A:LYS:HE2	13	0.19
(1,2316)	1:32:B:GLU:HG2	1:35:B:GLN:HB2	13	0.19
(1,2316)	1:32:B:GLU:HG2	1:35:B:GLN:HB2	15	0.19
(1,2314)	1:54:B:ILE:HB	1:55:B:ASP:HB2	6	0.19
(1,2265)	1:53:A:VAL:HG11	1:50:A:ASP:HB2	2	0.19
(1,2264)	1:88:B:HIS:HB2	1:86:B:HIS:HB2	1	0.19
(1,2263)	1:88:A:HIS:HB2	1:86:A:HIS:HB2	1	0.19
(1,2263)	1:88:A:HIS:HB2	1:86:A:HIS:HB2	8	0.19
(1,2256)	1:52:B:ALA:HB1	1:50:B:ASP:HB2	7	0.19
(1,2240)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	8	0.19
(1,2239)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	20	0.19
(1,2220)	1:49:B:LYS:HD3	1:49:B:LYS:HE2	17	0.19
(1,2220)	1:49:B:LYS:HD3	1:49:B:LYS:HE2	19	0.19
(1,2219)	1:49:A:LYS:HD3	1:49:A:LYS:HE2	17	0.19
(1,2219)	1:49:A:LYS:HD3	1:49:A:LYS:HE2	19	0.19
(1,2210)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	8	0.19
(1,2209)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	20	0.19
(1,2186)	1:46:B:LYS:HA	1:47:B:ASN:HB2	7	0.19
(1,2185)	1:46:A:LYS:HA	1:47:A:ASN:HB2	7	0.19
(1,2168)	1:86:B:HIS:HA	1:88:B:HIS:HB3	6	0.19
(1,2167)	1:86:A:HIS:HA	1:88:A:HIS:HB3	6	0.19
(1,2164)	1:51:B:LYS:HE2	1:58:B:PHE:HB2	17	0.19
(1,2163)	1:51:A:LYS:HE2	1:58:A:PHE:HB2	17	0.19
(1,2150)	1:67:B:GLU:HA	1:30:B:LYS:HA	15	0.19
(1,2149)	1:67:A:GLU:HA	1:30:A:LYS:HA	15	0.19
(1,2107)	1:61:A:LEU:HD23	1:76:A:SER:HB3	4	0.19
(1,2102)	1:37:B:LEU:HD23	1:74:B:PHE:HA	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2101)	1:37:A:LEU:HD23	1:74:A:PHE:HA	11	0.19
(1,2058)	1:73:B:GLU:HB2	1:74:B:PHE:HA	2	0.19
(1,2058)	1:73:B:GLU:HB2	1:74:B:PHE:HA	14	0.19
(1,2057)	1:73:A:GLU:HB2	1:74:A:PHE:HA	12	0.19
(1,2057)	1:73:A:GLU:HB2	1:74:A:PHE:HA	14	0.19
(1,2032)	1:12:B:VAL:HG21	1:82:A:LEU:HA	2	0.19
(1,2032)	1:12:B:VAL:HG23	1:86:A:HIS:HA	11	0.19
(1,2031)	1:12:A:VAL:HG21	1:82:B:LEU:HA	2	0.19
(1,2031)	1:12:A:VAL:HG23	1:86:B:HIS:HA	11	0.19
(1,1992)	1:42:B:ALA:HB1	1:42:B:ALA:HA	4	0.19
(1,1992)	1:42:B:ALA:HB1	1:42:B:ALA:HA	10	0.19
(1,1992)	1:42:B:ALA:HB1	1:42:B:ALA:HA	16	0.19
(1,1991)	1:42:A:ALA:HB1	1:42:A:ALA:HA	10	0.19
(1,1991)	1:42:A:ALA:HB1	1:42:A:ALA:HA	16	0.19
(1,1991)	1:42:A:ALA:HB1	1:42:A:ALA:HA	17	0.19
(1,1916)	1:30:B:LYS:HE3	1:55:B:ASP:HA	2	0.19
(1,1915)	1:30:A:LYS:HE3	1:55:A:ASP:HA	2	0.19
(1,1854)	1:54:B:ILE:H	1:55:B:ASP:HB2	17	0.19
(1,1852)	1:75:B:ILE:H	1:75:B:ILE:HG23	12	0.19
(1,1852)	1:75:B:ILE:H	1:75:B:ILE:HG22	13	0.19
(1,1852)	1:75:B:ILE:H	1:75:B:ILE:HG21	16	0.19
(1,1852)	1:75:B:ILE:H	1:75:B:ILE:HG23	19	0.19
(1,1851)	1:75:A:ILE:H	1:75:A:ILE:HG23	12	0.19
(1,1851)	1:75:A:ILE:H	1:75:A:ILE:HG22	13	0.19
(1,1851)	1:75:A:ILE:H	1:75:A:ILE:HG21	16	0.19
(1,1851)	1:75:A:ILE:H	1:75:A:ILE:HG23	19	0.19
(1,1849)	1:54:A:ILE:H	1:53:A:VAL:HG11	15	0.19
(1,1799)	1:56:A:GLU:H	1:30:A:LYS:HD3	18	0.19
(1,1738)	1:75:B:ILE:HG21	1:82:A:LEU:HD11	10	0.19
(1,1733)	1:36:A:LEU:HD22	1:8:B:LEU:HD13	3	0.19
(1,1724)	1:80:B:ILE:HG22	1:8:A:LEU:HD12	14	0.19
(1,1573)	1:32:A:GLU:H	1:33:A:LEU:HB3	12	0.19
(1,1560)	1:77:B:LEU:H	1:61:B:LEU:HB2	7	0.19
(1,1559)	1:77:A:LEU:H	1:61:A:LEU:HB2	7	0.19
(1,1542)	1:44:B:THR:H	1:45:B:ILE:HB	2	0.19
(1,1541)	1:44:A:THR:H	1:45:A:ILE:HB	2	0.19
(1,1454)	1:35:B:GLN:H	1:35:B:GLN:HG3	1	0.19
(1,1454)	1:35:B:GLN:H	1:35:B:GLN:HG3	6	0.19
(1,1454)	1:35:B:GLN:H	1:35:B:GLN:HG3	18	0.19
(1,1453)	1:35:A:GLN:H	1:35:A:GLN:HG3	1	0.19
(1,1453)	1:35:A:GLN:H	1:35:A:GLN:HG3	6	0.19
(1,1453)	1:35:A:GLN:H	1:35:A:GLN:HG3	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1440)	1:73:B:GLU:H	1:72:B:GLN:HG2	7	0.19
(1,1440)	1:73:B:GLU:H	1:72:B:GLN:HG2	8	0.19
(1,1440)	1:73:B:GLU:H	1:72:B:GLN:HG2	17	0.19
(1,1439)	1:73:A:GLU:H	1:72:A:GLN:HG2	7	0.19
(1,1439)	1:73:A:GLU:H	1:72:A:GLN:HG2	8	0.19
(1,1439)	1:73:A:GLU:H	1:72:A:GLN:HG2	11	0.19
(1,1439)	1:73:A:GLU:H	1:72:A:GLN:HG2	14	0.19
(1,1439)	1:73:A:GLU:H	1:72:A:GLN:HG2	17	0.19
(1,1098)	1:54:B:ILE:H	1:50:B:ASP:HA	16	0.19
(1,1097)	1:54:A:ILE:H	1:50:A:ASP:HA	16	0.19
(1,1085)	1:46:A:LYS:H	1:90:A:HIS:HA	10	0.19
(1,730)	1:53:B:VAL:HG22	1:53:B:VAL:HG11	2	0.19
(1,730)	1:53:B:VAL:HG23	1:53:B:VAL:HG11	11	0.19
(1,729)	1:53:A:VAL:HG22	1:53:A:VAL:HG11	2	0.19
(1,729)	1:53:A:VAL:HG23	1:53:A:VAL:HG11	11	0.19
(1,700)	1:37:B:LEU:HD23	1:48:B:ILE:HG13	5	0.19
(1,699)	1:37:A:LEU:HD23	1:48:A:ILE:HG13	5	0.19
(1,617)	1:42:A:ALA:HB2	1:43:A:ASN:HB3	11	0.19
(1,598)	1:36:B:LEU:HD21	1:36:B:LEU:HB2	7	0.19
(1,598)	1:36:B:LEU:HD21	1:36:B:LEU:HB2	11	0.19
(1,598)	1:36:B:LEU:HD21	1:36:B:LEU:HB2	19	0.19
(1,597)	1:36:A:LEU:HD21	1:36:A:LEU:HB2	7	0.19
(1,597)	1:36:A:LEU:HD21	1:36:A:LEU:HB2	19	0.19
(1,592)	1:42:B:ALA:HB3	1:49:B:LYS:HD3	1	0.19
(1,591)	1:42:A:ALA:HB3	1:49:A:LYS:HD3	1	0.19
(1,572)	1:49:B:LYS:HB3	1:49:B:LYS:HD2	12	0.19
(1,572)	1:49:B:LYS:HB3	1:49:B:LYS:HD2	20	0.19
(1,571)	1:49:A:LYS:HB3	1:49:A:LYS:HD2	12	0.19
(1,571)	1:49:A:LYS:HB3	1:49:A:LYS:HD2	20	0.19
(1,472)	1:78:B:VAL:HG21	1:11:B:ILE:HB	5	0.19
(1,472)	1:78:B:VAL:HG23	1:11:B:ILE:HB	16	0.19
(1,471)	1:78:A:VAL:HG23	1:11:A:ILE:HB	16	0.19
(1,442)	1:49:B:LYS:HB2	1:53:B:VAL:HB	6	0.19
(1,442)	1:49:B:LYS:HB2	1:53:B:VAL:HB	12	0.19
(1,442)	1:49:B:LYS:HB2	1:53:B:VAL:HB	18	0.19
(1,441)	1:49:A:LYS:HB2	1:53:A:VAL:HB	12	0.19
(1,441)	1:49:A:LYS:HB2	1:53:A:VAL:HB	18	0.19
(1,398)	1:12:B:VAL:HA	1:86:A:HIS:HB3	16	0.19
(1,388)	1:36:B:LEU:HD11	1:36:B:LEU:HA	10	0.19
(1,388)	1:36:B:LEU:HD13	1:36:B:LEU:HA	13	0.19
(1,387)	1:36:A:LEU:HD11	1:36:A:LEU:HA	10	0.19
(1,387)	1:36:A:LEU:HD13	1:36:A:LEU:HA	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:36:B:LEU:HD23	1:36:B:LEU:HA	11	0.19
(1,385)	1:36:A:LEU:HD23	1:36:A:LEU:HA	11	0.19
(1,352)	1:30:B:LYS:HE3	1:51:B:LYS:HE2	17	0.19
(1,352)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	18	0.19
(1,352)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	20	0.19
(1,351)	1:30:A:LYS:HE3	1:51:A:LYS:HE2	17	0.19
(1,351)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	20	0.19
(1,343)	1:83:A:LYS:HE3	1:87:A:TYR:HB2	15	0.19
(1,332)	1:46:B:LYS:HE3	1:47:B:ASN:HB2	2	0.19
(1,331)	1:46:A:LYS:HE3	1:47:A:ASN:HB2	2	0.19
(1,330)	1:51:B:LYS:HE2	1:58:B:PHE:HB2	17	0.19
(1,329)	1:51:A:LYS:HE2	1:58:A:PHE:HB2	17	0.19
(1,296)	1:83:B:LYS:HB3	1:80:B:ILE:HA	3	0.19
(1,295)	1:83:A:LYS:HB3	1:80:A:ILE:HA	3	0.19
(1,290)	1:53:B:VAL:HG13	1:53:B:VAL:HA	17	0.19
(1,289)	1:53:A:VAL:HG13	1:53:A:VAL:HA	17	0.19
(1,212)	1:36:B:LEU:HD12	1:33:B:LEU:HA	13	0.19
(1,211)	1:36:A:LEU:HD12	1:33:A:LEU:HA	13	0.19
(1,211)	1:36:A:LEU:HD12	1:33:A:LEU:HA	20	0.19
(1,204)	1:80:B:ILE:HD11	1:76:B:SER:HA	2	0.19
(1,204)	1:80:B:ILE:HD11	1:76:B:SER:HA	7	0.19
(1,203)	1:80:A:ILE:HD11	1:76:A:SER:HA	2	0.19
(1,203)	1:80:A:ILE:HD11	1:76:A:SER:HA	7	0.19
(1,203)	1:80:A:ILE:HD13	1:76:A:SER:HA	15	0.19
(1,201)	1:36:A:LEU:HD23	1:33:A:LEU:HA	10	0.19
(1,84)	1:75:B:ILE:H	1:75:B:ILE:HD13	3	0.19
(1,83)	1:75:A:ILE:H	1:75:A:ILE:HD13	3	0.19
(1,83)	1:75:A:ILE:H	1:75:A:ILE:HD11	13	0.19
(1,82)	1:49:B:LYS:H	1:47:B:ASN:HB3	8	0.19
(1,64)	1:49:B:LYS:HG2	1:50:B:ASP:H	11	0.19
(1,63)	1:49:A:LYS:HG2	1:50:A:ASP:H	11	0.19
(2,128)	1:18:B:TYR:H	1:36:B:LEU:HA	13	0.18
(2,127)	1:18:A:TYR:H	1:36:A:LEU:HA	13	0.18
(1,3826)	1:30:B:LYS:H	1:30:B:LYS:HG2	14	0.18
(1,3825)	1:30:A:LYS:H	1:30:A:LYS:HG2	14	0.18
(1,3802)	1:10:B:GLY:H	1:12:B:VAL:HG22	1	0.18
(1,3801)	1:10:A:GLY:H	1:12:A:VAL:HG22	1	0.18
(1,3788)	1:45:B:ILE:H	1:48:B:ILE:HG23	16	0.18
(1,3774)	1:55:B:ASP:H	1:54:B:ILE:HG21	9	0.18
(1,3773)	1:55:A:ASP:H	1:54:A:ILE:HG21	9	0.18
(1,3769)	1:54:A:ILE:H	1:48:A:ILE:HD11	10	0.18
(1,3748)	1:30:B:LYS:H	1:30:B:LYS:HD2	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3747)	1:30:A:LYS:H	1:30:A:LYS:HD2	9	0.18
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG12	3	0.18
(1,3718)	1:58:B:PHE:H	1:53:B:VAL:HG11	5	0.18
(1,3717)	1:58:A:PHE:H	1:53:A:VAL:HG12	3	0.18
(1,3716)	1:15:B:PHE:H	1:36:B:LEU:HG	18	0.18
(1,3715)	1:15:A:PHE:H	1:36:A:LEU:HG	18	0.18
(1,3700)	1:84:B:ALA:H	1:44:B:THR:HG23	7	0.18
(1,3699)	1:84:A:ALA:H	1:44:A:THR:HG23	7	0.18
(1,3698)	1:46:B:LYS:H	1:45:B:ILE:HG13	4	0.18
(1,3697)	1:46:A:LYS:H	1:45:A:ILE:HG13	4	0.18
(1,3696)	1:8:B:LEU:H	1:44:A:THR:HG21	9	0.18
(1,3693)	1:75:A:ILE:H	1:83:B:LYS:HG2	14	0.18
(1,3692)	1:75:B:ILE:H	1:61:B:LEU:HB3	6	0.18
(1,3691)	1:75:A:ILE:H	1:61:A:LEU:HB3	6	0.18
(1,3690)	1:57:B:ILE:H	1:80:B:ILE:HG12	8	0.18
(1,3689)	1:57:A:ILE:H	1:80:A:ILE:HG12	8	0.18
(1,3680)	1:54:B:ILE:H	1:54:B:ILE:HD13	18	0.18
(1,3679)	1:54:A:ILE:H	1:54:A:ILE:HD13	18	0.18
(1,3671)	1:48:A:ILE:H	1:49:A:LYS:HG2	14	0.18
(1,3663)	1:47:A:ASN:H	1:46:A:LYS:HG3	20	0.18
(1,3640)	1:12:B:VAL:H	1:85:A:ALA:HB3	4	0.18
(1,3639)	1:56:A:GLU:H	1:52:A:ALA:HB2	13	0.18
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB3	14	0.18
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB3	14	0.18
(1,3606)	1:41:B:LEU:H	1:39:B:LYS:HG2	11	0.18
(1,3606)	1:41:B:LEU:H	1:39:B:LYS:HG2	17	0.18
(1,3605)	1:41:A:LEU:H	1:39:A:LYS:HG2	11	0.18
(1,3605)	1:41:A:LEU:H	1:39:A:LYS:HG2	17	0.18
(1,3590)	1:90:B:HIS:H	1:46:B:LYS:HB2	2	0.18
(1,3589)	1:90:A:HIS:H	1:46:A:LYS:HB2	2	0.18
(1,3550)	1:48:B:ILE:H	1:46:B:LYS:HD2	2	0.18
(1,3550)	1:48:B:ILE:H	1:46:B:LYS:HD2	4	0.18
(1,3550)	1:48:B:ILE:H	1:46:B:LYS:HD2	15	0.18
(1,3550)	1:48:B:ILE:H	1:46:B:LYS:HD2	20	0.18
(1,3549)	1:48:A:ILE:H	1:46:A:LYS:HD2	2	0.18
(1,3549)	1:48:A:ILE:H	1:46:A:LYS:HD2	4	0.18
(1,3549)	1:48:A:ILE:H	1:46:A:LYS:HD2	15	0.18
(1,3549)	1:48:A:ILE:H	1:46:A:LYS:HD2	20	0.18
(1,3548)	1:76:B:SER:H	1:73:B:GLU:HB3	7	0.18
(1,3548)	1:76:B:SER:H	1:73:B:GLU:HB3	18	0.18
(1,3548)	1:76:B:SER:H	1:73:B:GLU:HB3	19	0.18
(1,3547)	1:76:A:SER:H	1:73:A:GLU:HB3	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3547)	1:76:A:SER:H	1:73:A:GLU:HB3	19	0.18
(1,3534)	1:50:B:ASP:H	1:46:B:LYS:HD2	11	0.18
(1,3528)	1:49:B:LYS:H	1:46:B:LYS:HD2	7	0.18
(1,3528)	1:49:B:LYS:H	1:46:B:LYS:HD2	14	0.18
(1,3527)	1:49:A:LYS:H	1:46:A:LYS:HD2	14	0.18
(1,3516)	1:39:B:LYS:H	1:39:B:LYS:HB2	3	0.18
(1,3516)	1:39:B:LYS:H	1:39:B:LYS:HB2	5	0.18
(1,3516)	1:39:B:LYS:H	1:39:B:LYS:HB2	8	0.18
(1,3516)	1:39:B:LYS:H	1:39:B:LYS:HB2	11	0.18
(1,3516)	1:39:B:LYS:H	1:39:B:LYS:HB2	14	0.18
(1,3516)	1:39:B:LYS:H	1:39:B:LYS:HB2	16	0.18
(1,3516)	1:39:B:LYS:H	1:39:B:LYS:HB2	17	0.18
(1,3516)	1:39:B:LYS:H	1:39:B:LYS:HB2	18	0.18
(1,3516)	1:39:B:LYS:H	1:39:B:LYS:HB2	19	0.18
(1,3516)	1:39:B:LYS:H	1:39:B:LYS:HB2	20	0.18
(1,3515)	1:39:A:LYS:H	1:39:A:LYS:HB2	1	0.18
(1,3515)	1:39:A:LYS:H	1:39:A:LYS:HB2	3	0.18
(1,3515)	1:39:A:LYS:H	1:39:A:LYS:HB2	5	0.18
(1,3515)	1:39:A:LYS:H	1:39:A:LYS:HB2	8	0.18
(1,3515)	1:39:A:LYS:H	1:39:A:LYS:HB2	11	0.18
(1,3515)	1:39:A:LYS:H	1:39:A:LYS:HB2	14	0.18
(1,3515)	1:39:A:LYS:H	1:39:A:LYS:HB2	16	0.18
(1,3515)	1:39:A:LYS:H	1:39:A:LYS:HB2	17	0.18
(1,3515)	1:39:A:LYS:H	1:39:A:LYS:HB2	19	0.18
(1,3515)	1:39:A:LYS:H	1:39:A:LYS:HB2	20	0.18
(1,3502)	1:67:B:GLU:H	1:66:B:ASP:HB3	4	0.18
(1,3501)	1:67:A:GLU:H	1:66:A:ASP:HB3	4	0.18
(1,3501)	1:67:A:GLU:H	1:66:A:ASP:HB3	11	0.18
(1,3472)	1:58:B:PHE:H	1:59:B:GLN:HG2	17	0.18
(1,3451)	1:72:A:GLN:H	1:83:B:LYS:HE3	12	0.18
(1,3450)	1:92:B:GLU:H	1:90:B:HIS:HB3	18	0.18
(1,3449)	1:92:A:GLU:H	1:90:A:HIS:HB3	18	0.18
(1,3429)	1:56:A:GLU:H	1:51:A:LYS:HE2	8	0.18
(1,3414)	1:59:B:GLN:H	1:54:B:ILE:HA	1	0.18
(1,3414)	1:59:B:GLN:H	1:54:B:ILE:HA	11	0.18
(1,3414)	1:59:B:GLN:H	1:54:B:ILE:HA	13	0.18
(1,3413)	1:59:A:GLN:H	1:54:A:ILE:HA	1	0.18
(1,3413)	1:59:A:GLN:H	1:54:A:ILE:HA	13	0.18
(1,3350)	1:48:B:ILE:H	1:46:B:LYS:HA	7	0.18
(1,3350)	1:48:B:ILE:H	1:46:B:LYS:HA	8	0.18
(1,3350)	1:48:B:ILE:H	1:46:B:LYS:HA	20	0.18
(1,3349)	1:48:A:ILE:H	1:46:A:LYS:HA	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3349)	1:48:A:ILE:H	1:46:A:LYS:HA	15	0.18
(1,3349)	1:48:A:ILE:H	1:46:A:LYS:HA	20	0.18
(1,3336)	1:51:B:LYS:H	1:52:B:ALA:HA	17	0.18
(1,3335)	1:51:A:LYS:H	1:52:A:ALA:HA	16	0.18
(1,3334)	1:69:B:VAL:H	1:29:B:SER:HB3	20	0.18
(1,3312)	1:80:B:ILE:H	1:84:B:ALA:H	3	0.18
(1,3311)	1:80:A:ILE:H	1:84:A:ALA:H	3	0.18
(1,3310)	1:54:B:ILE:H	1:49:B:LYS:H	16	0.18
(1,3309)	1:54:A:ILE:H	1:49:A:LYS:H	16	0.18
(1,3304)	1:80:B:ILE:H	1:84:B:ALA:H	3	0.18
(1,3303)	1:80:A:ILE:H	1:84:A:ALA:H	3	0.18
(1,3298)	1:75:B:ILE:H	1:72:B:GLN:H	4	0.18
(1,3298)	1:75:B:ILE:H	1:72:B:GLN:H	8	0.18
(1,3298)	1:75:B:ILE:H	1:72:B:GLN:H	18	0.18
(1,3297)	1:75:A:ILE:H	1:72:A:GLN:H	4	0.18
(1,3297)	1:75:A:ILE:H	1:72:A:GLN:H	8	0.18
(1,3283)	1:68:A:GLN:H	1:64:A:ASN:H	19	0.18
(1,3168)	1:75:B:ILE:HG23	1:76:B:SER:HA	14	0.18
(1,3167)	1:75:A:ILE:HG23	1:76:A:SER:HA	14	0.18
(1,3078)	1:80:B:ILE:HD12	1:60:B:GLY:HA3	4	0.18
(1,3078)	1:80:B:ILE:HD12	1:60:B:GLY:HA3	10	0.18
(1,3077)	1:80:A:ILE:HD12	1:60:A:GLY:HA3	10	0.18
(1,3076)	1:85:B:ALA:HA	1:12:A:VAL:HG21	13	0.18
(1,3039)	1:57:A:ILE:HG13	1:45:A:ILE:HG13	10	0.18
(1,2990)	1:32:B:GLU:HB2	1:33:B:LEU:HD13	17	0.18
(1,2989)	1:32:A:GLU:HB2	1:33:A:LEU:HD13	17	0.18
(1,2956)	1:74:B:PHE:HB2	1:61:B:LEU:HB3	8	0.18
(1,2955)	1:74:A:PHE:HB2	1:61:A:LEU:HB3	8	0.18
(1,2931)	1:45:A:ILE:HG13	1:81:A:ALA:HA	16	0.18
(1,2794)	1:85:B:ALA:HB3	1:85:B:ALA:HA	9	0.18
(1,2794)	1:85:B:ALA:HB1	1:85:B:ALA:HA	18	0.18
(1,2793)	1:85:A:ALA:HB3	1:85:A:ALA:HA	9	0.18
(1,2750)	1:32:B:GLU:HG2	1:33:B:LEU:HB3	8	0.18
(1,2749)	1:32:A:GLU:HG2	1:33:A:LEU:HB3	8	0.18
(1,2729)	1:75:A:ILE:HD11	1:91:B:LYS:HD3	1	0.18
(1,2718)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	6	0.18
(1,2718)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	8	0.18
(1,2717)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	6	0.18
(1,2717)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	8	0.18
(1,2698)	1:45:B:ILE:HB	1:48:B:ILE:HA	2	0.18
(1,2698)	1:45:B:ILE:HB	1:48:B:ILE:HA	13	0.18
(1,2698)	1:45:B:ILE:HB	1:48:B:ILE:HA	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2697)	1:45:A:ILE:HB	1:48:A:ILE:HA	13	0.18
(1,2697)	1:45:A:ILE:HB	1:48:A:ILE:HA	15	0.18
(1,2664)	1:8:B:LEU:HD12	1:41:A:LEU:HB3	6	0.18
(1,2663)	1:8:A:LEU:HD12	1:41:B:LEU:HB3	6	0.18
(1,2658)	1:37:B:LEU:HD21	1:37:B:LEU:HG	1	0.18
(1,2658)	1:37:B:LEU:HD23	1:37:B:LEU:HG	6	0.18
(1,2658)	1:37:B:LEU:HD22	1:37:B:LEU:HG	7	0.18
(1,2658)	1:37:B:LEU:HD22	1:37:B:LEU:HG	9	0.18
(1,2658)	1:37:B:LEU:HD21	1:37:B:LEU:HG	11	0.18
(1,2658)	1:37:B:LEU:HD22	1:37:B:LEU:HG	12	0.18
(1,2658)	1:37:B:LEU:HD22	1:37:B:LEU:HG	14	0.18
(1,2658)	1:37:B:LEU:HD22	1:37:B:LEU:HG	18	0.18
(1,2657)	1:37:A:LEU:HD21	1:37:A:LEU:HG	1	0.18
(1,2657)	1:37:A:LEU:HD23	1:37:A:LEU:HG	6	0.18
(1,2657)	1:37:A:LEU:HD22	1:37:A:LEU:HG	7	0.18
(1,2657)	1:37:A:LEU:HD22	1:37:A:LEU:HG	9	0.18
(1,2657)	1:37:A:LEU:HD21	1:37:A:LEU:HG	11	0.18
(1,2657)	1:37:A:LEU:HD22	1:37:A:LEU:HG	12	0.18
(1,2657)	1:37:A:LEU:HD22	1:37:A:LEU:HG	14	0.18
(1,2657)	1:37:A:LEU:HD22	1:37:A:LEU:HG	16	0.18
(1,2657)	1:37:A:LEU:HD22	1:37:A:LEU:HG	18	0.18
(1,2632)	1:80:B:ILE:HG22	1:80:B:ILE:HB	17	0.18
(1,2631)	1:80:A:ILE:HG22	1:80:A:ILE:HB	17	0.18
(1,2560)	1:39:B:LYS:HE3	1:39:B:LYS:HB3	2	0.18
(1,2545)	1:36:A:LEU:HD22	1:33:A:LEU:HB2	2	0.18
(1,2529)	1:53:A:VAL:HG13	1:46:A:LYS:HD2	3	0.18
(1,2529)	1:53:A:VAL:HG11	1:46:A:LYS:HD2	6	0.18
(1,2495)	1:32:A:GLU:HG2	1:35:A:GLN:HB2	15	0.18
(1,2487)	1:72:A:GLN:HB2	1:72:A:GLN:HG3	13	0.18
(1,2466)	1:6:B:GLU:HB2	1:6:B:GLU:HA	17	0.18
(1,2465)	1:6:A:GLU:HB2	1:6:A:GLU:HA	17	0.18
(1,2454)	1:39:B:LYS:HD2	1:39:B:LYS:HB2	4	0.18
(1,2453)	1:39:A:LYS:HD2	1:39:A:LYS:HB2	4	0.18
(1,2428)	1:74:B:PHE:HB3	1:71:B:PHE:HB3	19	0.18
(1,2427)	1:74:A:PHE:HB3	1:71:A:PHE:HB3	19	0.18
(1,2316)	1:9:B:GLU:HG3	1:86:A:HIS:HB3	19	0.18
(1,2315)	1:32:A:GLU:HG2	1:35:A:GLN:HB2	15	0.18
(1,2300)	1:53:B:VAL:HA	1:50:B:ASP:HB3	2	0.18
(1,2299)	1:53:A:VAL:HA	1:50:A:ASP:HB3	2	0.18
(1,2266)	1:53:B:VAL:HG12	1:50:B:ASP:HB2	15	0.18
(1,2266)	1:53:B:VAL:HG12	1:50:B:ASP:HB2	17	0.18
(1,2265)	1:53:A:VAL:HG12	1:50:A:ASP:HB2	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2265)	1:53:A:VAL:HG12	1:50:A:ASP:HB2	17	0.18
(1,2264)	1:88:B:HIS:HB2	1:86:B:HIS:HB2	8	0.18
(1,2240)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	20	0.18
(1,2220)	1:49:B:LYS:HD2	1:49:B:LYS:HE3	8	0.18
(1,2220)	1:49:B:LYS:HD3	1:49:B:LYS:HE3	13	0.18
(1,2220)	1:49:B:LYS:HD2	1:49:B:LYS:HE3	14	0.18
(1,2219)	1:49:A:LYS:HD2	1:49:A:LYS:HE3	8	0.18
(1,2219)	1:49:A:LYS:HD2	1:49:A:LYS:HE2	13	0.18
(1,2219)	1:49:A:LYS:HD2	1:49:A:LYS:HE3	14	0.18
(1,2210)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	20	0.18
(1,2198)	1:30:B:LYS:HE3	1:51:B:LYS:HE2	2	0.18
(1,2197)	1:30:A:LYS:HE3	1:51:A:LYS:HE2	2	0.18
(1,2186)	1:46:B:LYS:HA	1:47:B:ASN:HB2	20	0.18
(1,2185)	1:46:A:LYS:HA	1:47:A:ASN:HB2	20	0.18
(1,2170)	1:86:B:HIS:HA	1:88:B:HIS:HB3	10	0.18
(1,2170)	1:86:B:HIS:HA	1:88:B:HIS:HB3	14	0.18
(1,2169)	1:86:A:HIS:HA	1:88:A:HIS:HB3	10	0.18
(1,2169)	1:86:A:HIS:HA	1:88:A:HIS:HB3	14	0.18
(1,2168)	1:86:B:HIS:HA	1:88:B:HIS:HB3	15	0.18
(1,2167)	1:86:A:HIS:HA	1:88:A:HIS:HB3	15	0.18
(1,2150)	1:67:B:GLU:HA	1:30:B:LYS:HA	6	0.18
(1,2149)	1:67:A:GLU:HA	1:30:A:LYS:HA	6	0.18
(1,2136)	1:45:B:ILE:HG13	1:37:B:LEU:HA	15	0.18
(1,2135)	1:45:A:ILE:HG13	1:37:A:LEU:HA	1	0.18
(1,2135)	1:45:A:ILE:HG13	1:37:A:LEU:HA	15	0.18
(1,2040)	1:48:B:ILE:HD13	1:81:B:ALA:HA	12	0.18
(1,2039)	1:48:A:ILE:HD13	1:81:A:ALA:HA	12	0.18
(1,2032)	1:12:B:VAL:HG23	1:82:A:LEU:HA	5	0.18
(1,1992)	1:42:B:ALA:HB3	1:42:B:ALA:HA	1	0.18
(1,1992)	1:42:B:ALA:HB2	1:42:B:ALA:HA	2	0.18
(1,1992)	1:42:B:ALA:HB2	1:42:B:ALA:HA	6	0.18
(1,1992)	1:42:B:ALA:HB3	1:42:B:ALA:HA	7	0.18
(1,1992)	1:42:B:ALA:HB3	1:42:B:ALA:HA	8	0.18
(1,1992)	1:42:B:ALA:HB1	1:42:B:ALA:HA	11	0.18
(1,1992)	1:42:B:ALA:HB3	1:42:B:ALA:HA	14	0.18
(1,1992)	1:42:B:ALA:HB1	1:42:B:ALA:HA	17	0.18
(1,1992)	1:42:B:ALA:HB2	1:42:B:ALA:HA	18	0.18
(1,1991)	1:42:A:ALA:HB3	1:42:A:ALA:HA	1	0.18
(1,1991)	1:42:A:ALA:HB2	1:42:A:ALA:HA	2	0.18
(1,1991)	1:42:A:ALA:HB1	1:42:A:ALA:HA	4	0.18
(1,1991)	1:42:A:ALA:HB2	1:42:A:ALA:HA	6	0.18
(1,1991)	1:42:A:ALA:HB3	1:42:A:ALA:HA	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1991)	1:42:A:ALA:HB3	1:42:A:ALA:HA	8	0.18
(1,1991)	1:42:A:ALA:HB1	1:42:A:ALA:HA	11	0.18
(1,1991)	1:42:A:ALA:HB3	1:42:A:ALA:HA	14	0.18
(1,1991)	1:42:A:ALA:HB2	1:42:A:ALA:HA	18	0.18
(1,1980)	1:75:B:ILE:HB	1:73:B:GLU:HA	18	0.18
(1,1979)	1:75:A:ILE:HB	1:73:A:GLU:HA	18	0.18
(1,1941)	1:30:A:LYS:HD3	1:52:A:ALA:HA	13	0.18
(1,1892)	1:46:B:LYS:HG2	1:90:B:HIS:HA	19	0.18
(1,1892)	1:46:B:LYS:HG2	1:90:B:HIS:HA	20	0.18
(1,1891)	1:46:A:LYS:HG2	1:90:A:HIS:HA	20	0.18
(1,1850)	1:54:B:ILE:H	1:53:B:VAL:HG11	20	0.18
(1,1849)	1:54:A:ILE:H	1:53:A:VAL:HG11	20	0.18
(1,1822)	1:41:B:LEU:H	1:48:B:ILE:HG12	6	0.18
(1,1822)	1:41:B:LEU:H	1:48:B:ILE:HG12	20	0.18
(1,1821)	1:41:A:LEU:H	1:48:A:ILE:HG12	6	0.18
(1,1821)	1:41:A:LEU:H	1:48:A:ILE:HG12	20	0.18
(1,1798)	1:7:B:HIS:H	1:8:B:LEU:HG	3	0.18
(1,1798)	1:7:B:HIS:H	1:8:B:LEU:HG	6	0.18
(1,1797)	1:7:A:HIS:H	1:8:A:LEU:HG	3	0.18
(1,1797)	1:7:A:HIS:H	1:8:A:LEU:HG	6	0.18
(1,1750)	1:45:B:ILE:HG21	1:91:B:LYS:H	4	0.18
(1,1749)	1:45:A:ILE:HG21	1:91:A:LYS:H	4	0.18
(1,1738)	1:75:B:ILE:HG22	1:82:A:LEU:HD12	2	0.18
(1,1737)	1:75:A:ILE:HG21	1:82:B:LEU:HD11	10	0.18
(1,1692)	1:75:B:ILE:HG23	1:83:A:LYS:HE3	1	0.18
(1,1691)	1:75:A:ILE:HG23	1:83:B:LYS:HE3	1	0.18
(1,1618)	1:63:B:ALA:H	1:61:B:LEU:HB3	20	0.18
(1,1574)	1:32:B:GLU:H	1:33:B:LEU:HB3	12	0.18
(1,1454)	1:35:B:GLN:H	1:35:B:GLN:HG3	19	0.18
(1,1453)	1:35:A:GLN:H	1:35:A:GLN:HG3	19	0.18
(1,1440)	1:73:B:GLU:H	1:72:B:GLN:HG2	2	0.18
(1,1440)	1:73:B:GLU:H	1:72:B:GLN:HG2	14	0.18
(1,1440)	1:73:B:GLU:H	1:72:B:GLN:HG2	16	0.18
(1,1439)	1:73:A:GLU:H	1:72:A:GLN:HG2	2	0.18
(1,1439)	1:73:A:GLU:H	1:72:A:GLN:HG2	16	0.18
(1,1358)	1:89:B:THR:H	1:87:B:TYR:HB3	12	0.18
(1,1358)	1:89:B:THR:H	1:87:B:TYR:HB3	15	0.18
(1,1357)	1:89:A:THR:H	1:87:A:TYR:HB3	12	0.18
(1,1357)	1:89:A:THR:H	1:87:A:TYR:HB3	15	0.18
(1,1098)	1:54:B:ILE:H	1:50:B:ASP:HA	3	0.18
(1,1098)	1:54:B:ILE:H	1:50:B:ASP:HA	8	0.18
(1,1098)	1:54:B:ILE:H	1:50:B:ASP:HA	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1098)	1:54:B:ILE:H	1:50:B:ASP:HA	12	0.18
(1,1098)	1:54:B:ILE:H	1:50:B:ASP:HA	14	0.18
(1,1097)	1:54:A:ILE:H	1:50:A:ASP:HA	8	0.18
(1,1097)	1:54:A:ILE:H	1:50:A:ASP:HA	11	0.18
(1,1097)	1:54:A:ILE:H	1:50:A:ASP:HA	12	0.18
(1,1097)	1:54:A:ILE:H	1:50:A:ASP:HA	14	0.18
(1,1086)	1:46:B:LYS:H	1:90:B:HIS:HA	10	0.18
(1,597)	1:36:A:LEU:HD21	1:36:A:LEU:HB2	11	0.18
(1,592)	1:42:B:ALA:HB1	1:49:B:LYS:HD3	13	0.18
(1,592)	1:42:B:ALA:HB3	1:49:B:LYS:HD3	20	0.18
(1,591)	1:42:A:ALA:HB1	1:49:A:LYS:HD3	13	0.18
(1,591)	1:42:A:ALA:HB3	1:49:A:LYS:HD3	20	0.18
(1,572)	1:49:B:LYS:HB3	1:49:B:LYS:HD2	7	0.18
(1,571)	1:49:A:LYS:HB3	1:49:A:LYS:HD2	7	0.18
(1,553)	1:75:A:ILE:HD11	1:91:B:LYS:HD3	1	0.18
(1,441)	1:49:A:LYS:HB2	1:53:A:VAL:HB	6	0.18
(1,388)	1:36:B:LEU:HD13	1:36:B:LEU:HA	2	0.18
(1,387)	1:36:A:LEU:HD13	1:36:A:LEU:HA	2	0.18
(1,370)	1:91:B:LYS:HE2	1:90:B:HIS:HB3	15	0.18
(1,369)	1:91:A:LYS:HE2	1:90:A:HIS:HB3	15	0.18
(1,344)	1:83:B:LYS:HE3	1:87:B:TYR:HB2	6	0.18
(1,343)	1:83:A:LYS:HE3	1:87:A:TYR:HB2	6	0.18
(1,318)	1:37:B:LEU:HD13	1:30:B:LYS:HA	16	0.18
(1,317)	1:37:A:LEU:HD13	1:30:A:LYS:HA	16	0.18
(1,290)	1:53:B:VAL:HG12	1:53:B:VAL:HA	1	0.18
(1,290)	1:53:B:VAL:HG11	1:53:B:VAL:HA	3	0.18
(1,289)	1:53:A:VAL:HG12	1:53:A:VAL:HA	1	0.18
(1,270)	1:13:B:ASN:HB3	1:10:B:GLY:HA2	1	0.18
(1,269)	1:13:A:ASN:HB3	1:10:A:GLY:HA2	1	0.18
(1,191)	1:39:A:LYS:HD2	1:35:A:GLN:HA	1	0.18
(1,84)	1:75:B:ILE:H	1:75:B:ILE:HD11	13	0.18
(1,83)	1:75:A:ILE:H	1:75:A:ILE:HD11	12	0.18
(1,81)	1:49:A:LYS:H	1:47:A:ASN:HB3	8	0.18
(1,22)	1:9:B:GLU:HB2	1:44:A:THR:HG23	5	0.18
(3,134)	1:82:B:LEU:N	1:78:B:VAL:O	12	0.17
(1,3802)	1:10:B:GLY:H	1:12:B:VAL:HG23	8	0.17
(1,3801)	1:10:A:GLY:H	1:12:A:VAL:HG23	8	0.17
(1,3787)	1:45:A:ILE:H	1:48:A:ILE:HG23	16	0.17
(1,3770)	1:54:B:ILE:H	1:48:B:ILE:HD11	10	0.17
(1,3728)	1:55:B:ASP:H	1:53:B:VAL:HG13	14	0.17
(1,3727)	1:55:A:ASP:H	1:53:A:VAL:HG13	14	0.17
(1,3716)	1:15:B:PHE:H	1:36:B:LEU:HG	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3710)	1:44:B:THR:H	1:45:B:ILE:HG13	12	0.17
(1,3709)	1:44:A:THR:H	1:45:A:ILE:HG13	12	0.17
(1,3704)	1:34:B:LYS:H	1:54:B:ILE:HD11	19	0.17
(1,3703)	1:34:A:LYS:H	1:54:A:ILE:HD11	19	0.17
(1,3696)	1:8:B:LEU:H	1:44:A:THR:HG23	16	0.17
(1,3695)	1:8:A:LEU:H	1:44:B:THR:HG21	9	0.17
(1,3695)	1:8:A:LEU:H	1:44:B:THR:HG23	16	0.17
(1,3694)	1:75:B:ILE:H	1:83:A:LYS:HG3	12	0.17
(1,3694)	1:75:B:ILE:H	1:83:A:LYS:HG2	14	0.17
(1,3692)	1:75:B:ILE:H	1:61:B:LEU:HB3	16	0.17
(1,3691)	1:75:A:ILE:H	1:61:A:LEU:HB3	16	0.17
(1,3684)	1:43:B:ASN:H	1:48:B:ILE:HG12	20	0.17
(1,3680)	1:54:B:ILE:H	1:54:B:ILE:HD13	6	0.17
(1,3680)	1:54:B:ILE:H	1:54:B:ILE:HD12	11	0.17
(1,3680)	1:54:B:ILE:H	1:54:B:ILE:HD12	13	0.17
(1,3680)	1:54:B:ILE:H	1:54:B:ILE:HD12	19	0.17
(1,3679)	1:54:A:ILE:H	1:54:A:ILE:HD13	6	0.17
(1,3679)	1:54:A:ILE:H	1:54:A:ILE:HD12	11	0.17
(1,3679)	1:54:A:ILE:H	1:54:A:ILE:HD12	13	0.17
(1,3679)	1:54:A:ILE:H	1:54:A:ILE:HD12	19	0.17
(1,3672)	1:48:B:ILE:H	1:49:B:LYS:HG2	14	0.17
(1,3664)	1:47:B:ASN:H	1:46:B:LYS:HG3	8	0.17
(1,3663)	1:47:A:ASN:H	1:46:A:LYS:HG3	8	0.17
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB3	10	0.17
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB3	10	0.17
(1,3626)	1:38:B:THR:H	1:54:B:ILE:HG12	10	0.17
(1,3625)	1:38:A:THR:H	1:54:A:ILE:HG12	10	0.17
(1,3606)	1:41:B:LEU:H	1:39:B:LYS:HG2	3	0.17
(1,3605)	1:41:A:LEU:H	1:39:A:LYS:HG2	3	0.17
(1,3588)	1:61:B:LEU:H	1:57:B:ILE:HB	11	0.17
(1,3550)	1:48:B:ILE:H	1:46:B:LYS:HD2	8	0.17
(1,3549)	1:48:A:ILE:H	1:46:A:LYS:HD2	8	0.17
(1,3549)	1:48:A:ILE:H	1:46:A:LYS:HD2	13	0.17
(1,3516)	1:39:B:LYS:H	1:39:B:LYS:HB2	2	0.17
(1,3516)	1:39:B:LYS:H	1:39:B:LYS:HB2	6	0.17
(1,3516)	1:39:B:LYS:H	1:39:B:LYS:HB2	10	0.17
(1,3516)	1:39:B:LYS:H	1:39:B:LYS:HB2	13	0.17
(1,3515)	1:39:A:LYS:H	1:39:A:LYS:HB2	2	0.17
(1,3515)	1:39:A:LYS:H	1:39:A:LYS:HB2	6	0.17
(1,3515)	1:39:A:LYS:H	1:39:A:LYS:HB2	10	0.17
(1,3515)	1:39:A:LYS:H	1:39:A:LYS:HB2	13	0.17
(1,3515)	1:39:A:LYS:H	1:39:A:LYS:HB2	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3502)	1:67:B:GLU:H	1:66:B:ASP:HB3	11	0.17
(1,3494)	1:64:B:ASN:H	1:65:B:GLN:HB3	17	0.17
(1,3476)	1:57:B:ILE:H	1:56:B:GLU:HG2	2	0.17
(1,3476)	1:57:B:ILE:H	1:56:B:GLU:HG3	14	0.17
(1,3475)	1:57:A:ILE:H	1:56:A:GLU:HG2	2	0.17
(1,3475)	1:57:A:ILE:H	1:56:A:GLU:HG3	14	0.17
(1,3474)	1:55:B:ASP:H	1:53:B:VAL:HB	18	0.17
(1,3473)	1:55:A:ASP:H	1:53:A:VAL:HB	18	0.17
(1,3452)	1:72:B:GLN:H	1:83:A:LYS:HE3	4	0.17
(1,3452)	1:72:B:GLN:H	1:83:A:LYS:HE3	7	0.17
(1,3451)	1:72:A:GLN:H	1:83:B:LYS:HE3	4	0.17
(1,3430)	1:56:B:GLU:H	1:51:B:LYS:HE2	8	0.17
(1,3429)	1:56:A:GLU:H	1:51:A:LYS:HE2	20	0.17
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB2	19	0.17
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB2	19	0.17
(1,3413)	1:59:A:GLN:H	1:54:A:ILE:HA	11	0.17
(1,3336)	1:51:B:LYS:H	1:52:B:ALA:HA	16	0.17
(1,3336)	1:51:B:LYS:H	1:52:B:ALA:HA	20	0.17
(1,3335)	1:51:A:LYS:H	1:52:A:ALA:HA	7	0.17
(1,3335)	1:51:A:LYS:H	1:52:A:ALA:HA	9	0.17
(1,3333)	1:69:A:VAL:H	1:29:A:SER:HB3	20	0.17
(1,3310)	1:54:B:ILE:H	1:49:B:LYS:H	10	0.17
(1,3309)	1:54:A:ILE:H	1:49:A:LYS:H	10	0.17
(1,3288)	1:87:B:TYR:H	1:89:B:THR:H	5	0.17
(1,3288)	1:87:B:TYR:H	1:89:B:THR:H	10	0.17
(1,3287)	1:87:A:TYR:H	1:89:A:THR:H	10	0.17
(1,3287)	1:87:A:TYR:H	1:89:A:THR:H	16	0.17
(1,3202)	1:36:B:LEU:HD21	1:36:B:LEU:HA	2	0.17
(1,3202)	1:36:B:LEU:HD23	1:36:B:LEU:HA	20	0.17
(1,3201)	1:36:A:LEU:HD23	1:36:A:LEU:HA	20	0.17
(1,3198)	1:75:B:ILE:HA	1:78:B:VAL:HG23	11	0.17
(1,3197)	1:75:A:ILE:HA	1:78:A:VAL:HG23	11	0.17
(1,3182)	1:75:B:ILE:HD11	1:72:B:GLN:HG3	8	0.17
(1,3181)	1:75:A:ILE:HD11	1:72:A:GLN:HG3	8	0.17
(1,3178)	1:83:B:LYS:HE3	1:75:A:ILE:HD13	4	0.17
(1,3177)	1:83:A:LYS:HE3	1:75:B:ILE:HD13	4	0.17
(1,3168)	1:75:B:ILE:HG23	1:76:B:SER:HA	6	0.17
(1,3167)	1:75:A:ILE:HG23	1:76:A:SER:HA	6	0.17
(1,3139)	1:12:A:VAL:HG21	1:9:A:GLU:HG2	17	0.17
(1,3132)	1:54:B:ILE:HG21	1:58:B:PHE:HB3	5	0.17
(1,3131)	1:54:A:ILE:HG21	1:58:A:PHE:HB3	5	0.17
(1,3119)	1:82:A:LEU:HA	1:8:B:LEU:HD23	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3096)	1:91:B:LYS:HD2	1:80:B:ILE:HG23	2	0.17
(1,3095)	1:91:A:LYS:HD2	1:80:A:ILE:HG23	2	0.17
(1,3077)	1:80:A:ILE:HD12	1:60:A:GLY:HA3	4	0.17
(1,3075)	1:85:A:ALA:HA	1:12:B:VAL:HG22	12	0.17
(1,3048)	1:30:B:LYS:HA	1:33:B:LEU:HD23	18	0.17
(1,3047)	1:30:A:LYS:HA	1:33:A:LEU:HD23	18	0.17
(1,3040)	1:57:B:ILE:HG13	1:45:B:ILE:HG13	10	0.17
(1,3016)	1:53:B:VAL:HG11	1:46:B:LYS:HE2	8	0.17
(1,3015)	1:53:A:VAL:HG11	1:46:A:LYS:HE2	8	0.17
(1,3000)	1:53:B:VAL:HG11	1:46:B:LYS:HG3	16	0.17
(1,2999)	1:53:A:VAL:HG11	1:46:A:LYS:HG3	16	0.17
(1,2984)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	15	0.17
(1,2983)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	15	0.17
(1,2960)	1:44:B:THR:HG22	1:88:B:HIS:HB3	17	0.17
(1,2959)	1:44:A:THR:HG22	1:88:A:HIS:HB3	17	0.17
(1,2884)	1:83:B:LYS:HG3	1:82:B:LEU:HB2	20	0.17
(1,2883)	1:83:A:LYS:HG3	1:82:A:LEU:HB2	20	0.17
(1,2860)	1:53:B:VAL:HG13	1:46:B:LYS:HG3	12	0.17
(1,2859)	1:53:A:VAL:HG13	1:46:A:LYS:HG3	12	0.17
(1,2846)	1:74:B:PHE:HB2	1:77:B:LEU:HB3	6	0.17
(1,2845)	1:74:A:PHE:HB2	1:77:A:LEU:HB3	6	0.17
(1,2840)	1:30:B:LYS:HB2	1:58:B:PHE:HB3	12	0.17
(1,2839)	1:30:A:LYS:HB2	1:58:A:PHE:HB3	12	0.17
(1,2800)	1:67:B:GLU:HG3	1:62:B:ASP:HB3	1	0.17
(1,2800)	1:67:B:GLU:HG3	1:62:B:ASP:HB3	9	0.17
(1,2799)	1:67:A:GLU:HG3	1:62:A:ASP:HB3	9	0.17
(1,2793)	1:85:A:ALA:HB1	1:85:A:ALA:HA	18	0.17
(1,2730)	1:75:B:ILE:HD11	1:91:A:LYS:HD3	1	0.17
(1,2718)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	9	0.17
(1,2718)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	11	0.17
(1,2718)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	14	0.17
(1,2717)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	11	0.17
(1,2704)	1:91:B:LYS:HD3	1:91:B:LYS:HE2	9	0.17
(1,2703)	1:91:A:LYS:HD3	1:91:A:LYS:HE2	9	0.17
(1,2703)	1:51:A:LYS:HE3	1:51:A:LYS:HD3	17	0.17
(1,2697)	1:45:A:ILE:HB	1:48:A:ILE:HA	2	0.17
(1,2658)	1:37:B:LEU:HD21	1:37:B:LEU:HG	2	0.17
(1,2658)	1:37:B:LEU:HD23	1:37:B:LEU:HG	3	0.17
(1,2658)	1:37:B:LEU:HD23	1:37:B:LEU:HG	8	0.17
(1,2658)	1:37:B:LEU:HD21	1:37:B:LEU:HG	10	0.17
(1,2658)	1:37:B:LEU:HD23	1:37:B:LEU:HG	13	0.17
(1,2658)	1:37:B:LEU:HD22	1:37:B:LEU:HG	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2658)	1:37:B:LEU:HD23	1:37:B:LEU:HG	19	0.17
(1,2657)	1:37:A:LEU:HD21	1:37:A:LEU:HG	2	0.17
(1,2657)	1:37:A:LEU:HD23	1:37:A:LEU:HG	3	0.17
(1,2657)	1:37:A:LEU:HD23	1:37:A:LEU:HG	8	0.17
(1,2657)	1:37:A:LEU:HD21	1:37:A:LEU:HG	10	0.17
(1,2657)	1:37:A:LEU:HD23	1:37:A:LEU:HG	13	0.17
(1,2657)	1:37:A:LEU:HD23	1:37:A:LEU:HG	19	0.17
(1,2636)	1:45:B:ILE:HD12	1:41:B:LEU:HB3	8	0.17
(1,2635)	1:45:A:ILE:HD12	1:41:A:LEU:HB3	8	0.17
(1,2559)	1:39:A:LYS:HE3	1:39:A:LYS:HB3	2	0.17
(1,2546)	1:36:B:LEU:HD22	1:33:B:LEU:HB2	2	0.17
(1,2530)	1:53:B:VAL:HG11	1:46:B:LYS:HD2	6	0.17
(1,2508)	1:10:B:GLY:HA3	1:9:B:GLU:HB3	3	0.17
(1,2507)	1:10:A:GLY:HA3	1:9:A:GLU:HB3	3	0.17
(1,2488)	1:72:B:GLN:HB2	1:72:B:GLN:HG3	13	0.17
(1,2466)	1:6:B:GLU:HB2	1:6:B:GLU:HA	3	0.17
(1,2465)	1:6:A:GLU:HB2	1:6:A:GLU:HA	3	0.17
(1,2419)	1:67:A:GLU:HG3	1:59:A:GLN:HA	3	0.17
(1,2412)	1:75:B:ILE:HD12	1:72:B:GLN:HG3	6	0.17
(1,2411)	1:75:A:ILE:HD12	1:72:A:GLN:HG3	6	0.17
(1,2394)	1:56:B:GLU:HG2	1:59:B:GLN:HG2	2	0.17
(1,2388)	1:12:B:VAL:HB	1:13:B:ASN:HB2	4	0.17
(1,2380)	1:39:B:LYS:HE2	1:35:B:GLN:HG2	12	0.17
(1,2379)	1:39:A:LYS:HE2	1:35:A:GLN:HG2	12	0.17
(1,2368)	1:62:B:ASP:HB2	1:67:B:GLU:HB2	5	0.17
(1,2368)	1:62:B:ASP:HB2	1:67:B:GLU:HB3	6	0.17
(1,2367)	1:62:A:ASP:HB2	1:67:A:GLU:HB3	6	0.17
(1,2360)	1:30:B:LYS:HG2	1:30:B:LYS:HE2	7	0.17
(1,2360)	1:30:B:LYS:HG2	1:30:B:LYS:HE3	9	0.17
(1,2359)	1:30:A:LYS:HG2	1:30:A:LYS:HE2	7	0.17
(1,2359)	1:30:A:LYS:HG2	1:30:A:LYS:HE3	8	0.17
(1,2359)	1:30:A:LYS:HG2	1:30:A:LYS:HE3	9	0.17
(1,2359)	1:30:A:LYS:HG2	1:30:A:LYS:HE3	11	0.17
(1,2359)	1:30:A:LYS:HG2	1:30:A:LYS:HE3	17	0.17
(1,2300)	1:53:B:VAL:HA	1:50:B:ASP:HB3	10	0.17
(1,2299)	1:53:A:VAL:HA	1:50:A:ASP:HB3	10	0.17
(1,2275)	1:72:A:GLN:HB2	1:70:A:ASP:HB3	13	0.17
(1,2266)	1:53:B:VAL:HG11	1:50:B:ASP:HB2	1	0.17
(1,2266)	1:53:B:VAL:HG11	1:50:B:ASP:HB2	6	0.17
(1,2266)	1:53:B:VAL:HG13	1:50:B:ASP:HB2	10	0.17
(1,2265)	1:53:A:VAL:HG11	1:50:A:ASP:HB2	1	0.17
(1,2265)	1:53:A:VAL:HG11	1:50:A:ASP:HB2	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2265)	1:53:A:VAL:HG13	1:50:A:ASP:HB2	10	0.17
(1,2255)	1:84:A:ALA:HB3	1:91:A:LYS:HE3	13	0.17
(1,2240)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	17	0.17
(1,2239)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	17	0.17
(1,2220)	1:49:B:LYS:HD3	1:49:B:LYS:HE2	5	0.17
(1,2219)	1:49:A:LYS:HD3	1:49:A:LYS:HE2	5	0.17
(1,2210)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	17	0.17
(1,2209)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	17	0.17
(1,2185)	1:46:A:LYS:HA	1:47:A:ASN:HB2	17	0.17
(1,2178)	1:54:B:ILE:HG12	1:58:B:PHE:HB2	13	0.17
(1,2178)	1:54:B:ILE:HG12	1:58:B:PHE:HB2	16	0.17
(1,2177)	1:54:A:ILE:HG12	1:58:A:PHE:HB2	13	0.17
(1,2177)	1:54:A:ILE:HG12	1:58:A:PHE:HB2	16	0.17
(1,2168)	1:86:B:HIS:HA	1:88:B:HIS:HB3	19	0.17
(1,2167)	1:86:A:HIS:HA	1:88:A:HIS:HB3	19	0.17
(1,2136)	1:45:B:ILE:HG13	1:37:B:LEU:HA	1	0.17
(1,2031)	1:12:A:VAL:HG23	1:82:B:LEU:HA	5	0.17
(1,1992)	1:42:B:ALA:HB3	1:42:B:ALA:HA	3	0.17
(1,1992)	1:42:B:ALA:HB1	1:42:B:ALA:HA	5	0.17
(1,1992)	1:42:B:ALA:HB1	1:42:B:ALA:HA	9	0.17
(1,1992)	1:42:B:ALA:HB2	1:42:B:ALA:HA	12	0.17
(1,1992)	1:42:B:ALA:HB3	1:42:B:ALA:HA	15	0.17
(1,1992)	1:42:B:ALA:HB1	1:42:B:ALA:HA	19	0.17
(1,1992)	1:42:B:ALA:HB3	1:42:B:ALA:HA	20	0.17
(1,1991)	1:42:A:ALA:HB3	1:42:A:ALA:HA	3	0.17
(1,1991)	1:42:A:ALA:HB1	1:42:A:ALA:HA	5	0.17
(1,1991)	1:42:A:ALA:HB1	1:42:A:ALA:HA	9	0.17
(1,1991)	1:42:A:ALA:HB2	1:42:A:ALA:HA	12	0.17
(1,1991)	1:42:A:ALA:HB3	1:42:A:ALA:HA	15	0.17
(1,1991)	1:42:A:ALA:HB1	1:42:A:ALA:HA	19	0.17
(1,1991)	1:42:A:ALA:HB3	1:42:A:ALA:HA	20	0.17
(1,1942)	1:30:B:LYS:HD3	1:52:B:ALA:HA	13	0.17
(1,1931)	1:12:A:VAL:HB	1:85:B:ALA:HA	13	0.17
(1,1891)	1:46:A:LYS:HG2	1:90:A:HIS:HA	19	0.17
(1,1850)	1:54:B:ILE:H	1:53:B:VAL:HG12	8	0.17
(1,1849)	1:54:A:ILE:H	1:53:A:VAL:HG12	8	0.17
(1,1836)	1:62:B:ASP:H	1:73:B:GLU:HB3	20	0.17
(1,1800)	1:56:B:GLU:H	1:30:B:LYS:HD3	16	0.17
(1,1799)	1:56:A:GLU:H	1:30:A:LYS:HD3	16	0.17
(1,1688)	1:12:B:VAL:HG23	1:86:A:HIS:HA	3	0.17
(1,1687)	1:12:A:VAL:HG23	1:86:B:HIS:HA	3	0.17
(1,1618)	1:63:B:ALA:H	1:61:B:LEU:HB3	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1617)	1:63:A:ALA:H	1:61:A:LEU:HB3	1	0.17
(1,1617)	1:63:A:ALA:H	1:61:A:LEU:HB3	20	0.17
(1,1481)	1:3:A:LYS:H	1:6:A:GLU:HB2	13	0.17
(1,1454)	1:35:B:GLN:H	1:35:B:GLN:HG3	20	0.17
(1,1453)	1:35:A:GLN:H	1:35:A:GLN:HG3	20	0.17
(1,1440)	1:73:B:GLU:H	1:72:B:GLN:HG2	4	0.17
(1,1440)	1:73:B:GLU:H	1:72:B:GLN:HG2	12	0.17
(1,1439)	1:73:A:GLU:H	1:72:A:GLN:HG2	4	0.17
(1,1439)	1:73:A:GLU:H	1:72:A:GLN:HG2	12	0.17
(1,1098)	1:54:B:ILE:H	1:50:B:ASP:HA	9	0.17
(1,1098)	1:54:B:ILE:H	1:50:B:ASP:HA	10	0.17
(1,1098)	1:54:B:ILE:H	1:50:B:ASP:HA	17	0.17
(1,1098)	1:54:B:ILE:H	1:50:B:ASP:HA	18	0.17
(1,1097)	1:54:A:ILE:H	1:50:A:ASP:HA	3	0.17
(1,1097)	1:54:A:ILE:H	1:50:A:ASP:HA	10	0.17
(1,1097)	1:54:A:ILE:H	1:50:A:ASP:HA	17	0.17
(1,918)	1:91:B:LYS:H	1:90:B:HIS:H	7	0.17
(1,917)	1:91:A:LYS:H	1:90:A:HIS:H	7	0.17
(1,730)	1:53:B:VAL:HG21	1:53:B:VAL:HG13	8	0.17
(1,730)	1:53:B:VAL:HG22	1:53:B:VAL:HG11	13	0.17
(1,730)	1:53:B:VAL:HG21	1:53:B:VAL:HG11	18	0.17
(1,729)	1:53:A:VAL:HG21	1:53:A:VAL:HG13	8	0.17
(1,729)	1:53:A:VAL:HG22	1:53:A:VAL:HG11	13	0.17
(1,729)	1:53:A:VAL:HG21	1:53:A:VAL:HG11	18	0.17
(1,700)	1:37:B:LEU:HD21	1:48:B:ILE:HG13	14	0.17
(1,699)	1:37:A:LEU:HD21	1:48:A:ILE:HG13	14	0.17
(1,662)	1:57:B:ILE:HG13	1:80:B:ILE:HG12	4	0.17
(1,661)	1:57:A:ILE:HG13	1:80:A:ILE:HG12	4	0.17
(1,618)	1:42:B:ALA:HB2	1:43:B:ASN:HB3	9	0.17
(1,617)	1:42:A:ALA:HB2	1:43:A:ASN:HB3	9	0.17
(1,598)	1:36:B:LEU:HD23	1:36:B:LEU:HB2	1	0.17
(1,598)	1:36:B:LEU:HD22	1:36:B:LEU:HB2	4	0.17
(1,598)	1:36:B:LEU:HD22	1:36:B:LEU:HB2	5	0.17
(1,598)	1:36:B:LEU:HD23	1:36:B:LEU:HB2	8	0.17
(1,598)	1:36:B:LEU:HD21	1:36:B:LEU:HB2	9	0.17
(1,598)	1:36:B:LEU:HD21	1:36:B:LEU:HB2	15	0.17
(1,598)	1:36:B:LEU:HD21	1:36:B:LEU:HB2	16	0.17
(1,598)	1:36:B:LEU:HD23	1:36:B:LEU:HB2	17	0.17
(1,598)	1:36:B:LEU:HD21	1:36:B:LEU:HB2	20	0.17
(1,597)	1:36:A:LEU:HD23	1:36:A:LEU:HB2	1	0.17
(1,597)	1:36:A:LEU:HD22	1:36:A:LEU:HB2	4	0.17
(1,597)	1:36:A:LEU:HD22	1:36:A:LEU:HB2	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:36:A:LEU:HD23	1:36:A:LEU:HB2	8	0.17
(1,597)	1:36:A:LEU:HD21	1:36:A:LEU:HB2	9	0.17
(1,597)	1:36:A:LEU:HD21	1:36:A:LEU:HB2	15	0.17
(1,597)	1:36:A:LEU:HD21	1:36:A:LEU:HB2	16	0.17
(1,597)	1:36:A:LEU:HD23	1:36:A:LEU:HB2	17	0.17
(1,597)	1:36:A:LEU:HD21	1:36:A:LEU:HB2	20	0.17
(1,592)	1:42:B:ALA:HB2	1:49:B:LYS:HD3	12	0.17
(1,591)	1:42:A:ALA:HB2	1:49:A:LYS:HD3	12	0.17
(1,572)	1:49:B:LYS:HB3	1:49:B:LYS:HD2	3	0.17
(1,571)	1:49:A:LYS:HB3	1:49:A:LYS:HD2	3	0.17
(1,570)	1:91:B:LYS:HD3	1:91:B:LYS:HE3	14	0.17
(1,569)	1:91:A:LYS:HD3	1:91:A:LYS:HE3	14	0.17
(1,558)	1:91:B:LYS:HD3	1:80:B:ILE:HA	8	0.17
(1,557)	1:91:A:LYS:HD3	1:80:A:ILE:HA	8	0.17
(1,554)	1:75:B:ILE:HD11	1:91:A:LYS:HD3	1	0.17
(1,386)	1:36:B:LEU:HD22	1:36:B:LEU:HA	6	0.17
(1,385)	1:36:A:LEU:HD22	1:36:A:LEU:HA	6	0.17
(1,374)	1:75:B:ILE:HG21	1:75:B:ILE:HA	5	0.17
(1,373)	1:75:A:ILE:HG21	1:75:A:ILE:HA	5	0.17
(1,344)	1:83:B:LYS:HE3	1:87:B:TYR:HB2	15	0.17
(1,290)	1:53:B:VAL:HG13	1:53:B:VAL:HA	20	0.17
(1,289)	1:53:A:VAL:HG11	1:53:A:VAL:HA	3	0.17
(1,289)	1:53:A:VAL:HG13	1:53:A:VAL:HA	20	0.17
(1,246)	1:45:B:ILE:HD12	1:81:B:ALA:HA	11	0.17
(1,245)	1:45:A:ILE:HD12	1:81:A:ALA:HA	11	0.17
(1,204)	1:80:B:ILE:HD11	1:76:B:SER:HA	13	0.17
(1,204)	1:80:B:ILE:HD11	1:76:B:SER:HA	19	0.17
(1,203)	1:80:A:ILE:HD11	1:76:A:SER:HA	13	0.17
(1,203)	1:80:A:ILE:HD11	1:76:A:SER:HA	19	0.17
(1,202)	1:36:B:LEU:HD21	1:33:B:LEU:HA	7	0.17
(1,201)	1:36:A:LEU:HD21	1:33:A:LEU:HA	7	0.17
(1,192)	1:39:B:LYS:HD2	1:35:B:GLN:HA	1	0.17
(1,84)	1:75:B:ILE:H	1:75:B:ILE:HD13	4	0.17
(1,84)	1:75:B:ILE:H	1:75:B:ILE:HD11	12	0.17
(1,83)	1:75:A:ILE:H	1:75:A:ILE:HD13	4	0.17
(1,63)	1:49:A:LYS:HG2	1:50:A:ASP:H	15	0.17
(1,21)	1:9:A:GLU:HB2	1:44:B:THR:HG23	5	0.17
(3,62)	1:82:A:LEU:N	1:78:A:VAL:O	12	0.16
(2,132)	1:12:B:VAL:H	1:86:A:HIS:HB3	16	0.16
(2,131)	1:12:A:VAL:H	1:86:B:HIS:HB3	16	0.16
(2,16)	1:39:B:LYS:HB2	1:42:B:ALA:H	15	0.16
(2,15)	1:39:A:LYS:HB2	1:42:A:ALA:H	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3803)	1:60:A:GLY:H	1:61:A:LEU:HD23	8	0.16
(1,3774)	1:55:B:ASP:H	1:54:B:ILE:HG23	2	0.16
(1,3773)	1:55:A:ASP:H	1:54:A:ILE:HG23	2	0.16
(1,3768)	1:41:B:LEU:H	1:48:B:ILE:HG23	8	0.16
(1,3767)	1:41:A:LEU:H	1:48:A:ILE:HG23	8	0.16
(1,3748)	1:30:B:LYS:H	1:30:B:LYS:HD3	15	0.16
(1,3747)	1:30:A:LYS:H	1:30:A:LYS:HD3	15	0.16
(1,3728)	1:55:B:ASP:H	1:53:B:VAL:HG11	12	0.16
(1,3727)	1:55:A:ASP:H	1:53:A:VAL:HG11	12	0.16
(1,3715)	1:15:A:PHE:H	1:36:A:LEU:HG	15	0.16
(1,3706)	1:12:B:VAL:H	1:82:A:LEU:HG	18	0.16
(1,3705)	1:12:A:VAL:H	1:82:B:LEU:HG	18	0.16
(1,3700)	1:84:B:ALA:H	1:44:B:THR:HG22	10	0.16
(1,3692)	1:75:B:ILE:H	1:61:B:LEU:HB3	7	0.16
(1,3692)	1:75:B:ILE:H	1:61:B:LEU:HB3	10	0.16
(1,3691)	1:75:A:ILE:H	1:61:A:LEU:HB3	7	0.16
(1,3691)	1:75:A:ILE:H	1:61:A:LEU:HB3	10	0.16
(1,3684)	1:43:B:ASN:H	1:45:B:ILE:HG13	12	0.16
(1,3683)	1:43:A:ASN:H	1:45:A:ILE:HG13	12	0.16
(1,3683)	1:43:A:ASN:H	1:48:A:ILE:HG12	20	0.16
(1,3680)	1:54:B:ILE:H	1:54:B:ILE:HD11	16	0.16
(1,3679)	1:54:A:ILE:H	1:54:A:ILE:HD11	16	0.16
(1,3664)	1:47:B:ASN:H	1:46:B:LYS:HG3	9	0.16
(1,3663)	1:47:A:ASN:H	1:46:A:LYS:HG3	9	0.16
(1,3646)	1:55:B:ASP:H	1:51:B:LYS:HG3	17	0.16
(1,3645)	1:55:A:ASP:H	1:51:A:LYS:HG3	17	0.16
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB3	1	0.16
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB3	1	0.16
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB2	3	0.16
(1,3622)	1:87:B:TYR:H	1:85:B:ALA:HB1	4	0.16
(1,3621)	1:87:A:TYR:H	1:85:A:ALA:HB1	4	0.16
(1,3620)	1:90:B:HIS:H	1:91:B:LYS:HB2	9	0.16
(1,3619)	1:90:A:HIS:H	1:91:A:LYS:HB2	9	0.16
(1,3606)	1:41:B:LEU:H	1:39:B:LYS:HG2	20	0.16
(1,3605)	1:41:A:LEU:H	1:39:A:LYS:HG2	20	0.16
(1,3587)	1:61:A:LEU:H	1:57:A:ILE:HB	11	0.16
(1,3562)	1:84:B:ALA:H	1:83:B:LYS:HB2	20	0.16
(1,3550)	1:48:B:ILE:H	1:46:B:LYS:HD2	10	0.16
(1,3550)	1:48:B:ILE:H	1:46:B:LYS:HD2	13	0.16
(1,3550)	1:48:B:ILE:H	1:46:B:LYS:HD2	16	0.16
(1,3549)	1:48:A:ILE:H	1:46:A:LYS:HD2	5	0.16
(1,3549)	1:48:A:ILE:H	1:46:A:LYS:HD2	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3516)	1:39:B:LYS:H	1:39:B:LYS:HB2	15	0.16
(1,3515)	1:39:A:LYS:H	1:39:A:LYS:HB2	15	0.16
(1,3493)	1:64:A:ASN:H	1:65:A:GLN:HB3	17	0.16
(1,3476)	1:57:B:ILE:H	1:56:B:GLU:HG2	11	0.16
(1,3475)	1:57:A:ILE:H	1:56:A:GLU:HG2	11	0.16
(1,3469)	1:70:A:ASP:H	1:62:A:ASP:HB2	2	0.16
(1,3430)	1:56:B:GLU:H	1:51:B:LYS:HE2	20	0.16
(1,3419)	1:87:A:TYR:H	1:88:A:HIS:HB3	10	0.16
(1,3336)	1:51:B:LYS:H	1:52:B:ALA:HA	2	0.16
(1,3336)	1:51:B:LYS:H	1:52:B:ALA:HA	4	0.16
(1,3336)	1:51:B:LYS:H	1:52:B:ALA:HA	9	0.16
(1,3336)	1:51:B:LYS:H	1:52:B:ALA:HA	13	0.16
(1,3335)	1:51:A:LYS:H	1:52:A:ALA:HA	5	0.16
(1,3335)	1:51:A:LYS:H	1:52:A:ALA:HA	12	0.16
(1,3335)	1:51:A:LYS:H	1:52:A:ALA:HA	13	0.16
(1,3335)	1:51:A:LYS:H	1:52:A:ALA:HA	20	0.16
(1,3298)	1:75:B:ILE:H	1:72:B:GLN:H	11	0.16
(1,3297)	1:75:A:ILE:H	1:72:A:GLN:H	11	0.16
(1,3288)	1:87:B:TYR:H	1:89:B:THR:H	16	0.16
(1,3287)	1:87:A:TYR:H	1:89:A:THR:H	5	0.16
(1,3286)	1:76:B:SER:H	1:72:B:GLN:H	16	0.16
(1,3285)	1:76:A:SER:H	1:72:A:GLN:H	16	0.16
(1,3284)	1:68:B:GLN:H	1:64:B:ASN:H	5	0.16
(1,3284)	1:68:B:GLN:H	1:64:B:ASN:H	7	0.16
(1,3220)	1:30:B:LYS:HG3	1:62:B:ASP:HB2	20	0.16
(1,3219)	1:30:A:LYS:HG3	1:62:A:ASP:HB2	20	0.16
(1,3201)	1:36:A:LEU:HD21	1:36:A:LEU:HA	2	0.16
(1,3140)	1:12:B:VAL:HG21	1:9:B:GLU:HG2	17	0.16
(1,3136)	1:80:B:ILE:HG21	1:80:B:ILE:HB	2	0.16
(1,3136)	1:57:B:ILE:HG22	1:57:B:ILE:HB	7	0.16
(1,3136)	1:57:B:ILE:HG22	1:57:B:ILE:HB	15	0.16
(1,3136)	1:48:B:ILE:HG22	1:48:B:ILE:HB	16	0.16
(1,3136)	1:80:B:ILE:HG23	1:80:B:ILE:HB	19	0.16
(1,3135)	1:80:A:ILE:HG21	1:80:A:ILE:HB	2	0.16
(1,3135)	1:57:A:ILE:HG22	1:57:A:ILE:HB	7	0.16
(1,3135)	1:48:A:ILE:HG21	1:48:A:ILE:HB	15	0.16
(1,3135)	1:48:A:ILE:HG22	1:48:A:ILE:HB	16	0.16
(1,3135)	1:48:A:ILE:HG23	1:48:A:ILE:HB	19	0.16
(1,3131)	1:54:A:ILE:HG23	1:58:A:PHE:HB3	14	0.16
(1,3120)	1:82:B:LEU:HA	1:8:A:LEU:HD23	3	0.16
(1,3104)	1:30:B:LYS:HG2	1:30:B:LYS:HD3	2	0.16
(1,3104)	1:30:B:LYS:HG2	1:30:B:LYS:HD3	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3104)	1:30:B:LYS:HG2	1:30:B:LYS:HD3	12	0.16
(1,3104)	1:30:B:LYS:HG2	1:30:B:LYS:HD3	18	0.16
(1,3103)	1:30:A:LYS:HG2	1:30:A:LYS:HD3	2	0.16
(1,3103)	1:30:A:LYS:HG2	1:30:A:LYS:HD3	3	0.16
(1,3103)	1:30:A:LYS:HG2	1:30:A:LYS:HD3	12	0.16
(1,3103)	1:30:A:LYS:HG2	1:30:A:LYS:HD3	18	0.16
(1,3096)	1:54:B:ILE:HG12	1:54:B:ILE:HG22	1	0.16
(1,3086)	1:11:B:ILE:HB	1:12:B:VAL:HG22	17	0.16
(1,3085)	1:11:A:ILE:HB	1:12:A:VAL:HG22	17	0.16
(1,3074)	1:59:B:GLN:HA	1:30:B:LYS:HD3	20	0.16
(1,3048)	1:30:B:LYS:HA	1:33:B:LEU:HD22	5	0.16
(1,3048)	1:30:B:LYS:HA	1:33:B:LEU:HD23	6	0.16
(1,3047)	1:30:A:LYS:HA	1:33:A:LEU:HD22	5	0.16
(1,3047)	1:30:A:LYS:HA	1:33:A:LEU:HD23	6	0.16
(1,2954)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	4	0.16
(1,2953)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	4	0.16
(1,2846)	1:74:B:PHE:HB3	1:77:B:LEU:HB3	8	0.16
(1,2846)	1:30:B:LYS:HB2	1:58:B:PHE:HB3	13	0.16
(1,2845)	1:74:A:PHE:HB3	1:77:A:LEU:HB3	8	0.16
(1,2845)	1:30:A:LYS:HB2	1:58:A:PHE:HB3	13	0.16
(1,2833)	1:79:A:ALA:HB3	1:76:A:SER:HB3	5	0.16
(1,2799)	1:67:A:GLU:HG3	1:62:A:ASP:HB3	1	0.16
(1,2796)	1:46:B:LYS:HG3	1:46:B:LYS:HE2	9	0.16
(1,2796)	1:46:B:LYS:HG3	1:46:B:LYS:HE2	11	0.16
(1,2795)	1:46:A:LYS:HG3	1:46:A:LYS:HE2	11	0.16
(1,2778)	1:81:B:ALA:HB2	1:44:B:THR:HB	5	0.16
(1,2740)	1:30:B:LYS:HB3	1:51:B:LYS:HD2	4	0.16
(1,2718)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	2	0.16
(1,2717)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	2	0.16
(1,2717)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	9	0.16
(1,2717)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	14	0.16
(1,2712)	1:30:B:LYS:HB3	1:51:B:LYS:HD2	4	0.16
(1,2704)	1:51:B:LYS:HE3	1:51:B:LYS:HD3	17	0.16
(1,2698)	1:45:B:ILE:HB	1:48:B:ILE:HA	19	0.16
(1,2697)	1:45:A:ILE:HB	1:48:A:ILE:HA	19	0.16
(1,2687)	1:30:A:LYS:HD2	1:51:A:LYS:HD2	1	0.16
(1,2682)	1:83:B:LYS:HB2	1:91:B:LYS:HD3	3	0.16
(1,2681)	1:83:A:LYS:HB2	1:91:A:LYS:HD3	3	0.16
(1,2680)	1:46:B:LYS:HB2	1:47:B:ASN:HB3	8	0.16
(1,2679)	1:46:A:LYS:HB2	1:47:A:ASN:HB3	8	0.16
(1,2658)	1:37:B:LEU:HD21	1:37:B:LEU:HG	20	0.16
(1,2657)	1:37:A:LEU:HD21	1:37:A:LEU:HG	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2630)	1:81:B:ALA:HB3	1:41:B:LEU:HB3	15	0.16
(1,2629)	1:81:A:ALA:HB3	1:41:A:LEU:HB3	15	0.16
(1,2602)	1:42:B:ALA:HA	1:48:B:ILE:HB	12	0.16
(1,2601)	1:42:A:ALA:HA	1:48:A:ILE:HB	12	0.16
(1,2548)	1:82:B:LEU:HG	1:78:B:VAL:HB	7	0.16
(1,2547)	1:82:A:LEU:HG	1:78:A:VAL:HB	7	0.16
(1,2546)	1:36:B:LEU:HD22	1:33:B:LEU:HB2	5	0.16
(1,2546)	1:36:B:LEU:HD23	1:33:B:LEU:HB2	17	0.16
(1,2545)	1:36:A:LEU:HD22	1:33:A:LEU:HB2	5	0.16
(1,2545)	1:36:A:LEU:HD23	1:33:A:LEU:HB2	17	0.16
(1,2466)	1:6:B:GLU:HB2	1:6:B:GLU:HA	5	0.16
(1,2466)	1:32:B:GLU:HG2	1:32:B:GLU:HA	6	0.16
(1,2465)	1:6:A:GLU:HB2	1:6:A:GLU:HA	5	0.16
(1,2420)	1:67:B:GLU:HG3	1:59:B:GLN:HA	3	0.16
(1,2393)	1:56:A:GLU:HG2	1:59:A:GLN:HG2	2	0.16
(1,2387)	1:12:A:VAL:HB	1:13:A:ASN:HB2	4	0.16
(1,2368)	1:62:B:ASP:HB2	1:68:B:GLN:HG2	14	0.16
(1,2367)	1:62:A:ASP:HB2	1:67:A:GLU:HB2	5	0.16
(1,2367)	1:62:A:ASP:HB2	1:68:A:GLN:HG2	14	0.16
(1,2360)	1:30:B:LYS:HG2	1:30:B:LYS:HE2	2	0.16
(1,2360)	1:30:B:LYS:HG2	1:30:B:LYS:HE3	6	0.16
(1,2360)	1:30:B:LYS:HG2	1:30:B:LYS:HE3	8	0.16
(1,2360)	1:30:B:LYS:HG2	1:30:B:LYS:HE3	11	0.16
(1,2360)	1:30:B:LYS:HG2	1:30:B:LYS:HE3	17	0.16
(1,2360)	1:30:B:LYS:HG2	1:30:B:LYS:HE3	19	0.16
(1,2359)	1:30:A:LYS:HG2	1:30:A:LYS:HE2	2	0.16
(1,2359)	1:30:A:LYS:HG2	1:30:A:LYS:HE3	6	0.16
(1,2359)	1:30:A:LYS:HG2	1:30:A:LYS:HE3	13	0.16
(1,2322)	1:67:B:GLU:HB2	1:30:B:LYS:HE3	4	0.16
(1,2321)	1:67:A:GLU:HB2	1:30:A:LYS:HE3	4	0.16
(1,2314)	1:54:B:ILE:HB	1:55:B:ASP:HB2	15	0.16
(1,2314)	1:54:B:ILE:HB	1:55:B:ASP:HB2	17	0.16
(1,2313)	1:54:A:ILE:HB	1:55:A:ASP:HB2	15	0.16
(1,2313)	1:54:A:ILE:HB	1:55:A:ASP:HB2	17	0.16
(1,2302)	1:51:B:LYS:HE2	1:55:B:ASP:HB2	7	0.16
(1,2301)	1:51:A:LYS:HE2	1:55:A:ASP:HB2	7	0.16
(1,2276)	1:72:B:GLN:HB2	1:70:B:ASP:HB3	13	0.16
(1,2276)	1:72:B:GLN:HB2	1:70:B:ASP:HB3	15	0.16
(1,2266)	1:53:B:VAL:HG12	1:50:B:ASP:HB2	7	0.16
(1,2265)	1:53:A:VAL:HG12	1:50:A:ASP:HB2	7	0.16
(1,2259)	1:72:A:GLN:HA	1:75:A:ILE:HA	1	0.16
(1,2256)	1:84:B:ALA:HB1	1:91:B:LYS:HE3	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2256)	1:84:B:ALA:HB3	1:91:B:LYS:HE3	13	0.16
(1,2255)	1:84:A:ALA:HB1	1:91:A:LYS:HE3	4	0.16
(1,2240)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	5	0.16
(1,2239)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	5	0.16
(1,2210)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	5	0.16
(1,2209)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	5	0.16
(1,2186)	1:46:B:LYS:HA	1:47:B:ASN:HB2	17	0.16
(1,2178)	1:54:B:ILE:HG12	1:58:B:PHE:HB2	5	0.16
(1,2177)	1:54:A:ILE:HG12	1:58:A:PHE:HB2	5	0.16
(1,2168)	1:86:B:HIS:HA	1:88:B:HIS:HB3	17	0.16
(1,2167)	1:86:A:HIS:HA	1:88:A:HIS:HB3	17	0.16
(1,2040)	1:48:B:ILE:HD13	1:81:B:ALA:HA	17	0.16
(1,2039)	1:48:A:ILE:HD13	1:81:A:ALA:HA	17	0.16
(1,1992)	1:42:B:ALA:HB1	1:42:B:ALA:HA	13	0.16
(1,1991)	1:42:A:ALA:HB1	1:42:A:ALA:HA	13	0.16
(1,1980)	1:75:B:ILE:HB	1:73:B:GLU:HA	15	0.16
(1,1979)	1:75:A:ILE:HB	1:73:A:GLU:HA	15	0.16
(1,1936)	1:83:B:LYS:HD2	1:91:B:LYS:HA	4	0.16
(1,1935)	1:83:A:LYS:HD2	1:91:A:LYS:HA	4	0.16
(1,1892)	1:46:B:LYS:HG2	1:90:B:HIS:HA	18	0.16
(1,1891)	1:46:A:LYS:HG2	1:90:A:HIS:HA	18	0.16
(1,1884)	1:46:B:LYS:HB3	1:90:B:HIS:HA	18	0.16
(1,1883)	1:46:A:LYS:HB3	1:90:A:HIS:HA	18	0.16
(1,1835)	1:62:A:ASP:H	1:73:A:GLU:HB3	20	0.16
(1,1822)	1:41:B:LEU:H	1:48:B:ILE:HG12	12	0.16
(1,1821)	1:41:A:LEU:H	1:48:A:ILE:HG12	12	0.16
(1,1812)	1:44:B:THR:H	1:46:B:LYS:HA	16	0.16
(1,1811)	1:44:A:THR:H	1:46:A:LYS:HA	16	0.16
(1,1737)	1:75:A:ILE:HG22	1:82:B:LEU:HD12	2	0.16
(1,1734)	1:36:B:LEU:HD22	1:8:A:LEU:HD21	9	0.16
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG22	12	0.16
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG22	12	0.16
(1,1618)	1:63:B:ALA:H	1:61:B:LEU:HB3	15	0.16
(1,1542)	1:44:B:THR:H	1:45:B:ILE:HB	1	0.16
(1,1542)	1:44:B:THR:H	1:45:B:ILE:HB	8	0.16
(1,1541)	1:44:A:THR:H	1:45:A:ILE:HB	1	0.16
(1,1541)	1:44:A:THR:H	1:45:A:ILE:HB	8	0.16
(1,1524)	1:60:B:GLY:H	1:57:B:ILE:HB	11	0.16
(1,1523)	1:60:A:GLY:H	1:57:A:ILE:HB	11	0.16
(1,1482)	1:3:B:LYS:H	1:6:B:GLU:HB2	13	0.16
(1,1439)	1:73:A:GLU:H	1:72:A:GLN:HG2	20	0.16
(1,1413)	1:59:A:GLN:H	1:59:A:GLN:HG3	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1358)	1:89:B:THR:H	1:87:B:TYR:HB3	14	0.16
(1,1357)	1:89:A:THR:H	1:87:A:TYR:HB3	14	0.16
(1,1098)	1:54:B:ILE:H	1:50:B:ASP:HA	7	0.16
(1,1098)	1:54:B:ILE:H	1:50:B:ASP:HA	15	0.16
(1,1098)	1:54:B:ILE:H	1:50:B:ASP:HA	20	0.16
(1,1097)	1:54:A:ILE:H	1:50:A:ASP:HA	7	0.16
(1,1097)	1:54:A:ILE:H	1:50:A:ASP:HA	9	0.16
(1,1097)	1:54:A:ILE:H	1:50:A:ASP:HA	15	0.16
(1,1097)	1:54:A:ILE:H	1:50:A:ASP:HA	18	0.16
(1,1097)	1:54:A:ILE:H	1:50:A:ASP:HA	20	0.16
(1,790)	1:30:B:LYS:HD3	1:54:B:ILE:HG23	2	0.16
(1,789)	1:30:A:LYS:HD3	1:54:A:ILE:HG23	2	0.16
(1,730)	1:53:B:VAL:HG22	1:53:B:VAL:HG12	4	0.16
(1,730)	1:53:B:VAL:HG23	1:53:B:VAL:HG11	16	0.16
(1,729)	1:53:A:VAL:HG22	1:53:A:VAL:HG12	4	0.16
(1,729)	1:53:A:VAL:HG23	1:53:A:VAL:HG11	16	0.16
(1,700)	1:37:B:LEU:HD22	1:48:B:ILE:HG13	15	0.16
(1,699)	1:37:A:LEU:HD22	1:48:A:ILE:HG13	15	0.16
(1,598)	1:36:B:LEU:HD22	1:36:B:LEU:HB2	2	0.16
(1,598)	1:36:B:LEU:HD22	1:36:B:LEU:HB2	13	0.16
(1,598)	1:36:B:LEU:HD21	1:36:B:LEU:HB2	14	0.16
(1,598)	1:36:B:LEU:HD22	1:36:B:LEU:HB2	18	0.16
(1,597)	1:36:A:LEU:HD22	1:36:A:LEU:HB2	2	0.16
(1,597)	1:36:A:LEU:HD22	1:36:A:LEU:HB2	13	0.16
(1,597)	1:36:A:LEU:HD21	1:36:A:LEU:HB2	14	0.16
(1,597)	1:36:A:LEU:HD22	1:36:A:LEU:HB2	18	0.16
(1,572)	1:49:B:LYS:HB3	1:49:B:LYS:HD2	17	0.16
(1,571)	1:49:A:LYS:HB3	1:49:A:LYS:HD2	17	0.16
(1,570)	1:91:B:LYS:HD3	1:91:B:LYS:HE2	6	0.16
(1,569)	1:91:A:LYS:HD3	1:91:A:LYS:HE2	6	0.16
(1,532)	1:30:B:LYS:HG2	1:34:B:LYS:HB2	15	0.16
(1,531)	1:30:A:LYS:HG2	1:34:A:LYS:HB2	15	0.16
(1,511)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	14	0.16
(1,466)	1:36:B:LEU:HD23	1:40:B:GLU:HG3	5	0.16
(1,465)	1:36:A:LEU:HD23	1:40:A:GLU:HG3	5	0.16
(1,386)	1:36:B:LEU:HD21	1:36:B:LEU:HA	12	0.16
(1,385)	1:36:A:LEU:HD21	1:36:A:LEU:HA	12	0.16
(1,332)	1:46:B:LYS:HE3	1:47:B:ASN:HB2	5	0.16
(1,331)	1:46:A:LYS:HE3	1:47:A:ASN:HB2	5	0.16
(1,318)	1:37:B:LEU:HD13	1:30:B:LYS:HA	7	0.16
(1,317)	1:37:A:LEU:HD13	1:30:A:LYS:HA	7	0.16
(1,290)	1:53:B:VAL:HG12	1:53:B:VAL:HA	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,290)	1:53:B:VAL:HG13	1:53:B:VAL:HA	7	0.16
(1,290)	1:53:B:VAL:HG12	1:53:B:VAL:HA	11	0.16
(1,290)	1:53:B:VAL:HG13	1:53:B:VAL:HA	12	0.16
(1,290)	1:53:B:VAL:HG13	1:53:B:VAL:HA	15	0.16
(1,289)	1:53:A:VAL:HG12	1:53:A:VAL:HA	6	0.16
(1,289)	1:53:A:VAL:HG13	1:53:A:VAL:HA	7	0.16
(1,289)	1:53:A:VAL:HG13	1:53:A:VAL:HA	9	0.16
(1,289)	1:53:A:VAL:HG12	1:53:A:VAL:HA	11	0.16
(1,289)	1:53:A:VAL:HG13	1:53:A:VAL:HA	15	0.16
(1,212)	1:36:B:LEU:HD11	1:33:B:LEU:HA	14	0.16
(1,211)	1:36:A:LEU:HD11	1:33:A:LEU:HA	14	0.16
(1,64)	1:49:B:LYS:HG2	1:50:B:ASP:H	14	0.16
(1,64)	1:49:B:LYS:HG2	1:50:B:ASP:H	15	0.16
(1,64)	1:49:B:LYS:HG2	1:50:B:ASP:H	16	0.16
(1,63)	1:49:A:LYS:HG2	1:50:A:ASP:H	14	0.16
(1,63)	1:49:A:LYS:HG2	1:50:A:ASP:H	16	0.16
(3,134)	1:82:B:LEU:N	1:78:B:VAL:O	5	0.15
(3,62)	1:82:A:LEU:N	1:78:A:VAL:O	5	0.15
(2,128)	1:18:B:TYR:H	1:36:B:LEU:HA	11	0.15
(2,127)	1:18:A:TYR:H	1:36:A:LEU:HA	11	0.15
(2,96)	1:83:B:LYS:H	1:79:B:ALA:H	5	0.15
(2,96)	1:83:B:LYS:H	1:79:B:ALA:H	12	0.15
(2,95)	1:83:A:LYS:H	1:79:A:ALA:H	5	0.15
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG22	8	0.15
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG22	8	0.15
(1,3804)	1:60:B:GLY:H	1:61:B:LEU:HD23	8	0.15
(1,3802)	1:10:B:GLY:H	1:12:B:VAL:HG23	4	0.15
(1,3801)	1:10:A:GLY:H	1:12:A:VAL:HG23	4	0.15
(1,3783)	1:50:A:ASP:H	1:53:A:VAL:HG23	7	0.15
(1,3776)	1:37:B:LEU:H	1:37:B:LEU:HD22	1	0.15
(1,3775)	1:37:A:LEU:H	1:37:A:LEU:HD22	1	0.15
(1,3768)	1:41:B:LEU:H	1:48:B:ILE:HG23	11	0.15
(1,3767)	1:41:A:LEU:H	1:48:A:ILE:HG23	11	0.15
(1,3700)	1:84:B:ALA:H	1:44:B:THR:HG23	2	0.15
(1,3699)	1:84:A:ALA:H	1:44:A:THR:HG23	2	0.15
(1,3699)	1:84:A:ALA:H	1:44:A:THR:HG22	10	0.15
(1,3693)	1:75:A:ILE:H	1:83:B:LYS:HG3	12	0.15
(1,3680)	1:54:B:ILE:H	1:54:B:ILE:HD13	20	0.15
(1,3679)	1:54:A:ILE:H	1:54:A:ILE:HD13	20	0.15
(1,3672)	1:48:B:ILE:H	1:49:B:LYS:HG2	15	0.15
(1,3671)	1:48:A:ILE:H	1:49:A:LYS:HG2	15	0.15
(1,3664)	1:47:B:ASN:H	1:46:B:LYS:HG3	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3663)	1:47:A:ASN:H	1:46:A:LYS:HG3	7	0.15
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB2	3	0.15
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB3	6	0.15
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB3	6	0.15
(1,3622)	1:87:B:TYR:H	1:85:B:ALA:HB3	8	0.15
(1,3621)	1:87:A:TYR:H	1:85:A:ALA:HB3	8	0.15
(1,3621)	1:87:A:TYR:H	1:85:A:ALA:HB2	9	0.15
(1,3620)	1:90:B:HIS:H	1:91:B:LYS:HB2	4	0.15
(1,3619)	1:90:A:HIS:H	1:91:A:LYS:HB2	4	0.15
(1,3604)	1:58:B:PHE:H	1:61:B:LEU:HB2	11	0.15
(1,3603)	1:58:A:PHE:H	1:61:A:LEU:HB2	11	0.15
(1,3596)	1:85:B:ALA:H	1:91:B:LYS:HB2	18	0.15
(1,3595)	1:85:A:ALA:H	1:91:A:LYS:HB2	18	0.15
(1,3590)	1:90:B:HIS:H	1:46:B:LYS:HB2	5	0.15
(1,3589)	1:90:A:HIS:H	1:46:A:LYS:HB2	5	0.15
(1,3561)	1:84:A:ALA:H	1:83:A:LYS:HB2	15	0.15
(1,3561)	1:84:A:ALA:H	1:83:A:LYS:HB2	20	0.15
(1,3554)	1:66:B:ASP:H	1:68:B:GLN:HG3	8	0.15
(1,3553)	1:66:A:ASP:H	1:68:A:GLN:HG3	8	0.15
(1,3550)	1:48:B:ILE:H	1:46:B:LYS:HD2	1	0.15
(1,3550)	1:48:B:ILE:H	1:46:B:LYS:HD2	3	0.15
(1,3550)	1:48:B:ILE:H	1:46:B:LYS:HD2	5	0.15
(1,3550)	1:48:B:ILE:H	1:46:B:LYS:HD2	11	0.15
(1,3550)	1:48:B:ILE:H	1:46:B:LYS:HD2	14	0.15
(1,3549)	1:48:A:ILE:H	1:46:A:LYS:HD2	1	0.15
(1,3549)	1:48:A:ILE:H	1:46:A:LYS:HD2	3	0.15
(1,3549)	1:48:A:ILE:H	1:46:A:LYS:HD2	10	0.15
(1,3549)	1:48:A:ILE:H	1:46:A:LYS:HD2	11	0.15
(1,3534)	1:50:B:ASP:H	1:46:B:LYS:HD2	18	0.15
(1,3533)	1:50:A:ASP:H	1:46:A:LYS:HD2	18	0.15
(1,3528)	1:49:B:LYS:H	1:46:B:LYS:HD2	3	0.15
(1,3527)	1:49:A:LYS:H	1:46:A:LYS:HD2	3	0.15
(1,3527)	1:49:A:LYS:H	1:46:A:LYS:HD2	5	0.15
(1,3476)	1:57:B:ILE:H	1:56:B:GLU:HG2	7	0.15
(1,3476)	1:57:B:ILE:H	1:56:B:GLU:HG3	9	0.15
(1,3476)	1:57:B:ILE:H	1:56:B:GLU:HG2	15	0.15
(1,3475)	1:57:A:ILE:H	1:56:A:GLU:HG2	7	0.15
(1,3475)	1:57:A:ILE:H	1:56:A:GLU:HG2	15	0.15
(1,3475)	1:57:A:ILE:H	1:56:A:GLU:HG2	17	0.15
(1,3470)	1:70:B:ASP:H	1:62:B:ASP:HB2	2	0.15
(1,3460)	1:57:B:ILE:H	1:55:B:ASP:HB3	2	0.15
(1,3460)	1:57:B:ILE:H	1:55:B:ASP:HB3	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3459)	1:57:A:ILE:H	1:55:A:ASP:HB3	2	0.15
(1,3459)	1:57:A:ILE:H	1:55:A:ASP:HB3	7	0.15
(1,3459)	1:57:A:ILE:H	1:55:A:ASP:HB3	16	0.15
(1,3452)	1:72:B:GLN:H	1:83:A:LYS:HE2	11	0.15
(1,3451)	1:72:A:GLN:H	1:83:B:LYS:HE2	11	0.15
(1,3450)	1:92:B:GLU:H	1:90:B:HIS:HB3	15	0.15
(1,3449)	1:92:A:GLU:H	1:90:A:HIS:HB3	15	0.15
(1,3449)	1:92:A:GLU:H	1:90:A:HIS:HB3	20	0.15
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB3	8	0.15
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB3	11	0.15
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB3	8	0.15
(1,3420)	1:87:B:TYR:H	1:88:B:HIS:HB3	10	0.15
(1,3381)	1:33:A:LEU:H	1:31:A:GLY:HA3	11	0.15
(1,3350)	1:48:B:ILE:H	1:46:B:LYS:HA	11	0.15
(1,3349)	1:48:A:ILE:H	1:46:A:LYS:HA	11	0.15
(1,3336)	1:51:B:LYS:H	1:52:B:ALA:HA	1	0.15
(1,3336)	1:51:B:LYS:H	1:52:B:ALA:HA	5	0.15
(1,3336)	1:51:B:LYS:H	1:52:B:ALA:HA	7	0.15
(1,3336)	1:51:B:LYS:H	1:52:B:ALA:HA	12	0.15
(1,3335)	1:51:A:LYS:H	1:52:A:ALA:HA	1	0.15
(1,3335)	1:51:A:LYS:H	1:52:A:ALA:HA	2	0.15
(1,3335)	1:51:A:LYS:H	1:52:A:ALA:HA	4	0.15
(1,3310)	1:54:B:ILE:H	1:49:B:LYS:H	4	0.15
(1,3309)	1:54:A:ILE:H	1:49:A:LYS:H	4	0.15
(1,3309)	1:54:A:ILE:H	1:49:A:LYS:H	11	0.15
(1,3298)	1:75:B:ILE:H	1:72:B:GLN:H	1	0.15
(1,3298)	1:75:B:ILE:H	1:72:B:GLN:H	17	0.15
(1,3297)	1:75:A:ILE:H	1:72:A:GLN:H	1	0.15
(1,3297)	1:75:A:ILE:H	1:72:A:GLN:H	17	0.15
(1,3284)	1:68:B:GLN:H	1:64:B:ASN:H	15	0.15
(1,3283)	1:68:A:GLN:H	1:64:A:ASN:H	7	0.15
(1,3283)	1:68:A:GLN:H	1:64:A:ASN:H	15	0.15
(1,3238)	1:81:B:ALA:H	1:85:B:ALA:H	15	0.15
(1,3237)	1:81:A:ALA:H	1:85:A:ALA:H	15	0.15
(1,3180)	1:30:B:LYS:HG2	1:55:B:ASP:HB2	15	0.15
(1,3136)	1:57:B:ILE:HG22	1:57:B:ILE:HB	12	0.15
(1,3136)	1:80:B:ILE:HG22	1:80:B:ILE:HB	14	0.15
(1,3136)	1:48:B:ILE:HG23	1:48:B:ILE:HB	17	0.15
(1,3135)	1:57:A:ILE:HG22	1:57:A:ILE:HB	12	0.15
(1,3135)	1:80:A:ILE:HG22	1:80:A:ILE:HB	14	0.15
(1,3135)	1:48:A:ILE:HG23	1:48:A:ILE:HB	17	0.15
(1,3132)	1:54:B:ILE:HG21	1:58:B:PHE:HB3	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3132)	1:54:B:ILE:HG23	1:58:B:PHE:HB3	14	0.15
(1,3131)	1:54:A:ILE:HG21	1:58:A:PHE:HB3	8	0.15
(1,3104)	1:30:B:LYS:HG2	1:54:B:ILE:HG23	10	0.15
(1,3104)	1:30:B:LYS:HG2	1:30:B:LYS:HD3	11	0.15
(1,3103)	1:30:A:LYS:HG2	1:54:A:ILE:HG23	10	0.15
(1,3103)	1:30:A:LYS:HG2	1:30:A:LYS:HD3	11	0.15
(1,3096)	1:54:B:ILE:HG12	1:54:B:ILE:HG23	5	0.15
(1,3095)	1:54:A:ILE:HG12	1:54:A:ILE:HG22	1	0.15
(1,3095)	1:54:A:ILE:HG12	1:54:A:ILE:HG23	5	0.15
(1,3076)	1:85:B:ALA:HA	1:12:A:VAL:HG22	9	0.15
(1,3076)	1:85:B:ALA:HA	1:12:A:VAL:HG22	12	0.15
(1,3073)	1:59:A:GLN:HA	1:30:A:LYS:HD3	20	0.15
(1,3038)	1:35:B:GLN:HB3	1:36:B:LEU:HG	7	0.15
(1,3038)	1:35:B:GLN:HB3	1:36:B:LEU:HG	12	0.15
(1,3037)	1:35:A:GLN:HB3	1:36:A:LEU:HG	7	0.15
(1,3037)	1:35:A:GLN:HB3	1:36:A:LEU:HG	12	0.15
(1,3012)	1:53:B:VAL:HG11	1:53:B:VAL:HA	10	0.15
(1,3011)	1:53:A:VAL:HG11	1:53:A:VAL:HA	10	0.15
(1,2984)	1:41:B:LEU:HB2	1:48:B:ILE:HG13	18	0.15
(1,2983)	1:41:A:LEU:HB2	1:48:A:ILE:HG13	18	0.15
(1,2954)	1:41:B:LEU:HB3	1:44:B:THR:HG22	11	0.15
(1,2953)	1:41:A:LEU:HB3	1:44:A:THR:HG22	11	0.15
(1,2940)	1:51:B:LYS:HD2	1:54:B:ILE:HD12	13	0.15
(1,2939)	1:51:A:LYS:HD2	1:54:A:ILE:HD12	13	0.15
(1,2937)	1:7:A:HIS:HB2	1:44:B:THR:HG21	12	0.15
(1,2860)	1:53:B:VAL:HG13	1:46:B:LYS:HG3	5	0.15
(1,2859)	1:53:A:VAL:HG13	1:46:A:LYS:HG3	5	0.15
(1,2795)	1:46:A:LYS:HG3	1:46:A:LYS:HE2	9	0.15
(1,2777)	1:81:A:ALA:HB2	1:44:A:THR:HB	5	0.15
(1,2739)	1:30:A:LYS:HB3	1:51:A:LYS:HD2	4	0.15
(1,2724)	1:84:B:ALA:HB1	1:91:B:LYS:HD3	5	0.15
(1,2723)	1:84:A:ALA:HB1	1:91:A:LYS:HD3	5	0.15
(1,2718)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	4	0.15
(1,2718)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	18	0.15
(1,2717)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	4	0.15
(1,2717)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	18	0.15
(1,2711)	1:30:A:LYS:HB3	1:51:A:LYS:HD2	4	0.15
(1,2698)	1:45:B:ILE:HB	1:48:B:ILE:HA	7	0.15
(1,2698)	1:45:B:ILE:HB	1:48:B:ILE:HA	16	0.15
(1,2697)	1:45:A:ILE:HB	1:48:A:ILE:HA	7	0.15
(1,2697)	1:45:A:ILE:HB	1:48:A:ILE:HA	16	0.15
(1,2688)	1:30:B:LYS:HD2	1:51:B:LYS:HD2	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2658)	1:37:B:LEU:HD22	1:37:B:LEU:HG	4	0.15
(1,2658)	1:37:B:LEU:HD21	1:37:B:LEU:HG	5	0.15
(1,2658)	1:37:B:LEU:HD23	1:37:B:LEU:HG	17	0.15
(1,2657)	1:37:A:LEU:HD22	1:37:A:LEU:HG	4	0.15
(1,2657)	1:37:A:LEU:HD21	1:37:A:LEU:HG	5	0.15
(1,2657)	1:37:A:LEU:HD23	1:37:A:LEU:HG	17	0.15
(1,2618)	1:39:B:LYS:HB3	1:40:B:GLU:HB3	7	0.15
(1,2617)	1:39:A:LYS:HB3	1:40:A:GLU:HB3	7	0.15
(1,2601)	1:42:A:ALA:HA	1:48:A:ILE:HB	15	0.15
(1,2595)	1:85:A:ALA:HB2	1:9:B:GLU:HB2	8	0.15
(1,2566)	1:86:B:HIS:HB3	1:83:B:LYS:HB3	6	0.15
(1,2565)	1:86:A:HIS:HB3	1:83:A:LYS:HB3	6	0.15
(1,2465)	1:32:A:GLU:HG2	1:32:A:GLU:HA	6	0.15
(1,2436)	1:35:B:GLN:HG2	1:35:B:GLN:HB3	8	0.15
(1,2435)	1:35:A:GLN:HG2	1:35:A:GLN:HB3	8	0.15
(1,2387)	1:12:A:VAL:HB	1:13:A:ASN:HB2	12	0.15
(1,2360)	1:30:B:LYS:HG2	1:30:B:LYS:HE2	3	0.15
(1,2360)	1:30:B:LYS:HG2	1:30:B:LYS:HE3	13	0.15
(1,2360)	1:30:B:LYS:HG2	1:30:B:LYS:HE3	16	0.15
(1,2359)	1:30:A:LYS:HG2	1:30:A:LYS:HE2	3	0.15
(1,2359)	1:30:A:LYS:HG2	1:30:A:LYS:HE3	16	0.15
(1,2359)	1:30:A:LYS:HG2	1:30:A:LYS:HE3	19	0.15
(1,2302)	1:51:B:LYS:HE2	1:55:B:ASP:HB2	18	0.15
(1,2300)	1:53:B:VAL:HA	1:50:B:ASP:HB3	5	0.15
(1,2275)	1:72:A:GLN:HB2	1:70:A:ASP:HB3	15	0.15
(1,2267)	1:75:A:ILE:HD11	1:83:B:LYS:HE3	13	0.15
(1,2260)	1:72:B:GLN:HA	1:75:B:ILE:HA	1	0.15
(1,2259)	1:72:A:GLN:HA	1:83:B:LYS:HE2	9	0.15
(1,2256)	1:52:B:ALA:HB1	1:50:B:ASP:HB2	1	0.15
(1,2246)	1:91:B:LYS:HB2	1:91:B:LYS:HE2	15	0.15
(1,2245)	1:91:A:LYS:HB2	1:91:A:LYS:HE2	15	0.15
(1,2240)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	15	0.15
(1,2239)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	6	0.15
(1,2239)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	15	0.15
(1,2220)	1:83:B:LYS:HD2	1:83:B:LYS:HE3	2	0.15
(1,2219)	1:83:A:LYS:HD2	1:83:A:LYS:HE3	2	0.15
(1,2210)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	15	0.15
(1,2209)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	6	0.15
(1,2209)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	15	0.15
(1,2196)	1:59:B:GLN:HA	1:58:B:PHE:HB3	5	0.15
(1,2195)	1:59:A:GLN:HA	1:58:A:PHE:HB3	5	0.15
(1,2195)	1:59:A:GLN:HA	1:58:A:PHE:HB3	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2178)	1:54:B:ILE:HG12	1:58:B:PHE:HB2	7	0.15
(1,2168)	1:86:B:HIS:HA	1:88:B:HIS:HB3	5	0.15
(1,2168)	1:86:B:HIS:HA	1:88:B:HIS:HB3	20	0.15
(1,2167)	1:86:A:HIS:HA	1:88:A:HIS:HB3	5	0.15
(1,2167)	1:86:A:HIS:HA	1:88:A:HIS:HB3	20	0.15
(1,2058)	1:73:B:GLU:HB3	1:74:B:PHE:HA	11	0.15
(1,1980)	1:75:B:ILE:HB	1:73:B:GLU:HA	3	0.15
(1,1979)	1:75:A:ILE:HB	1:73:A:GLU:HA	3	0.15
(1,1892)	1:46:B:LYS:HG2	1:90:B:HIS:HA	15	0.15
(1,1891)	1:46:A:LYS:HG2	1:90:A:HIS:HA	14	0.15
(1,1891)	1:46:A:LYS:HG2	1:90:A:HIS:HA	15	0.15
(1,1884)	1:51:B:LYS:HB2	1:50:B:ASP:HA	15	0.15
(1,1883)	1:51:A:LYS:HB2	1:50:A:ASP:HA	15	0.15
(1,1852)	1:75:B:ILE:H	1:75:B:ILE:HG23	2	0.15
(1,1851)	1:75:A:ILE:H	1:75:A:ILE:HG23	2	0.15
(1,1851)	1:75:A:ILE:H	1:75:A:ILE:HG23	6	0.15
(1,1850)	1:54:B:ILE:H	1:53:B:VAL:HG13	1	0.15
(1,1849)	1:54:A:ILE:H	1:53:A:VAL:HG13	1	0.15
(1,1849)	1:54:A:ILE:H	1:53:A:VAL:HG11	7	0.15
(1,1833)	1:59:A:GLN:HG2	1:62:A:ASP:H	2	0.15
(1,1811)	1:44:A:THR:H	1:46:A:LYS:HA	12	0.15
(1,1734)	1:36:B:LEU:HD21	1:8:A:LEU:HD11	10	0.15
(1,1696)	1:83:B:LYS:HE3	1:71:A:PHE:HB2	18	0.15
(1,1695)	1:83:A:LYS:HE3	1:71:B:PHE:HB2	18	0.15
(1,1625)	1:48:A:ILE:H	1:53:A:VAL:HG13	8	0.15
(1,1617)	1:63:A:ALA:H	1:61:A:LEU:HB3	6	0.15
(1,1617)	1:63:A:ALA:H	1:61:A:LEU:HB3	15	0.15
(1,1590)	1:64:B:ASN:H	1:63:B:ALA:HB1	8	0.15
(1,1560)	1:77:B:LEU:H	1:61:B:LEU:HB2	3	0.15
(1,1559)	1:77:A:LEU:H	1:61:A:LEU:HB2	3	0.15
(1,1541)	1:44:A:THR:H	1:45:A:ILE:HB	10	0.15
(1,1440)	1:73:B:GLU:H	1:72:B:GLN:HG2	20	0.15
(1,1439)	1:73:A:GLU:H	1:72:A:GLN:HG2	9	0.15
(1,1414)	1:59:B:GLN:H	1:59:B:GLN:HG3	12	0.15
(1,1098)	1:54:B:ILE:H	1:50:B:ASP:HA	1	0.15
(1,1098)	1:54:B:ILE:H	1:50:B:ASP:HA	2	0.15
(1,1098)	1:54:B:ILE:H	1:50:B:ASP:HA	5	0.15
(1,1098)	1:54:B:ILE:H	1:50:B:ASP:HA	6	0.15
(1,1098)	1:54:B:ILE:H	1:50:B:ASP:HA	13	0.15
(1,1098)	1:54:B:ILE:H	1:50:B:ASP:HA	19	0.15
(1,1097)	1:54:A:ILE:H	1:50:A:ASP:HA	1	0.15
(1,1097)	1:54:A:ILE:H	1:50:A:ASP:HA	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1097)	1:54:A:ILE:H	1:50:A:ASP:HA	6	0.15
(1,1097)	1:54:A:ILE:H	1:50:A:ASP:HA	13	0.15
(1,1097)	1:54:A:ILE:H	1:50:A:ASP:HA	19	0.15
(1,918)	1:91:B:LYS:H	1:90:B:HIS:H	1	0.15
(1,917)	1:91:A:LYS:H	1:90:A:HIS:H	1	0.15
(1,917)	1:91:A:LYS:H	1:90:A:HIS:H	9	0.15
(1,796)	1:75:B:ILE:HG22	1:75:B:ILE:HG21	1	0.15
(1,796)	1:75:B:ILE:HG22	1:75:B:ILE:HG23	3	0.15
(1,796)	1:75:B:ILE:HG22	1:75:B:ILE:HG23	5	0.15
(1,796)	1:75:B:ILE:HG22	1:75:B:ILE:HG21	8	0.15
(1,796)	1:75:B:ILE:HG22	1:75:B:ILE:HG21	10	0.15
(1,796)	1:75:B:ILE:HG22	1:75:B:ILE:HG23	12	0.15
(1,796)	1:75:B:ILE:HG22	1:75:B:ILE:HG23	14	0.15
(1,796)	1:75:B:ILE:HG22	1:75:B:ILE:HG21	17	0.15
(1,795)	1:75:A:ILE:HG22	1:75:A:ILE:HG21	3	0.15
(1,795)	1:75:A:ILE:HG22	1:75:A:ILE:HG23	5	0.15
(1,795)	1:75:A:ILE:HG22	1:75:A:ILE:HG23	6	0.15
(1,795)	1:75:A:ILE:HG21	1:75:A:ILE:HG23	7	0.15
(1,795)	1:75:A:ILE:HG21	1:75:A:ILE:HG23	9	0.15
(1,795)	1:75:A:ILE:HG21	1:75:A:ILE:HG23	10	0.15
(1,795)	1:75:A:ILE:HG22	1:75:A:ILE:HG23	13	0.15
(1,795)	1:75:A:ILE:HG22	1:75:A:ILE:HG21	14	0.15
(1,795)	1:75:A:ILE:HG22	1:75:A:ILE:HG21	16	0.15
(1,795)	1:75:A:ILE:HG22	1:75:A:ILE:HG21	17	0.15
(1,662)	1:57:B:ILE:HG12	1:80:B:ILE:HG12	5	0.15
(1,661)	1:57:A:ILE:HG12	1:80:A:ILE:HG12	5	0.15
(1,618)	1:42:B:ALA:HB3	1:43:B:ASN:HB3	2	0.15
(1,617)	1:42:A:ALA:HB3	1:43:A:ASN:HB3	2	0.15
(1,597)	1:36:A:LEU:HD23	1:36:A:LEU:HB2	10	0.15
(1,578)	1:89:B:THR:HG21	1:91:B:LYS:HB2	15	0.15
(1,577)	1:89:A:THR:HG21	1:91:A:LYS:HB2	15	0.15
(1,572)	1:49:B:LYS:HB3	1:49:B:LYS:HD2	10	0.15
(1,572)	1:49:B:LYS:HB3	1:49:B:LYS:HD2	15	0.15
(1,571)	1:49:A:LYS:HB3	1:49:A:LYS:HD2	10	0.15
(1,571)	1:49:A:LYS:HB3	1:49:A:LYS:HD2	15	0.15
(1,556)	1:45:B:ILE:HB	1:44:B:THR:HB	18	0.15
(1,555)	1:45:A:ILE:HB	1:44:A:THR:HB	18	0.15
(1,537)	1:75:A:ILE:HD11	1:75:A:ILE:HB	8	0.15
(1,512)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	14	0.15
(1,465)	1:36:A:LEU:HD21	1:40:A:GLU:HG3	1	0.15
(1,442)	1:49:B:LYS:HB2	1:53:B:VAL:HB	4	0.15
(1,441)	1:49:A:LYS:HB2	1:53:A:VAL:HB	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:12:B:VAL:HA	1:86:A:HIS:HB3	18	0.15
(1,397)	1:12:A:VAL:HA	1:86:B:HIS:HB3	18	0.15
(1,299)	1:48:A:ILE:HD11	1:37:A:LEU:HA	3	0.15
(1,290)	1:53:B:VAL:HG13	1:53:B:VAL:HA	9	0.15
(1,290)	1:53:B:VAL:HG12	1:53:B:VAL:HA	14	0.15
(1,290)	1:53:B:VAL:HG12	1:53:B:VAL:HA	16	0.15
(1,289)	1:53:A:VAL:HG13	1:53:A:VAL:HA	12	0.15
(1,289)	1:53:A:VAL:HG12	1:53:A:VAL:HA	14	0.15
(1,289)	1:53:A:VAL:HG12	1:53:A:VAL:HA	16	0.15
(1,253)	1:49:A:LYS:HE2	1:38:A:THR:HB	5	0.15
(1,204)	1:80:B:ILE:HD11	1:76:B:SER:HA	3	0.15
(1,203)	1:80:A:ILE:HD11	1:76:A:SER:HA	3	0.15
(1,76)	1:41:B:LEU:H	1:40:B:GLU:HG2	13	0.15
(1,36)	1:90:B:HIS:H	1:89:B:THR:HB	11	0.15
(1,35)	1:90:A:HIS:H	1:89:A:THR:HB	11	0.15
(1,34)	1:8:B:LEU:H	1:8:B:LEU:HD13	5	0.15
(1,33)	1:8:A:LEU:H	1:8:A:LEU:HD13	5	0.15
(3,134)	1:82:B:LEU:N	1:78:B:VAL:O	2	0.14
(3,134)	1:82:B:LEU:N	1:78:B:VAL:O	10	0.14
(3,134)	1:82:B:LEU:N	1:78:B:VAL:O	17	0.14
(3,104)	1:40:B:GLU:N	1:36:B:LEU:O	12	0.14
(3,62)	1:82:A:LEU:N	1:78:A:VAL:O	2	0.14
(3,62)	1:82:A:LEU:N	1:78:A:VAL:O	10	0.14
(3,62)	1:82:A:LEU:N	1:78:A:VAL:O	17	0.14
(3,17)	1:18:A:TYR:H	1:14:A:ILE:O	18	0.14
(2,95)	1:83:A:LYS:H	1:79:A:ALA:H	12	0.14
(2,16)	1:39:B:LYS:HB2	1:42:B:ALA:H	1	0.14
(2,15)	1:39:A:LYS:HB2	1:42:A:ALA:H	1	0.14
(1,3796)	1:62:B:ASP:H	1:61:B:LEU:HD12	2	0.14
(1,3784)	1:50:B:ASP:H	1:53:B:VAL:HG23	7	0.14
(1,3776)	1:37:B:LEU:H	1:37:B:LEU:HD23	18	0.14
(1,3775)	1:37:A:LEU:H	1:37:A:LEU:HD23	18	0.14
(1,3774)	1:55:B:ASP:H	1:54:B:ILE:HG23	3	0.14
(1,3773)	1:55:A:ASP:H	1:54:A:ILE:HG23	3	0.14
(1,3748)	1:30:B:LYS:H	1:30:B:LYS:HD2	18	0.14
(1,3747)	1:30:A:LYS:H	1:30:A:LYS:HD2	18	0.14
(1,3700)	1:84:B:ALA:H	1:44:B:THR:HG21	3	0.14
(1,3699)	1:84:A:ALA:H	1:44:A:THR:HG21	3	0.14
(1,3664)	1:47:B:ASN:H	1:46:B:LYS:HG3	18	0.14
(1,3663)	1:47:A:ASN:H	1:46:A:LYS:HG3	18	0.14
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB3	12	0.14
(1,3622)	1:87:B:TYR:H	1:85:B:ALA:HB2	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3604)	1:58:B:PHE:H	1:61:B:LEU:HB2	9	0.14
(1,3603)	1:58:A:PHE:H	1:61:A:LEU:HB2	9	0.14
(1,3590)	1:90:B:HIS:H	1:91:B:LYS:HD3	15	0.14
(1,3566)	1:44:B:THR:H	1:48:B:ILE:HB	1	0.14
(1,3565)	1:44:A:THR:H	1:48:A:ILE:HB	1	0.14
(1,3562)	1:84:B:ALA:H	1:83:B:LYS:HB2	15	0.14
(1,3550)	1:48:B:ILE:H	1:46:B:LYS:HD2	6	0.14
(1,3549)	1:48:A:ILE:H	1:46:A:LYS:HD2	6	0.14
(1,3549)	1:48:A:ILE:H	1:46:A:LYS:HD2	14	0.14
(1,3528)	1:49:B:LYS:H	1:46:B:LYS:HD2	2	0.14
(1,3528)	1:49:B:LYS:H	1:46:B:LYS:HD2	5	0.14
(1,3528)	1:49:B:LYS:H	1:46:B:LYS:HD3	19	0.14
(1,3527)	1:49:A:LYS:H	1:46:A:LYS:HD2	2	0.14
(1,3527)	1:49:A:LYS:H	1:46:A:LYS:HD2	6	0.14
(1,3527)	1:49:A:LYS:H	1:46:A:LYS:HD3	19	0.14
(1,3516)	1:39:B:LYS:H	1:39:B:LYS:HB2	7	0.14
(1,3516)	1:39:B:LYS:H	1:39:B:LYS:HB2	12	0.14
(1,3515)	1:39:A:LYS:H	1:39:A:LYS:HB2	7	0.14
(1,3515)	1:39:A:LYS:H	1:39:A:LYS:HB2	12	0.14
(1,3493)	1:64:A:ASN:H	1:66:A:ASP:HB3	4	0.14
(1,3480)	1:85:B:ALA:H	1:12:A:VAL:HB	10	0.14
(1,3476)	1:57:B:ILE:H	1:56:B:GLU:HG2	17	0.14
(1,3475)	1:57:A:ILE:H	1:56:A:GLU:HG3	9	0.14
(1,3460)	1:57:B:ILE:H	1:55:B:ASP:HB3	7	0.14
(1,3459)	1:57:A:ILE:H	1:55:A:ASP:HB3	12	0.14
(1,3459)	1:57:A:ILE:H	1:55:A:ASP:HB3	19	0.14
(1,3452)	1:72:B:GLN:H	1:83:A:LYS:HE3	1	0.14
(1,3451)	1:72:A:GLN:H	1:83:B:LYS:HE3	7	0.14
(1,3451)	1:72:A:GLN:H	1:83:B:LYS:HE3	20	0.14
(1,3450)	1:92:B:GLU:H	1:90:B:HIS:HB3	20	0.14
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB3	11	0.14
(1,3414)	1:59:B:GLN:H	1:54:B:ILE:HA	14	0.14
(1,3413)	1:59:A:GLN:H	1:54:A:ILE:HA	14	0.14
(1,3382)	1:33:B:LEU:H	1:31:B:GLY:HA3	11	0.14
(1,3336)	1:51:B:LYS:H	1:52:B:ALA:HA	18	0.14
(1,3335)	1:51:A:LYS:H	1:52:A:ALA:HA	18	0.14
(1,3310)	1:54:B:ILE:H	1:49:B:LYS:H	5	0.14
(1,3310)	1:54:B:ILE:H	1:49:B:LYS:H	11	0.14
(1,3309)	1:54:A:ILE:H	1:49:A:LYS:H	5	0.14
(1,3298)	1:75:B:ILE:H	1:72:B:GLN:H	13	0.14
(1,3297)	1:75:A:ILE:H	1:72:A:GLN:H	13	0.14
(1,3288)	1:87:B:TYR:H	1:89:B:THR:H	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3288)	1:87:B:TYR:H	1:89:B:THR:H	13	0.14
(1,3287)	1:87:A:TYR:H	1:89:A:THR:H	6	0.14
(1,3287)	1:87:A:TYR:H	1:89:A:THR:H	13	0.14
(1,3284)	1:68:B:GLN:H	1:64:B:ASN:H	10	0.14
(1,3283)	1:68:A:GLN:H	1:64:A:ASN:H	5	0.14
(1,3283)	1:68:A:GLN:H	1:64:A:ASN:H	10	0.14
(1,3194)	1:84:B:ALA:HB1	1:45:B:ILE:HG21	4	0.14
(1,3193)	1:84:A:ALA:HB1	1:45:A:ILE:HG21	4	0.14
(1,3179)	1:30:A:LYS:HG2	1:55:A:ASP:HB2	15	0.14
(1,3167)	1:75:A:ILE:HG21	1:76:A:SER:HA	15	0.14
(1,3156)	1:82:B:LEU:HD13	1:82:B:LEU:HG	1	0.14
(1,3155)	1:82:A:LEU:HD13	1:82:A:LEU:HG	1	0.14
(1,3136)	1:57:B:ILE:HG23	1:57:B:ILE:HB	6	0.14
(1,3136)	1:80:B:ILE:HG21	1:80:B:ILE:HB	11	0.14
(1,3136)	1:80:B:ILE:HG21	1:80:B:ILE:HB	18	0.14
(1,3136)	1:57:B:ILE:HG22	1:57:B:ILE:HB	20	0.14
(1,3135)	1:80:A:ILE:HG23	1:80:A:ILE:HB	5	0.14
(1,3135)	1:57:A:ILE:HG23	1:57:A:ILE:HB	6	0.14
(1,3135)	1:80:A:ILE:HG21	1:80:A:ILE:HB	11	0.14
(1,3135)	1:57:A:ILE:HG22	1:57:A:ILE:HB	20	0.14
(1,3096)	1:54:B:ILE:HG12	1:54:B:ILE:HG22	13	0.14
(1,3095)	1:54:A:ILE:HG12	1:54:A:ILE:HG22	13	0.14
(1,3078)	1:80:B:ILE:HD13	1:60:B:GLY:HA3	2	0.14
(1,3077)	1:80:A:ILE:HD13	1:60:A:GLY:HA3	2	0.14
(1,3075)	1:85:A:ALA:HA	1:12:B:VAL:HG22	9	0.14
(1,3056)	1:37:B:LEU:HD21	1:40:B:GLU:HB3	3	0.14
(1,3056)	1:37:B:LEU:HD22	1:40:B:GLU:HB3	20	0.14
(1,3055)	1:37:A:LEU:HD21	1:40:A:GLU:HB3	3	0.14
(1,3055)	1:37:A:LEU:HD22	1:40:A:GLU:HB3	20	0.14
(1,3048)	1:30:B:LYS:HA	1:33:B:LEU:HD22	1	0.14
(1,3047)	1:30:A:LYS:HA	1:33:A:LEU:HD22	1	0.14
(1,3016)	1:53:B:VAL:HG12	1:50:B:ASP:HB2	17	0.14
(1,3015)	1:53:A:VAL:HG12	1:50:A:ASP:HB2	17	0.14
(1,2956)	1:74:B:PHE:HB2	1:61:B:LEU:HB3	10	0.14
(1,2955)	1:74:A:PHE:HB2	1:61:A:LEU:HB3	10	0.14
(1,2938)	1:7:B:HIS:HB2	1:44:A:THR:HG21	12	0.14
(1,2844)	1:42:B:ALA:HB1	1:43:B:ASN:HB3	15	0.14
(1,2843)	1:42:A:ALA:HB1	1:43:A:ASN:HB3	15	0.14
(1,2834)	1:79:B:ALA:HB3	1:76:B:SER:HB3	5	0.14
(1,2834)	1:79:B:ALA:HB1	1:76:B:SER:HB3	17	0.14
(1,2833)	1:79:A:ALA:HB1	1:76:A:SER:HB3	17	0.14
(1,2779)	1:42:A:ALA:HB3	1:38:A:THR:HA	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2704)	1:91:B:LYS:HD3	1:91:B:LYS:HE2	3	0.14
(1,2703)	1:91:A:LYS:HD3	1:91:A:LYS:HE2	3	0.14
(1,2632)	1:54:B:ILE:HG23	1:34:B:LYS:HB2	11	0.14
(1,2631)	1:54:A:ILE:HG23	1:34:A:LYS:HB2	11	0.14
(1,2630)	1:81:B:ALA:HB3	1:41:B:LEU:HB3	13	0.14
(1,2629)	1:81:A:ALA:HB3	1:41:A:LEU:HB3	13	0.14
(1,2602)	1:42:B:ALA:HA	1:48:B:ILE:HB	11	0.14
(1,2602)	1:42:B:ALA:HA	1:48:B:ILE:HB	15	0.14
(1,2596)	1:85:B:ALA:HB2	1:9:A:GLU:HB2	8	0.14
(1,2595)	1:85:A:ALA:HB3	1:9:B:GLU:HB2	3	0.14
(1,2558)	1:39:B:LYS:HE3	1:39:B:LYS:HB3	19	0.14
(1,2557)	1:39:A:LYS:HE3	1:39:A:LYS:HB3	19	0.14
(1,2510)	1:83:B:LYS:HE3	1:72:A:GLN:HB3	5	0.14
(1,2509)	1:83:A:LYS:HE3	1:72:B:GLN:HB3	5	0.14
(1,2466)	1:6:B:GLU:HB2	1:6:B:GLU:HA	2	0.14
(1,2466)	1:6:B:GLU:HB2	1:6:B:GLU:HA	4	0.14
(1,2466)	1:6:B:GLU:HB2	1:6:B:GLU:HA	13	0.14
(1,2465)	1:6:A:GLU:HB2	1:6:A:GLU:HA	2	0.14
(1,2465)	1:6:A:GLU:HB2	1:6:A:GLU:HA	4	0.14
(1,2465)	1:6:A:GLU:HB2	1:6:A:GLU:HA	13	0.14
(1,2411)	1:75:A:ILE:HD13	1:72:A:GLN:HG3	18	0.14
(1,2394)	1:56:B:GLU:HG2	1:59:B:GLN:HG3	19	0.14
(1,2388)	1:12:B:VAL:HB	1:13:B:ASN:HB2	12	0.14
(1,2301)	1:51:A:LYS:HE2	1:55:A:ASP:HB2	18	0.14
(1,2299)	1:53:A:VAL:HA	1:50:A:ASP:HB3	5	0.14
(1,2296)	1:59:B:GLN:HG3	1:55:B:ASP:HB3	6	0.14
(1,2295)	1:59:A:GLN:HG3	1:55:A:ASP:HB3	6	0.14
(1,2260)	1:72:B:GLN:HA	1:83:A:LYS:HE2	9	0.14
(1,2240)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	4	0.14
(1,2240)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	6	0.14
(1,2239)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	4	0.14
(1,2219)	1:83:A:LYS:HD2	1:83:A:LYS:HE3	9	0.14
(1,2210)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	4	0.14
(1,2210)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	6	0.14
(1,2209)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	4	0.14
(1,2196)	1:59:B:GLN:HA	1:58:B:PHE:HB3	13	0.14
(1,2186)	1:46:B:LYS:HA	1:47:B:ASN:HB2	15	0.14
(1,2185)	1:46:A:LYS:HA	1:47:A:ASN:HB2	15	0.14
(1,2180)	1:13:B:ASN:HB2	1:16:B:HIS:HB3	6	0.14
(1,2179)	1:13:A:ASN:HB2	1:16:A:HIS:HB3	6	0.14
(1,2177)	1:54:A:ILE:HG12	1:58:A:PHE:HB2	7	0.14
(1,2136)	1:45:B:ILE:HG13	1:37:B:LEU:HA	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2135)	1:45:A:ILE:HG13	1:37:A:LEU:HA	17	0.14
(1,2057)	1:73:A:GLU:HB3	1:74:A:PHE:HA	11	0.14
(1,2040)	1:48:B:ILE:HD12	1:42:B:ALA:HA	2	0.14
(1,2039)	1:48:A:ILE:HD12	1:42:A:ALA:HA	2	0.14
(1,1936)	1:91:B:LYS:HD2	1:84:B:ALA:HA	2	0.14
(1,1935)	1:91:A:LYS:HD2	1:84:A:ALA:HA	2	0.14
(1,1892)	1:46:B:LYS:HG2	1:90:B:HIS:HA	1	0.14
(1,1892)	1:46:B:LYS:HG2	1:90:B:HIS:HA	14	0.14
(1,1886)	1:49:B:LYS:HB2	1:47:B:ASN:HA	19	0.14
(1,1852)	1:75:B:ILE:H	1:75:B:ILE:HG23	6	0.14
(1,1850)	1:54:B:ILE:H	1:53:B:VAL:HG11	7	0.14
(1,1850)	1:54:B:ILE:H	1:53:B:VAL:HG13	18	0.14
(1,1849)	1:54:A:ILE:H	1:53:A:VAL:HG13	18	0.14
(1,1834)	1:59:B:GLN:HG2	1:62:B:ASP:H	2	0.14
(1,1812)	1:44:B:THR:H	1:46:B:LYS:HA	12	0.14
(1,1800)	1:56:B:GLU:H	1:30:B:LYS:HD3	17	0.14
(1,1799)	1:56:A:GLU:H	1:30:A:LYS:HD3	17	0.14
(1,1796)	1:36:B:LEU:H	1:36:B:LEU:HD23	20	0.14
(1,1795)	1:36:A:LEU:H	1:36:A:LEU:HD23	20	0.14
(1,1733)	1:36:A:LEU:HD22	1:8:B:LEU:HD21	9	0.14
(1,1692)	1:75:B:ILE:HG23	1:83:A:LYS:HE3	10	0.14
(1,1691)	1:75:A:ILE:HG23	1:83:B:LYS:HE3	10	0.14
(1,1626)	1:48:B:ILE:H	1:53:B:VAL:HG13	8	0.14
(1,1618)	1:63:B:ALA:H	1:61:B:LEU:HB3	6	0.14
(1,1590)	1:64:B:ASN:H	1:63:B:ALA:HB2	10	0.14
(1,1590)	1:64:B:ASN:H	1:63:B:ALA:HB2	13	0.14
(1,1589)	1:64:A:ASN:H	1:63:A:ALA:HB1	8	0.14
(1,1589)	1:64:A:ASN:H	1:63:A:ALA:HB2	10	0.14
(1,1589)	1:64:A:ASN:H	1:63:A:ALA:HB2	13	0.14
(1,1542)	1:44:B:THR:H	1:45:B:ILE:HB	10	0.14
(1,1524)	1:60:B:GLY:H	1:57:B:ILE:HB	4	0.14
(1,1524)	1:60:B:GLY:H	1:57:B:ILE:HB	18	0.14
(1,1523)	1:60:A:GLY:H	1:57:A:ILE:HB	4	0.14
(1,1500)	1:83:B:LYS:H	1:83:B:LYS:HB3	1	0.14
(1,1499)	1:83:A:LYS:H	1:83:A:LYS:HB3	1	0.14
(1,1440)	1:73:B:GLU:H	1:72:B:GLN:HG2	9	0.14
(1,1414)	1:59:B:GLN:H	1:59:B:GLN:HG3	17	0.14
(1,1413)	1:59:A:GLN:H	1:59:A:GLN:HG3	17	0.14
(1,1409)	1:49:A:LYS:H	1:50:A:ASP:HB3	18	0.14
(1,1390)	1:86:B:HIS:H	1:86:B:HIS:HB2	19	0.14
(1,1357)	1:89:A:THR:H	1:87:A:TYR:HB3	19	0.14
(1,1098)	1:54:B:ILE:H	1:50:B:ASP:HA	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1097)	1:54:A:ILE:H	1:50:A:ASP:HA	2	0.14
(1,1097)	1:54:A:ILE:H	1:50:A:ASP:HA	4	0.14
(1,918)	1:91:B:LYS:H	1:90:B:HIS:H	9	0.14
(1,912)	1:92:B:GLU:H	1:91:B:LYS:H	13	0.14
(1,911)	1:92:A:GLU:H	1:91:A:LYS:H	13	0.14
(1,796)	1:75:B:ILE:HG21	1:75:B:ILE:HG23	2	0.14
(1,796)	1:75:B:ILE:HG21	1:75:B:ILE:HG23	4	0.14
(1,796)	1:75:B:ILE:HG22	1:75:B:ILE:HG23	6	0.14
(1,796)	1:75:B:ILE:HG22	1:75:B:ILE:HG23	7	0.14
(1,796)	1:75:B:ILE:HG21	1:75:B:ILE:HG23	9	0.14
(1,796)	1:75:B:ILE:HG21	1:75:B:ILE:HG23	11	0.14
(1,796)	1:75:B:ILE:HG21	1:75:B:ILE:HG23	13	0.14
(1,796)	1:75:B:ILE:HG22	1:75:B:ILE:HG21	15	0.14
(1,796)	1:75:B:ILE:HG21	1:75:B:ILE:HG23	16	0.14
(1,796)	1:75:B:ILE:HG21	1:75:B:ILE:HG23	18	0.14
(1,796)	1:75:B:ILE:HG21	1:75:B:ILE:HG23	19	0.14
(1,796)	1:75:B:ILE:HG22	1:75:B:ILE:HG23	20	0.14
(1,795)	1:75:A:ILE:HG22	1:75:A:ILE:HG21	1	0.14
(1,795)	1:75:A:ILE:HG22	1:75:A:ILE:HG23	2	0.14
(1,795)	1:75:A:ILE:HG21	1:75:A:ILE:HG23	4	0.14
(1,795)	1:75:A:ILE:HG22	1:75:A:ILE:HG21	8	0.14
(1,795)	1:75:A:ILE:HG21	1:75:A:ILE:HG23	11	0.14
(1,795)	1:75:A:ILE:HG22	1:75:A:ILE:HG23	12	0.14
(1,795)	1:75:A:ILE:HG21	1:75:A:ILE:HG23	15	0.14
(1,795)	1:75:A:ILE:HG21	1:75:A:ILE:HG23	18	0.14
(1,795)	1:75:A:ILE:HG21	1:75:A:ILE:HG23	19	0.14
(1,795)	1:75:A:ILE:HG21	1:75:A:ILE:HG23	20	0.14
(1,699)	1:37:A:LEU:HD23	1:48:A:ILE:HG13	12	0.14
(1,598)	1:36:B:LEU:HD23	1:36:B:LEU:HB2	10	0.14
(1,592)	1:42:B:ALA:HB3	1:49:B:LYS:HD3	7	0.14
(1,591)	1:42:A:ALA:HB3	1:49:A:LYS:HD3	7	0.14
(1,556)	1:45:B:ILE:HB	1:44:B:THR:HB	7	0.14
(1,555)	1:45:A:ILE:HB	1:44:A:THR:HB	7	0.14
(1,546)	1:46:B:LYS:HD2	1:46:B:LYS:HB3	9	0.14
(1,545)	1:46:A:LYS:HD2	1:46:A:LYS:HB3	9	0.14
(1,538)	1:75:B:ILE:HD11	1:75:B:ILE:HB	8	0.14
(1,472)	1:78:B:VAL:HG22	1:11:B:ILE:HB	3	0.14
(1,471)	1:78:A:VAL:HG22	1:11:A:ILE:HB	3	0.14
(1,466)	1:36:B:LEU:HD21	1:40:B:GLU:HG3	1	0.14
(1,442)	1:49:B:LYS:HB2	1:53:B:VAL:HB	2	0.14
(1,441)	1:49:A:LYS:HB2	1:53:A:VAL:HB	2	0.14
(1,424)	1:39:B:LYS:HD3	1:35:B:GLN:HB3	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:39:A:LYS:HD3	1:35:A:GLN:HB3	18	0.14
(1,300)	1:48:B:ILE:HD11	1:37:B:LEU:HA	3	0.14
(1,290)	1:53:B:VAL:HG12	1:53:B:VAL:HA	18	0.14
(1,289)	1:53:A:VAL:HG12	1:53:A:VAL:HA	18	0.14
(1,274)	1:49:B:LYS:HD2	1:38:B:THR:HB	18	0.14
(1,273)	1:49:A:LYS:HD2	1:38:A:THR:HB	18	0.14
(1,254)	1:49:B:LYS:HE2	1:38:B:THR:HB	5	0.14
(1,212)	1:36:B:LEU:HD12	1:33:B:LEU:HA	1	0.14
(1,211)	1:36:A:LEU:HD12	1:33:A:LEU:HA	1	0.14
(1,204)	1:80:B:ILE:HD11	1:76:B:SER:HA	5	0.14
(1,204)	1:80:B:ILE:HD12	1:76:B:SER:HA	8	0.14
(1,120)	1:8:B:LEU:HD11	1:42:A:ALA:H	4	0.14
(1,119)	1:8:A:LEU:HD11	1:42:B:ALA:H	4	0.14
(1,84)	1:75:B:ILE:H	1:75:B:ILE:HD11	11	0.14
(1,83)	1:75:A:ILE:H	1:75:A:ILE:HD11	11	0.14
(1,76)	1:41:B:LEU:H	1:40:B:GLU:HG2	8	0.14
(1,75)	1:41:A:LEU:H	1:40:A:GLU:HG2	8	0.14
(1,75)	1:41:A:LEU:H	1:40:A:GLU:HG2	13	0.14
(1,64)	1:49:B:LYS:HG2	1:50:B:ASP:H	12	0.14
(1,63)	1:49:A:LYS:HG2	1:50:A:ASP:H	12	0.14
(1,6)	1:75:B:ILE:HD13	1:83:A:LYS:HA	15	0.14
(1,6)	1:75:B:ILE:HD12	1:83:A:LYS:HA	19	0.14
(1,5)	1:75:A:ILE:HD12	1:83:B:LYS:HA	19	0.14
(3,134)	1:82:B:LEU:N	1:78:B:VAL:O	3	0.13
(3,134)	1:82:B:LEU:N	1:78:B:VAL:O	6	0.13
(3,134)	1:82:B:LEU:N	1:78:B:VAL:O	14	0.13
(3,134)	1:82:B:LEU:N	1:78:B:VAL:O	20	0.13
(3,115)	1:60:B:GLY:H	1:56:B:GLU:O	20	0.13
(3,104)	1:40:B:GLU:N	1:36:B:LEU:O	6	0.13
(3,104)	1:40:B:GLU:N	1:36:B:LEU:O	17	0.13
(3,89)	1:18:B:TYR:H	1:14:B:ILE:O	11	0.13
(3,89)	1:18:B:TYR:H	1:14:B:ILE:O	18	0.13
(3,62)	1:82:A:LEU:N	1:78:A:VAL:O	3	0.13
(3,62)	1:82:A:LEU:N	1:78:A:VAL:O	6	0.13
(3,62)	1:82:A:LEU:N	1:78:A:VAL:O	14	0.13
(3,62)	1:82:A:LEU:N	1:78:A:VAL:O	20	0.13
(3,43)	1:60:A:GLY:H	1:56:A:GLU:O	20	0.13
(3,32)	1:40:A:GLU:N	1:36:A:LEU:O	6	0.13
(3,32)	1:40:A:GLU:N	1:36:A:LEU:O	12	0.13
(3,32)	1:40:A:GLU:N	1:36:A:LEU:O	17	0.13
(3,17)	1:18:A:TYR:H	1:14:A:ILE:O	11	0.13
(2,128)	1:18:B:TYR:H	1:36:B:LEU:HA	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,127)	1:18:A:TYR:H	1:36:A:LEU:HA	14	0.13
(2,108)	1:3:B:LYS:H	1:40:A:GLU:HA	12	0.13
(2,107)	1:3:A:LYS:H	1:40:B:GLU:HA	12	0.13
(2,96)	1:83:B:LYS:H	1:79:B:ALA:H	10	0.13
(2,95)	1:83:A:LYS:H	1:79:A:ALA:H	10	0.13
(2,16)	1:39:B:LYS:HB2	1:42:B:ALA:H	2	0.13
(2,15)	1:39:A:LYS:HB2	1:42:A:ALA:H	2	0.13
(1,3812)	1:79:B:ALA:H	1:78:B:VAL:HG21	7	0.13
(1,3811)	1:79:A:ALA:H	1:78:A:VAL:HG21	7	0.13
(1,3804)	1:60:B:GLY:H	1:61:B:LEU:HD22	3	0.13
(1,3804)	1:60:B:GLY:H	1:61:B:LEU:HD21	14	0.13
(1,3803)	1:60:A:GLY:H	1:61:A:LEU:HD22	3	0.13
(1,3803)	1:60:A:GLY:H	1:61:A:LEU:HD21	14	0.13
(1,3795)	1:62:A:ASP:H	1:61:A:LEU:HD12	2	0.13
(1,3776)	1:37:B:LEU:H	1:37:B:LEU:HD21	2	0.13
(1,3775)	1:37:A:LEU:H	1:37:A:LEU:HD21	2	0.13
(1,3774)	1:55:B:ASP:H	1:54:B:ILE:HG22	16	0.13
(1,3773)	1:55:A:ASP:H	1:54:A:ILE:HG22	16	0.13
(1,3768)	1:41:B:LEU:H	1:48:B:ILE:HG22	7	0.13
(1,3767)	1:41:A:LEU:H	1:48:A:ILE:HG22	7	0.13
(1,3748)	1:30:B:LYS:H	1:30:B:LYS:HD3	14	0.13
(1,3747)	1:30:A:LYS:H	1:30:A:LYS:HD3	14	0.13
(1,3728)	1:55:B:ASP:H	1:53:B:VAL:HG13	6	0.13
(1,3727)	1:55:A:ASP:H	1:53:A:VAL:HG13	6	0.13
(1,3694)	1:75:B:ILE:H	1:83:A:LYS:HG3	10	0.13
(1,3691)	1:75:A:ILE:H	1:61:A:LEU:HB3	2	0.13
(1,3684)	1:43:B:ASN:H	1:45:B:ILE:HG13	9	0.13
(1,3683)	1:43:A:ASN:H	1:45:A:ILE:HG13	9	0.13
(1,3660)	1:33:B:LEU:H	1:33:B:LEU:HG	1	0.13
(1,3660)	1:33:B:LEU:H	1:33:B:LEU:HG	6	0.13
(1,3660)	1:33:B:LEU:H	1:33:B:LEU:HG	9	0.13
(1,3660)	1:33:B:LEU:H	1:33:B:LEU:HG	12	0.13
(1,3660)	1:33:B:LEU:H	1:33:B:LEU:HG	18	0.13
(1,3660)	1:33:B:LEU:H	1:33:B:LEU:HG	20	0.13
(1,3659)	1:33:A:LEU:H	1:33:A:LEU:HG	1	0.13
(1,3659)	1:33:A:LEU:H	1:33:A:LEU:HG	6	0.13
(1,3659)	1:33:A:LEU:H	1:33:A:LEU:HG	9	0.13
(1,3659)	1:33:A:LEU:H	1:33:A:LEU:HG	12	0.13
(1,3659)	1:33:A:LEU:H	1:33:A:LEU:HG	18	0.13
(1,3659)	1:33:A:LEU:H	1:33:A:LEU:HG	20	0.13
(1,3640)	1:56:B:GLU:H	1:52:B:ALA:HB2	14	0.13
(1,3639)	1:56:A:GLU:H	1:52:A:ALA:HB2	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB3	12	0.13
(1,3626)	1:38:B:THR:H	1:54:B:ILE:HG12	9	0.13
(1,3625)	1:38:A:THR:H	1:54:A:ILE:HG12	9	0.13
(1,3589)	1:90:A:HIS:H	1:91:A:LYS:HD3	15	0.13
(1,3534)	1:50:B:ASP:H	1:46:B:LYS:HD2	16	0.13
(1,3528)	1:49:B:LYS:H	1:46:B:LYS:HD2	1	0.13
(1,3528)	1:49:B:LYS:H	1:46:B:LYS:HD2	6	0.13
(1,3506)	1:18:B:TYR:H	1:40:B:GLU:HG3	11	0.13
(1,3505)	1:18:A:TYR:H	1:40:A:GLU:HG3	11	0.13
(1,3494)	1:64:B:ASN:H	1:66:B:ASP:HB3	4	0.13
(1,3478)	1:70:B:ASP:H	1:68:B:GLN:HG2	4	0.13
(1,3477)	1:70:A:ASP:H	1:68:A:GLN:HG2	4	0.13
(1,3476)	1:57:B:ILE:H	1:56:B:GLU:HG2	5	0.13
(1,3460)	1:57:B:ILE:H	1:55:B:ASP:HB3	12	0.13
(1,3460)	1:57:B:ILE:H	1:55:B:ASP:HB3	14	0.13
(1,3460)	1:57:B:ILE:H	1:55:B:ASP:HB3	19	0.13
(1,3459)	1:57:A:ILE:H	1:55:A:ASP:HB3	14	0.13
(1,3452)	1:72:B:GLN:H	1:83:A:LYS:HE3	17	0.13
(1,3451)	1:72:A:GLN:H	1:83:B:LYS:HE3	1	0.13
(1,3451)	1:72:A:GLN:H	1:83:B:LYS:HE3	17	0.13
(1,3426)	1:86:B:HIS:H	1:87:B:TYR:HB2	13	0.13
(1,3425)	1:86:A:HIS:H	1:87:A:TYR:HB2	13	0.13
(1,3336)	1:51:B:LYS:H	1:52:B:ALA:HA	6	0.13
(1,3336)	1:51:B:LYS:H	1:52:B:ALA:HA	15	0.13
(1,3335)	1:51:A:LYS:H	1:52:A:ALA:HA	6	0.13
(1,3334)	1:69:B:VAL:H	1:29:B:SER:HB3	1	0.13
(1,3333)	1:69:A:VAL:H	1:29:A:SER:HB3	1	0.13
(1,3288)	1:87:B:TYR:H	1:89:B:THR:H	3	0.13
(1,3288)	1:87:B:TYR:H	1:89:B:THR:H	17	0.13
(1,3287)	1:87:A:TYR:H	1:89:A:THR:H	3	0.13
(1,3273)	1:52:A:ALA:H	1:50:A:ASP:H	16	0.13
(1,3182)	1:75:B:ILE:HD12	1:72:B:GLN:HG3	16	0.13
(1,3181)	1:75:A:ILE:HD12	1:72:A:GLN:HG3	16	0.13
(1,3168)	1:75:B:ILE:HG21	1:76:B:SER:HA	15	0.13
(1,3168)	1:75:B:ILE:HG21	1:76:B:SER:HA	17	0.13
(1,3167)	1:75:A:ILE:HG21	1:76:A:SER:HA	17	0.13
(1,3160)	1:48:B:ILE:HG23	1:49:B:LYS:HG2	17	0.13
(1,3159)	1:48:A:ILE:HG23	1:49:A:LYS:HG2	17	0.13
(1,3156)	1:82:B:LEU:HD11	1:82:B:LEU:HG	5	0.13
(1,3156)	1:82:B:LEU:HD12	1:82:B:LEU:HG	8	0.13
(1,3156)	1:82:B:LEU:HD12	1:82:B:LEU:HG	14	0.13
(1,3155)	1:82:A:LEU:HD11	1:82:A:LEU:HG	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3155)	1:82:A:LEU:HD12	1:82:A:LEU:HG	8	0.13
(1,3155)	1:82:A:LEU:HD12	1:82:A:LEU:HG	14	0.13
(1,3136)	1:80:B:ILE:HG23	1:80:B:ILE:HB	1	0.13
(1,3136)	1:80:B:ILE:HG23	1:80:B:ILE:HB	5	0.13
(1,3135)	1:80:A:ILE:HG23	1:80:A:ILE:HB	1	0.13
(1,3135)	1:80:A:ILE:HG21	1:80:A:ILE:HB	18	0.13
(1,3132)	1:54:B:ILE:HG21	1:58:B:PHE:HB3	9	0.13
(1,3131)	1:54:A:ILE:HG21	1:58:A:PHE:HB3	9	0.13
(1,3104)	1:30:B:LYS:HG2	1:30:B:LYS:HD3	16	0.13
(1,3103)	1:30:A:LYS:HG2	1:30:A:LYS:HD3	16	0.13
(1,3096)	1:54:B:ILE:HG12	1:54:B:ILE:HG21	6	0.13
(1,3096)	1:54:B:ILE:HG12	1:54:B:ILE:HG21	16	0.13
(1,3095)	1:54:A:ILE:HG12	1:54:A:ILE:HG21	6	0.13
(1,3095)	1:54:A:ILE:HG12	1:54:A:ILE:HG21	16	0.13
(1,3076)	1:85:B:ALA:HA	1:12:A:VAL:HG21	1	0.13
(1,3075)	1:85:A:ALA:HA	1:12:B:VAL:HG21	1	0.13
(1,3075)	1:85:A:ALA:HA	1:12:B:VAL:HG21	13	0.13
(1,3056)	1:37:B:LEU:HD21	1:40:B:GLU:HB3	17	0.13
(1,3055)	1:37:A:LEU:HD21	1:40:A:GLU:HB3	17	0.13
(1,3048)	1:30:B:LYS:HA	1:33:B:LEU:HD21	4	0.13
(1,3048)	1:30:B:LYS:HA	1:33:B:LEU:HD21	16	0.13
(1,3047)	1:30:A:LYS:HA	1:33:A:LEU:HD21	4	0.13
(1,3047)	1:30:A:LYS:HA	1:33:A:LEU:HD21	8	0.13
(1,3026)	1:30:B:LYS:HD2	1:51:B:LYS:HB3	7	0.13
(1,3025)	1:30:A:LYS:HD2	1:51:A:LYS:HB3	7	0.13
(1,3016)	1:53:B:VAL:HG13	1:50:B:ASP:HB2	10	0.13
(1,3015)	1:53:A:VAL:HG13	1:50:A:ASP:HB2	10	0.13
(1,2982)	1:37:B:LEU:HA	1:48:B:ILE:HG13	11	0.13
(1,2981)	1:37:A:LEU:HA	1:48:A:ILE:HG13	11	0.13
(1,2780)	1:42:B:ALA:HB2	1:38:B:THR:HA	3	0.13
(1,2780)	1:42:B:ALA:HB3	1:38:B:THR:HA	9	0.13
(1,2778)	1:81:B:ALA:HB3	1:44:B:THR:HB	16	0.13
(1,2777)	1:81:A:ALA:HB3	1:44:A:THR:HB	16	0.13
(1,2724)	1:84:B:ALA:HB2	1:91:B:LYS:HB2	10	0.13
(1,2723)	1:84:A:ALA:HB2	1:91:A:LYS:HB2	10	0.13
(1,2698)	1:45:B:ILE:HB	1:48:B:ILE:HA	5	0.13
(1,2698)	1:45:B:ILE:HB	1:48:B:ILE:HA	20	0.13
(1,2697)	1:45:A:ILE:HB	1:48:A:ILE:HA	5	0.13
(1,2697)	1:45:A:ILE:HB	1:48:A:ILE:HA	20	0.13
(1,2687)	1:30:A:LYS:HD2	1:51:A:LYS:HD2	5	0.13
(1,2687)	1:30:A:LYS:HD2	1:51:A:LYS:HD3	7	0.13
(1,2674)	1:84:B:ALA:HB2	1:91:B:LYS:HD3	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2673)	1:84:A:ALA:HB2	1:91:A:LYS:HD3	10	0.13
(1,2658)	1:37:B:LEU:HD23	1:37:B:LEU:HG	15	0.13
(1,2657)	1:37:A:LEU:HD23	1:37:A:LEU:HG	15	0.13
(1,2602)	1:42:B:ALA:HA	1:48:B:ILE:HB	9	0.13
(1,2601)	1:42:A:ALA:HA	1:48:A:ILE:HB	9	0.13
(1,2601)	1:42:A:ALA:HA	1:48:A:ILE:HB	11	0.13
(1,2596)	1:85:B:ALA:HB3	1:9:A:GLU:HB2	3	0.13
(1,2564)	1:13:B:ASN:HB2	1:9:B:GLU:HB3	4	0.13
(1,2560)	1:39:B:LYS:HE3	1:39:B:LYS:HB3	10	0.13
(1,2559)	1:39:A:LYS:HE3	1:39:A:LYS:HB3	10	0.13
(1,2466)	1:6:B:GLU:HB2	1:6:B:GLU:HA	8	0.13
(1,2466)	1:6:B:GLU:HB2	1:6:B:GLU:HA	14	0.13
(1,2466)	1:6:B:GLU:HB3	1:6:B:GLU:HA	16	0.13
(1,2465)	1:6:A:GLU:HB2	1:6:A:GLU:HA	8	0.13
(1,2465)	1:6:A:GLU:HB2	1:6:A:GLU:HA	14	0.13
(1,2465)	1:6:A:GLU:HB3	1:6:A:GLU:HA	16	0.13
(1,2436)	1:35:B:GLN:HG2	1:35:B:GLN:HB3	2	0.13
(1,2436)	1:35:B:GLN:HG2	1:35:B:GLN:HB3	5	0.13
(1,2435)	1:35:A:GLN:HG2	1:35:A:GLN:HB3	2	0.13
(1,2435)	1:35:A:GLN:HG2	1:35:A:GLN:HB3	5	0.13
(1,2427)	1:74:A:PHE:HB3	1:71:A:PHE:HB3	20	0.13
(1,2412)	1:75:B:ILE:HD13	1:72:B:GLN:HG3	18	0.13
(1,2409)	1:85:A:ALA:HB2	1:9:B:GLU:HG3	8	0.13
(1,2387)	1:12:A:VAL:HB	1:13:A:ASN:HB2	9	0.13
(1,2360)	1:30:B:LYS:HG2	1:30:B:LYS:HE3	4	0.13
(1,2360)	1:30:B:LYS:HG2	1:30:B:LYS:HE3	5	0.13
(1,2359)	1:30:A:LYS:HG2	1:30:A:LYS:HE3	4	0.13
(1,2359)	1:30:A:LYS:HG2	1:30:A:LYS:HE3	5	0.13
(1,2350)	1:59:B:GLN:HG2	1:59:B:GLN:HA	12	0.13
(1,2349)	1:59:A:GLN:HG2	1:59:A:GLN:HA	12	0.13
(1,2314)	1:54:B:ILE:HB	1:55:B:ASP:HB2	7	0.13
(1,2313)	1:54:A:ILE:HB	1:55:A:ASP:HB2	7	0.13
(1,2296)	1:59:B:GLN:HG3	1:55:B:ASP:HB3	18	0.13
(1,2295)	1:59:A:GLN:HG3	1:55:A:ASP:HB3	18	0.13
(1,2268)	1:75:B:ILE:HD11	1:83:A:LYS:HE3	13	0.13
(1,2265)	1:53:A:VAL:HG12	1:50:A:ASP:HB2	4	0.13
(1,2255)	1:52:A:ALA:HB1	1:50:A:ASP:HB2	1	0.13
(1,2240)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	3	0.13
(1,2239)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	3	0.13
(1,2222)	1:30:B:LYS:HB2	1:58:B:PHE:HB3	15	0.13
(1,2221)	1:30:A:LYS:HB3	1:51:A:LYS:HE3	16	0.13
(1,2220)	1:83:B:LYS:HD2	1:83:B:LYS:HE3	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2210)	1:61:B:LEU:HB2	1:74:B:PHE:HB2	3	0.13
(1,2209)	1:61:A:LEU:HB2	1:74:A:PHE:HB2	3	0.13
(1,2202)	1:8:B:LEU:HD12	1:78:A:VAL:HA	4	0.13
(1,2201)	1:8:A:LEU:HD12	1:78:B:VAL:HA	4	0.13
(1,2201)	1:8:A:LEU:HD13	1:78:B:VAL:HA	18	0.13
(1,2198)	1:30:B:LYS:HE2	1:51:B:LYS:HE3	11	0.13
(1,2197)	1:30:A:LYS:HE2	1:51:A:LYS:HE3	11	0.13
(1,2196)	1:59:B:GLN:HA	1:58:B:PHE:HB3	4	0.13
(1,2196)	1:59:B:GLN:HA	1:58:B:PHE:HB3	9	0.13
(1,2196)	1:59:B:GLN:HA	1:58:B:PHE:HB3	18	0.13
(1,2195)	1:59:A:GLN:HA	1:58:A:PHE:HB3	4	0.13
(1,2195)	1:59:A:GLN:HA	1:58:A:PHE:HB3	9	0.13
(1,2195)	1:59:A:GLN:HA	1:58:A:PHE:HB3	18	0.13
(1,2178)	1:54:B:ILE:HG12	1:58:B:PHE:HB2	8	0.13
(1,2177)	1:54:A:ILE:HG12	1:58:A:PHE:HB2	8	0.13
(1,2168)	1:86:B:HIS:HA	1:88:B:HIS:HB3	10	0.13
(1,2168)	1:86:B:HIS:HA	1:88:B:HIS:HB2	12	0.13
(1,2167)	1:86:A:HIS:HA	1:88:A:HIS:HB3	10	0.13
(1,2167)	1:86:A:HIS:HA	1:88:A:HIS:HB2	12	0.13
(1,2058)	1:73:B:GLU:HB2	1:74:B:PHE:HA	4	0.13
(1,2057)	1:73:A:GLU:HB2	1:74:A:PHE:HA	4	0.13
(1,2032)	1:12:B:VAL:HG22	1:82:A:LEU:HA	6	0.13
(1,1959)	1:86:A:HIS:HB3	1:85:A:ALA:HA	13	0.13
(1,1932)	1:12:B:VAL:HB	1:85:A:ALA:HA	13	0.13
(1,1902)	1:84:B:ALA:HB1	1:88:B:HIS:HA	15	0.13
(1,1902)	1:84:B:ALA:HB1	1:88:B:HIS:HA	18	0.13
(1,1901)	1:84:A:ALA:HB1	1:88:A:HIS:HA	15	0.13
(1,1901)	1:84:A:ALA:HB1	1:88:A:HIS:HA	18	0.13
(1,1891)	1:46:A:LYS:HG2	1:90:A:HIS:HA	1	0.13
(1,1886)	1:46:B:LYS:HB2	1:90:B:HIS:HA	1	0.13
(1,1885)	1:46:A:LYS:HB2	1:90:A:HIS:HA	1	0.13
(1,1885)	1:49:A:LYS:HB2	1:47:A:ASN:HA	19	0.13
(1,1852)	1:75:B:ILE:H	1:75:B:ILE:HG21	7	0.13
(1,1852)	1:75:B:ILE:H	1:75:B:ILE:HG22	10	0.13
(1,1851)	1:75:A:ILE:H	1:75:A:ILE:HG21	7	0.13
(1,1851)	1:75:A:ILE:H	1:75:A:ILE:HG22	10	0.13
(1,1836)	1:62:B:ASP:H	1:73:B:GLU:HB3	17	0.13
(1,1835)	1:62:A:ASP:H	1:73:A:GLU:HB3	1	0.13
(1,1750)	1:45:B:ILE:HG23	1:91:B:LYS:H	19	0.13
(1,1749)	1:45:A:ILE:HG23	1:91:A:LYS:H	19	0.13
(1,1733)	1:36:A:LEU:HD22	1:8:B:LEU:HD11	11	0.13
(1,1723)	1:80:A:ILE:HG23	1:8:B:LEU:HD12	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1691)	1:75:A:ILE:HG23	1:83:B:LYS:HE2	8	0.13
(1,1632)	1:87:B:TYR:H	1:89:B:THR:HG21	1	0.13
(1,1631)	1:87:A:TYR:H	1:89:A:THR:HG21	1	0.13
(1,1618)	1:63:B:ALA:H	1:61:B:LEU:HB3	12	0.13
(1,1612)	1:55:B:ASP:H	1:54:B:ILE:HD11	10	0.13
(1,1590)	1:64:B:ASN:H	1:63:B:ALA:HB1	1	0.13
(1,1590)	1:64:B:ASN:H	1:63:B:ALA:HB3	9	0.13
(1,1590)	1:64:B:ASN:H	1:63:B:ALA:HB1	15	0.13
(1,1589)	1:64:A:ASN:H	1:63:A:ALA:HB3	9	0.13
(1,1589)	1:64:A:ASN:H	1:63:A:ALA:HB1	15	0.13
(1,1560)	1:77:B:LEU:H	1:61:B:LEU:HB2	15	0.13
(1,1559)	1:77:A:LEU:H	1:61:A:LEU:HB2	10	0.13
(1,1559)	1:77:A:LEU:H	1:61:A:LEU:HB2	15	0.13
(1,1542)	1:44:B:THR:H	1:45:B:ILE:HB	6	0.13
(1,1542)	1:44:B:THR:H	1:45:B:ILE:HB	9	0.13
(1,1542)	1:44:B:THR:H	1:45:B:ILE:HB	16	0.13
(1,1541)	1:44:A:THR:H	1:45:A:ILE:HB	6	0.13
(1,1524)	1:60:B:GLY:H	1:57:B:ILE:HB	6	0.13
(1,1523)	1:60:A:GLY:H	1:57:A:ILE:HB	6	0.13
(1,1523)	1:60:A:GLY:H	1:57:A:ILE:HB	18	0.13
(1,1440)	1:73:B:GLU:H	1:72:B:GLN:HG2	3	0.13
(1,1439)	1:73:A:GLU:H	1:72:A:GLN:HG2	3	0.13
(1,1439)	1:73:A:GLU:H	1:72:A:GLN:HG2	6	0.13
(1,1410)	1:49:B:LYS:H	1:50:B:ASP:HB3	18	0.13
(1,1389)	1:86:A:HIS:H	1:86:A:HIS:HB2	19	0.13
(1,1386)	1:87:B:TYR:H	1:86:B:HIS:HB2	9	0.13
(1,1368)	1:52:B:ALA:H	1:50:B:ASP:HB2	11	0.13
(1,1367)	1:52:A:ALA:H	1:50:A:ASP:HB2	11	0.13
(1,1358)	1:89:B:THR:H	1:87:B:TYR:HB3	19	0.13
(1,918)	1:91:B:LYS:H	1:90:B:HIS:H	3	0.13
(1,918)	1:91:B:LYS:H	1:90:B:HIS:H	6	0.13
(1,917)	1:91:A:LYS:H	1:90:A:HIS:H	6	0.13
(1,830)	1:80:B:ILE:HD13	1:75:A:ILE:HG13	9	0.13
(1,829)	1:80:A:ILE:HD13	1:75:B:ILE:HG13	9	0.13
(1,790)	1:30:B:LYS:HD3	1:54:B:ILE:HG21	8	0.13
(1,790)	1:30:B:LYS:HD3	1:54:B:ILE:HG22	16	0.13
(1,789)	1:30:A:LYS:HD3	1:54:A:ILE:HG21	8	0.13
(1,789)	1:30:A:LYS:HD3	1:54:A:ILE:HG23	13	0.13
(1,789)	1:30:A:LYS:HD3	1:54:A:ILE:HG22	16	0.13
(1,700)	1:37:B:LEU:HD21	1:48:B:ILE:HG13	6	0.13
(1,700)	1:37:B:LEU:HD23	1:48:B:ILE:HG13	12	0.13
(1,699)	1:37:A:LEU:HD21	1:48:A:ILE:HG13	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,618)	1:42:B:ALA:HB2	1:43:B:ASN:HB3	19	0.13
(1,617)	1:42:A:ALA:HB1	1:43:A:ASN:HB3	3	0.13
(1,617)	1:42:A:ALA:HB2	1:43:A:ASN:HB3	19	0.13
(1,614)	1:75:B:ILE:HG12	1:75:B:ILE:HA	9	0.13
(1,613)	1:75:A:ILE:HG12	1:75:A:ILE:HA	9	0.13
(1,592)	1:42:B:ALA:HB3	1:49:B:LYS:HD3	3	0.13
(1,572)	1:49:B:LYS:HB3	1:49:B:LYS:HD2	19	0.13
(1,571)	1:49:A:LYS:HB3	1:49:A:LYS:HD2	19	0.13
(1,570)	1:91:B:LYS:HD3	1:91:B:LYS:HE2	10	0.13
(1,556)	1:45:B:ILE:HB	1:44:B:THR:HB	6	0.13
(1,555)	1:45:A:ILE:HB	1:44:A:THR:HB	6	0.13
(1,548)	1:45:B:ILE:HG13	1:41:B:LEU:HB3	7	0.13
(1,547)	1:45:A:ILE:HG13	1:41:A:LEU:HB3	7	0.13
(1,472)	1:78:B:VAL:HG23	1:11:B:ILE:HB	10	0.13
(1,471)	1:78:A:VAL:HG23	1:11:A:ILE:HB	10	0.13
(1,442)	1:49:B:LYS:HB2	1:53:B:VAL:HB	10	0.13
(1,441)	1:49:A:LYS:HB2	1:53:A:VAL:HB	10	0.13
(1,386)	1:36:B:LEU:HD23	1:36:B:LEU:HA	3	0.13
(1,374)	1:75:B:ILE:HG23	1:75:B:ILE:HA	9	0.13
(1,374)	1:75:B:ILE:HG23	1:75:B:ILE:HA	17	0.13
(1,373)	1:75:A:ILE:HG23	1:75:A:ILE:HA	9	0.13
(1,373)	1:75:A:ILE:HG23	1:75:A:ILE:HA	17	0.13
(1,332)	1:46:B:LYS:HE2	1:47:B:ASN:HB2	17	0.13
(1,331)	1:46:A:LYS:HE2	1:47:A:ASN:HB2	17	0.13
(1,318)	1:37:B:LEU:HD11	1:30:B:LYS:HA	10	0.13
(1,317)	1:37:A:LEU:HD11	1:30:A:LYS:HA	10	0.13
(1,290)	1:53:B:VAL:HG13	1:53:B:VAL:HA	5	0.13
(1,290)	1:53:B:VAL:HG12	1:53:B:VAL:HA	13	0.13
(1,290)	1:53:B:VAL:HG11	1:53:B:VAL:HA	19	0.13
(1,289)	1:53:A:VAL:HG13	1:53:A:VAL:HA	5	0.13
(1,289)	1:53:A:VAL:HG12	1:53:A:VAL:HA	13	0.13
(1,289)	1:53:A:VAL:HG11	1:53:A:VAL:HA	19	0.13
(1,204)	1:80:B:ILE:HD12	1:76:B:SER:HA	18	0.13
(1,203)	1:80:A:ILE:HD11	1:76:A:SER:HA	5	0.13
(1,203)	1:80:A:ILE:HD12	1:76:A:SER:HA	8	0.13
(1,203)	1:80:A:ILE:HD12	1:76:A:SER:HA	18	0.13
(1,184)	1:61:B:LEU:HD23	1:61:B:LEU:HA	20	0.13
(1,183)	1:61:A:LEU:HD23	1:61:A:LEU:HA	20	0.13
(1,34)	1:8:B:LEU:H	1:8:B:LEU:HD12	3	0.13
(1,33)	1:8:A:LEU:H	1:8:A:LEU:HD12	3	0.13
(1,5)	1:75:A:ILE:HD13	1:83:B:LYS:HA	15	0.13
(1,5)	1:75:A:ILE:HD11	1:83:B:LYS:HA	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,134)	1:82:B:LEU:N	1:78:B:VAL:O	8	0.12
(3,134)	1:82:B:LEU:N	1:78:B:VAL:O	11	0.12
(3,134)	1:82:B:LEU:N	1:78:B:VAL:O	15	0.12
(3,134)	1:82:B:LEU:N	1:78:B:VAL:O	19	0.12
(3,114)	1:59:B:GLN:N	1:55:B:ASP:O	10	0.12
(3,104)	1:40:B:GLU:N	1:36:B:LEU:O	2	0.12
(3,104)	1:40:B:GLU:N	1:36:B:LEU:O	20	0.12
(3,89)	1:18:B:TYR:H	1:14:B:ILE:O	19	0.12
(3,62)	1:82:A:LEU:N	1:78:A:VAL:O	8	0.12
(3,62)	1:82:A:LEU:N	1:78:A:VAL:O	11	0.12
(3,62)	1:82:A:LEU:N	1:78:A:VAL:O	15	0.12
(3,62)	1:82:A:LEU:N	1:78:A:VAL:O	19	0.12
(3,42)	1:59:A:GLN:N	1:55:A:ASP:O	10	0.12
(3,32)	1:40:A:GLU:N	1:36:A:LEU:O	2	0.12
(3,32)	1:40:A:GLU:N	1:36:A:LEU:O	20	0.12
(3,20)	1:34:A:LYS:N	1:30:A:LYS:O	20	0.12
(3,17)	1:18:A:TYR:H	1:14:A:ILE:O	19	0.12
(2,128)	1:18:B:TYR:H	1:36:B:LEU:HA	2	0.12
(2,128)	1:18:B:TYR:H	1:36:B:LEU:HA	10	0.12
(2,127)	1:18:A:TYR:H	1:36:A:LEU:HA	2	0.12
(2,127)	1:18:A:TYR:H	1:36:A:LEU:HA	10	0.12
(2,58)	1:32:B:GLU:HB2	1:35:B:GLN:HB2	20	0.12
(2,57)	1:32:A:GLU:HB2	1:35:A:GLN:HB2	20	0.12
(1,3826)	1:30:B:LYS:H	1:30:B:LYS:HG3	11	0.12
(1,3825)	1:30:A:LYS:H	1:30:A:LYS:HG3	11	0.12
(1,3796)	1:62:B:ASP:H	1:61:B:LEU:HD11	19	0.12
(1,3795)	1:62:A:ASP:H	1:61:A:LEU:HD11	19	0.12
(1,3776)	1:37:B:LEU:H	1:37:B:LEU:HD23	6	0.12
(1,3775)	1:37:A:LEU:H	1:37:A:LEU:HD23	6	0.12
(1,3774)	1:55:B:ASP:H	1:54:B:ILE:HG23	10	0.12
(1,3748)	1:30:B:LYS:H	1:30:B:LYS:HD2	7	0.12
(1,3747)	1:30:A:LYS:H	1:30:A:LYS:HD2	7	0.12
(1,3727)	1:55:A:ASP:H	1:53:A:VAL:HG11	5	0.12
(1,3692)	1:75:B:ILE:H	1:61:B:LEU:HB3	2	0.12
(1,3672)	1:48:B:ILE:H	1:49:B:LYS:HG2	4	0.12
(1,3671)	1:48:A:ILE:H	1:49:A:LYS:HG2	4	0.12
(1,3660)	1:33:B:LEU:H	1:33:B:LEU:HG	4	0.12
(1,3660)	1:33:B:LEU:H	1:33:B:LEU:HG	10	0.12
(1,3660)	1:33:B:LEU:H	1:33:B:LEU:HG	11	0.12
(1,3660)	1:33:B:LEU:H	1:33:B:LEU:HG	14	0.12
(1,3659)	1:33:A:LEU:H	1:33:A:LEU:HG	4	0.12
(1,3659)	1:33:A:LEU:H	1:33:A:LEU:HG	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3659)	1:33:A:LEU:H	1:33:A:LEU:HG	11	0.12
(1,3659)	1:33:A:LEU:H	1:33:A:LEU:HG	14	0.12
(1,3638)	1:74:B:PHE:H	1:77:B:LEU:HB3	9	0.12
(1,3637)	1:74:A:PHE:H	1:77:A:LEU:HB3	9	0.12
(1,3620)	1:90:B:HIS:H	1:91:B:LYS:HB2	7	0.12
(1,3566)	1:44:B:THR:H	1:48:B:ILE:HB	8	0.12
(1,3566)	1:44:B:THR:H	1:48:B:ILE:HB	18	0.12
(1,3565)	1:44:A:THR:H	1:48:A:ILE:HB	18	0.12
(1,3562)	1:84:B:ALA:H	1:83:B:LYS:HB2	19	0.12
(1,3561)	1:84:A:ALA:H	1:83:A:LYS:HB2	19	0.12
(1,3533)	1:50:A:ASP:H	1:46:A:LYS:HD2	16	0.12
(1,3532)	1:38:B:THR:H	1:40:B:GLU:HG2	15	0.12
(1,3531)	1:38:A:THR:H	1:40:A:GLU:HG2	15	0.12
(1,3527)	1:49:A:LYS:H	1:46:A:LYS:HD2	1	0.12
(1,3501)	1:67:A:GLU:H	1:66:A:ASP:HB3	1	0.12
(1,3475)	1:57:A:ILE:H	1:56:A:GLU:HG2	5	0.12
(1,3470)	1:70:B:ASP:H	1:62:B:ASP:HB2	16	0.12
(1,3469)	1:70:A:ASP:H	1:62:A:ASP:HB2	16	0.12
(1,3466)	1:58:B:PHE:H	1:59:B:GLN:HG2	4	0.12
(1,3465)	1:58:A:PHE:H	1:59:A:GLN:HG2	4	0.12
(1,3460)	1:57:B:ILE:H	1:55:B:ASP:HB3	9	0.12
(1,3459)	1:57:A:ILE:H	1:55:A:ASP:HB3	9	0.12
(1,3350)	1:48:B:ILE:H	1:46:B:LYS:HA	16	0.12
(1,3349)	1:48:A:ILE:H	1:46:A:LYS:HA	16	0.12
(1,3336)	1:51:B:LYS:H	1:52:B:ALA:HA	19	0.12
(1,3335)	1:51:A:LYS:H	1:52:A:ALA:HA	15	0.12
(1,3335)	1:51:A:LYS:H	1:52:A:ALA:HA	19	0.12
(1,3310)	1:54:B:ILE:H	1:49:B:LYS:H	6	0.12
(1,3309)	1:54:A:ILE:H	1:49:A:LYS:H	6	0.12
(1,3291)	1:84:A:ALA:H	1:92:A:GLU:H	10	0.12
(1,3288)	1:87:B:TYR:H	1:89:B:THR:H	14	0.12
(1,3287)	1:87:A:TYR:H	1:89:A:THR:H	14	0.12
(1,3287)	1:87:A:TYR:H	1:89:A:THR:H	17	0.12
(1,3274)	1:52:B:ALA:H	1:50:B:ASP:H	16	0.12
(1,3238)	1:81:B:ALA:H	1:85:B:ALA:H	17	0.12
(1,3238)	1:81:B:ALA:H	1:85:B:ALA:H	19	0.12
(1,3238)	1:81:B:ALA:H	1:85:B:ALA:H	20	0.12
(1,3237)	1:81:A:ALA:H	1:85:A:ALA:H	10	0.12
(1,3237)	1:81:A:ALA:H	1:85:A:ALA:H	17	0.12
(1,3237)	1:81:A:ALA:H	1:85:A:ALA:H	19	0.12
(1,3237)	1:81:A:ALA:H	1:85:A:ALA:H	20	0.12
(1,3182)	1:72:B:GLN:HG3	1:75:B:ILE:HG22	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3181)	1:72:A:GLN:HG3	1:75:A:ILE:HG22	17	0.12
(1,3168)	1:75:B:ILE:HG21	1:76:B:SER:HA	4	0.12
(1,3167)	1:75:A:ILE:HG21	1:76:A:SER:HA	4	0.12
(1,3156)	1:82:B:LEU:HD12	1:82:B:LEU:HG	3	0.12
(1,3156)	1:82:B:LEU:HD11	1:82:B:LEU:HG	4	0.12
(1,3156)	1:82:B:LEU:HD12	1:82:B:LEU:HG	6	0.12
(1,3156)	1:82:B:LEU:HD11	1:82:B:LEU:HG	7	0.12
(1,3156)	1:82:B:LEU:HD13	1:82:B:LEU:HG	9	0.12
(1,3156)	1:82:B:LEU:HD11	1:82:B:LEU:HG	11	0.12
(1,3156)	1:82:B:LEU:HD12	1:82:B:LEU:HG	12	0.12
(1,3156)	1:82:B:LEU:HD12	1:82:B:LEU:HG	16	0.12
(1,3155)	1:82:A:LEU:HD12	1:82:A:LEU:HG	3	0.12
(1,3155)	1:82:A:LEU:HD11	1:82:A:LEU:HG	4	0.12
(1,3155)	1:82:A:LEU:HD12	1:82:A:LEU:HG	6	0.12
(1,3155)	1:82:A:LEU:HD11	1:82:A:LEU:HG	7	0.12
(1,3155)	1:82:A:LEU:HD11	1:82:A:LEU:HG	9	0.12
(1,3155)	1:82:A:LEU:HD11	1:82:A:LEU:HG	11	0.12
(1,3155)	1:82:A:LEU:HD12	1:82:A:LEU:HG	12	0.12
(1,3155)	1:82:A:LEU:HD12	1:82:A:LEU:HG	16	0.12
(1,3140)	1:12:B:VAL:HG23	1:9:B:GLU:HG3	2	0.12
(1,3139)	1:12:A:VAL:HG23	1:9:A:GLU:HG3	2	0.12
(1,3136)	1:57:B:ILE:HG21	1:57:B:ILE:HB	8	0.12
(1,3136)	1:57:B:ILE:HG22	1:57:B:ILE:HB	10	0.12
(1,3136)	1:80:B:ILE:HG23	1:80:B:ILE:HB	13	0.12
(1,3135)	1:57:A:ILE:HG21	1:57:A:ILE:HB	8	0.12
(1,3135)	1:57:A:ILE:HG22	1:57:A:ILE:HB	10	0.12
(1,3135)	1:80:A:ILE:HG23	1:80:A:ILE:HB	13	0.12
(1,3116)	1:8:B:LEU:HG	1:6:B:GLU:HA	1	0.12
(1,3115)	1:8:A:LEU:HG	1:6:A:GLU:HA	1	0.12
(1,3114)	1:8:B:LEU:HG	1:6:B:GLU:HA	1	0.12
(1,3113)	1:8:A:LEU:HG	1:6:A:GLU:HA	1	0.12
(1,3100)	1:37:B:LEU:HD12	1:37:B:LEU:HG	10	0.12
(1,3100)	1:37:B:LEU:HD12	1:37:B:LEU:HG	11	0.12
(1,3099)	1:37:A:LEU:HD21	1:37:A:LEU:HG	10	0.12
(1,3099)	1:37:A:LEU:HD12	1:37:A:LEU:HG	11	0.12
(1,3068)	1:54:B:ILE:HG21	1:54:B:ILE:HA	7	0.12
(1,3067)	1:54:A:ILE:HG21	1:54:A:ILE:HA	7	0.12
(1,3048)	1:30:B:LYS:HA	1:33:B:LEU:HD23	2	0.12
(1,3048)	1:30:B:LYS:HA	1:33:B:LEU:HD21	8	0.12
(1,3048)	1:30:B:LYS:HA	1:33:B:LEU:HD23	15	0.12
(1,3047)	1:30:A:LYS:HA	1:33:A:LEU:HD23	2	0.12
(1,3047)	1:30:A:LYS:HA	1:33:A:LEU:HD23	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3047)	1:30:A:LYS:HA	1:33:A:LEU:HD21	16	0.12
(1,3016)	1:53:B:VAL:HG12	1:50:B:ASP:HB2	7	0.12
(1,3015)	1:53:A:VAL:HG12	1:50:A:ASP:HB2	7	0.12
(1,2956)	1:74:B:PHE:HB2	1:61:B:LEU:HB3	20	0.12
(1,2955)	1:74:A:PHE:HB2	1:61:A:LEU:HB3	20	0.12
(1,2884)	1:83:B:LYS:HG3	1:82:B:LEU:HB2	15	0.12
(1,2883)	1:83:A:LYS:HG3	1:82:A:LEU:HB2	15	0.12
(1,2834)	1:79:B:ALA:HB3	1:76:B:SER:HB3	9	0.12
(1,2834)	1:79:B:ALA:HB2	1:76:B:SER:HB3	11	0.12
(1,2833)	1:79:A:ALA:HB3	1:76:A:SER:HB3	9	0.12
(1,2779)	1:42:A:ALA:HB2	1:38:A:THR:HA	3	0.12
(1,2779)	1:42:A:ALA:HB3	1:38:A:THR:HA	5	0.12
(1,2779)	1:84:A:ALA:HB3	1:44:A:THR:HA	11	0.12
(1,2698)	1:45:B:ILE:HB	1:48:B:ILE:HA	14	0.12
(1,2698)	1:45:B:ILE:HB	1:48:B:ILE:HA	17	0.12
(1,2697)	1:45:A:ILE:HB	1:48:A:ILE:HA	14	0.12
(1,2697)	1:45:A:ILE:HB	1:48:A:ILE:HA	17	0.12
(1,2688)	1:30:B:LYS:HD2	1:51:B:LYS:HD2	5	0.12
(1,2688)	1:30:B:LYS:HD2	1:51:B:LYS:HD3	7	0.12
(1,2681)	1:83:A:LYS:HB2	1:91:A:LYS:HD3	8	0.12
(1,2673)	1:84:A:ALA:HB3	1:91:A:LYS:HD3	18	0.12
(1,2662)	1:30:B:LYS:HG3	1:34:B:LYS:HB2	4	0.12
(1,2636)	1:45:B:ILE:HD13	1:41:B:LEU:HB2	12	0.12
(1,2635)	1:45:A:ILE:HD13	1:41:A:LEU:HB2	12	0.12
(1,2563)	1:13:A:ASN:HB2	1:9:A:GLU:HB3	4	0.12
(1,2559)	1:39:A:LYS:HE3	1:39:A:LYS:HB3	4	0.12
(1,2546)	1:36:B:LEU:HD22	1:33:B:LEU:HB2	18	0.12
(1,2545)	1:36:A:LEU:HD22	1:33:A:LEU:HB2	13	0.12
(1,2545)	1:36:A:LEU:HD22	1:33:A:LEU:HB2	18	0.12
(1,2466)	1:32:B:GLU:HG3	1:32:B:GLU:HA	18	0.12
(1,2454)	1:39:B:LYS:HD2	1:39:B:LYS:HB2	14	0.12
(1,2453)	1:39:A:LYS:HD2	1:39:A:LYS:HB2	14	0.12
(1,2428)	1:74:B:PHE:HB3	1:71:B:PHE:HB3	20	0.12
(1,2394)	1:56:B:GLU:HG2	1:59:B:GLN:HG3	17	0.12
(1,2393)	1:56:A:GLU:HG2	1:59:A:GLN:HG3	10	0.12
(1,2393)	1:56:A:GLU:HG2	1:59:A:GLN:HG3	17	0.12
(1,2393)	1:56:A:GLU:HG2	1:59:A:GLN:HG3	19	0.12
(1,2388)	1:12:B:VAL:HB	1:13:B:ASN:HB2	9	0.12
(1,2338)	1:58:B:PHE:HB2	1:30:B:LYS:HE2	20	0.12
(1,2299)	1:53:A:VAL:HA	1:50:A:ASP:HB3	17	0.12
(1,2267)	1:75:A:ILE:HD13	1:83:B:LYS:HE3	20	0.12
(1,2266)	1:53:B:VAL:HG12	1:50:B:ASP:HB2	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2261)	1:72:A:GLN:HG3	1:83:B:LYS:HE3	12	0.12
(1,2256)	1:52:B:ALA:HB3	1:50:B:ASP:HB2	12	0.12
(1,2255)	1:52:A:ALA:HB3	1:50:A:ASP:HB2	12	0.12
(1,2222)	1:30:B:LYS:HB3	1:51:B:LYS:HE3	16	0.12
(1,2221)	1:30:A:LYS:HB2	1:58:A:PHE:HB3	15	0.12
(1,2202)	1:8:B:LEU:HD13	1:78:A:VAL:HA	18	0.12
(1,2180)	1:13:B:ASN:HB2	1:16:B:HIS:HB3	13	0.12
(1,2179)	1:13:A:ASN:HB2	1:16:A:HIS:HB3	13	0.12
(1,2169)	1:86:A:HIS:HA	1:88:A:HIS:HB3	7	0.12
(1,2168)	1:86:B:HIS:HA	1:88:B:HIS:HB3	14	0.12
(1,2167)	1:86:A:HIS:HA	1:88:A:HIS:HB3	14	0.12
(1,2136)	1:45:B:ILE:HG13	1:37:B:LEU:HA	20	0.12
(1,2135)	1:45:A:ILE:HG13	1:37:A:LEU:HA	20	0.12
(1,2040)	1:48:B:ILE:HD13	1:81:B:ALA:HA	5	0.12
(1,2039)	1:48:A:ILE:HD13	1:81:A:ALA:HA	5	0.12
(1,2031)	1:12:A:VAL:HG22	1:82:B:LEU:HA	6	0.12
(1,1980)	1:75:B:ILE:HB	1:73:B:GLU:HA	5	0.12
(1,1960)	1:86:B:HIS:HB3	1:85:B:ALA:HA	10	0.12
(1,1960)	1:86:B:HIS:HB3	1:85:B:ALA:HA	13	0.12
(1,1959)	1:86:A:HIS:HB3	1:85:A:ALA:HA	10	0.12
(1,1942)	1:30:B:LYS:HD3	1:52:B:ALA:HA	8	0.12
(1,1932)	1:12:B:VAL:HB	1:85:A:ALA:HA	7	0.12
(1,1915)	1:30:A:LYS:HE3	1:55:A:ASP:HA	3	0.12
(1,1852)	1:75:B:ILE:H	1:75:B:ILE:HG22	1	0.12
(1,1851)	1:75:A:ILE:H	1:75:A:ILE:HG22	1	0.12
(1,1836)	1:62:B:ASP:H	1:73:B:GLU:HB3	1	0.12
(1,1835)	1:62:A:ASP:H	1:73:A:GLU:HB3	17	0.12
(1,1748)	1:91:B:LYS:H	1:84:B:ALA:HB1	9	0.12
(1,1747)	1:91:A:LYS:H	1:84:A:ALA:HB2	3	0.12
(1,1747)	1:91:A:LYS:H	1:84:A:ALA:HB1	9	0.12
(1,1734)	1:36:B:LEU:HD22	1:8:A:LEU:HD11	11	0.12
(1,1724)	1:80:B:ILE:HG23	1:8:A:LEU:HD12	10	0.12
(1,1692)	1:75:B:ILE:HG23	1:83:A:LYS:HE2	8	0.12
(1,1687)	1:12:A:VAL:HG22	1:82:B:LEU:HA	18	0.12
(1,1662)	1:49:B:LYS:H	1:48:B:ILE:HG22	8	0.12
(1,1661)	1:49:A:LYS:H	1:48:A:ILE:HG22	8	0.12
(1,1617)	1:63:A:ALA:H	1:61:A:LEU:HB3	12	0.12
(1,1611)	1:55:A:ASP:H	1:54:A:ILE:HD11	10	0.12
(1,1589)	1:64:A:ASN:H	1:63:A:ALA:HB1	1	0.12
(1,1560)	1:77:B:LEU:H	1:61:B:LEU:HB2	10	0.12
(1,1542)	1:44:B:THR:H	1:45:B:ILE:HB	5	0.12
(1,1541)	1:44:A:THR:H	1:45:A:ILE:HB	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1541)	1:44:A:THR:H	1:45:A:ILE:HB	16	0.12
(1,1532)	1:33:B:LEU:H	1:32:B:GLU:HB3	14	0.12
(1,1531)	1:33:A:LEU:H	1:32:A:GLU:HB3	14	0.12
(1,1526)	1:92:B:GLU:H	1:46:B:LYS:HB3	5	0.12
(1,1525)	1:92:A:GLU:H	1:46:A:LYS:HB3	5	0.12
(1,1440)	1:73:B:GLU:H	1:72:B:GLN:HG2	6	0.12
(1,1390)	1:86:B:HIS:H	1:86:B:HIS:HB2	17	0.12
(1,1389)	1:86:A:HIS:H	1:86:A:HIS:HB2	17	0.12
(1,1385)	1:87:A:TYR:H	1:86:A:HIS:HB2	9	0.12
(1,1374)	1:51:B:LYS:H	1:50:B:ASP:HB2	18	0.12
(1,1334)	1:50:B:ASP:H	1:47:B:ASN:HB2	19	0.12
(1,1333)	1:50:A:ASP:H	1:47:A:ASN:HB2	19	0.12
(1,1086)	1:46:B:LYS:H	1:90:B:HIS:HA	12	0.12
(1,1085)	1:46:A:LYS:H	1:90:A:HIS:HA	3	0.12
(1,816)	1:30:B:LYS:HG3	1:37:B:LEU:HD11	8	0.12
(1,815)	1:30:A:LYS:HG3	1:37:A:LEU:HD11	8	0.12
(1,790)	1:30:B:LYS:HD3	1:54:B:ILE:HG22	6	0.12
(1,790)	1:30:B:LYS:HD3	1:54:B:ILE:HG23	10	0.12
(1,790)	1:30:B:LYS:HD3	1:54:B:ILE:HG23	13	0.12
(1,790)	1:30:B:LYS:HD3	1:54:B:ILE:HG22	20	0.12
(1,789)	1:30:A:LYS:HD3	1:54:A:ILE:HG22	6	0.12
(1,789)	1:30:A:LYS:HD3	1:54:A:ILE:HG22	20	0.12
(1,618)	1:42:B:ALA:HB1	1:43:B:ASN:HB3	3	0.12
(1,618)	1:42:B:ALA:HB2	1:43:B:ASN:HB3	17	0.12
(1,617)	1:42:A:ALA:HB2	1:43:A:ASN:HB3	17	0.12
(1,591)	1:42:A:ALA:HB3	1:49:A:LYS:HD3	3	0.12
(1,569)	1:91:A:LYS:HD3	1:91:A:LYS:HE2	10	0.12
(1,556)	1:45:B:ILE:HB	1:44:B:THR:HB	4	0.12
(1,555)	1:45:A:ILE:HB	1:44:A:THR:HB	4	0.12
(1,532)	1:30:B:LYS:HG2	1:34:B:LYS:HB2	14	0.12
(1,511)	1:91:A:LYS:HB2	1:83:A:LYS:HB2	7	0.12
(1,472)	1:78:B:VAL:HG22	1:11:B:ILE:HB	20	0.12
(1,471)	1:78:A:VAL:HG22	1:11:A:ILE:HB	20	0.12
(1,442)	1:49:B:LYS:HB2	1:53:B:VAL:HB	7	0.12
(1,441)	1:49:A:LYS:HB2	1:53:A:VAL:HB	7	0.12
(1,400)	1:12:B:VAL:HG21	1:86:A:HIS:HB3	1	0.12
(1,385)	1:36:A:LEU:HD23	1:36:A:LEU:HA	3	0.12
(1,374)	1:75:B:ILE:HG22	1:75:B:ILE:HA	14	0.12
(1,373)	1:75:A:ILE:HG22	1:75:A:ILE:HA	14	0.12
(1,352)	1:30:B:LYS:HE3	1:51:B:LYS:HE3	10	0.12
(1,314)	1:11:B:ILE:HA	1:7:A:HIS:HB3	11	0.12
(1,300)	1:48:B:ILE:HD11	1:37:B:LEU:HA	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,300)	1:48:B:ILE:HD12	1:37:B:LEU:HA	17	0.12
(1,299)	1:48:A:ILE:HD11	1:37:A:LEU:HA	9	0.12
(1,299)	1:48:A:ILE:HD12	1:37:A:LEU:HA	17	0.12
(1,290)	1:53:B:VAL:HG12	1:53:B:VAL:HA	2	0.12
(1,290)	1:53:B:VAL:HG13	1:53:B:VAL:HA	4	0.12
(1,289)	1:53:A:VAL:HG12	1:53:A:VAL:HA	2	0.12
(1,289)	1:53:A:VAL:HG13	1:53:A:VAL:HA	4	0.12
(1,289)	1:53:A:VAL:HG11	1:53:A:VAL:HA	10	0.12
(1,287)	1:57:A:ILE:HG12	1:57:A:ILE:HA	10	0.12
(1,204)	1:80:B:ILE:HD11	1:76:B:SER:HA	11	0.12
(1,203)	1:80:A:ILE:HD11	1:76:A:SER:HA	11	0.12
(1,202)	1:36:B:LEU:HD21	1:33:B:LEU:HA	3	0.12
(1,201)	1:36:A:LEU:HD21	1:33:A:LEU:HA	3	0.12
(1,63)	1:49:A:LYS:HG2	1:50:A:ASP:H	4	0.12
(1,36)	1:90:B:HIS:H	1:89:B:THR:HB	4	0.12
(1,36)	1:90:B:HIS:H	1:89:B:THR:HB	7	0.12
(1,6)	1:75:B:ILE:HD11	1:83:A:LYS:HA	20	0.12
(3,115)	1:60:B:GLY:H	1:56:B:GLU:O	10	0.11
(3,115)	1:60:B:GLY:H	1:56:B:GLU:O	14	0.11
(3,115)	1:60:B:GLY:H	1:56:B:GLU:O	16	0.11
(3,114)	1:59:B:GLN:N	1:55:B:ASP:O	3	0.11
(3,114)	1:59:B:GLN:N	1:55:B:ASP:O	11	0.11
(3,114)	1:59:B:GLN:N	1:55:B:ASP:O	16	0.11
(3,106)	1:55:B:ASP:N	1:51:B:LYS:O	15	0.11
(3,104)	1:40:B:GLU:N	1:36:B:LEU:O	3	0.11
(3,104)	1:40:B:GLU:N	1:36:B:LEU:O	11	0.11
(3,98)	1:37:B:LEU:N	1:33:B:LEU:O	4	0.11
(3,92)	1:34:B:LYS:N	1:30:B:LYS:O	4	0.11
(3,92)	1:34:B:LYS:N	1:30:B:LYS:O	6	0.11
(3,92)	1:34:B:LYS:N	1:30:B:LYS:O	13	0.11
(3,92)	1:34:B:LYS:N	1:30:B:LYS:O	18	0.11
(3,92)	1:34:B:LYS:N	1:30:B:LYS:O	20	0.11
(3,89)	1:18:B:TYR:H	1:14:B:ILE:O	13	0.11
(3,80)	1:13:B:ASN:N	1:9:B:GLU:O	6	0.11
(3,43)	1:60:A:GLY:H	1:56:A:GLU:O	14	0.11
(3,42)	1:59:A:GLN:N	1:55:A:ASP:O	3	0.11
(3,42)	1:59:A:GLN:N	1:55:A:ASP:O	11	0.11
(3,34)	1:55:A:ASP:N	1:51:A:LYS:O	15	0.11
(3,32)	1:40:A:GLU:N	1:36:A:LEU:O	3	0.11
(3,32)	1:40:A:GLU:N	1:36:A:LEU:O	11	0.11
(3,20)	1:34:A:LYS:N	1:30:A:LYS:O	4	0.11
(3,20)	1:34:A:LYS:N	1:30:A:LYS:O	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,20)	1:34:A:LYS:N	1:30:A:LYS:O	13	0.11
(3,20)	1:34:A:LYS:N	1:30:A:LYS:O	18	0.11
(3,17)	1:18:A:TYR:H	1:14:A:ILE:O	13	0.11
(3,17)	1:18:A:TYR:H	1:14:A:ILE:O	16	0.11
(3,8)	1:13:A:ASN:N	1:9:A:GLU:O	6	0.11
(2,132)	1:12:B:VAL:H	1:86:A:HIS:HB3	11	0.11
(2,131)	1:12:A:VAL:H	1:86:B:HIS:HB3	11	0.11
(2,126)	1:63:B:ALA:H	1:64:B:ASN:HB3	20	0.11
(2,125)	1:63:A:ALA:H	1:64:A:ASN:HB3	20	0.11
(1,3826)	1:30:B:LYS:H	1:30:B:LYS:HG3	7	0.11
(1,3825)	1:30:A:LYS:H	1:30:A:LYS:HG3	7	0.11
(1,3825)	1:30:A:LYS:H	1:30:A:LYS:HG3	13	0.11
(1,3797)	1:47:A:ASN:H	1:48:A:ILE:HG22	16	0.11
(1,3796)	1:62:B:ASP:H	1:61:B:LEU:HD11	16	0.11
(1,3795)	1:62:A:ASP:H	1:61:A:LEU:HD11	16	0.11
(1,3782)	1:81:B:ALA:H	1:80:B:ILE:HG21	18	0.11
(1,3781)	1:81:A:ALA:H	1:80:A:ILE:HG21	18	0.11
(1,3773)	1:55:A:ASP:H	1:54:A:ILE:HG23	10	0.11
(1,3768)	1:41:B:LEU:H	1:48:B:ILE:HG21	19	0.11
(1,3767)	1:41:A:LEU:H	1:48:A:ILE:HG21	19	0.11
(1,3767)	1:41:A:LEU:H	1:48:A:ILE:HG21	20	0.11
(1,3763)	1:58:A:PHE:H	1:57:A:ILE:HG22	17	0.11
(1,3728)	1:55:B:ASP:H	1:53:B:VAL:HG13	1	0.11
(1,3728)	1:55:B:ASP:H	1:53:B:VAL:HG11	5	0.11
(1,3728)	1:55:B:ASP:H	1:53:B:VAL:HG11	9	0.11
(1,3728)	1:55:B:ASP:H	1:53:B:VAL:HG13	11	0.11
(1,3728)	1:55:B:ASP:H	1:53:B:VAL:HG13	18	0.11
(1,3727)	1:55:A:ASP:H	1:53:A:VAL:HG13	1	0.11
(1,3727)	1:55:A:ASP:H	1:53:A:VAL:HG11	9	0.11
(1,3727)	1:55:A:ASP:H	1:53:A:VAL:HG13	11	0.11
(1,3727)	1:55:A:ASP:H	1:53:A:VAL:HG13	18	0.11
(1,3692)	1:75:B:ILE:H	1:61:B:LEU:HB3	14	0.11
(1,3684)	1:43:B:ASN:H	1:48:B:ILE:HG12	1	0.11
(1,3684)	1:43:B:ASN:H	1:48:B:ILE:HG12	19	0.11
(1,3683)	1:43:A:ASN:H	1:48:A:ILE:HG12	1	0.11
(1,3672)	1:48:B:ILE:H	1:49:B:LYS:HG2	12	0.11
(1,3672)	1:48:B:ILE:H	1:49:B:LYS:HG2	20	0.11
(1,3671)	1:48:A:ILE:H	1:49:A:LYS:HG2	12	0.11
(1,3660)	1:33:B:LEU:H	1:33:B:LEU:HG	2	0.11
(1,3660)	1:33:B:LEU:H	1:33:B:LEU:HG	3	0.11
(1,3660)	1:33:B:LEU:H	1:33:B:LEU:HG	13	0.11
(1,3660)	1:33:B:LEU:H	1:33:B:LEU:HG	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3660)	1:33:B:LEU:H	1:33:B:LEU:HG	17	0.11
(1,3659)	1:33:A:LEU:H	1:33:A:LEU:HG	2	0.11
(1,3659)	1:33:A:LEU:H	1:33:A:LEU:HG	3	0.11
(1,3659)	1:33:A:LEU:H	1:33:A:LEU:HG	13	0.11
(1,3659)	1:33:A:LEU:H	1:33:A:LEU:HG	15	0.11
(1,3659)	1:33:A:LEU:H	1:33:A:LEU:HG	17	0.11
(1,3640)	1:12:B:VAL:H	1:85:A:ALA:HB1	6	0.11
(1,3639)	1:12:A:VAL:H	1:85:B:ALA:HB1	6	0.11
(1,3622)	1:87:B:TYR:H	1:85:B:ALA:HB3	14	0.11
(1,3621)	1:87:A:TYR:H	1:85:A:ALA:HB3	14	0.11
(1,3619)	1:90:A:HIS:H	1:91:A:LYS:HB2	7	0.11
(1,3616)	1:89:B:THR:H	1:91:B:LYS:HB2	7	0.11
(1,3615)	1:89:A:THR:H	1:91:A:LYS:HB2	7	0.11
(1,3565)	1:44:A:THR:H	1:48:A:ILE:HB	8	0.11
(1,3548)	1:76:B:SER:H	1:73:B:GLU:HB3	20	0.11
(1,3544)	1:41:B:LEU:H	1:39:B:LYS:HB2	15	0.11
(1,3543)	1:41:A:LEU:H	1:39:A:LYS:HB2	15	0.11
(1,3528)	1:49:B:LYS:H	1:46:B:LYS:HD2	13	0.11
(1,3527)	1:49:A:LYS:H	1:46:A:LYS:HD2	13	0.11
(1,3502)	1:67:B:GLU:H	1:66:B:ASP:HB3	1	0.11
(1,3490)	1:8:B:LEU:H	1:6:B:GLU:HG2	14	0.11
(1,3476)	1:57:B:ILE:H	1:56:B:GLU:HG2	19	0.11
(1,3475)	1:57:A:ILE:H	1:56:A:GLU:HG2	19	0.11
(1,3472)	1:58:B:PHE:H	1:59:B:GLN:HG2	5	0.11
(1,3471)	1:58:A:PHE:H	1:59:A:GLN:HG2	5	0.11
(1,3470)	1:70:B:ASP:H	1:62:B:ASP:HB2	1	0.11
(1,3469)	1:70:A:ASP:H	1:62:A:ASP:HB2	1	0.11
(1,3414)	1:59:B:GLN:H	1:54:B:ILE:HA	19	0.11
(1,3413)	1:59:A:GLN:H	1:54:A:ILE:HA	19	0.11
(1,3336)	1:51:B:LYS:H	1:52:B:ALA:HA	8	0.11
(1,3336)	1:51:B:LYS:H	1:52:B:ALA:HA	11	0.11
(1,3335)	1:51:A:LYS:H	1:52:A:ALA:HA	3	0.11
(1,3334)	1:69:B:VAL:H	1:29:B:SER:HB3	9	0.11
(1,3333)	1:69:A:VAL:H	1:29:A:SER:HB3	9	0.11
(1,3292)	1:84:B:ALA:H	1:92:B:GLU:H	10	0.11
(1,3274)	1:52:B:ALA:H	1:50:B:ASP:H	11	0.11
(1,3238)	1:81:B:ALA:H	1:85:B:ALA:H	10	0.11
(1,3202)	1:36:B:LEU:HD22	1:36:B:LEU:HA	1	0.11
(1,3202)	1:36:B:LEU:HD21	1:36:B:LEU:HA	13	0.11
(1,3201)	1:36:A:LEU:HD21	1:36:A:LEU:HA	13	0.11
(1,3179)	1:30:A:LYS:HG2	1:55:A:ASP:HB2	16	0.11
(1,3168)	1:75:B:ILE:HG21	1:76:B:SER:HA	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3168)	1:75:B:ILE:HG22	1:76:B:SER:HA	10	0.11
(1,3168)	1:75:B:ILE:HG22	1:76:B:SER:HA	13	0.11
(1,3168)	1:75:B:ILE:HG23	1:76:B:SER:HA	20	0.11
(1,3167)	1:75:A:ILE:HG22	1:76:A:SER:HA	13	0.11
(1,3167)	1:75:A:ILE:HG23	1:76:A:SER:HA	20	0.11
(1,3156)	1:82:B:LEU:HD12	1:82:B:LEU:HG	2	0.11
(1,3156)	1:82:B:LEU:HD11	1:82:B:LEU:HG	10	0.11
(1,3156)	1:82:B:LEU:HD13	1:82:B:LEU:HG	13	0.11
(1,3156)	1:82:B:LEU:HD12	1:82:B:LEU:HG	15	0.11
(1,3156)	1:82:B:LEU:HD11	1:82:B:LEU:HG	18	0.11
(1,3156)	1:82:B:LEU:HD12	1:82:B:LEU:HG	20	0.11
(1,3155)	1:82:A:LEU:HD12	1:82:A:LEU:HG	2	0.11
(1,3155)	1:82:A:LEU:HD11	1:82:A:LEU:HG	10	0.11
(1,3155)	1:82:A:LEU:HD13	1:82:A:LEU:HG	13	0.11
(1,3155)	1:82:A:LEU:HD12	1:82:A:LEU:HG	15	0.11
(1,3155)	1:82:A:LEU:HD11	1:82:A:LEU:HG	18	0.11
(1,3155)	1:82:A:LEU:HD12	1:82:A:LEU:HG	20	0.11
(1,3136)	1:80:B:ILE:HG21	1:80:B:ILE:HB	3	0.11
(1,3135)	1:80:A:ILE:HG21	1:80:A:ILE:HB	3	0.11
(1,3132)	1:54:B:ILE:HG23	1:58:B:PHE:HB3	3	0.11
(1,3132)	1:54:B:ILE:HG23	1:58:B:PHE:HB3	15	0.11
(1,3131)	1:54:A:ILE:HG23	1:58:A:PHE:HB3	3	0.11
(1,3131)	1:54:A:ILE:HG23	1:58:A:PHE:HB3	15	0.11
(1,3104)	1:30:B:LYS:HG2	1:30:B:LYS:HD3	6	0.11
(1,3103)	1:30:A:LYS:HG2	1:30:A:LYS:HD3	6	0.11
(1,3088)	1:30:B:LYS:HD3	1:67:B:GLU:HG3	8	0.11
(1,3078)	1:80:B:ILE:HD13	1:60:B:GLY:HA3	19	0.11
(1,3077)	1:80:A:ILE:HD13	1:60:A:GLY:HA3	19	0.11
(1,3068)	1:54:B:ILE:HG23	1:54:B:ILE:HA	9	0.11
(1,3067)	1:54:A:ILE:HG23	1:54:A:ILE:HA	9	0.11
(1,3056)	1:37:B:LEU:HD21	1:40:B:GLU:HB3	2	0.11
(1,3055)	1:37:A:LEU:HD21	1:40:A:GLU:HB3	2	0.11
(1,3038)	1:35:B:GLN:HB3	1:36:B:LEU:HG	11	0.11
(1,3037)	1:35:A:GLN:HB3	1:36:A:LEU:HG	11	0.11
(1,3026)	1:30:B:LYS:HD2	1:51:B:LYS:HB3	6	0.11
(1,3025)	1:30:A:LYS:HD2	1:51:A:LYS:HB3	6	0.11
(1,3008)	1:57:B:ILE:HG21	1:57:B:ILE:HG12	14	0.11
(1,3007)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	14	0.11
(1,3000)	1:53:B:VAL:HG11	1:46:B:LYS:HG3	18	0.11
(1,2999)	1:53:A:VAL:HG11	1:46:A:LYS:HG3	18	0.11
(1,2953)	1:41:A:LEU:HB3	1:44:A:THR:HG23	10	0.11
(1,2846)	1:74:B:PHE:HB2	1:77:B:LEU:HB3	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2845)	1:74:A:PHE:HB2	1:77:A:LEU:HB3	9	0.11
(1,2845)	1:74:A:PHE:HB2	1:77:A:LEU:HB3	12	0.11
(1,2844)	1:42:B:ALA:HB3	1:43:B:ASN:HB3	18	0.11
(1,2833)	1:79:A:ALA:HB2	1:76:A:SER:HB3	11	0.11
(1,2780)	1:42:B:ALA:HB3	1:38:B:THR:HA	5	0.11
(1,2780)	1:84:B:ALA:HB3	1:44:B:THR:HA	11	0.11
(1,2717)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	5	0.11
(1,2682)	1:83:B:LYS:HB2	1:91:B:LYS:HD3	8	0.11
(1,2674)	1:84:B:ALA:HB3	1:91:B:LYS:HD3	18	0.11
(1,2674)	1:84:B:ALA:HB1	1:91:B:LYS:HD3	20	0.11
(1,2673)	1:84:A:ALA:HB1	1:91:A:LYS:HD3	20	0.11
(1,2661)	1:30:A:LYS:HG3	1:34:A:LYS:HB2	4	0.11
(1,2635)	1:45:A:ILE:HD12	1:41:A:LEU:HB3	17	0.11
(1,2570)	1:30:B:LYS:HB2	1:33:B:LEU:HB2	3	0.11
(1,2569)	1:30:A:LYS:HB2	1:33:A:LEU:HB2	3	0.11
(1,2560)	1:39:B:LYS:HE3	1:39:B:LYS:HB3	4	0.11
(1,2546)	1:36:B:LEU:HD22	1:33:B:LEU:HB2	13	0.11
(1,2508)	1:10:B:GLY:HA3	1:9:B:GLU:HB3	10	0.11
(1,2496)	1:32:B:GLU:HG3	1:35:B:GLN:HB2	11	0.11
(1,2495)	1:32:A:GLU:HG3	1:35:A:GLN:HB2	11	0.11
(1,2465)	1:32:A:GLU:HG3	1:32:A:GLU:HA	18	0.11
(1,2459)	1:30:A:LYS:HD2	1:67:A:GLU:HG2	6	0.11
(1,2459)	1:30:A:LYS:HD2	1:67:A:GLU:HG3	11	0.11
(1,2436)	1:35:B:GLN:HG2	1:35:B:GLN:HB3	19	0.11
(1,2435)	1:35:A:GLN:HG2	1:35:A:GLN:HB3	6	0.11
(1,2435)	1:35:A:GLN:HG2	1:35:A:GLN:HB3	15	0.11
(1,2435)	1:35:A:GLN:HG2	1:35:A:GLN:HB3	19	0.11
(1,2410)	1:85:B:ALA:HB2	1:9:A:GLU:HG3	8	0.11
(1,2394)	1:56:B:GLU:HG2	1:59:B:GLN:HG3	10	0.11
(1,2381)	1:53:A:VAL:HB	1:50:A:ASP:HB2	8	0.11
(1,2376)	1:56:B:GLU:HG2	1:56:B:GLU:HA	13	0.11
(1,2375)	1:56:A:GLU:HG2	1:56:A:GLU:HA	13	0.11
(1,2360)	1:30:B:LYS:HG2	1:30:B:LYS:HE3	20	0.11
(1,2359)	1:30:A:LYS:HG2	1:30:A:LYS:HE3	20	0.11
(1,2337)	1:58:A:PHE:HB2	1:30:A:LYS:HE2	20	0.11
(1,2316)	1:32:B:GLU:HG3	1:35:B:GLN:HB2	11	0.11
(1,2315)	1:32:A:GLU:HG3	1:35:A:GLN:HB2	11	0.11
(1,2300)	1:53:B:VAL:HA	1:50:B:ASP:HB3	17	0.11
(1,2268)	1:75:B:ILE:HD13	1:83:A:LYS:HE3	20	0.11
(1,2262)	1:72:B:GLN:HG3	1:83:A:LYS:HE3	12	0.11
(1,2230)	1:46:B:LYS:HG2	1:46:B:LYS:HE2	6	0.11
(1,2229)	1:49:A:LYS:HG3	1:49:A:LYS:HE2	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2196)	1:59:B:GLN:HA	1:58:B:PHE:HB3	19	0.11
(1,2195)	1:59:A:GLN:HA	1:58:A:PHE:HB3	6	0.11
(1,2195)	1:59:A:GLN:HA	1:58:A:PHE:HB3	19	0.11
(1,2170)	1:86:B:HIS:HA	1:88:B:HIS:HB3	7	0.11
(1,2132)	1:33:B:LEU:HA	1:37:B:LEU:HA	15	0.11
(1,2131)	1:33:A:LEU:HA	1:37:A:LEU:HA	15	0.11
(1,2122)	1:54:B:ILE:HG22	1:34:B:LYS:HA	4	0.11
(1,2060)	1:83:B:LYS:HD2	1:79:B:ALA:HA	19	0.11
(1,2059)	1:83:A:LYS:HD2	1:79:A:ALA:HA	19	0.11
(1,2040)	1:48:B:ILE:HD11	1:42:B:ALA:HA	16	0.11
(1,2039)	1:48:A:ILE:HD11	1:42:A:ALA:HA	16	0.11
(1,1979)	1:75:A:ILE:HB	1:73:A:GLU:HA	5	0.11
(1,1960)	1:86:B:HIS:HB3	1:85:B:ALA:HA	2	0.11
(1,1959)	1:86:A:HIS:HB3	1:85:A:ALA:HA	2	0.11
(1,1941)	1:30:A:LYS:HD3	1:52:A:ALA:HA	8	0.11
(1,1926)	1:65:B:GLN:HG2	1:63:B:ALA:HA	7	0.11
(1,1925)	1:65:A:GLN:HG2	1:63:A:ALA:HA	7	0.11
(1,1916)	1:30:B:LYS:HE3	1:55:B:ASP:HA	3	0.11
(1,1892)	1:46:B:LYS:HG2	1:90:B:HIS:HA	12	0.11
(1,1891)	1:46:A:LYS:HG2	1:90:A:HIS:HA	12	0.11
(1,1882)	1:46:B:LYS:HE2	1:90:B:HIS:HA	6	0.11
(1,1882)	1:46:B:LYS:HE2	1:90:B:HIS:HA	15	0.11
(1,1881)	1:46:A:LYS:HE2	1:90:A:HIS:HA	6	0.11
(1,1881)	1:46:A:LYS:HE2	1:90:A:HIS:HA	15	0.11
(1,1881)	1:46:A:LYS:HE2	1:90:A:HIS:HA	20	0.11
(1,1850)	1:54:B:ILE:H	1:53:B:VAL:HG12	3	0.11
(1,1850)	1:54:B:ILE:H	1:53:B:VAL:HG11	9	0.11
(1,1849)	1:54:A:ILE:H	1:53:A:VAL:HG12	3	0.11
(1,1849)	1:54:A:ILE:H	1:53:A:VAL:HG11	9	0.11
(1,1822)	1:41:B:LEU:H	1:48:B:ILE:HG12	4	0.11
(1,1822)	1:41:B:LEU:H	1:48:B:ILE:HG12	17	0.11
(1,1821)	1:41:A:LEU:H	1:48:A:ILE:HG12	4	0.11
(1,1821)	1:41:A:LEU:H	1:48:A:ILE:HG12	17	0.11
(1,1800)	1:56:B:GLU:H	1:30:B:LYS:HD3	19	0.11
(1,1799)	1:56:A:GLU:H	1:30:A:LYS:HD3	19	0.11
(1,1750)	1:45:B:ILE:HG21	1:91:B:LYS:H	15	0.11
(1,1749)	1:45:A:ILE:HG21	1:91:A:LYS:H	15	0.11
(1,1748)	1:91:B:LYS:H	1:84:B:ALA:HB2	3	0.11
(1,1748)	1:91:B:LYS:H	1:84:B:ALA:HB3	6	0.11
(1,1747)	1:91:A:LYS:H	1:84:A:ALA:HB3	6	0.11
(1,1723)	1:80:A:ILE:HG23	1:8:B:LEU:HD11	12	0.11
(1,1691)	1:75:A:ILE:HG21	1:83:B:LYS:HE3	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:12:B:VAL:HG22	1:82:A:LEU:HA	4	0.11
(1,1688)	1:12:B:VAL:HG23	1:82:A:LEU:HA	7	0.11
(1,1688)	1:12:B:VAL:HG22	1:82:A:LEU:HA	18	0.11
(1,1618)	1:63:B:ALA:H	1:61:B:LEU:HB3	3	0.11
(1,1617)	1:63:A:ALA:H	1:61:A:LEU:HB3	3	0.11
(1,1590)	1:64:B:ASN:H	1:63:B:ALA:HB3	18	0.11
(1,1589)	1:64:A:ASN:H	1:63:A:ALA:HB1	2	0.11
(1,1542)	1:44:B:THR:H	1:45:B:ILE:HB	3	0.11
(1,1542)	1:44:B:THR:H	1:45:B:ILE:HB	13	0.11
(1,1541)	1:44:A:THR:H	1:45:A:ILE:HB	5	0.11
(1,1541)	1:44:A:THR:H	1:45:A:ILE:HB	13	0.11
(1,1526)	1:92:B:GLU:H	1:46:B:LYS:HB3	13	0.11
(1,1525)	1:92:A:GLU:H	1:46:A:LYS:HB3	13	0.11
(1,1472)	1:63:B:ALA:H	1:73:B:GLU:HB3	9	0.11
(1,1471)	1:63:A:ALA:H	1:73:A:GLU:HB3	9	0.11
(1,1454)	1:35:B:GLN:H	1:35:B:GLN:HG3	5	0.11
(1,1454)	1:35:B:GLN:H	1:35:B:GLN:HG3	7	0.11
(1,1454)	1:35:B:GLN:H	1:35:B:GLN:HG3	12	0.11
(1,1453)	1:35:A:GLN:H	1:35:A:GLN:HG3	5	0.11
(1,1453)	1:35:A:GLN:H	1:35:A:GLN:HG3	7	0.11
(1,1453)	1:35:A:GLN:H	1:35:A:GLN:HG3	12	0.11
(1,1453)	1:35:A:GLN:H	1:35:A:GLN:HG3	15	0.11
(1,1432)	1:61:B:LEU:H	1:62:B:ASP:HB2	7	0.11
(1,1414)	1:59:B:GLN:H	1:59:B:GLN:HG3	10	0.11
(1,1413)	1:59:A:GLN:H	1:59:A:GLN:HG3	10	0.11
(1,1413)	1:59:A:GLN:H	1:59:A:GLN:HG3	16	0.11
(1,1373)	1:51:A:LYS:H	1:50:A:ASP:HB2	18	0.11
(1,1368)	1:52:B:ALA:H	1:50:B:ASP:HB2	16	0.11
(1,1367)	1:52:A:ALA:H	1:50:A:ASP:HB2	16	0.11
(1,1358)	1:89:B:THR:H	1:87:B:TYR:HB3	4	0.11
(1,1357)	1:89:A:THR:H	1:87:A:TYR:HB3	4	0.11
(1,1318)	1:14:B:ILE:H	1:16:B:HIS:HB3	2	0.11
(1,1317)	1:14:A:ILE:H	1:16:A:HIS:HB3	2	0.11
(1,1086)	1:46:B:LYS:H	1:90:B:HIS:HA	3	0.11
(1,1085)	1:46:A:LYS:H	1:90:A:HIS:HA	12	0.11
(1,918)	1:91:B:LYS:H	1:90:B:HIS:H	4	0.11
(1,918)	1:91:B:LYS:H	1:90:B:HIS:H	5	0.11
(1,917)	1:91:A:LYS:H	1:90:A:HIS:H	3	0.11
(1,917)	1:91:A:LYS:H	1:90:A:HIS:H	4	0.11
(1,917)	1:91:A:LYS:H	1:90:A:HIS:H	5	0.11
(1,848)	1:78:B:VAL:HG12	1:78:B:VAL:HG21	3	0.11
(1,848)	1:78:B:VAL:HG11	1:78:B:VAL:HG21	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	1:78:B:VAL:HG12	1:78:B:VAL:HG22	11	0.11
(1,847)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	3	0.11
(1,847)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	8	0.11
(1,847)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	11	0.11
(1,790)	1:30:B:LYS:HD3	1:54:B:ILE:HG23	3	0.11
(1,790)	1:30:B:LYS:HD3	1:54:B:ILE:HG22	17	0.11
(1,790)	1:30:B:LYS:HD3	1:54:B:ILE:HG23	18	0.11
(1,789)	1:30:A:LYS:HD3	1:54:A:ILE:HG23	3	0.11
(1,789)	1:30:A:LYS:HD3	1:54:A:ILE:HG22	7	0.11
(1,789)	1:30:A:LYS:HD3	1:54:A:ILE:HG23	10	0.11
(1,789)	1:30:A:LYS:HD3	1:54:A:ILE:HG22	17	0.11
(1,662)	1:57:B:ILE:HG12	1:80:B:ILE:HG12	20	0.11
(1,592)	1:42:B:ALA:HB2	1:49:B:LYS:HD3	2	0.11
(1,591)	1:42:A:ALA:HB2	1:49:A:LYS:HD3	2	0.11
(1,572)	1:49:B:LYS:HB3	1:49:B:LYS:HD2	13	0.11
(1,571)	1:49:A:LYS:HB3	1:49:A:LYS:HD2	13	0.11
(1,558)	1:91:B:LYS:HD3	1:80:B:ILE:HA	14	0.11
(1,557)	1:91:A:LYS:HD3	1:80:A:ILE:HA	14	0.11
(1,556)	1:45:B:ILE:HB	1:44:B:THR:HB	9	0.11
(1,556)	1:45:B:ILE:HB	1:44:B:THR:HB	20	0.11
(1,555)	1:45:A:ILE:HB	1:44:A:THR:HB	9	0.11
(1,555)	1:45:A:ILE:HB	1:44:A:THR:HB	20	0.11
(1,548)	1:45:B:ILE:HG13	1:41:B:LEU:HB3	12	0.11
(1,547)	1:45:A:ILE:HG13	1:41:A:LEU:HB3	12	0.11
(1,531)	1:30:A:LYS:HG2	1:34:A:LYS:HB2	14	0.11
(1,512)	1:91:B:LYS:HB2	1:83:B:LYS:HB2	7	0.11
(1,456)	1:67:B:GLU:HG3	1:67:B:GLU:HA	12	0.11
(1,455)	1:67:A:GLU:HG3	1:67:A:GLU:HA	12	0.11
(1,400)	1:12:B:VAL:HG22	1:86:A:HIS:HB3	12	0.11
(1,399)	1:12:A:VAL:HG21	1:86:B:HIS:HB3	1	0.11
(1,399)	1:12:A:VAL:HG22	1:86:B:HIS:HB3	12	0.11
(1,351)	1:30:A:LYS:HE3	1:51:A:LYS:HE3	10	0.11
(1,332)	1:46:B:LYS:HE3	1:47:B:ASN:HB2	16	0.11
(1,313)	1:11:A:ILE:HA	1:7:B:HIS:HB3	11	0.11
(1,290)	1:53:B:VAL:HG11	1:53:B:VAL:HA	10	0.11
(1,288)	1:57:B:ILE:HG12	1:57:B:ILE:HA	10	0.11
(1,202)	1:36:B:LEU:HD22	1:33:B:LEU:HA	2	0.11
(1,202)	1:36:B:LEU:HD23	1:33:B:LEU:HA	6	0.11
(1,201)	1:36:A:LEU:HD22	1:33:A:LEU:HA	2	0.11
(1,201)	1:36:A:LEU:HD23	1:33:A:LEU:HA	6	0.11
(1,64)	1:49:B:LYS:HG2	1:50:B:ASP:H	4	0.11
(1,35)	1:90:A:HIS:H	1:89:A:THR:HB	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:90:A:HIS:H	1:89:A:THR:HB	7	0.11
(1,34)	1:8:B:LEU:H	1:8:B:LEU:HD11	7	0.11
(1,34)	1:8:B:LEU:H	1:8:B:LEU:HD13	11	0.11
(1,33)	1:8:A:LEU:H	1:8:A:LEU:HD11	7	0.11
(1,33)	1:8:A:LEU:H	1:8:A:LEU:HD13	11	0.11
(3,134)	1:82:B:LEU:N	1:78:B:VAL:O	7	0.1
(3,114)	1:59:B:GLN:N	1:55:B:ASP:O	8	0.1
(3,104)	1:40:B:GLU:N	1:36:B:LEU:O	7	0.1
(3,104)	1:40:B:GLU:N	1:36:B:LEU:O	8	0.1
(3,89)	1:18:B:TYR:H	1:14:B:ILE:O	16	0.1
(3,43)	1:60:A:GLY:H	1:56:A:GLU:O	8	0.1
(3,42)	1:59:A:GLN:N	1:55:A:ASP:O	16	0.1
(3,32)	1:40:A:GLU:N	1:36:A:LEU:O	7	0.1
(3,32)	1:40:A:GLU:N	1:36:A:LEU:O	8	0.1
(3,26)	1:37:A:LEU:N	1:33:A:LEU:O	4	0.1
(2,128)	1:18:B:TYR:H	1:36:B:LEU:HA	15	0.1
(2,128)	1:18:B:TYR:H	1:36:B:LEU:HA	20	0.1
(2,127)	1:18:A:TYR:H	1:36:A:LEU:HA	20	0.1
(2,72)	1:32:B:GLU:HB2	1:36:B:LEU:HB2	7	0.1
(2,16)	1:39:B:LYS:HB2	1:42:B:ALA:H	19	0.1
(2,15)	1:39:A:LYS:HB2	1:42:A:ALA:H	19	0.1
(1,3826)	1:30:B:LYS:H	1:30:B:LYS:HG3	13	0.1
(1,3798)	1:47:B:ASN:H	1:48:B:ILE:HG22	16	0.1
(1,3764)	1:58:B:PHE:H	1:57:B:ILE:HG22	17	0.1
(1,3691)	1:75:A:ILE:H	1:61:A:LEU:HB3	14	0.1
(1,3683)	1:43:A:ASN:H	1:48:A:ILE:HG12	19	0.1
(1,3671)	1:48:A:ILE:H	1:49:A:LYS:HG2	5	0.1
(1,3660)	1:33:B:LEU:H	1:33:B:LEU:HG	5	0.1
(1,3659)	1:33:A:LEU:H	1:33:A:LEU:HG	5	0.1
(1,3548)	1:76:B:SER:H	1:73:B:GLU:HB3	8	0.1
(1,3547)	1:76:A:SER:H	1:73:A:GLU:HB3	20	0.1
(1,3534)	1:36:B:LEU:H	1:32:B:GLU:HG3	10	0.1
(1,3472)	1:58:B:PHE:H	1:59:B:GLN:HG3	8	0.1
(1,3466)	1:58:B:PHE:H	1:59:B:GLN:HG3	18	0.1
(1,3452)	1:72:B:GLN:H	1:83:A:LYS:HE3	20	0.1
(1,3350)	1:48:B:ILE:H	1:46:B:LYS:HA	18	0.1
(1,3349)	1:48:A:ILE:H	1:46:A:LYS:HA	18	0.1
(1,3336)	1:51:B:LYS:H	1:52:B:ALA:HA	3	0.1
(1,3335)	1:51:A:LYS:H	1:52:A:ALA:HA	8	0.1
(1,3335)	1:51:A:LYS:H	1:52:A:ALA:HA	11	0.1
(1,3273)	1:52:A:ALA:H	1:50:A:ASP:H	11	0.1
(1,3202)	1:36:B:LEU:HD23	1:36:B:LEU:HA	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3201)	1:36:A:LEU:HD22	1:36:A:LEU:HA	1	0.1
(1,3201)	1:36:A:LEU:HD23	1:36:A:LEU:HA	15	0.1
(1,3201)	1:36:A:LEU:HD23	1:36:A:LEU:HA	19	0.1
(1,3180)	1:30:B:LYS:HG2	1:55:B:ASP:HB2	16	0.1
(1,3168)	1:75:B:ILE:HG21	1:76:B:SER:HA	16	0.1
(1,3167)	1:75:A:ILE:HG21	1:76:A:SER:HA	9	0.1
(1,3167)	1:75:A:ILE:HG22	1:76:A:SER:HA	10	0.1
(1,3167)	1:75:A:ILE:HG21	1:76:A:SER:HA	16	0.1
(1,3156)	1:82:B:LEU:HD13	1:82:B:LEU:HG	17	0.1
(1,3156)	1:82:B:LEU:HD13	1:82:B:LEU:HG	19	0.1
(1,3155)	1:82:A:LEU:HD13	1:82:A:LEU:HG	17	0.1
(1,3155)	1:82:A:LEU:HD13	1:82:A:LEU:HG	19	0.1
(1,3132)	1:54:B:ILE:HG23	1:58:B:PHE:HB3	13	0.1
(1,3096)	1:54:B:ILE:HG12	1:54:B:ILE:HG23	8	0.1
(1,3095)	1:54:A:ILE:HG12	1:54:A:ILE:HG23	8	0.1
(1,3068)	1:54:B:ILE:HG23	1:54:B:ILE:HA	4	0.1
(1,3067)	1:54:A:ILE:HG23	1:54:A:ILE:HA	4	0.1
(1,3067)	1:54:A:ILE:HG22	1:54:A:ILE:HA	15	0.1
(1,2956)	1:74:B:PHE:HB2	1:61:B:LEU:HB3	12	0.1
(1,2955)	1:74:A:PHE:HB2	1:61:A:LEU:HB3	12	0.1
(1,2954)	1:41:B:LEU:HB3	1:44:B:THR:HG23	10	0.1
(1,2932)	1:45:B:ILE:HG13	1:81:B:ALA:HA	11	0.1
(1,2931)	1:45:A:ILE:HG13	1:81:A:ALA:HA	11	0.1
(1,2846)	1:74:B:PHE:HB2	1:77:B:LEU:HB3	12	0.1
(1,2843)	1:42:A:ALA:HB3	1:43:A:ASN:HB3	18	0.1
(1,2729)	1:75:A:ILE:HD13	1:91:B:LYS:HD3	11	0.1
(1,2718)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	1	0.1
(1,2718)	1:49:B:LYS:HG2	1:49:B:LYS:HD3	5	0.1
(1,2717)	1:49:A:LYS:HG2	1:49:A:LYS:HD3	1	0.1
(1,2704)	1:91:B:LYS:HD3	1:91:B:LYS:HE2	5	0.1
(1,2703)	1:91:A:LYS:HD3	1:91:A:LYS:HE2	5	0.1
(1,2636)	1:45:B:ILE:HD12	1:41:B:LEU:HB3	17	0.1
(1,2507)	1:10:A:GLY:HA3	1:9:A:GLU:HB3	10	0.1
(1,2466)	1:6:B:GLU:HB2	1:6:B:GLU:HA	19	0.1
(1,2465)	1:32:A:GLU:HG3	1:32:A:GLU:HA	10	0.1
(1,2465)	1:6:A:GLU:HB2	1:6:A:GLU:HA	19	0.1
(1,2460)	1:30:B:LYS:HD2	1:67:B:GLU:HG3	11	0.1
(1,2436)	1:35:B:GLN:HG2	1:35:B:GLN:HB3	6	0.1
(1,2436)	1:35:B:GLN:HG2	1:35:B:GLN:HB3	15	0.1
(1,2393)	1:56:A:GLU:HG2	1:59:A:GLN:HG3	20	0.1
(1,2382)	1:53:B:VAL:HB	1:50:B:ASP:HB2	8	0.1
(1,2368)	1:62:B:ASP:HB2	1:67:B:GLU:HB2	20	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2367)	1:62:A:ASP:HB2	1:67:A:GLU:HB2	20	0.1
(1,2349)	1:59:A:GLN:HG2	1:59:A:GLN:HA	16	0.1
(1,2294)	1:70:B:ASP:HB3	1:74:B:PHE:HB3	18	0.1
(1,2229)	1:46:A:LYS:HG2	1:46:A:LYS:HE2	6	0.1
(1,2196)	1:59:B:GLN:HA	1:58:B:PHE:HB3	6	0.1
(1,2121)	1:54:A:ILE:HG22	1:34:A:LYS:HA	4	0.1
(1,1931)	1:12:A:VAL:HB	1:85:B:ALA:HA	7	0.1
(1,1849)	1:54:A:ILE:H	1:53:A:VAL:HG13	14	0.1
(1,1834)	1:59:B:GLN:HG2	1:62:B:ASP:H	14	0.1
(1,1833)	1:59:A:GLN:HG2	1:62:A:ASP:H	11	0.1
(1,1833)	1:59:A:GLN:HG2	1:62:A:ASP:H	14	0.1
(1,1800)	1:56:B:GLU:H	1:30:B:LYS:HD2	15	0.1
(1,1740)	1:83:B:LYS:HB2	1:75:A:ILE:HD13	17	0.1
(1,1724)	1:80:B:ILE:HG23	1:8:A:LEU:HD11	12	0.1
(1,1692)	1:75:B:ILE:HG21	1:83:A:LYS:HE3	14	0.1
(1,1687)	1:12:A:VAL:HG22	1:82:B:LEU:HA	4	0.1
(1,1617)	1:63:A:ALA:H	1:61:A:LEU:HB3	4	0.1
(1,1590)	1:64:B:ASN:H	1:63:B:ALA:HB1	2	0.1
(1,1590)	1:64:B:ASN:H	1:63:B:ALA:HB1	12	0.1
(1,1589)	1:64:A:ASN:H	1:63:A:ALA:HB3	18	0.1
(1,1542)	1:44:B:THR:H	1:45:B:ILE:HB	12	0.1
(1,1541)	1:44:A:THR:H	1:45:A:ILE:HB	3	0.1
(1,1541)	1:44:A:THR:H	1:45:A:ILE:HB	12	0.1
(1,1454)	1:35:B:GLN:H	1:35:B:GLN:HG3	15	0.1
(1,1432)	1:61:B:LEU:H	1:62:B:ASP:HB2	8	0.1
(1,1431)	1:61:A:LEU:H	1:62:A:ASP:HB2	7	0.1
(1,1428)	1:52:B:ALA:H	1:53:B:VAL:HB	2	0.1
(1,1427)	1:52:A:ALA:H	1:53:A:VAL:HB	12	0.1
(1,1414)	1:59:B:GLN:H	1:59:B:GLN:HG3	9	0.1
(1,1414)	1:59:B:GLN:H	1:59:B:GLN:HG3	13	0.1
(1,1414)	1:59:B:GLN:H	1:59:B:GLN:HG3	16	0.1
(1,1413)	1:59:A:GLN:H	1:59:A:GLN:HG3	9	0.1
(1,1413)	1:59:A:GLN:H	1:59:A:GLN:HG3	13	0.1
(1,1334)	1:50:B:ASP:H	1:47:B:ASN:HB2	18	0.1
(1,1333)	1:50:A:ASP:H	1:47:A:ASN:HB2	18	0.1
(1,904)	1:61:B:LEU:H	1:63:B:ALA:H	16	0.1
(1,903)	1:61:A:LEU:H	1:63:A:ALA:H	16	0.1
(1,790)	1:30:B:LYS:HD3	1:54:B:ILE:HG22	7	0.1
(1,789)	1:30:A:LYS:HD3	1:54:A:ILE:HG23	18	0.1
(1,661)	1:57:A:ILE:HG12	1:80:A:ILE:HG12	20	0.1
(1,614)	1:75:B:ILE:HG12	1:75:B:ILE:HA	5	0.1
(1,613)	1:75:A:ILE:HG12	1:75:A:ILE:HA	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,570)	1:91:B:LYS:HD3	1:91:B:LYS:HE2	12	0.1
(1,569)	1:91:A:LYS:HD3	1:91:A:LYS:HE2	12	0.1
(1,558)	1:91:B:LYS:HD3	1:80:B:ILE:HA	20	0.1
(1,557)	1:91:A:LYS:HD3	1:80:A:ILE:HA	20	0.1
(1,553)	1:75:A:ILE:HD13	1:91:B:LYS:HD3	11	0.1
(1,542)	1:58:B:PHE:HA	1:57:B:ILE:HB	4	0.1
(1,541)	1:58:A:PHE:HA	1:57:A:ILE:HB	4	0.1
(1,532)	1:30:B:LYS:HG2	1:34:B:LYS:HB2	7	0.1
(1,531)	1:30:A:LYS:HG2	1:34:A:LYS:HB2	7	0.1
(1,398)	1:12:B:VAL:HA	1:86:A:HIS:HB3	17	0.1
(1,397)	1:12:A:VAL:HA	1:86:B:HIS:HB3	17	0.1
(1,374)	1:75:B:ILE:HG21	1:75:B:ILE:HA	8	0.1
(1,373)	1:75:A:ILE:HG21	1:75:A:ILE:HA	8	0.1
(1,331)	1:46:A:LYS:HE3	1:47:A:ASN:HB2	16	0.1
(1,204)	1:80:B:ILE:HD13	1:76:B:SER:HA	4	0.1
(1,63)	1:49:A:LYS:HG2	1:50:A:ASP:H	3	0.1

10 Dihedral-angle violation analysis [i](#)

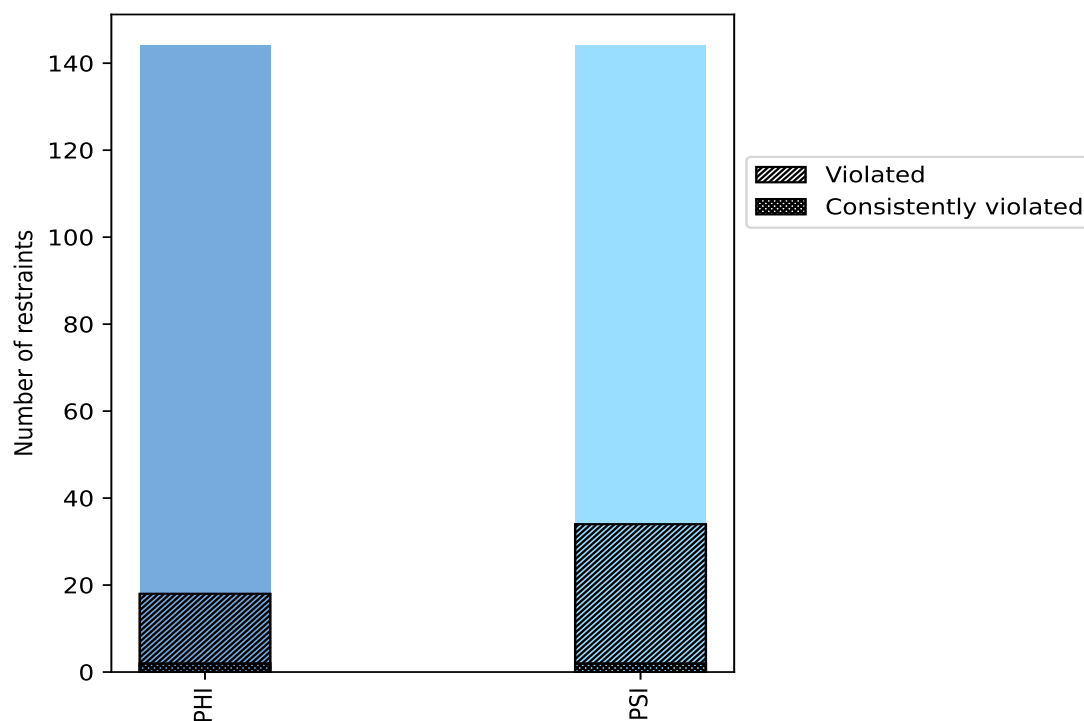
10.1 Summary of dihedral-angle violations [i](#)

The following table provides the summary of dihedral-angle violations in different dihedral-angle types. Violations less than 1° are not included in the calculation.

Angle type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
PHI	144	50.0	18	12.5	6.2	2	1.4	0.7
PSI	144	50.0	34	23.6	11.8	2	1.4	0.7
Total	288	100.0	52	18.1	18.1	4	1.4	1.4

¹ percentage calculated with respect to total number of dihedral-angle restraints, ² percentage calculated with respect to number of restraints in a particular dihedral-angle type, ³ violated in at least one model, ⁴ violated in all the models

10.1.1 Bar chart : Distribution of dihedral-angles and violations [i](#)



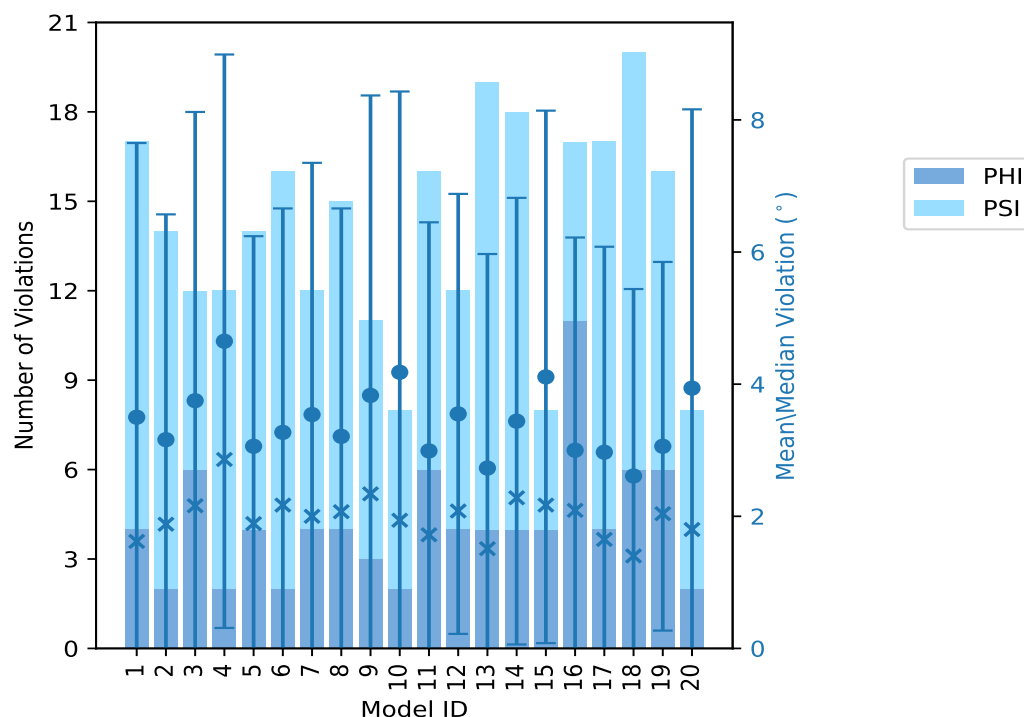
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model

The following table provides the dihedral-angle violation statistics for each model in the ensemble. Violations less than 1° are not included in the statistics.

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PHI	PSI	Total				
1	4	13	17	3.5	14.72	4.15	1.62
2	2	12	14	3.16	11.53	3.41	1.88
3	6	6	12	3.75	13.44	4.37	2.16
4	2	10	12	4.65	14.33	4.34	2.86
5	4	10	14	3.06	10.77	3.18	1.89
6	2	14	16	3.27	12.2	3.39	2.17
7	4	8	12	3.54	12.03	3.81	2.0
8	4	11	15	3.21	12.04	3.45	2.07
9	3	8	11	3.83	13.41	4.54	2.34
10	2	6	8	4.18	11.56	4.25	1.94
11	6	10	16	2.99	12.17	3.46	1.72
12	4	8	12	3.55	10.94	3.33	2.08
13	4	15	19	2.73	12.2	3.24	1.51
14	4	14	18	3.44	12.47	3.38	2.28
15	4	4	8	4.11	11.08	4.03	2.17
16	11	6	17	3.0	11.73	3.22	2.09
17	4	13	17	2.97	11.3	3.11	1.65
18	6	14	20	2.61	10.92	2.83	1.4
19	6	10	16	3.06	10.43	2.79	2.04
20	2	6	8	3.94	11.2	4.22	1.8

10.2.1 Bar graph : Dihedral violation statistics for each model [i](#)



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

10.3 Dihedral-angle violation statistics for the ensemble [i](#)

Violation analysis may find that some restraints are violated in very 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 ensemble.

Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count ¹	%
4	9	13	1	5.0
6	5	11	2	10.0
2	2	4	3	15.0
2	2	4	4	20.0
0	0	0	5	25.0
0	2	2	6	30.0
2	5	7	7	35.0
0	1	1	8	40.0
0	2	2	9	45.0
0	0	0	10	50.0
0	0	0	11	55.0

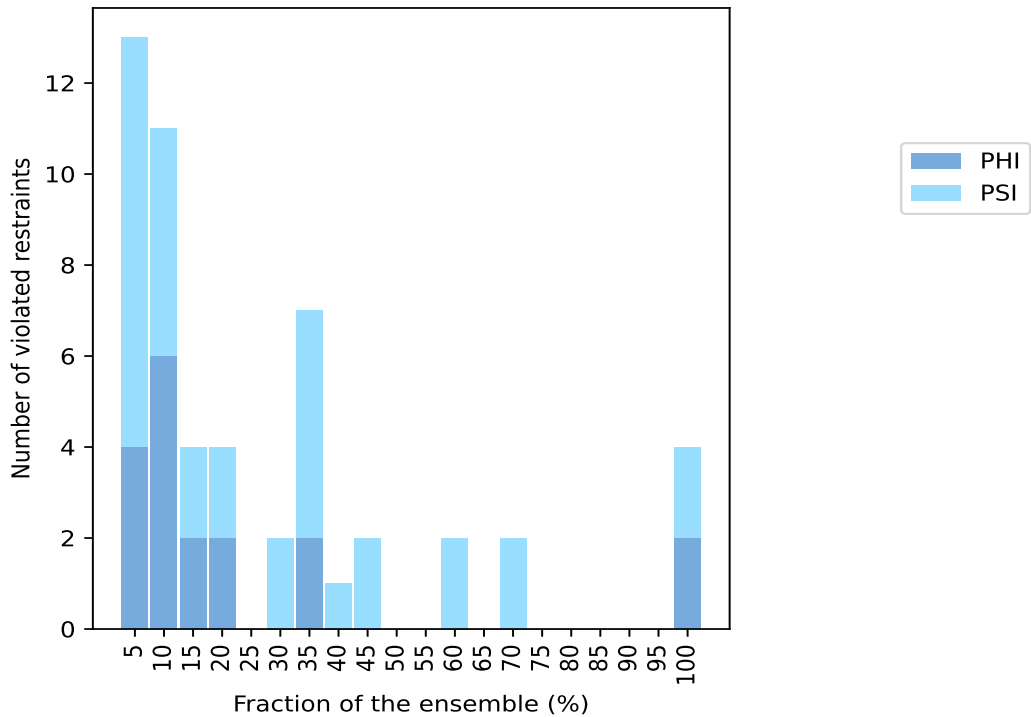
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Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count ¹	%
0	2	2	12	60.0
0	0	0	13	65.0
0	2	2	14	70.0
0	0	0	15	75.0
0	0	0	16	80.0
0	0	0	17	85.0
0	0	0	18	90.0
0	0	0	19	95.0
2	2	4	20	100.0

¹ Number of models with violations

10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble ⓘ

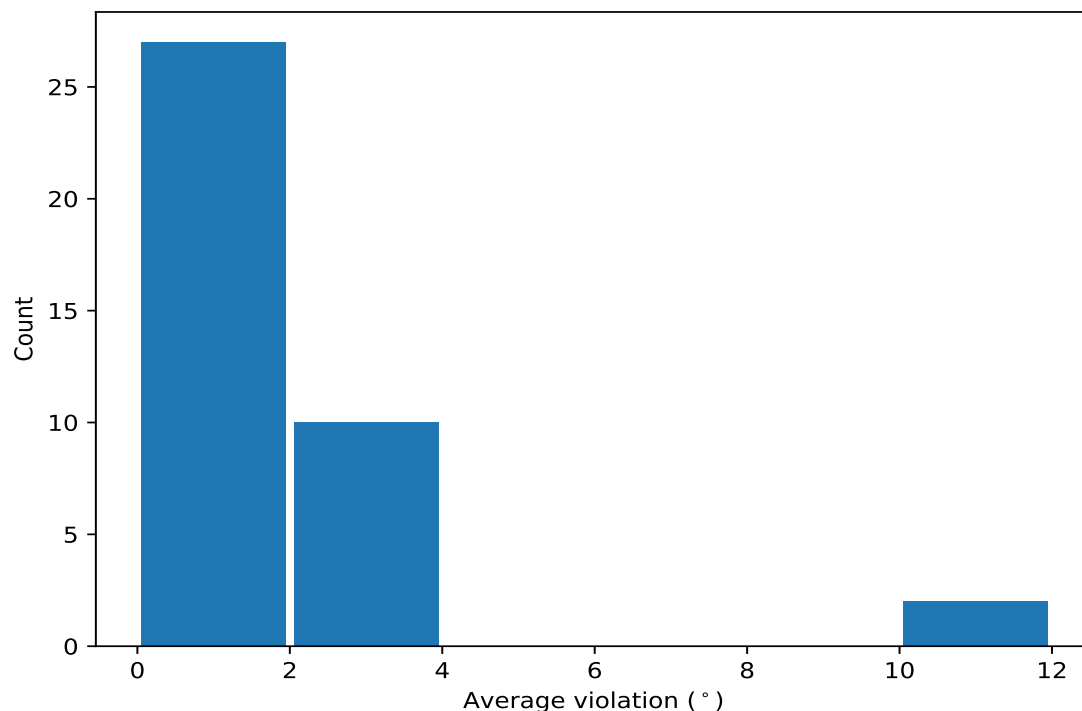


10.4 Most violated dihedral-angle restraints in the ensemble ⓘ

10.4.1 Histogram : Distribution of mean dihedral-angle 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



10.4.2 Table: Most violated dihedral-angle restraints [i](#)

The following table provides the mean and the standard deviation of the violation 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.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,140)	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	1:88:A:HIS:N	20	11.96	1.13	11.74
(1,284)	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	1:88:B:HIS:N	20	11.96	1.16	11.76
(1,49)	1:38:A:THR:C	1:39:A:LYS:N	1:39:A:LYS:CA	1:39:A:LYS:C	20	2.38	0.43	2.37
(1,193)	1:38:B:THR:C	1:39:B:LYS:N	1:39:B:LYS:CA	1:39:B:LYS:C	20	2.37	0.4	2.45
(1,286)	1:88:B:HIS:N	1:88:B:HIS:CA	1:88:B:HIS:C	1:89:B:THR:N	14	2.24	0.72	2.37
(1,142)	1:88:A:HIS:N	1:88:A:HIS:CA	1:88:A:HIS:C	1:89:A:THR:N	14	2.13	0.67	2.18
(1,30)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:LYS:N	12	1.91	0.51	2.02
(1,174)	1:29:B:SER:N	1:29:B:SER:CA	1:29:B:SER:C	1:30:B:LYS:N	12	1.88	0.48	1.96
(1,278)	1:84:B:ALA:N	1:84:B:ALA:CA	1:84:B:ALA:C	1:85:B:ALA:N	9	2.13	0.58	2.07
(1,134)	1:84:A:ALA:N	1:84:A:ALA:CA	1:84:A:ALA:C	1:85:A:ALA:N	9	2.09	0.58	2.09
(1,8)	1:8:A:LEU:N	1:8:A:LEU:CA	1:8:A:LEU:C	1:9:A:GLU:N	8	1.42	0.5	1.27
(1,102)	1:68:A:GLN:N	1:68:A:GLN:CA	1:68:A:GLN:C	1:69:A:VAL:N	7	1.75	0.46	1.86
(1,104)	1:69:A:VAL:N	1:69:A:VAL:CA	1:69:A:VAL:C	1:70:A:ASP:N	7	1.72	0.77	1.39
(1,248)	1:69:B:VAL:N	1:69:B:VAL:CA	1:69:B:VAL:C	1:70:B:ASP:N	7	1.72	0.76	1.39
(1,246)	1:68:B:GLN:N	1:68:B:GLN:CA	1:68:B:GLN:C	1:69:B:VAL:N	7	1.67	0.51	1.49
(1,139)	1:86:A:HIS:C	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	7	1.66	0.4	1.56
(1,283)	1:86:B:HIS:C	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	7	1.64	0.43	1.68
(1,152)	1:8:B:LEU:N	1:8:B:LEU:CA	1:8:B:LEU:C	1:9:B:GLU:N	7	1.49	0.54	1.27
(1,168)	1:16:B:HIS:N	1:16:B:HIS:CA	1:16:B:HIS:C	1:17:B:GLN:N	6	1.71	0.48	1.58
(1,24)	1:16:A:HIS:N	1:16:A:HIS:CA	1:16:A:HIS:C	1:17:A:GLN:N	6	1.67	0.47	1.52

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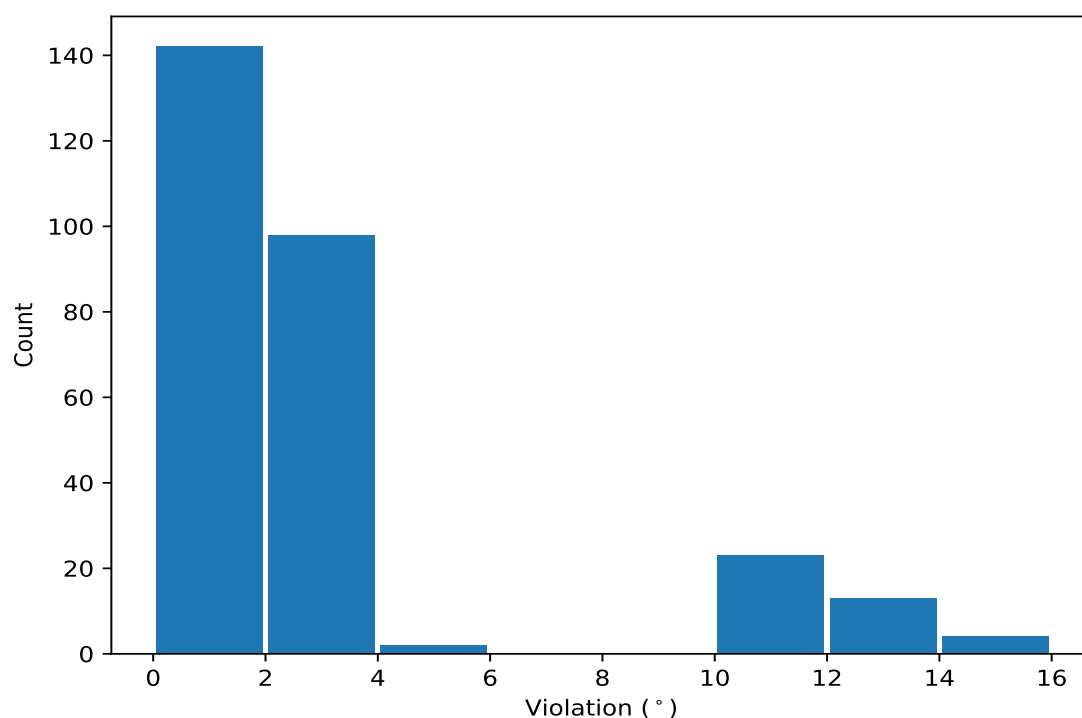
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,2)	1:3:A:LYS:N	1:3:A:LYS:CA	1:3:A:LYS:C	1:4:A:LEU:N	4	2.97	1.49	2.52
(1,146)	1:3:B:LYS:N	1:3:B:LYS:CA	1:3:B:LYS:C	1:4:B:LEU:N	4	2.92	1.5	2.48
(1,281)	1:85:B:ALA:C	1:86:B:HIS:N	1:86:B:HIS:CA	1:86:B:HIS:C	4	1.24	0.12	1.22
(1,137)	1:85:A:ALA:C	1:86:A:HIS:N	1:86:A:HIS:CA	1:86:A:HIS:C	4	1.18	0.16	1.14
(1,279)	1:84:B:ALA:C	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	3	1.34	0.37	1.13
(1,135)	1:84:A:ALA:C	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	3	1.31	0.4	1.05
(1,96)	1:64:A:ASN:N	1:64:A:ASN:CA	1:64:A:ASN:C	1:65:A:GLN:N	3	1.29	0.28	1.16
(1,240)	1:64:B:ASN:N	1:64:B:ASN:CA	1:64:B:ASN:C	1:65:B:GLN:N	3	1.28	0.37	1.03
(1,29)	1:28:A:LEU:C	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	2	2.2	0.07	2.2
(1,173)	1:28:B:LEU:C	1:29:B:SER:N	1:29:B:SER:CA	1:29:B:SER:C	2	2.19	0.1	2.19
(1,288)	1:89:B:THR:N	1:89:B:THR:CA	1:89:B:THR:C	1:90:B:HIS:N	2	1.83	0.82	1.83
(1,10)	1:9:A:GLU:N	1:9:A:GLU:CA	1:9:A:GLU:C	1:10:A:GLY:N	2	1.5	0.33	1.5
(1,154)	1:9:B:GLU:N	1:9:B:GLU:CA	1:9:B:GLU:C	1:10:B:GLY:N	2	1.42	0.3	1.42
(1,59)	1:43:A:ASN:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	2	1.37	0.34	1.37
(1,4)	1:6:A:GLU:N	1:6:A:GLU:CA	1:6:A:GLU:C	1:7:A:HIS:N	2	1.33	0.1	1.33
(1,148)	1:6:B:GLU:N	1:6:B:GLU:CA	1:6:B:GLU:C	1:7:B:HIS:N	2	1.32	0.2	1.32
(1,203)	1:43:B:ASN:C	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:C	2	1.32	0.21	1.32
(1,141)	1:87:A:TYR:C	1:88:A:HIS:N	1:88:A:HIS:CA	1:88:A:HIS:C	2	1.18	0.12	1.18
(1,285)	1:87:B:TYR:C	1:88:B:HIS:N	1:88:B:HIS:CA	1:88:B:HIS:C	2	1.12	0.12	1.12

¹ Number of violated models, ²Standard deviation, All angle values are in degree (°)

10.5 All violated dihedral-angle restraints ⓘ

10.5.1 Histogram : Distribution of violations ⓘ

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



10.5.2 Table: All violated dihedral-angle restraints [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.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,284)	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	1:88:B:HIS:N	1	14.72
(1,140)	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	1:88:A:HIS:N	1	14.57
(1,284)	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	1:88:B:HIS:N	4	14.33
(1,140)	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	1:88:A:HIS:N	4	14.26
(1,284)	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	1:88:B:HIS:N	3	13.44
(1,140)	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	1:88:A:HIS:N	3	13.43
(1,140)	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	1:88:A:HIS:N	9	13.41
(1,284)	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	1:88:B:HIS:N	9	13.32
(1,140)	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	1:88:A:HIS:N	14	12.47
(1,284)	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	1:88:B:HIS:N	14	12.33
(1,284)	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	1:88:B:HIS:N	13	12.2
(1,140)	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	1:88:A:HIS:N	6	12.2
(1,284)	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	1:88:B:HIS:N	11	12.17
(1,140)	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	1:88:A:HIS:N	8	12.04
(1,140)	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	1:88:A:HIS:N	11	12.04
(1,284)	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	1:88:B:HIS:N	7	12.03
(1,140)	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	1:88:A:HIS:N	7	12.0
(1,284)	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	1:88:B:HIS:N	6	11.97
(1,140)	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	1:88:A:HIS:N	13	11.85
(1,284)	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	1:88:B:HIS:N	8	11.78
(1,284)	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	1:88:B:HIS:N	16	11.73

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,140)	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	1:88:A:HIS:N	16	11.64
(1,140)	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	1:88:A:HIS:N	10	11.56
(1,140)	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	1:88:A:HIS:N	2	11.53
(1,284)	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	1:88:B:HIS:N	10	11.45
(1,284)	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	1:88:B:HIS:N	2	11.38
(1,284)	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	1:88:B:HIS:N	17	11.3
(1,140)	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	1:88:A:HIS:N	17	11.24
(1,140)	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	1:88:A:HIS:N	20	11.2
(1,284)	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	1:88:B:HIS:N	20	11.16
(1,284)	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	1:88:B:HIS:N	15	11.08
(1,140)	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	1:88:A:HIS:N	15	11.0
(1,284)	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	1:88:B:HIS:N	12	10.94
(1,284)	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	1:88:B:HIS:N	18	10.92
(1,140)	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	1:88:A:HIS:N	12	10.92
(1,284)	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	1:88:B:HIS:N	5	10.77
(1,140)	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	1:88:A:HIS:N	5	10.77
(1,140)	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	1:88:A:HIS:N	18	10.73
(1,140)	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	1:88:A:HIS:N	19	10.43
(1,284)	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	1:88:B:HIS:N	19	10.2
(1,146)	1:3:B:LYS:N	1:3:B:LYS:CA	1:3:B:LYS:C	1:4:B:LEU:N	14	5.31
(1,2)	1:3:A:LYS:N	1:3:A:LYS:CA	1:3:A:LYS:C	1:4:A:LEU:N	14	5.31
(1,104)	1:69:A:VAL:N	1:69:A:VAL:CA	1:69:A:VAL:C	1:70:A:ASP:N	4	3.43
(1,248)	1:69:B:VAL:N	1:69:B:VAL:CA	1:69:B:VAL:C	1:70:B:ASP:N	4	3.39
(1,196)	1:40:B:GLU:N	1:40:B:GLU:CA	1:40:B:GLU:C	1:41:B:LEU:N	1	3.37
(1,278)	1:84:B:ALA:N	1:84:B:ALA:CA	1:84:B:ALA:C	1:85:B:ALA:N	1	3.3
(1,286)	1:88:B:HIS:N	1:88:B:HIS:CA	1:88:B:HIS:C	1:89:B:THR:N	18	3.26
(1,286)	1:88:B:HIS:N	1:88:B:HIS:CA	1:88:B:HIS:C	1:89:B:THR:N	6	3.23
(1,52)	1:40:A:GLU:N	1:40:A:GLU:CA	1:40:A:GLU:C	1:41:A:LEU:N	1	3.19
(1,2)	1:3:A:LYS:N	1:3:A:LYS:CA	1:3:A:LYS:C	1:4:A:LEU:N	19	3.19
(1,142)	1:88:A:HIS:N	1:88:A:HIS:CA	1:88:A:HIS:C	1:89:A:THR:N	18	3.16
(1,134)	1:84:A:ALA:N	1:84:A:ALA:CA	1:84:A:ALA:C	1:85:A:ALA:N	1	3.13
(1,286)	1:88:B:HIS:N	1:88:B:HIS:CA	1:88:B:HIS:C	1:89:B:THR:N	17	3.04
(1,49)	1:38:A:THR:C	1:39:A:LYS:N	1:39:A:LYS:CA	1:39:A:LYS:C	12	3.03
(1,193)	1:38:B:THR:C	1:39:B:LYS:N	1:39:B:LYS:CA	1:39:B:LYS:C	17	3.02
(1,146)	1:3:B:LYS:N	1:3:B:LYS:CA	1:3:B:LYS:C	1:4:B:LEU:N	19	3.02
(1,49)	1:38:A:THR:C	1:39:A:LYS:N	1:39:A:LYS:CA	1:39:A:LYS:C	4	2.99
(1,193)	1:38:B:THR:C	1:39:B:LYS:N	1:39:B:LYS:CA	1:39:B:LYS:C	4	2.97
(1,142)	1:88:A:HIS:N	1:88:A:HIS:CA	1:88:A:HIS:C	1:89:A:THR:N	17	2.97
(1,142)	1:88:A:HIS:N	1:88:A:HIS:CA	1:88:A:HIS:C	1:89:A:THR:N	6	2.92
(1,49)	1:38:A:THR:C	1:39:A:LYS:N	1:39:A:LYS:CA	1:39:A:LYS:C	17	2.92
(1,134)	1:84:A:ALA:N	1:84:A:ALA:CA	1:84:A:ALA:C	1:85:A:ALA:N	13	2.83
(1,193)	1:38:B:THR:C	1:39:B:LYS:N	1:39:B:LYS:CA	1:39:B:LYS:C	12	2.82
(1,286)	1:88:B:HIS:N	1:88:B:HIS:CA	1:88:B:HIS:C	1:89:B:THR:N	16	2.8
(1,152)	1:8:B:LEU:N	1:8:B:LEU:CA	1:8:B:LEU:C	1:9:B:GLU:N	4	2.76
(1,278)	1:84:B:ALA:N	1:84:B:ALA:CA	1:84:B:ALA:C	1:85:B:ALA:N	13	2.75
(1,142)	1:88:A:HIS:N	1:88:A:HIS:CA	1:88:A:HIS:C	1:89:A:THR:N	16	2.74
(1,49)	1:38:A:THR:C	1:39:A:LYS:N	1:39:A:LYS:CA	1:39:A:LYS:C	3	2.73
(1,286)	1:88:B:HIS:N	1:88:B:HIS:CA	1:88:B:HIS:C	1:89:B:THR:N	8	2.7
(1,49)	1:38:A:THR:C	1:39:A:LYS:N	1:39:A:LYS:CA	1:39:A:LYS:C	5	2.7
(1,49)	1:38:A:THR:C	1:39:A:LYS:N	1:39:A:LYS:CA	1:39:A:LYS:C	14	2.7
(1,193)	1:38:B:THR:C	1:39:B:LYS:N	1:39:B:LYS:CA	1:39:B:LYS:C	3	2.67

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,144)	1:89:A:THR:N	1:89:A:THR:CA	1:89:A:THR:C	1:90:A:HIS:N	6	2.67
(1,49)	1:38:A:THR:C	1:39:A:LYS:N	1:39:A:LYS:CA	1:39:A:LYS:C	1	2.67
(1,8)	1:8:A:LEU:N	1:8:A:LEU:CA	1:8:A:LEU:C	1:9:A:GLU:N	4	2.67
(1,193)	1:38:B:THR:C	1:39:B:LYS:N	1:39:B:LYS:CA	1:39:B:LYS:C	2	2.65
(1,288)	1:89:B:THR:N	1:89:B:THR:CA	1:89:B:THR:C	1:90:B:HIS:N	6	2.64
(1,49)	1:38:A:THR:C	1:39:A:LYS:N	1:39:A:LYS:CA	1:39:A:LYS:C	8	2.64
(1,174)	1:29:B:SER:N	1:29:B:SER:CA	1:29:B:SER:C	1:30:B:LYS:N	9	2.62
(1,193)	1:38:B:THR:C	1:39:B:LYS:N	1:39:B:LYS:CA	1:39:B:LYS:C	8	2.61
(1,286)	1:88:B:HIS:N	1:88:B:HIS:CA	1:88:B:HIS:C	1:89:B:THR:N	7	2.6
(1,193)	1:38:B:THR:C	1:39:B:LYS:N	1:39:B:LYS:CA	1:39:B:LYS:C	5	2.6
(1,49)	1:38:A:THR:C	1:39:A:LYS:N	1:39:A:LYS:CA	1:39:A:LYS:C	2	2.6
(1,30)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:LYS:N	9	2.59
(1,193)	1:38:B:THR:C	1:39:B:LYS:N	1:39:B:LYS:CA	1:39:B:LYS:C	14	2.58
(1,30)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:LYS:N	13	2.58
(1,30)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:LYS:N	14	2.58
(1,174)	1:29:B:SER:N	1:29:B:SER:CA	1:29:B:SER:C	1:30:B:LYS:N	14	2.56
(1,283)	1:86:B:HIS:C	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	18	2.54
(1,139)	1:86:A:HIS:C	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	18	2.52
(1,102)	1:68:A:GLN:N	1:68:A:GLN:CA	1:68:A:GLN:C	1:69:A:VAL:N	4	2.52
(1,193)	1:38:B:THR:C	1:39:B:LYS:N	1:39:B:LYS:CA	1:39:B:LYS:C	1	2.48
(1,193)	1:38:B:THR:C	1:39:B:LYS:N	1:39:B:LYS:CA	1:39:B:LYS:C	16	2.47
(1,142)	1:88:A:HIS:N	1:88:A:HIS:CA	1:88:A:HIS:C	1:89:A:THR:N	15	2.47
(1,246)	1:68:B:GLN:N	1:68:B:GLN:CA	1:68:B:GLN:C	1:69:B:VAL:N	4	2.45
(1,286)	1:88:B:HIS:N	1:88:B:HIS:CA	1:88:B:HIS:C	1:89:B:THR:N	15	2.43
(1,193)	1:38:B:THR:C	1:39:B:LYS:N	1:39:B:LYS:CA	1:39:B:LYS:C	19	2.43
(1,193)	1:38:B:THR:C	1:39:B:LYS:N	1:39:B:LYS:CA	1:39:B:LYS:C	9	2.41
(1,193)	1:38:B:THR:C	1:39:B:LYS:N	1:39:B:LYS:CA	1:39:B:LYS:C	20	2.41
(1,278)	1:84:B:ALA:N	1:84:B:ALA:CA	1:84:B:ALA:C	1:85:B:ALA:N	3	2.39
(1,142)	1:88:A:HIS:N	1:88:A:HIS:CA	1:88:A:HIS:C	1:89:A:THR:N	8	2.39
(1,174)	1:29:B:SER:N	1:29:B:SER:CA	1:29:B:SER:C	1:30:B:LYS:N	13	2.38
(1,49)	1:38:A:THR:C	1:39:A:LYS:N	1:39:A:LYS:CA	1:39:A:LYS:C	20	2.38
(1,168)	1:16:B:HIS:N	1:16:B:HIS:CA	1:16:B:HIS:C	1:17:B:GLN:N	19	2.37
(1,49)	1:38:A:THR:C	1:39:A:LYS:N	1:39:A:LYS:CA	1:39:A:LYS:C	18	2.35
(1,24)	1:16:A:HIS:N	1:16:A:HIS:CA	1:16:A:HIS:C	1:17:A:GLN:N	19	2.35
(1,168)	1:16:B:HIS:N	1:16:B:HIS:CA	1:16:B:HIS:C	1:17:B:GLN:N	10	2.34
(1,49)	1:38:A:THR:C	1:39:A:LYS:N	1:39:A:LYS:CA	1:39:A:LYS:C	9	2.34
(1,286)	1:88:B:HIS:N	1:88:B:HIS:CA	1:88:B:HIS:C	1:89:B:THR:N	14	2.3
(1,173)	1:28:B:LEU:C	1:29:B:SER:N	1:29:B:SER:CA	1:29:B:SER:C	11	2.3
(1,134)	1:84:A:ALA:N	1:84:A:ALA:CA	1:84:A:ALA:C	1:85:A:ALA:N	3	2.28
(1,29)	1:28:A:LEU:C	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	11	2.28
(1,142)	1:88:A:HIS:N	1:88:A:HIS:CA	1:88:A:HIS:C	1:89:A:THR:N	14	2.27
(1,246)	1:68:B:GLN:N	1:68:B:GLN:CA	1:68:B:GLN:C	1:69:B:VAL:N	16	2.26
(1,193)	1:38:B:THR:C	1:39:B:LYS:N	1:39:B:LYS:CA	1:39:B:LYS:C	18	2.26
(1,49)	1:38:A:THR:C	1:39:A:LYS:N	1:39:A:LYS:CA	1:39:A:LYS:C	19	2.25
(1,24)	1:16:A:HIS:N	1:16:A:HIS:CA	1:16:A:HIS:C	1:17:A:GLN:N	10	2.22
(1,134)	1:84:A:ALA:N	1:84:A:ALA:CA	1:84:A:ALA:C	1:85:A:ALA:N	6	2.21
(1,30)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:LYS:N	12	2.21
(1,49)	1:38:A:THR:C	1:39:A:LYS:N	1:39:A:LYS:CA	1:39:A:LYS:C	6	2.2
(1,49)	1:38:A:THR:C	1:39:A:LYS:N	1:39:A:LYS:CA	1:39:A:LYS:C	16	2.18
(1,278)	1:84:B:ALA:N	1:84:B:ALA:CA	1:84:B:ALA:C	1:85:B:ALA:N	6	2.14
(1,29)	1:28:A:LEU:C	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	16	2.13

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,173)	1:28:B:LEU:C	1:29:B:SER:N	1:29:B:SER:CA	1:29:B:SER:C	16	2.09
(1,142)	1:88:A:HIS:N	1:88:A:HIS:CA	1:88:A:HIS:C	1:89:A:THR:N	7	2.09
(1,134)	1:84:A:ALA:N	1:84:A:ALA:CA	1:84:A:ALA:C	1:85:A:ALA:N	8	2.09
(1,104)	1:69:A:VAL:N	1:69:A:VAL:CA	1:69:A:VAL:C	1:70:A:ASP:N	12	2.08
(1,278)	1:84:B:ALA:N	1:84:B:ALA:CA	1:84:B:ALA:C	1:85:B:ALA:N	8	2.07
(1,248)	1:69:B:VAL:N	1:69:B:VAL:CA	1:69:B:VAL:C	1:70:B:ASP:N	12	2.07
(1,30)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:LYS:N	5	2.06
(1,193)	1:38:B:THR:C	1:39:B:LYS:N	1:39:B:LYS:CA	1:39:B:LYS:C	11	2.05
(1,102)	1:68:A:GLN:N	1:68:A:GLN:CA	1:68:A:GLN:C	1:69:A:VAL:N	17	2.05
(1,286)	1:88:B:HIS:N	1:88:B:HIS:CA	1:88:B:HIS:C	1:89:B:THR:N	3	2.04
(1,174)	1:29:B:SER:N	1:29:B:SER:CA	1:29:B:SER:C	1:30:B:LYS:N	5	2.04
(1,30)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:LYS:N	7	2.04
(1,174)	1:29:B:SER:N	1:29:B:SER:CA	1:29:B:SER:C	1:30:B:LYS:N	2	2.01
(1,49)	1:38:A:THR:C	1:39:A:LYS:N	1:39:A:LYS:CA	1:39:A:LYS:C	7	2.01
(1,30)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:LYS:N	2	2.01
(1,174)	1:29:B:SER:N	1:29:B:SER:CA	1:29:B:SER:C	1:30:B:LYS:N	7	2.0
(1,134)	1:84:A:ALA:N	1:84:A:ALA:CA	1:84:A:ALA:C	1:85:A:ALA:N	4	2.0
(1,278)	1:84:B:ALA:N	1:84:B:ALA:CA	1:84:B:ALA:C	1:85:B:ALA:N	4	1.99
(1,142)	1:88:A:HIS:N	1:88:A:HIS:CA	1:88:A:HIS:C	1:89:A:THR:N	13	1.97
(1,102)	1:68:A:GLN:N	1:68:A:GLN:CA	1:68:A:GLN:C	1:69:A:VAL:N	2	1.96
(1,146)	1:3:B:LYS:N	1:3:B:LYS:CA	1:3:B:LYS:C	1:4:B:LEU:N	5	1.94
(1,246)	1:68:B:GLN:N	1:68:B:GLN:CA	1:68:B:GLN:C	1:69:B:VAL:N	17	1.93
(1,49)	1:38:A:THR:C	1:39:A:LYS:N	1:39:A:LYS:CA	1:39:A:LYS:C	15	1.92
(1,174)	1:29:B:SER:N	1:29:B:SER:CA	1:29:B:SER:C	1:30:B:LYS:N	8	1.91
(1,49)	1:38:A:THR:C	1:39:A:LYS:N	1:39:A:LYS:CA	1:39:A:LYS:C	11	1.89
(1,135)	1:84:A:ALA:C	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	12	1.88
(1,193)	1:38:B:THR:C	1:39:B:LYS:N	1:39:B:LYS:CA	1:39:B:LYS:C	6	1.87
(1,279)	1:84:B:ALA:C	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	12	1.86
(1,193)	1:38:B:THR:C	1:39:B:LYS:N	1:39:B:LYS:CA	1:39:B:LYS:C	15	1.86
(1,102)	1:68:A:GLN:N	1:68:A:GLN:CA	1:68:A:GLN:C	1:69:A:VAL:N	16	1.86
(1,193)	1:38:B:THR:C	1:39:B:LYS:N	1:39:B:LYS:CA	1:39:B:LYS:C	7	1.85
(1,2)	1:3:A:LYS:N	1:3:A:LYS:CA	1:3:A:LYS:C	1:4:A:LEU:N	5	1.84
(1,10)	1:9:A:GLU:N	1:9:A:GLU:CA	1:9:A:GLU:C	1:10:A:GLY:N	19	1.83
(1,286)	1:88:B:HIS:N	1:88:B:HIS:CA	1:88:B:HIS:C	1:89:B:THR:N	11	1.81
(1,240)	1:64:B:ASN:N	1:64:B:ASN:CA	1:64:B:ASN:C	1:65:B:GLN:N	2	1.8
(1,174)	1:29:B:SER:N	1:29:B:SER:CA	1:29:B:SER:C	1:30:B:LYS:N	12	1.79
(1,139)	1:86:A:HIS:C	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	14	1.79
(1,142)	1:88:A:HIS:N	1:88:A:HIS:CA	1:88:A:HIS:C	1:89:A:THR:N	3	1.76
(1,139)	1:86:A:HIS:C	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	19	1.75
(1,248)	1:69:B:VAL:N	1:69:B:VAL:CA	1:69:B:VAL:C	1:70:B:ASP:N	5	1.73
(1,24)	1:16:A:HIS:N	1:16:A:HIS:CA	1:16:A:HIS:C	1:17:A:GLN:N	11	1.73
(1,154)	1:9:B:GLU:N	1:9:B:GLU:CA	1:9:B:GLU:C	1:10:B:GLY:N	19	1.72
(1,283)	1:86:B:HIS:C	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	14	1.71
(1,283)	1:86:B:HIS:C	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	19	1.71
(1,193)	1:38:B:THR:C	1:39:B:LYS:N	1:39:B:LYS:CA	1:39:B:LYS:C	13	1.71
(1,59)	1:43:A:ASN:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	16	1.71
(1,142)	1:88:A:HIS:N	1:88:A:HIS:CA	1:88:A:HIS:C	1:89:A:THR:N	11	1.7
(1,283)	1:86:B:HIS:C	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	7	1.68
(1,96)	1:64:A:ASN:N	1:64:A:ASN:CA	1:64:A:ASN:C	1:65:A:GLN:N	2	1.68
(1,193)	1:38:B:THR:C	1:39:B:LYS:N	1:39:B:LYS:CA	1:39:B:LYS:C	10	1.66
(1,145)	1:2:B:THR:C	1:3:B:LYS:N	1:3:B:LYS:CA	1:3:B:LYS:C	19	1.66

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,104)	1:69:A:VAL:N	1:69:A:VAL:CA	1:69:A:VAL:C	1:70:A:ASP:N	5	1.66
(1,278)	1:84:B:ALA:N	1:84:B:ALA:CA	1:84:B:ALA:C	1:85:B:ALA:N	14	1.65
(1,34)	1:31:A:GLY:N	1:31:A:GLY:CA	1:31:A:GLY:C	1:32:A:GLU:N	17	1.65
(1,152)	1:8:B:LEU:N	1:8:B:LEU:CA	1:8:B:LEU:C	1:9:B:GLU:N	1	1.62
(1,168)	1:16:B:HIS:N	1:16:B:HIS:CA	1:16:B:HIS:C	1:17:B:GLN:N	11	1.61
(1,30)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:LYS:N	8	1.6
(1,49)	1:38:A:THR:C	1:39:A:LYS:N	1:39:A:LYS:CA	1:39:A:LYS:C	13	1.59
(1,8)	1:8:A:LEU:N	1:8:A:LEU:CA	1:8:A:LEU:C	1:9:A:GLU:N	1	1.58
(1,139)	1:86:A:HIS:C	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	7	1.56
(1,162)	1:13:B:ASN:N	1:13:B:ASN:CA	1:13:B:ASN:C	1:14:B:ILE:N	11	1.55
(1,168)	1:16:B:HIS:N	1:16:B:HIS:CA	1:16:B:HIS:C	1:17:B:GLN:N	8	1.54
(1,2)	1:3:A:LYS:N	1:3:A:LYS:CA	1:3:A:LYS:C	1:4:A:LEU:N	17	1.54
(1,203)	1:43:B:ASN:C	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:C	16	1.53
(1,148)	1:6:B:GLU:N	1:6:B:GLU:CA	1:6:B:GLU:C	1:7:B:HIS:N	12	1.52
(1,286)	1:88:B:HIS:N	1:88:B:HIS:CA	1:88:B:HIS:C	1:89:B:THR:N	13	1.51
(1,246)	1:68:B:GLN:N	1:68:B:GLN:CA	1:68:B:GLN:C	1:69:B:VAL:N	2	1.49
(1,134)	1:84:A:ALA:N	1:84:A:ALA:CA	1:84:A:ALA:C	1:85:A:ALA:N	14	1.49
(1,246)	1:68:B:GLN:N	1:68:B:GLN:CA	1:68:B:GLN:C	1:69:B:VAL:N	6	1.48
(1,178)	1:31:B:GLY:N	1:31:B:GLY:CA	1:31:B:GLY:C	1:32:B:GLU:N	17	1.48
(1,102)	1:68:A:GLN:N	1:68:A:GLN:CA	1:68:A:GLN:C	1:69:A:VAL:N	6	1.48
(1,283)	1:86:B:HIS:C	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	16	1.47
(1,49)	1:38:A:THR:C	1:39:A:LYS:N	1:39:A:LYS:CA	1:39:A:LYS:C	10	1.47
(1,18)	1:13:A:ASN:N	1:13:A:ASN:CA	1:13:A:ASN:C	1:14:A:ILE:N	11	1.47
(1,1)	1:2:A:THR:C	1:3:A:LYS:N	1:3:A:LYS:CA	1:3:A:LYS:C	19	1.47
(1,278)	1:84:B:ALA:N	1:84:B:ALA:CA	1:84:B:ALA:C	1:85:B:ALA:N	11	1.46
(1,134)	1:84:A:ALA:N	1:84:A:ALA:CA	1:84:A:ALA:C	1:85:A:ALA:N	2	1.45
(1,137)	1:85:A:ALA:C	1:86:A:HIS:N	1:86:A:HIS:CA	1:86:A:HIS:C	18	1.43
(1,4)	1:6:A:GLU:N	1:6:A:GLU:CA	1:6:A:GLU:C	1:7:A:HIS:N	12	1.43
(1,278)	1:84:B:ALA:N	1:84:B:ALA:CA	1:84:B:ALA:C	1:85:B:ALA:N	2	1.42
(1,174)	1:29:B:SER:N	1:29:B:SER:CA	1:29:B:SER:C	1:30:B:LYS:N	18	1.42
(1,139)	1:86:A:HIS:C	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	17	1.42
(1,146)	1:3:B:LYS:N	1:3:B:LYS:CA	1:3:B:LYS:C	1:4:B:LEU:N	17	1.41
(1,174)	1:29:B:SER:N	1:29:B:SER:CA	1:29:B:SER:C	1:30:B:LYS:N	1	1.4
(1,281)	1:85:B:ALA:C	1:86:B:HIS:N	1:86:B:HIS:CA	1:86:B:HIS:C	13	1.39
(1,248)	1:69:B:VAL:N	1:69:B:VAL:CA	1:69:B:VAL:C	1:70:B:ASP:N	6	1.39
(1,104)	1:69:A:VAL:N	1:69:A:VAL:CA	1:69:A:VAL:C	1:70:A:ASP:N	6	1.39
(1,30)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:LYS:N	10	1.39
(1,30)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:LYS:N	18	1.39
(1,30)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:LYS:N	1	1.38
(1,142)	1:88:A:HIS:N	1:88:A:HIS:CA	1:88:A:HIS:C	1:89:A:THR:N	19	1.35
(1,134)	1:84:A:ALA:N	1:84:A:ALA:CA	1:84:A:ALA:C	1:85:A:ALA:N	11	1.35
(1,139)	1:86:A:HIS:C	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	16	1.34
(1,281)	1:85:B:ALA:C	1:86:B:HIS:N	1:86:B:HIS:CA	1:86:B:HIS:C	11	1.32
(1,174)	1:29:B:SER:N	1:29:B:SER:CA	1:29:B:SER:C	1:30:B:LYS:N	10	1.32
(1,8)	1:8:A:LEU:N	1:8:A:LEU:CA	1:8:A:LEU:C	1:9:A:GLU:N	7	1.31
(1,8)	1:8:A:LEU:N	1:8:A:LEU:CA	1:8:A:LEU:C	1:9:A:GLU:N	14	1.31
(1,168)	1:16:B:HIS:N	1:16:B:HIS:CA	1:16:B:HIS:C	1:17:B:GLN:N	18	1.3
(1,24)	1:16:A:HIS:N	1:16:A:HIS:CA	1:16:A:HIS:C	1:17:A:GLN:N	18	1.3
(1,247)	1:68:B:GLN:C	1:69:B:VAL:N	1:69:B:VAL:CA	1:69:B:VAL:C	5	1.29
(1,152)	1:8:B:LEU:N	1:8:B:LEU:CA	1:8:B:LEU:C	1:9:B:GLU:N	7	1.29
(1,141)	1:87:A:TYR:C	1:88:A:HIS:N	1:88:A:HIS:CA	1:88:A:HIS:C	1	1.29

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,248)	1:69:B:VAL:N	1:69:B:VAL:CA	1:69:B:VAL:C	1:70:B:ASP:N	1	1.28
(1,42)	1:35:A:GLN:N	1:35:A:GLN:CA	1:35:A:GLN:C	1:36:A:LEU:N	13	1.28
(1,152)	1:8:B:LEU:N	1:8:B:LEU:CA	1:8:B:LEU:C	1:9:B:GLU:N	14	1.27
(1,152)	1:8:B:LEU:N	1:8:B:LEU:CA	1:8:B:LEU:C	1:9:B:GLU:N	6	1.26
(1,139)	1:86:A:HIS:C	1:87:A:TYR:N	1:87:A:TYR:CA	1:87:A:TYR:C	8	1.26
(1,285)	1:87:B:TYR:C	1:88:B:HIS:N	1:88:B:HIS:CA	1:88:B:HIS:C	1	1.25
(1,283)	1:86:B:HIS:C	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	8	1.25
(1,102)	1:68:A:GLN:N	1:68:A:GLN:CA	1:68:A:GLN:C	1:69:A:VAL:N	9	1.25
(1,286)	1:88:B:HIS:N	1:88:B:HIS:CA	1:88:B:HIS:C	1:89:B:THR:N	19	1.23
(1,24)	1:16:A:HIS:N	1:16:A:HIS:CA	1:16:A:HIS:C	1:17:A:GLN:N	8	1.23
(1,4)	1:6:A:GLU:N	1:6:A:GLU:CA	1:6:A:GLU:C	1:7:A:HIS:N	17	1.23
(1,286)	1:88:B:HIS:N	1:88:B:HIS:CA	1:88:B:HIS:C	1:89:B:THR:N	20	1.22
(1,8)	1:8:A:LEU:N	1:8:A:LEU:CA	1:8:A:LEU:C	1:9:A:GLU:N	6	1.22
(1,24)	1:16:A:HIS:N	1:16:A:HIS:CA	1:16:A:HIS:C	1:17:A:GLN:N	2	1.21
(1,137)	1:85:A:ALA:C	1:86:A:HIS:N	1:86:A:HIS:CA	1:86:A:HIS:C	13	1.19
(1,10)	1:9:A:GLU:N	1:9:A:GLU:CA	1:9:A:GLU:C	1:10:A:GLY:N	1	1.18
(1,286)	1:88:B:HIS:N	1:88:B:HIS:CA	1:88:B:HIS:C	1:89:B:THR:N	5	1.17
(1,104)	1:69:A:VAL:N	1:69:A:VAL:CA	1:69:A:VAL:C	1:70:A:ASP:N	1	1.17
(1,103)	1:68:A:GLN:C	1:69:A:VAL:N	1:69:A:VAL:CA	1:69:A:VAL:C	5	1.16
(1,96)	1:64:A:ASN:N	1:64:A:ASN:CA	1:64:A:ASN:C	1:65:A:GLN:N	18	1.16
(1,186)	1:35:B:GLN:N	1:35:B:GLN:CA	1:35:B:GLN:C	1:36:B:LEU:N	13	1.15
(1,152)	1:8:B:LEU:N	1:8:B:LEU:CA	1:8:B:LEU:C	1:9:B:GLU:N	18	1.15
(1,104)	1:69:A:VAL:N	1:69:A:VAL:CA	1:69:A:VAL:C	1:70:A:ASP:N	13	1.15
(1,104)	1:69:A:VAL:N	1:69:A:VAL:CA	1:69:A:VAL:C	1:70:A:ASP:N	14	1.15
(1,279)	1:84:B:ALA:C	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	3	1.13
(1,148)	1:6:B:GLU:N	1:6:B:GLU:CA	1:6:B:GLU:C	1:7:B:HIS:N	17	1.13
(1,281)	1:85:B:ALA:C	1:86:B:HIS:N	1:86:B:HIS:CA	1:86:B:HIS:C	16	1.12
(1,154)	1:9:B:GLU:N	1:9:B:GLU:CA	1:9:B:GLU:C	1:10:B:GLY:N	17	1.12
(1,8)	1:8:A:LEU:N	1:8:A:LEU:CA	1:8:A:LEU:C	1:9:A:GLU:N	18	1.12
(1,281)	1:85:B:ALA:C	1:86:B:HIS:N	1:86:B:HIS:CA	1:86:B:HIS:C	18	1.11
(1,203)	1:43:B:ASN:C	1:44:B:THR:N	1:44:B:THR:CA	1:44:B:THR:C	15	1.11
(1,168)	1:16:B:HIS:N	1:16:B:HIS:CA	1:16:B:HIS:C	1:17:B:GLN:N	2	1.11
(1,152)	1:8:B:LEU:N	1:8:B:LEU:CA	1:8:B:LEU:C	1:9:B:GLU:N	13	1.11
(1,102)	1:68:A:GLN:N	1:68:A:GLN:CA	1:68:A:GLN:C	1:69:A:VAL:N	8	1.11
(1,248)	1:69:B:VAL:N	1:69:B:VAL:CA	1:69:B:VAL:C	1:70:B:ASP:N	13	1.1
(1,283)	1:86:B:HIS:C	1:87:B:TYR:N	1:87:B:TYR:CA	1:87:B:TYR:C	17	1.09
(1,137)	1:85:A:ALA:C	1:86:A:HIS:N	1:86:A:HIS:CA	1:86:A:HIS:C	11	1.09
(1,246)	1:68:B:GLN:N	1:68:B:GLN:CA	1:68:B:GLN:C	1:69:B:VAL:N	9	1.08
(1,8)	1:8:A:LEU:N	1:8:A:LEU:CA	1:8:A:LEU:C	1:9:A:GLU:N	13	1.08
(1,142)	1:88:A:HIS:N	1:88:A:HIS:CA	1:88:A:HIS:C	1:89:A:THR:N	5	1.07
(1,174)	1:29:B:SER:N	1:29:B:SER:CA	1:29:B:SER:C	1:30:B:LYS:N	20	1.06
(1,141)	1:87:A:TYR:C	1:88:A:HIS:N	1:88:A:HIS:CA	1:88:A:HIS:C	3	1.06
(1,248)	1:69:B:VAL:N	1:69:B:VAL:CA	1:69:B:VAL:C	1:70:B:ASP:N	14	1.05
(1,135)	1:84:A:ALA:C	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	3	1.05
(1,30)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:LYS:N	20	1.05
(1,8)	1:8:A:LEU:N	1:8:A:LEU:CA	1:8:A:LEU:C	1:9:A:GLU:N	9	1.04
(1,279)	1:84:B:ALA:C	1:85:B:ALA:N	1:85:B:ALA:CA	1:85:B:ALA:C	9	1.03
(1,246)	1:68:B:GLN:N	1:68:B:GLN:CA	1:68:B:GLN:C	1:69:B:VAL:N	18	1.03
(1,240)	1:64:B:ASN:N	1:64:B:ASN:CA	1:64:B:ASN:C	1:65:B:GLN:N	13	1.03
(1,96)	1:64:A:ASN:N	1:64:A:ASN:CA	1:64:A:ASN:C	1:65:A:GLN:N	9	1.03
(1,59)	1:43:A:ASN:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	15	1.03

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,288)	1:89:B:THR:N	1:89:B:THR:CA	1:89:B:THR:C	1:90:B:HIS:N	18	1.01
(1,240)	1:64:B:ASN:N	1:64:B:ASN:CA	1:64:B:ASN:C	1:65:B:GLN:N	18	1.01
(1,142)	1:88:A:HIS:N	1:88:A:HIS:CA	1:88:A:HIS:C	1:89:A:THR:N	20	1.01
(1,137)	1:85:A:ALA:C	1:86:A:HIS:N	1:86:A:HIS:CA	1:86:A:HIS:C	16	1.01
(1,285)	1:87:B:TYR:C	1:88:B:HIS:N	1:88:B:HIS:CA	1:88:B:HIS:C	3	1.0
(1,135)	1:84:A:ALA:C	1:85:A:ALA:N	1:85:A:ALA:CA	1:85:A:ALA:C	16	1.0