



Full wwPDB NMR Structure Validation Report ⓘ

Jun 6, 2023 – 09:18 AM EDT

PDB ID : 2MH3
BMRB ID : 19614
Title : NMR structure of the basic helix-loop-helix region of the transcriptional repressor HES-1
Authors : Wienk, H.; Popovic, M.; Coglievina, M.; Boelens, R.; Pongor, S.; Pintar, A.
Deposited on : 2013-11-15

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 : 20191225.v01 (using entries in the PDB archive December 25th 2019)
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) : 2.33

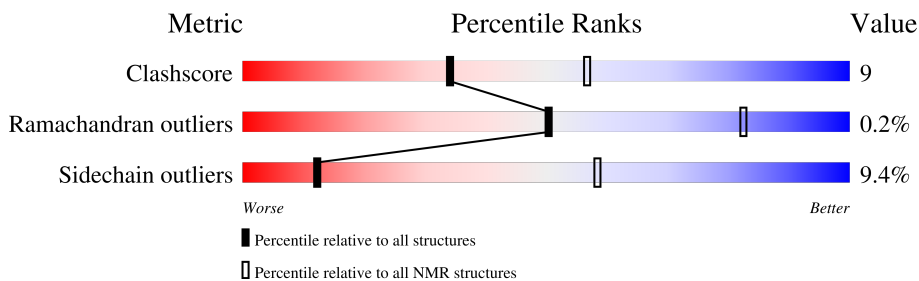
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 41%.

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	158937	12864
Ramachandran outliers	154571	11451
Sidechain outliers	154315	11428

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	70	
1	B	70	

2 Ensemble composition and analysis

This entry contains 20 models. Model 11 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:42-A:94, B:43-B:95 (106)	0.66	11

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

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

The models can be grouped into 2 clusters and 9 single-model clusters were found.

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

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 2398 atoms, of which 1254 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Transcription factor HES-1.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	70	1199	351	627	116	102	3	0
1	B	70	1199	351	627	116	102	3	0

There are 2 discrepancies between the modelled and reference sequences:

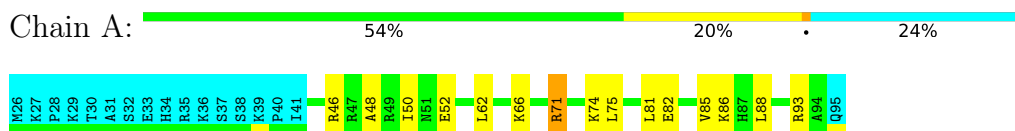
Chain	Residue	Modelled	Actual	Comment	Reference
A	26	MET	-	initiating methionine	UNP Q14469
B	26	MET	-	initiating methionine	UNP Q14469

4 Residue-property plots [i](#)

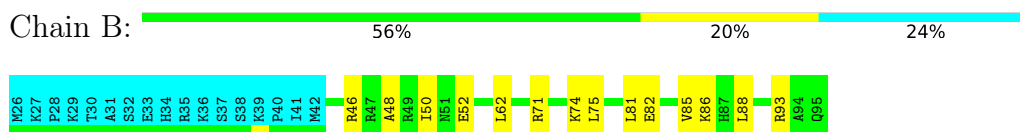
4.1 Average score per residue in the NMR ensemble

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

- Molecule 1: Transcription factor HES-1



- Molecule 1: Transcription factor HES-1

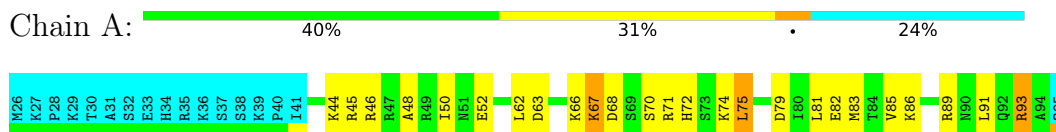


4.2 Scores per residue for each member of the ensemble

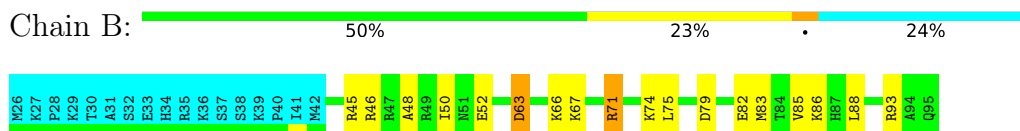
Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

- Molecule 1: Transcription factor HES-1

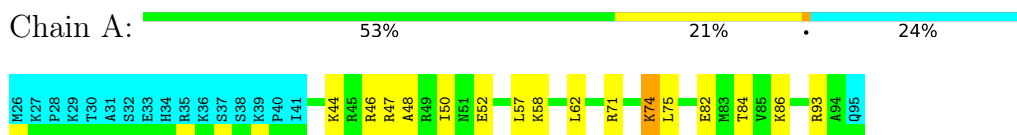


- Molecule 1: Transcription factor HES-1

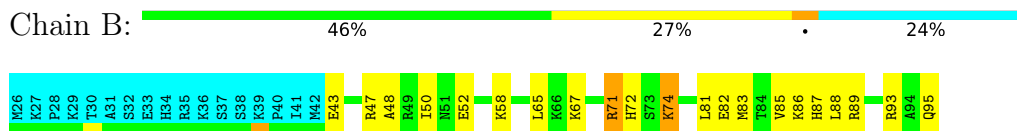


4.2.2 Score per residue for model 2

- Molecule 1: Transcription factor HES-1

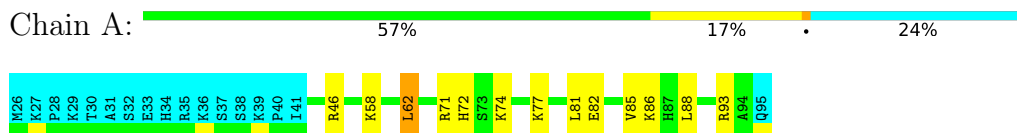


- Molecule 1: Transcription factor HES-1

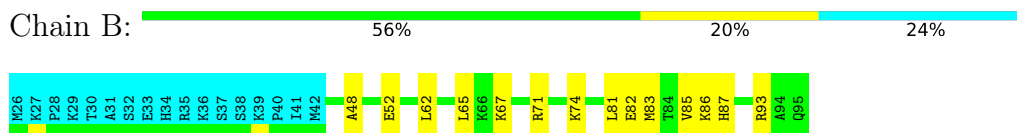


4.2.3 Score per residue for model 3

- Molecule 1: Transcription factor HES-1

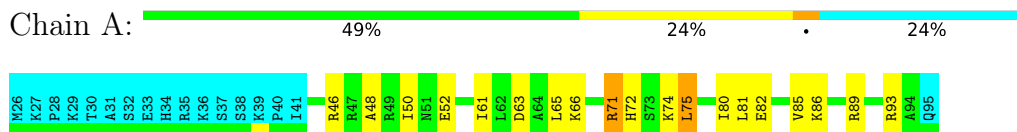


- Molecule 1: Transcription factor HES-1

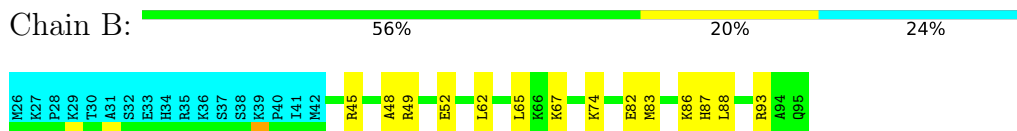


4.2.4 Score per residue for model 4

- Molecule 1: Transcription factor HES-1

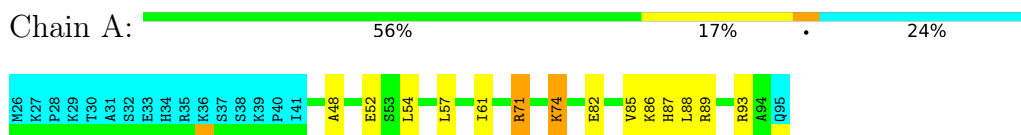


- Molecule 1: Transcription factor HES-1

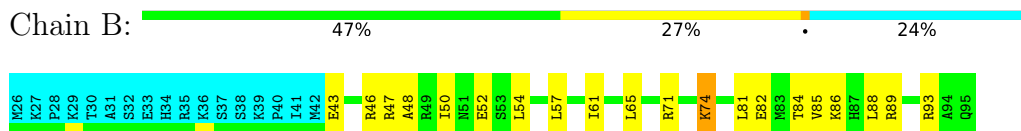


4.2.5 Score per residue for model 5

- Molecule 1: Transcription factor HES-1

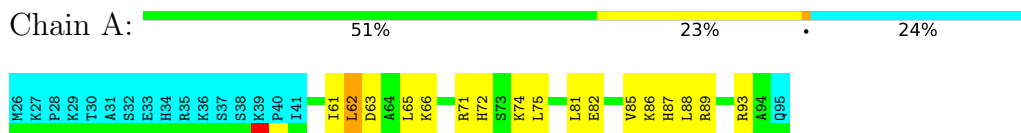


- Molecule 1: Transcription factor HES-1

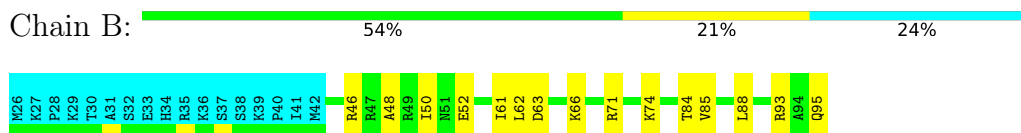


4.2.6 Score per residue for model 6

- Molecule 1: Transcription factor HES-1

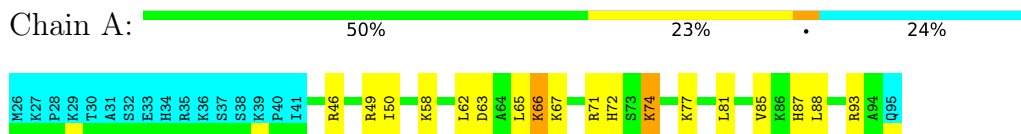


- Molecule 1: Transcription factor HES-1

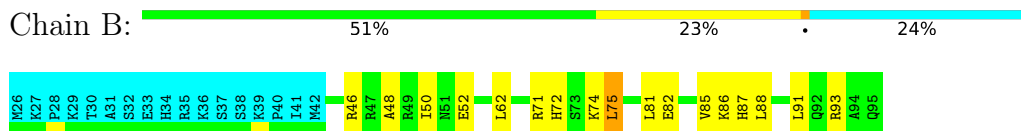


4.2.7 Score per residue for model 7

- Molecule 1: Transcription factor HES-1

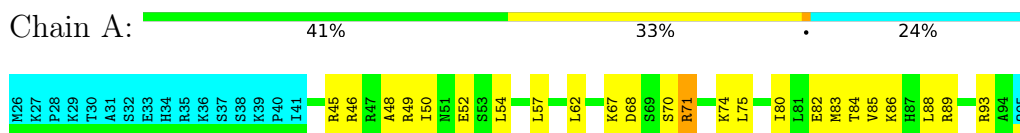


- Molecule 1: Transcription factor HES-1

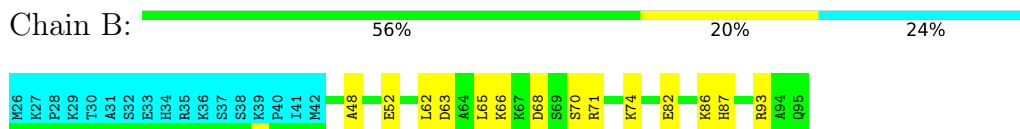


4.2.8 Score per residue for model 8

- Molecule 1: Transcription factor HES-1

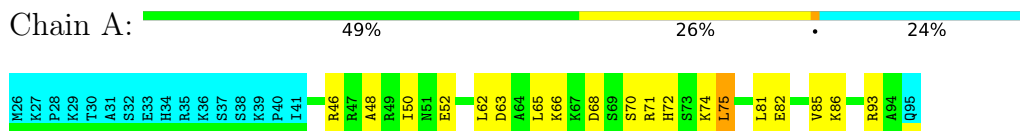


- Molecule 1: Transcription factor HES-1

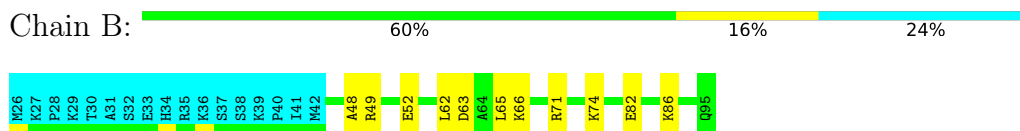


4.2.9 Score per residue for model 9

- Molecule 1: Transcription factor HES-1

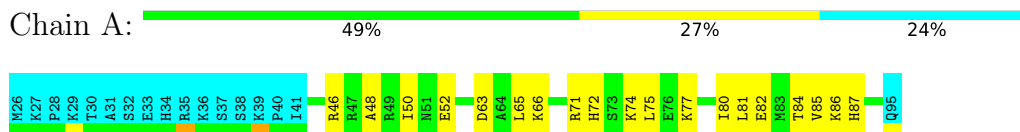


- Molecule 1: Transcription factor HES-1

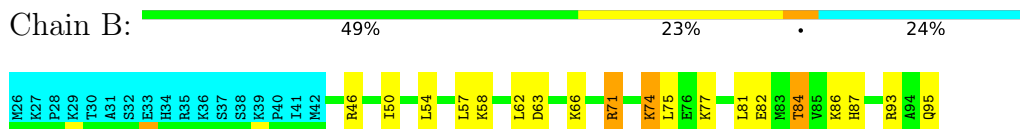


4.2.10 Score per residue for model 10

- Molecule 1: Transcription factor HES-1

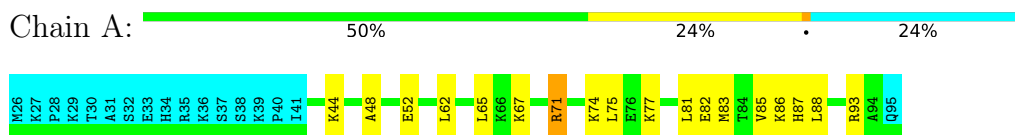


- Molecule 1: Transcription factor HES-1

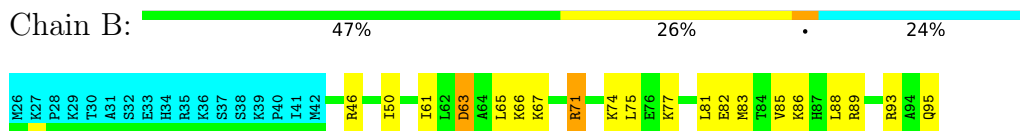


4.2.11 Score per residue for model 11 (medoid)

- Molecule 1: Transcription factor HES-1

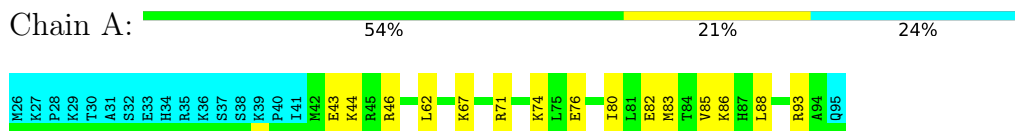


- Molecule 1: Transcription factor HES-1

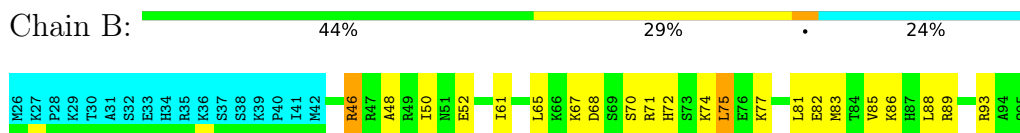


4.2.12 Score per residue for model 12

- Molecule 1: Transcription factor HES-1

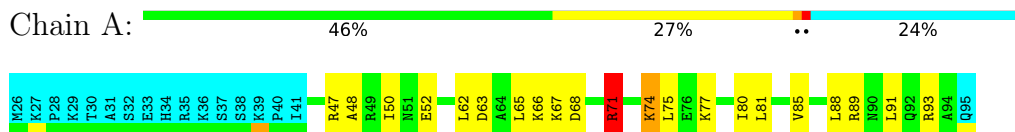


- Molecule 1: Transcription factor HES-1

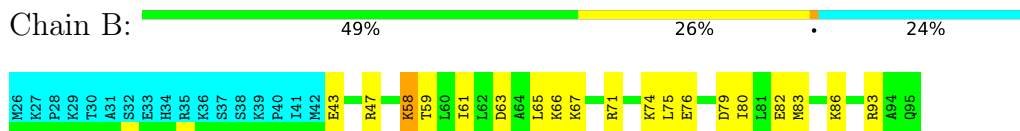


4.2.13 Score per residue for model 13

- Molecule 1: Transcription factor HES-1

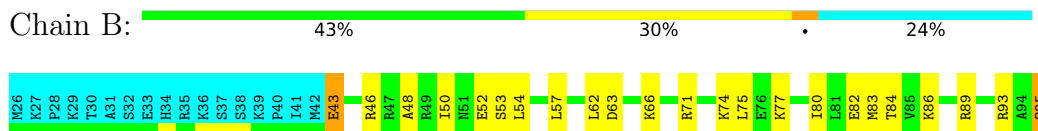
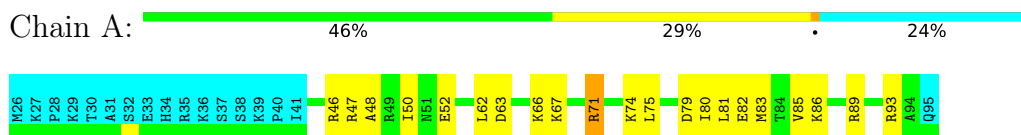


- Molecule 1: Transcription factor HES-1

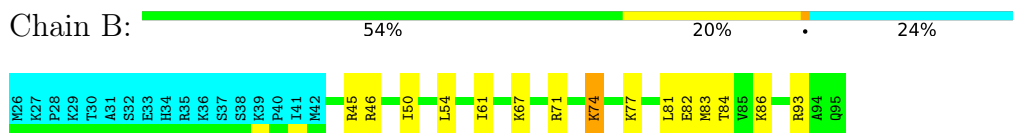
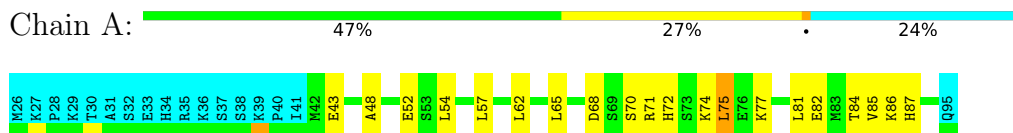


4.2.14 Score per residue for model 14

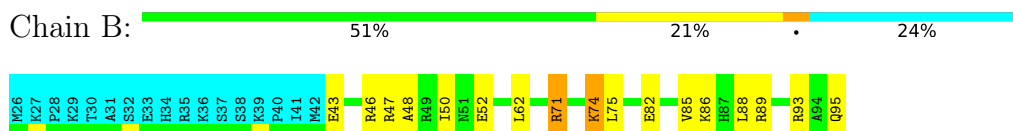
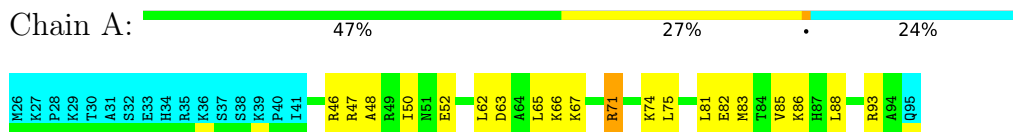
- Molecule 1: Transcription factor HES-1



- Molecule 1: Transcription factor HES-1

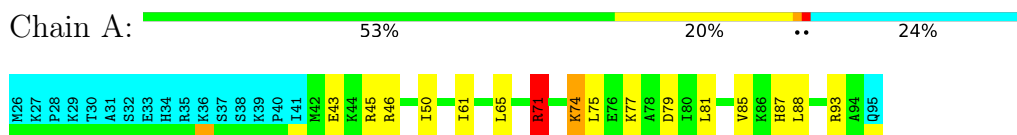


- Molecule 1: Transcription factor HES-1

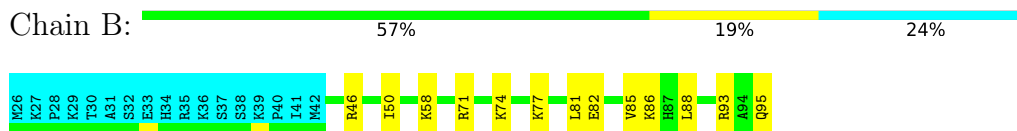


4.2.17 Score per residue for model 17

- Molecule 1: Transcription factor HES-1

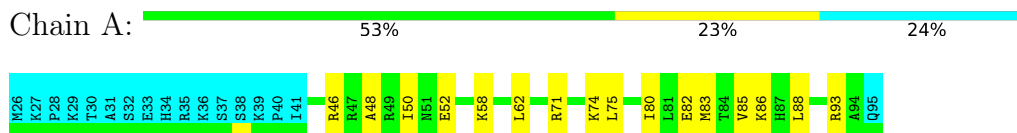


- Molecule 1: Transcription factor HES-1

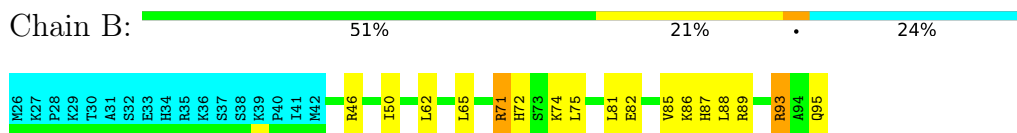


4.2.18 Score per residue for model 18

- Molecule 1: Transcription factor HES-1

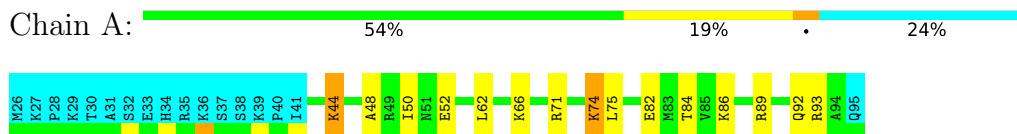


- Molecule 1: Transcription factor HES-1

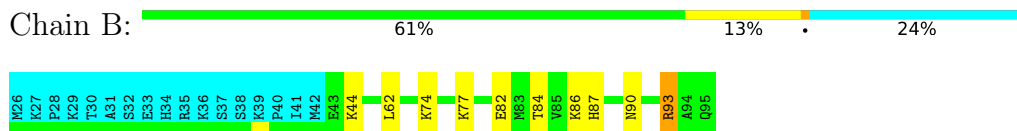


4.2.19 Score per residue for model 19

- Molecule 1: Transcription factor HES-1

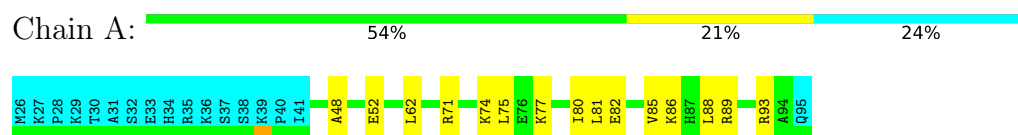


- Molecule 1: Transcription factor HES-1

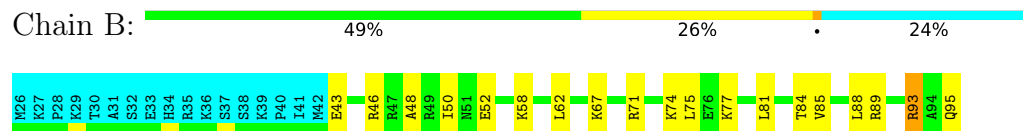


4.2.20 Score per residue for model 20

- Molecule 1: Transcription factor HES-1



- Molecule 1: Transcription factor HES-1



5 Refinement protocol and experimental data overview

The models were refined using the following method: *restrained molecular dynamics*.

Of the 100 calculated structures, 20 were deposited, based on the following criterion: *structures with the lowest energy*.

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

Software name	Classification	Version
CNS	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	861
Number of shifts mapped to atoms	861
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	41%

6 Model quality [i](#)

6.1 Standard geometry [i](#)

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

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	Chirality	Planarity
1	A	0.0±0.0	0.3±0.5
1	B	0.0±0.0	0.1±0.3
All	All	0	8

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

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

Mol	Chain	Res	Type	Group	Models (Total)
1	A	71	ARG	Sidechain	3
1	A	46	ARG	Sidechain	2
1	B	71	ARG	Sidechain	1
1	B	46	ARG	Sidechain	1
1	A	47	ARG	Sidechain	1

6.2 Too-close contacts [i](#)

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	437	478	478	9±3
1	B	438	477	477	8±3
All	All	17500	19100	19100	325

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 9.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:67:LYS:HE2	1:A:83:MET:SD	0.71	2.24	1	2
1:A:63:ASP:O	1:A:66:LYS:HE3	0.67	1.89	9	4
1:B:63:ASP:O	1:B:66:LYS:HE2	0.66	1.91	9	3
1:A:75:LEU:HG	1:A:80:ILE:CG1	0.64	2.22	20	4
1:A:72:HIS:HA	1:A:75:LEU:HD23	0.64	1.69	9	1
1:A:85:VAL:O	1:A:88:LEU:HG	0.63	1.94	16	5
1:B:67:LYS:HE3	1:B:83:MET:SD	0.63	2.33	11	7
1:A:72:HIS:HA	1:A:75:LEU:HD12	0.63	1.71	15	2
1:A:63:ASP:O	1:A:66:LYS:HE2	0.61	1.96	14	5
1:A:82:GLU:O	1:A:86:LYS:HG2	0.60	1.95	10	1
1:B:82:GLU:O	1:B:86:LYS:HG3	0.59	1.97	2	18
1:B:85:VAL:O	1:B:88:LEU:HG	0.59	1.97	17	3
1:A:67:LYS:HE3	1:A:83:MET:SD	0.58	2.38	12	3
1:A:61:ILE:O	1:A:65:LEU:HG	0.58	1.99	4	3
1:A:85:VAL:HG22	1:B:57:LEU:HD23	0.57	1.77	10	1
1:A:82:GLU:O	1:A:86:LYS:HG3	0.57	2.00	11	16
1:B:89:ARG:O	1:B:93:ARG:HG3	0.56	2.00	18	5
1:A:71:ARG:O	1:A:75:LEU:HG	0.56	2.00	11	5
1:B:61:ILE:O	1:B:65:LEU:HG	0.56	2.01	13	3
1:A:63:ASP:HA	1:A:66:LYS:HE3	0.55	1.78	16	2
1:A:77:LYS:O	1:A:81:LEU:HG	0.55	2.02	10	8
1:A:47:ARG:HA	1:A:50:ILE:HD12	0.55	1.78	16	3
1:A:65:LEU:HD21	1:A:87:HIS:CD2	0.54	2.37	15	2
1:B:85:VAL:O	1:B:88:LEU:HB3	0.54	2.03	1	8
1:B:63:ASP:O	1:B:66:LYS:HE3	0.54	2.03	10	5
1:B:63:ASP:HA	1:B:66:LYS:HE3	0.53	1.79	1	4
1:B:72:HIS:HA	1:B:75:LEU:HD23	0.53	1.79	7	2
1:A:89:ARG:O	1:A:93:ARG:HG3	0.53	2.02	1	6
1:B:71:ARG:O	1:B:75:LEU:HG	0.53	2.03	18	6
1:B:67:LYS:HE2	1:B:83:MET:SD	0.53	2.44	4	1
1:B:63:ASP:HA	1:B:66:LYS:CE	0.52	2.34	6	4
1:B:46:ARG:O	1:B:50:ILE:HG13	0.52	2.04	7	13
1:A:48:ALA:O	1:A:52:GLU:HG2	0.51	2.06	14	9
1:B:48:ALA:O	1:B:52:GLU:HG2	0.50	2.07	14	9
1:A:85:VAL:O	1:A:88:LEU:HB3	0.50	2.06	5	7
1:A:71:ARG:NH1	1:A:75:LEU:HD13	0.50	2.22	14	1
1:B:48:ALA:O	1:B:52:GLU:HG3	0.50	2.07	16	4
1:B:61:ILE:O	1:B:65:LEU:HD12	0.50	2.06	11	1
1:A:62:LEU:HD21	1:A:72:HIS:CG	0.50	2.41	6	1
1:B:74:LYS:HE2	1:B:74:LYS:O	0.50	2.06	15	1
1:A:48:ALA:O	1:A:52:GLU:HG3	0.50	2.06	19	6

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:75:LEU:HG	1:A:80:ILE:HG12	0.49	1.84	14	2
1:B:57:LEU:HD21	1:B:84:THR:CG2	0.49	2.36	10	1
1:B:77:LYS:O	1:B:81:LEU:HG	0.49	2.08	20	6
1:B:43:GLU:O	1:B:47:ARG:HG3	0.48	2.07	13	2
1:B:75:LEU:HG	1:B:80:ILE:CG1	0.48	2.39	14	1
1:A:54:LEU:O	1:A:57:LEU:HB3	0.48	2.09	8	3
1:B:47:ARG:HA	1:B:50:ILE:HD12	0.47	1.86	2	1
1:A:68:ASP:OD2	1:A:70:SER:HB2	0.47	2.09	8	3
1:B:65:LEU:HD12	1:B:65:LEU:N	0.47	2.24	9	1
1:B:65:LEU:HD11	1:B:87:HIS:CD2	0.47	2.45	4	2
1:B:68:ASP:OD2	1:B:70:SER:HB3	0.47	2.10	12	1
1:A:63:ASP:O	1:A:66:LYS:HG2	0.47	2.09	14	1
1:B:61:ILE:HG21	1:B:83:MET:HB3	0.47	1.87	15	1
1:B:58:LYS:HB3	1:B:80:ILE:HG23	0.47	1.86	13	1
1:B:58:LYS:HD2	1:B:59:THR:N	0.47	2.24	13	1
1:A:65:LEU:HD21	1:A:87:HIS:ND1	0.47	2.24	17	1
1:A:81:LEU:O	1:A:85:VAL:HG23	0.46	2.11	14	10
1:B:74:LYS:HE3	1:B:74:LYS:HA	0.46	1.87	10	1
1:B:76:GLU:HB2	1:B:79:ASP:OD1	0.46	2.10	13	1
1:A:68:ASP:OD2	1:A:70:SER:HB3	0.46	2.10	1	1
1:B:74:LYS:HE2	1:B:74:LYS:HA	0.46	1.86	16	2
1:A:65:LEU:HD12	1:A:65:LEU:N	0.46	2.26	9	1
1:A:65:LEU:HD11	1:A:87:HIS:CG	0.46	2.45	11	1
1:A:46:ARG:O	1:A:50:ILE:HG13	0.46	2.11	17	11
1:A:50:ILE:HD13	1:B:77:LYS:HE3	0.46	1.88	19	2
1:B:65:LEU:HD11	1:B:87:HIS:CG	0.46	2.46	2	3
1:B:72:HIS:HA	1:B:75:LEU:CD2	0.46	2.41	7	1
1:A:57:LEU:CD2	1:A:84:THR:HG21	0.46	2.41	8	3
1:A:74:LYS:HA	1:A:74:LYS:HE3	0.46	1.86	17	2
1:A:75:LEU:HB3	1:A:80:ILE:CG1	0.46	2.41	4	3
1:A:68:ASP:HB2	1:A:71:ARG:CG	0.46	2.41	13	1
1:B:74:LYS:HA	1:B:74:LYS:HE3	0.45	1.87	5	1
1:A:74:LYS:O	1:A:74:LYS:HE2	0.45	2.11	19	1
1:B:85:VAL:O	1:B:89:ARG:HG2	0.45	2.11	2	1
1:A:75:LEU:HG	1:A:80:ILE:HG13	0.45	1.88	8	2
1:A:63:ASP:HA	1:A:66:LYS:CE	0.45	2.41	16	3
1:A:86:LYS:HA	1:A:89:ARG:HG2	0.44	1.88	14	1
1:A:79:ASP:O	1:A:83:MET:HB2	0.44	2.12	14	2
1:B:81:LEU:O	1:B:85:VAL:HG23	0.44	2.12	2	6
1:A:71:ARG:NH1	1:A:75:LEU:HG	0.44	2.27	4	1
1:B:45:ARG:O	1:B:49:ARG:HD3	0.44	2.13	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:95:GLN:NE2	1:B:95:GLN:H	0.44	2.11	14	1
1:A:62:LEU:HG	1:A:72:HIS:CD2	0.44	2.48	3	1
1:B:54:LEU:O	1:B:57:LEU:HB3	0.44	2.13	14	2
1:A:61:ILE:HG23	1:A:87:HIS:ND1	0.43	2.28	5	1
1:A:74:LYS:HA	1:A:74:LYS:HE2	0.43	1.89	13	1
1:B:43:GLU:O	1:B:47:ARG:HG2	0.43	2.13	5	1
1:B:68:ASP:OD2	1:B:70:SER:HB2	0.42	2.13	8	1
1:A:71:ARG:HG3	1:A:72:HIS:N	0.42	2.28	10	2
1:A:72:HIS:HA	1:A:75:LEU:HD13	0.42	1.91	1	1
1:A:68:ASP:HB2	1:A:71:ARG:HG2	0.42	1.89	13	1
1:A:72:HIS:HA	1:A:75:LEU:CD1	0.42	2.45	1	2
1:B:57:LEU:CD2	1:B:84:THR:HG21	0.42	2.45	5	2
1:A:63:ASP:CA	1:A:66:LYS:HE3	0.42	2.43	16	1
1:A:74:LYS:HE2	1:A:74:LYS:HA	0.42	1.91	7	2
1:A:65:LEU:HB2	1:A:67:LYS:HD2	0.41	1.92	13	1
1:A:65:LEU:HD11	1:A:87:HIS:CD2	0.41	2.50	7	1
1:B:53:SER:O	1:B:57:LEU:HB2	0.41	2.15	14	1
1:A:68:ASP:HB3	1:A:71:ARG:CG	0.41	2.45	8	1
1:B:71:ARG:HG3	1:B:72:HIS:N	0.41	2.31	2	1
1:B:63:ASP:CA	1:B:66:LYS:HE3	0.41	2.45	1	1
1:A:45:ARG:O	1:A:49:ARG:HG3	0.41	2.16	8	1
1:A:85:VAL:O	1:A:89:ARG:HG2	0.41	2.15	4	1
1:B:58:LYS:HE3	1:B:72:HIS:NE2	0.41	2.30	2	1
1:A:72:HIS:HD1	1:A:75:LEU:HD22	0.41	1.75	6	1
1:A:65:LEU:HD11	1:A:87:HIS:ND1	0.41	2.31	10	1
1:B:90:ASN:O	1:B:93:ARG:HG3	0.40	2.16	19	1
1:B:79:ASP:O	1:B:83:MET:HB2	0.40	2.17	1	1
1:B:61:ILE:CD1	1:B:84:THR:HA	0.40	2.47	6	1
1:B:87:HIS:CE1	1:B:91:LEU:HD11	0.40	2.52	7	1
1:A:57:LEU:HD22	1:A:84:THR:HG21	0.40	1.92	8	1
1:A:92:GLN:OE1	1:A:92:GLN:HA	0.40	2.16	19	1
1:B:66:LYS:HA	1:B:66:LYS:HE2	0.40	1.94	13	1
1:A:62:LEU:O	1:A:66:LYS:HA	0.40	2.16	19	1
1:B:62:LEU:HG	1:B:72:HIS:CG	0.40	2.51	18	1
1:A:76:GLU:O	1:A:80:ILE:HD12	0.40	2.16	12	1
1:A:65:LEU:N	1:A:65:LEU:HD12	0.40	2.32	16	1

6.3 Torsion angles [i](#)

6.3.1 Protein backbone [i](#)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	53/70 (76%)	50±1 (95±2%)	2±1 (4±2%)	0±0 (0±1%)	38	78
1	B	52/70 (74%)	49±1 (94±1%)	3±1 (6±1%)	0±0 (0±0%)	54	85
All	All	2100/2800 (75%)	1990 (95%)	105 (5%)	5 (0%)	50	82

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

Mol	Chain	Res	Type	Models (Total)
1	A	67	LYS	3
1	A	75	LEU	1
1	B	67	LYS	1

6.3.2 Protein sidechains [i](#)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	49/65 (75%)	45±1 (91±3%)	4±1 (9±3%)	13	60
1	B	49/65 (75%)	44±2 (90±3%)	5±2 (10±3%)	11	57
All	All	1960/2600 (75%)	1776 (91%)	184 (9%)	12	58

All 30 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	74	LYS	20
1	B	74	LYS	20
1	A	71	ARG	18
1	B	71	ARG	16

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Mol	Chain	Res	Type	Models (Total)
1	B	93	ARG	16
1	A	62	LEU	15
1	A	93	ARG	13
1	B	62	LEU	11
1	B	95	GLN	9
1	A	44	LYS	5
1	A	75	LEU	5
1	A	58	LYS	4
1	B	58	LYS	4
1	B	84	THR	4
1	B	75	LEU	3
1	B	63	ASP	2
1	A	89	ARG	2
1	A	84	THR	2
1	B	54	LEU	2
1	B	87	HIS	2
1	B	89	ARG	2
1	B	88	LEU	1
1	A	49	ARG	1
1	A	66	LYS	1
1	B	49	ARG	1
1	B	43	GLU	1
1	B	83	MET	1
1	A	79	ASP	1
1	A	83	MET	1
1	B	44	LYS	1

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation [i](#)

The completeness of assignment taking into account all chemical shift lists is 41% for the well-defined parts and 41% 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	861
Number of shifts mapped to atoms	861
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
$^{13}\text{C}_\alpha$	70	-0.36 ± 0.16	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	69	0.26 ± 0.10	None needed (< 0.5 ppm)
$^{13}\text{C}'$	68	-0.37 ± 0.15	None needed (< 0.5 ppm)
^{15}N	66	-0.48 ± 0.25	None needed (< 0.5 ppm)

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 41%, i.e. 655 atoms were assigned a chemical shift out of a possible 1610. 0 out of 20 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	261/530 (49%)	102/212 (48%)	106/212 (50%)	53/106 (50%)
Sidechain	394/1052 (37%)	268/675 (40%)	122/312 (39%)	4/65 (6%)

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	Total	¹ H	¹³ C	¹⁵ N
Aromatic	0/28 (0%)	0/16 (0%)	0/8 (0%)	0/4 (0%)
Overall	655/1610 (41%)	370/903 (41%)	228/532 (43%)	57/175 (33%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 41%, i.e. 861 atoms were assigned a chemical shift out of a possible 2086. 0 out of 20 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	336/692 (49%)	132/276 (48%)	138/280 (49%)	66/136 (49%)
Sidechain	525/1352 (39%)	356/868 (41%)	164/404 (41%)	5/80 (6%)
Aromatic	0/42 (0%)	0/24 (0%)	0/12 (0%)	0/6 (0%)
Overall	861/2086 (41%)	488/1168 (42%)	302/696 (43%)	71/222 (32%)

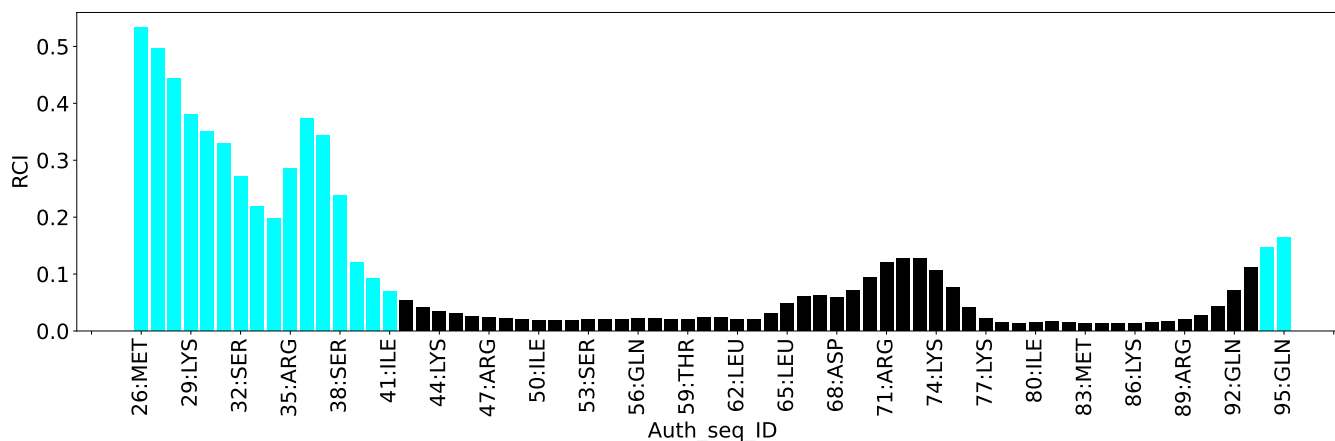
7.1.4 Statistically unusual chemical shifts [i](#)

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	991
Intra-residue ($ i-j =0$)	210
Sequential ($ i-j =1$)	251
Medium range ($ i-j >1$ and $ i-j <5$)	257
Long range ($ i-j \geq 5$)	204
Inter-chain	2
Hydrogen bond restraints	67
Disulfide bond restraints	0
Total dihedral-angle restraints	122
Number of unmapped restraints	0
Number of restraints per residue	8.0
Number of long range restraints per residue ¹	1.5

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)	14.8	0.2
0.2-0.5 (Medium)	29.9	0.5
>0.5 (Large)	263.1	26.09

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)	6.7	9.8
10.0-20.0 (Medium)	3.7	19.9
>20.0 (Large)	18.3	155.8

9 Distance violation analysis i

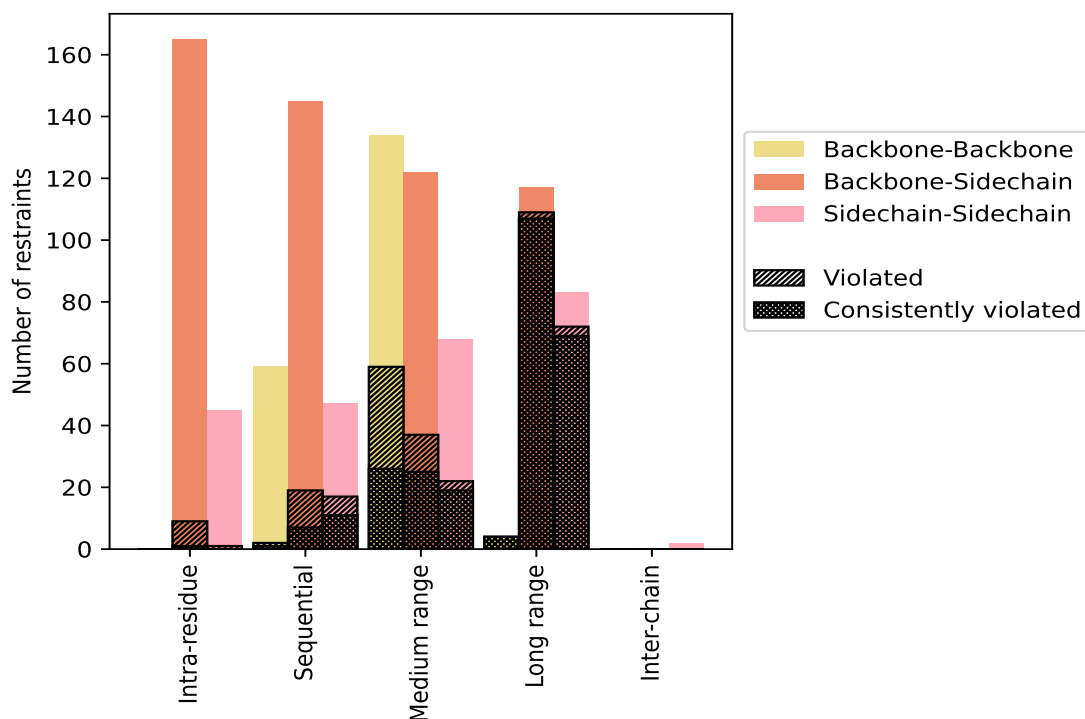
9.1 Summary of distance violations i

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

Restrains type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue ($i-j =0$)	210	21.2	10	4.8	1.0	1	0.5	0.1
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	165	16.6	9	5.5	0.9	1	0.6	0.1
Sidechain-Sidechain	45	4.5	1	2.2	0.1	0	0.0	0.0
Sequential ($i-j =1$)	251	25.3	38	15.1	3.8	19	7.6	1.9
Backbone-Backbone	59	6.0	2	3.4	0.2	1	1.7	0.1
Backbone-Sidechain	145	14.6	19	13.1	1.9	7	4.8	0.7
Sidechain-Sidechain	47	4.7	17	36.2	1.7	11	23.4	1.1
Medium range ($i-j >1$ & $i-j <5$)	257	25.9	73	28.4	7.4	54	21.0	5.4
Backbone-Backbone	67	6.8	14	20.9	1.4	10	14.9	1.0
Backbone-Sidechain	122	12.3	37	30.3	3.7	25	20.5	2.5
Sidechain-Sidechain	68	6.9	22	32.4	2.2	19	27.9	1.9
Long range ($i-j \geq 5$)	204	20.6	185	90.7	18.7	180	88.2	18.2
Backbone-Backbone	4	0.4	4	100.0	0.4	4	100.0	0.4
Backbone-Sidechain	117	11.8	109	93.2	11.0	107	91.5	10.8
Sidechain-Sidechain	83	8.4	72	86.7	7.3	69	83.1	7.0
Inter-chain	2	0.2	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	2	0.2	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	67	6.8	45	67.2	4.5	16	23.9	1.6
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	991	100.0	351	35.4	35.4	270	27.2	27.2
Backbone-Backbone	197	19.9	65	33.0	6.6	31	15.7	3.1
Backbone-Sidechain	549	55.4	174	31.7	17.6	140	25.5	14.1
Sidechain-Sidechain	245	24.7	112	45.7	11.3	99	40.4	10.0

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 disulfid 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	8	28	94	183	0	313	7.24	25.4	7.2	4.03
2	5	28	96	183	0	312	7.28	25.46	7.39	3.79
3	4	25	97	183	0	309	7.45	25.87	7.51	3.78
4	4	25	89	182	0	300	7.69	26.03	7.52	4.27
5	7	24	89	183	0	303	7.56	25.62	7.47	4.11
6	5	24	90	183	0	302	7.62	25.66	7.39	4.37
7	7	27	90	183	0	307	7.27	25.45	7.18	3.96
8	6	28	92	182	0	308	7.58	26.03	7.68	3.96
9	6	26	95	183	0	310	7.52	25.77	7.68	3.9
10	2	27	87	183	0	299	7.5	25.49	7.28	4.19
11	6	31	95	183	0	315	7.2	25.53	7.3	3.95

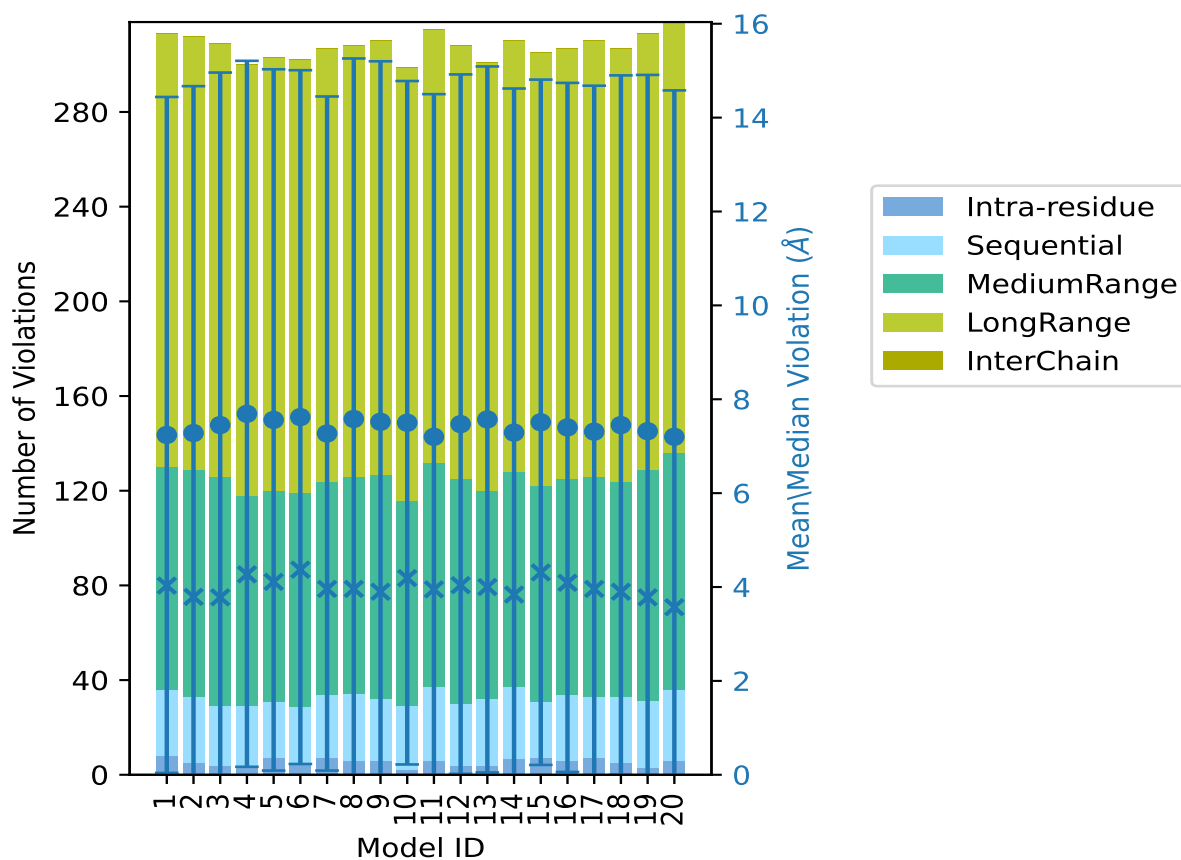
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
12	4	26	95	183	0	308	7.47	25.49	7.45	4.04
13	4	28	88	181	0	301	7.57	25.5	7.52	4.0
14	7	30	91	182	0	310	7.29	25.38	7.33	3.84
15	7	24	91	183	0	305	7.51	25.62	7.3	4.31
16	6	28	91	182	0	307	7.4	25.27	7.34	4.09
17	7	26	93	184	0	310	7.31	26.01	7.37	3.96
18	5	28	91	183	0	307	7.45	25.96	7.45	3.9
19	3	28	98	184	0	313	7.32	26.09	7.59	3.78
20	6	30	100	182	0	318	7.2	25.77	7.38	3.57

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 [i](#)



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

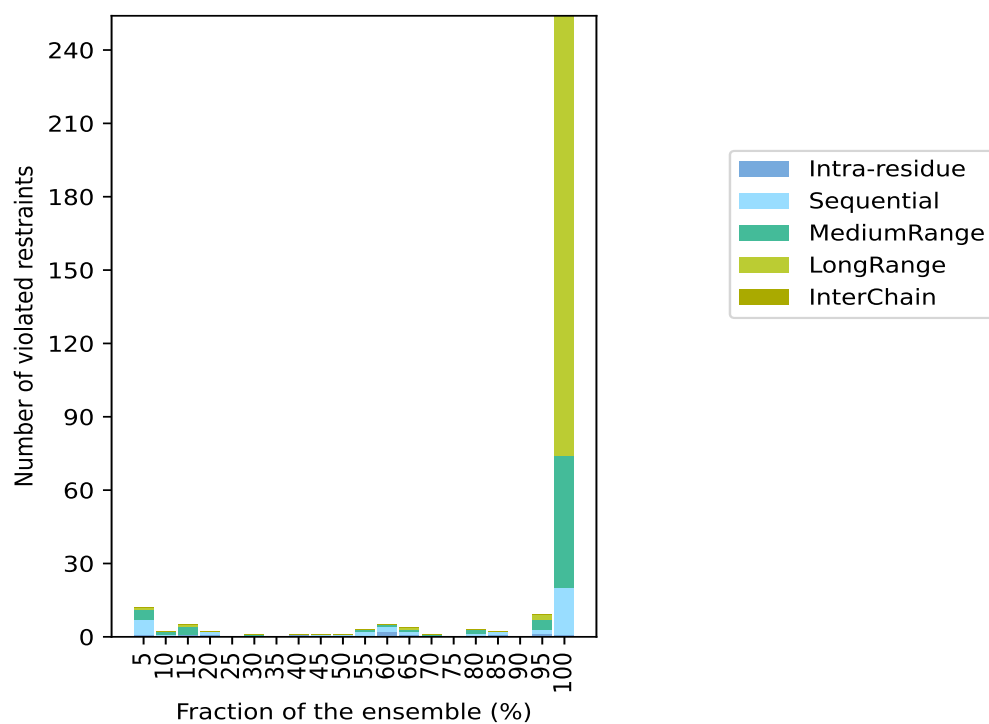
9.3 Distance violation statistics for the ensemble

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, 618(IR:200, SQ:213, MR:184, LR:19, IC:2) 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	%
1	6	4	1	0	12	1	5.0
0	1	1	0	0	2	2	10.0
1	0	3	1	0	5	3	15.0
1	1	0	0	0	2	4	20.0
0	0	0	0	0	0	5	25.0
0	0	1	0	0	1	6	30.0
0	0	0	0	0	0	7	35.0
1	0	0	0	0	1	8	40.0
0	1	0	0	0	1	9	45.0
0	1	0	0	0	1	10	50.0
0	2	1	0	0	3	11	55.0
2	2	1	0	0	5	12	60.0
1	1	1	1	0	4	13	65.0
0	0	1	0	0	1	14	70.0
0	0	0	0	0	0	15	75.0
0	1	2	0	0	3	16	80.0
1	1	0	0	0	2	17	85.0
0	0	0	0	0	0	18	90.0
1	2	4	2	0	9	19	95.0
1	19	54	180	0	254	20	100.0

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

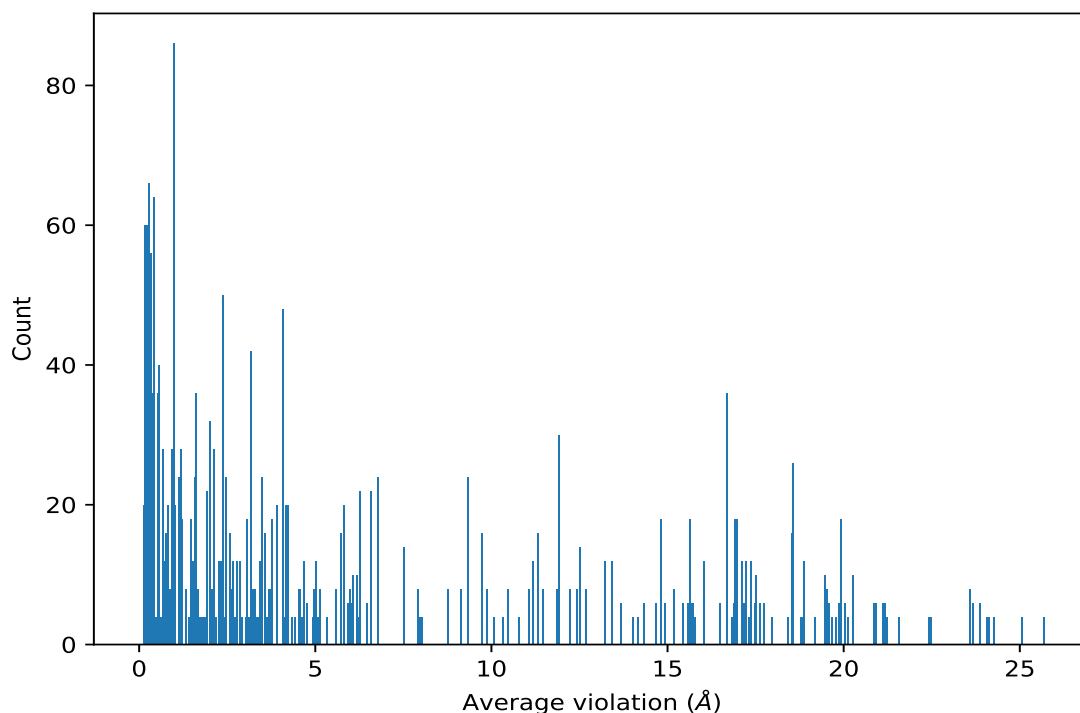
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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)
(1,410)	1:A:64:ALA:HA	1:A:40:PRO:HG3	20	25.66	0.25	25.62
(1,410)	1:A:64:ALA:HA	1:B:40:PRO:HG3	20	25.66	0.25	25.62
(1,410)	1:B:64:ALA:HA	1:A:40:PRO:HG3	20	25.66	0.25	25.62
(1,410)	1:B:64:ALA:HA	1:B:40:PRO:HG3	20	25.66	0.25	25.62
(1,411)	1:A:64:ALA:HA	1:A:40:PRO:HG2	20	25.09	0.25	25.1
(1,411)	1:A:64:ALA:HA	1:B:40:PRO:HG2	20	25.09	0.25	25.1
(1,411)	1:B:64:ALA:HA	1:A:40:PRO:HG2	20	25.09	0.25	25.1
(1,411)	1:B:64:ALA:HA	1:B:40:PRO:HG2	20	25.09	0.25	25.1
(1,732)	1:A:64:ALA:HA	1:A:39:LYS:HG2	20	24.25	0.52	24.2
(1,732)	1:A:64:ALA:HA	1:B:39:LYS:HG2	20	24.25	0.52	24.2
(1,732)	1:B:64:ALA:HA	1:A:39:LYS:HG2	20	24.25	0.52	24.2
(1,732)	1:B:64:ALA:HA	1:B:39:LYS:HG2	20	24.25	0.52	24.2
(1,526)	1:A:40:PRO:HG3	1:A:66:LYS:H	20	24.12	0.37	24.09
(1,526)	1:A:40:PRO:HG3	1:B:66:LYS:H	20	24.12	0.37	24.09
(1,526)	1:B:40:PRO:HG3	1:A:66:LYS:H	20	24.12	0.37	24.09
(1,526)	1:B:40:PRO:HG3	1:B:66:LYS:H	20	24.12	0.37	24.09

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,632)	1:A:66:LYS:HG2	1:A:41:ILE:HG13	20	24.05	0.36	24.03
(1,632)	1:A:66:LYS:HG2	1:B:41:ILE:HG13	20	24.05	0.36	24.03
(1,632)	1:B:66:LYS:HG2	1:A:41:ILE:HG13	20	24.05	0.36	24.03
(1,632)	1:B:66:LYS:HG2	1:B:41:ILE:HG13	20	24.05	0.36	24.03
(1,544)	1:A:64:ALA:HA	1:A:39:LYS:HE2	20	23.86	0.56	24.02
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE2	20	23.86	0.56	24.02
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE3	20	23.86	0.56	24.02
(1,544)	1:B:64:ALA:HA	1:A:39:LYS:HE2	20	23.86	0.56	24.02
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE2	20	23.86	0.56	24.02
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE3	20	23.86	0.56	24.02
(1,733)	1:A:64:ALA:HA	1:A:39:LYS:HD2	20	23.69	0.51	23.78
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD2	20	23.69	0.51	23.78
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD3	20	23.69	0.51	23.78
(1,733)	1:B:64:ALA:HA	1:A:39:LYS:HD2	20	23.69	0.51	23.78
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD2	20	23.69	0.51	23.78
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD3	20	23.69	0.51	23.78
(1,734)	1:A:64:ALA:HA	1:A:39:LYS:HG3	20	23.59	0.46	23.65
(1,734)	1:A:64:ALA:HA	1:B:39:LYS:HG3	20	23.59	0.46	23.65
(1,734)	1:B:64:ALA:HA	1:A:39:LYS:HG3	20	23.59	0.46	23.65
(1,734)	1:B:64:ALA:HA	1:B:39:LYS:HG3	20	23.59	0.46	23.65
(1,288)	1:A:40:PRO:HG2	1:A:66:LYS:H	20	23.56	0.35	23.67
(1,288)	1:A:40:PRO:HG2	1:B:66:LYS:H	20	23.56	0.35	23.67
(1,288)	1:B:40:PRO:HG2	1:A:66:LYS:H	20	23.56	0.35	23.67
(1,288)	1:B:40:PRO:HG2	1:B:66:LYS:H	20	23.56	0.35	23.67
(1,317)	1:A:64:ALA:H	1:A:39:LYS:HG2	20	22.48	0.53	22.41
(1,317)	1:A:64:ALA:H	1:B:39:LYS:HG2	20	22.48	0.53	22.41
(1,317)	1:B:64:ALA:H	1:A:39:LYS:HG2	20	22.48	0.53	22.41
(1,317)	1:B:64:ALA:H	1:B:39:LYS:HG2	20	22.48	0.53	22.41
(1,703)	1:A:66:LYS:HA	1:A:41:ILE:HG13	20	22.45	0.41	22.5
(1,703)	1:A:66:LYS:HA	1:B:41:ILE:HG13	20	22.45	0.41	22.5
(1,703)	1:B:66:LYS:HA	1:A:41:ILE:HG13	20	22.45	0.41	22.5
(1,703)	1:B:66:LYS:HA	1:B:41:ILE:HG13	20	22.45	0.41	22.5
(1,24)	1:A:64:ALA:H	1:A:39:LYS:HG3	20	21.57	0.46	21.62
(1,24)	1:A:64:ALA:H	1:B:39:LYS:HG3	20	21.57	0.46	21.62
(1,24)	1:B:64:ALA:H	1:A:39:LYS:HG3	20	21.57	0.46	21.62
(1,24)	1:B:64:ALA:H	1:B:39:LYS:HG3	20	21.57	0.46	21.62
(1,702)	1:A:66:LYS:HA	1:A:41:ILE:HG12	20	21.23	0.43	21.2
(1,702)	1:A:66:LYS:HA	1:B:41:ILE:HG12	20	21.23	0.43	21.2
(1,702)	1:B:66:LYS:HA	1:A:41:ILE:HG12	20	21.23	0.43	21.2
(1,702)	1:B:66:LYS:HA	1:B:41:ILE:HG12	20	21.23	0.43	21.2
(1,786)	1:A:39:LYS:HE2	1:A:65:LEU:HG	20	21.16	0.78	21.07
(1,786)	1:A:39:LYS:HE2	1:B:65:LEU:HG	20	21.16	0.78	21.07

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,786)	1:B:39:LYS:HE2	1:A:65:LEU:HG	20	21.16	0.78	21.07
(1,786)	1:B:39:LYS:HE2	1:B:65:LEU:HG	20	21.16	0.78	21.07
(1,786)	1:B:39:LYS:HE3	1:A:65:LEU:HG	20	21.16	0.78	21.07
(1,786)	1:B:39:LYS:HE3	1:B:65:LEU:HG	20	21.16	0.78	21.07
(1,527)	1:A:39:LYS:HE2	1:A:66:LYS:H	20	21.14	0.64	21.2
(1,527)	1:A:39:LYS:HE2	1:B:66:LYS:H	20	21.14	0.64	21.2
(1,527)	1:B:39:LYS:HE2	1:A:66:LYS:H	20	21.14	0.64	21.2
(1,527)	1:B:39:LYS:HE2	1:B:66:LYS:H	20	21.14	0.64	21.2
(1,527)	1:B:39:LYS:HE3	1:A:66:LYS:H	20	21.14	0.64	21.2
(1,527)	1:B:39:LYS:HE3	1:B:66:LYS:H	20	21.14	0.64	21.2
(1,21)	1:A:64:ALA:H	1:A:39:LYS:HE2	20	20.95	0.58	21.1
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE2	20	20.95	0.58	21.1
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE3	20	20.95	0.58	21.1
(1,21)	1:B:64:ALA:H	1:A:39:LYS:HE2	20	20.95	0.58	21.1
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE2	20	20.95	0.58	21.1
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE3	20	20.95	0.58	21.1
(1,305)	1:A:39:LYS:HD2	1:A:66:LYS:H	20	20.88	0.58	20.9
(1,305)	1:A:39:LYS:HD2	1:B:66:LYS:H	20	20.88	0.58	20.9
(1,305)	1:B:39:LYS:HD2	1:A:66:LYS:H	20	20.88	0.58	20.9
(1,305)	1:B:39:LYS:HD2	1:B:66:LYS:H	20	20.88	0.58	20.9
(1,305)	1:B:39:LYS:HD3	1:A:66:LYS:H	20	20.88	0.58	20.9
(1,305)	1:B:39:LYS:HD3	1:B:66:LYS:H	20	20.88	0.58	20.9
(1,547)	1:A:65:LEU:HA	1:A:43:GLU:HG2	20	20.27	0.39	20.34
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG2	20	20.27	0.39	20.34
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG3	20	20.27	0.39	20.34
(1,547)	1:B:65:LEU:HA	1:A:43:GLU:HG2	20	20.27	0.39	20.34
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG2	20	20.27	0.39	20.34
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG3	20	20.27	0.39	20.34
(1,32)	1:A:66:LYS:H	1:A:41:ILE:HG12	20	20.26	0.4	20.26
(1,32)	1:A:66:LYS:H	1:B:41:ILE:HG12	20	20.26	0.4	20.26
(1,32)	1:B:66:LYS:H	1:A:41:ILE:HG12	20	20.26	0.4	20.26
(1,32)	1:B:66:LYS:H	1:B:41:ILE:HG12	20	20.26	0.4	20.26
(1,693)	1:A:41:ILE:HG12	1:A:67:LYS:HA	20	20.14	0.56	20.05
(1,693)	1:A:41:ILE:HG12	1:B:67:LYS:HA	20	20.14	0.56	20.05
(1,693)	1:B:41:ILE:HG12	1:A:67:LYS:HA	20	20.14	0.56	20.05
(1,693)	1:B:41:ILE:HG12	1:B:67:LYS:HA	20	20.14	0.56	20.05
(1,792)	1:A:69:SER:HG	1:A:44:LYS:HE2	20	20.03	0.69	20.06
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE2	20	20.03	0.69	20.06
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE3	20	20.03	0.69	20.06
(1,792)	1:B:69:SER:HG	1:A:44:LYS:HE2	20	20.03	0.69	20.06
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE2	20	20.03	0.69	20.06
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE3	20	20.03	0.69	20.06

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,301)	1:A:64:ALA:H	1:A:39:LYS:HD2	20	19.95	0.53	20.06
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD2	20	19.95	0.53	20.06
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD3	20	19.95	0.53	20.06
(1,301)	1:B:64:ALA:H	1:A:39:LYS:HD2	20	19.95	0.53	20.06
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD2	20	19.95	0.53	20.06
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD3	20	19.95	0.53	20.06
(1,779)	1:A:64:ALA:HB1	1:A:39:LYS:HG2	20	19.95	0.41	19.92
(1,779)	1:A:64:ALA:HB1	1:B:39:LYS:HG2	20	19.95	0.41	19.92
(1,779)	1:A:64:ALA:HB2	1:A:39:LYS:HG2	20	19.95	0.41	19.92
(1,779)	1:A:64:ALA:HB2	1:B:39:LYS:HG2	20	19.95	0.41	19.92
(1,779)	1:A:64:ALA:HB3	1:A:39:LYS:HG2	20	19.95	0.41	19.92
(1,779)	1:A:64:ALA:HB3	1:B:39:LYS:HG2	20	19.95	0.41	19.92
(1,779)	1:B:64:ALA:HB1	1:A:39:LYS:HG2	20	19.95	0.41	19.92
(1,779)	1:B:64:ALA:HB1	1:B:39:LYS:HG2	20	19.95	0.41	19.92
(1,779)	1:B:64:ALA:HB2	1:A:39:LYS:HG2	20	19.95	0.41	19.92
(1,779)	1:B:64:ALA:HB2	1:B:39:LYS:HG2	20	19.95	0.41	19.92
(1,779)	1:B:64:ALA:HB3	1:A:39:LYS:HG2	20	19.95	0.41	19.92
(1,779)	1:B:64:ALA:HB3	1:B:39:LYS:HG2	20	19.95	0.41	19.92
(1,565)	1:A:66:LYS:HA	1:A:44:LYS:HE2	20	19.87	0.54	19.94
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE2	20	19.87	0.54	19.94
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE3	20	19.87	0.54	19.94
(1,565)	1:B:66:LYS:HA	1:A:44:LYS:HE2	20	19.87	0.54	19.94
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE2	20	19.87	0.54	19.94
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE3	20	19.87	0.54	19.94
(1,323)	1:A:41:ILE:HG13	1:A:67:LYS:H	20	19.78	0.44	19.82
(1,323)	1:A:41:ILE:HG13	1:B:67:LYS:H	20	19.78	0.44	19.82
(1,323)	1:B:41:ILE:HG13	1:A:67:LYS:H	20	19.78	0.44	19.82
(1,323)	1:B:41:ILE:HG13	1:B:67:LYS:H	20	19.78	0.44	19.82
(1,310)	1:A:41:ILE:HG12	1:A:67:LYS:H	20	19.7	0.46	19.73
(1,310)	1:A:41:ILE:HG12	1:B:67:LYS:H	20	19.7	0.46	19.73
(1,310)	1:B:41:ILE:HG12	1:A:67:LYS:H	20	19.7	0.46	19.73
(1,310)	1:B:41:ILE:HG12	1:B:67:LYS:H	20	19.7	0.46	19.73
(1,302)	1:A:39:LYS:HD2	1:A:67:LYS:H	20	19.56	0.61	19.56
(1,302)	1:A:39:LYS:HD2	1:B:67:LYS:H	20	19.56	0.61	19.56
(1,302)	1:B:39:LYS:HD2	1:A:67:LYS:H	20	19.56	0.61	19.56
(1,302)	1:B:39:LYS:HD2	1:B:67:LYS:H	20	19.56	0.61	19.56
(1,302)	1:B:39:LYS:HD3	1:A:67:LYS:H	20	19.56	0.61	19.56
(1,302)	1:B:39:LYS:HD3	1:B:67:LYS:H	20	19.56	0.61	19.56
(1,694)	1:A:41:ILE:HG13	1:A:67:LYS:HA	20	19.53	0.54	19.46
(1,694)	1:A:41:ILE:HG13	1:B:67:LYS:HA	20	19.53	0.54	19.46
(1,694)	1:B:41:ILE:HG13	1:A:67:LYS:HA	20	19.53	0.54	19.46
(1,694)	1:B:41:ILE:HG13	1:B:67:LYS:HA	20	19.53	0.54	19.46

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,45)	1:A:69:SER:H	1:A:44:LYS:HG3	20	19.5	0.5	19.48
(1,45)	1:A:69:SER:H	1:B:44:LYS:HG3	20	19.5	0.5	19.48
(1,45)	1:B:69:SER:H	1:A:44:LYS:HG3	20	19.5	0.5	19.48
(1,45)	1:B:69:SER:H	1:B:44:LYS:HG3	20	19.5	0.5	19.48
(1,686)	1:A:66:LYS:HG2	1:A:45:ARG:HD2	20	19.49	0.37	19.5
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD2	20	19.49	0.37	19.5
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD3	20	19.49	0.37	19.5
(1,686)	1:B:66:LYS:HG2	1:A:45:ARG:HD2	20	19.49	0.37	19.5
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD2	20	19.49	0.37	19.5
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD3	20	19.49	0.37	19.5
(1,773)	1:A:63:ASP:H	1:A:39:LYS:HG2	20	19.47	0.53	19.41
(1,773)	1:A:63:ASP:H	1:B:39:LYS:HG2	20	19.47	0.53	19.41
(1,773)	1:B:63:ASP:H	1:A:39:LYS:HG2	20	19.47	0.53	19.41
(1,773)	1:B:63:ASP:H	1:B:39:LYS:HG2	20	19.47	0.53	19.41
(1,750)	1:A:69:SER:H	1:A:44:LYS:HG2	20	19.16	0.35	19.09
(1,750)	1:A:69:SER:H	1:B:44:LYS:HG2	20	19.16	0.35	19.09
(1,750)	1:B:69:SER:H	1:A:44:LYS:HG2	20	19.16	0.35	19.09
(1,750)	1:B:69:SER:H	1:B:44:LYS:HG2	20	19.16	0.35	19.09
(1,605)	1:A:39:LYS:HD2	1:A:67:LYS:HG2	20	18.89	0.67	18.76
(1,605)	1:A:39:LYS:HD2	1:B:67:LYS:HG2	20	18.89	0.67	18.76
(1,605)	1:B:39:LYS:HD2	1:A:67:LYS:HG2	20	18.89	0.67	18.76
(1,605)	1:B:39:LYS:HD2	1:B:67:LYS:HG2	20	18.89	0.67	18.76
(1,605)	1:B:39:LYS:HD3	1:A:67:LYS:HG2	20	18.89	0.67	18.76
(1,605)	1:B:39:LYS:HD3	1:B:67:LYS:HG2	20	18.89	0.67	18.76
(1,328)	1:A:69:SER:H	1:A:44:LYS:HE2	20	18.88	0.47	18.94
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE2	20	18.88	0.47	18.94
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE3	20	18.88	0.47	18.94
(1,328)	1:B:69:SER:H	1:A:44:LYS:HE2	20	18.88	0.47	18.94
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE2	20	18.88	0.47	18.94
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE3	20	18.88	0.47	18.94
(1,617)	1:A:39:LYS:HG2	1:A:67:LYS:HG3	20	18.8	0.8	18.81
(1,617)	1:A:39:LYS:HG2	1:B:67:LYS:HG3	20	18.8	0.8	18.81
(1,617)	1:B:39:LYS:HG2	1:A:67:LYS:HG3	20	18.8	0.8	18.81
(1,617)	1:B:39:LYS:HG2	1:B:67:LYS:HG3	20	18.8	0.8	18.81
(1,672)	1:A:39:LYS:HG2	1:A:67:LYS:HG2	20	18.75	0.75	18.64
(1,672)	1:A:39:LYS:HG2	1:B:67:LYS:HG2	20	18.75	0.75	18.64
(1,672)	1:B:39:LYS:HG2	1:A:67:LYS:HG2	20	18.75	0.75	18.64
(1,672)	1:B:39:LYS:HG2	1:B:67:LYS:HG2	20	18.75	0.75	18.64
(1,780)	1:A:64:ALA:HB1	1:A:39:LYS:HE2	20	18.56	0.46	18.66
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE2	20	18.56	0.46	18.66
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE3	20	18.56	0.46	18.66
(1,780)	1:A:64:ALA:HB2	1:A:39:LYS:HE2	20	18.56	0.46	18.66

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE2	20	18.56	0.46	18.66
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE3	20	18.56	0.46	18.66
(1,780)	1:A:64:ALA:HB3	1:A:39:LYS:HE2	20	18.56	0.46	18.66
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE2	20	18.56	0.46	18.66
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE3	20	18.56	0.46	18.66
(1,780)	1:B:64:ALA:HB1	1:A:39:LYS:HE2	20	18.56	0.46	18.66
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE2	20	18.56	0.46	18.66
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE3	20	18.56	0.46	18.66
(1,780)	1:B:64:ALA:HB2	1:A:39:LYS:HE2	20	18.56	0.46	18.66
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE2	20	18.56	0.46	18.66
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE3	20	18.56	0.46	18.66
(1,780)	1:B:64:ALA:HB3	1:A:39:LYS:HE2	20	18.56	0.46	18.66
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE2	20	18.56	0.46	18.66
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE3	20	18.56	0.46	18.66
(1,434)	1:A:63:ASP:HB2	1:A:39:LYS:HG2	20	18.56	0.4	18.51
(1,434)	1:A:63:ASP:HB2	1:B:39:LYS:HG2	20	18.56	0.4	18.51
(1,434)	1:A:63:ASP:HB3	1:A:39:LYS:HG2	20	18.56	0.4	18.51
(1,434)	1:A:63:ASP:HB3	1:B:39:LYS:HG2	20	18.56	0.4	18.51
(1,434)	1:B:63:ASP:HB2	1:A:39:LYS:HG2	20	18.56	0.4	18.51
(1,434)	1:B:63:ASP:HB2	1:B:39:LYS:HG2	20	18.56	0.4	18.51
(1,434)	1:B:63:ASP:HB3	1:A:39:LYS:HG2	20	18.56	0.4	18.51
(1,434)	1:B:63:ASP:HB3	1:B:39:LYS:HG2	20	18.56	0.4	18.51
(1,611)	1:A:39:LYS:HG3	1:A:67:LYS:HG2	20	18.53	0.72	18.68
(1,611)	1:A:39:LYS:HG3	1:B:67:LYS:HG2	20	18.53	0.72	18.68
(1,611)	1:B:39:LYS:HG3	1:A:67:LYS:HG2	20	18.53	0.72	18.68
(1,611)	1:B:39:LYS:HG3	1:B:67:LYS:HG2	20	18.53	0.72	18.68
(1,441)	1:A:68:ASP:HA	1:A:43:GLU:HG2	20	18.5	0.45	18.58
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG2	20	18.5	0.45	18.58
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG3	20	18.5	0.45	18.58
(1,441)	1:B:68:ASP:HA	1:A:43:GLU:HG2	20	18.5	0.45	18.58
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG2	20	18.5	0.45	18.58
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG3	20	18.5	0.45	18.58
(1,606)	1:A:39:LYS:HD2	1:A:67:LYS:HG3	20	18.5	0.71	18.52
(1,606)	1:A:39:LYS:HD2	1:B:67:LYS:HG3	20	18.5	0.71	18.52
(1,606)	1:B:39:LYS:HD2	1:A:67:LYS:HG3	20	18.5	0.71	18.52
(1,606)	1:B:39:LYS:HD2	1:B:67:LYS:HG3	20	18.5	0.71	18.52
(1,606)	1:B:39:LYS:HD3	1:A:67:LYS:HG3	20	18.5	0.71	18.52
(1,606)	1:B:39:LYS:HD3	1:B:67:LYS:HG3	20	18.5	0.71	18.52
(1,677)	1:A:39:LYS:HG3	1:A:67:LYS:HG3	20	18.41	0.75	18.47
(1,677)	1:A:39:LYS:HG3	1:B:67:LYS:HG3	20	18.41	0.75	18.47
(1,677)	1:B:39:LYS:HG3	1:A:67:LYS:HG3	20	18.41	0.75	18.47
(1,677)	1:B:39:LYS:HG3	1:B:67:LYS:HG3	20	18.41	0.75	18.47

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,297)	1:A:70:SER:H	1:A:45:ARG:HG3	20	17.99	0.51	17.98
(1,297)	1:A:70:SER:H	1:B:45:ARG:HG3	20	17.99	0.51	17.98
(1,297)	1:B:70:SER:H	1:A:45:ARG:HG3	20	17.99	0.51	17.98
(1,297)	1:B:70:SER:H	1:B:45:ARG:HG3	20	17.99	0.51	17.98
(1,429)	1:A:69:SER:HA	1:A:44:LYS:HD2	20	17.73	0.58	17.86
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD2	20	17.73	0.58	17.86
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD3	20	17.73	0.58	17.86
(1,429)	1:B:69:SER:HA	1:A:44:LYS:HD2	20	17.73	0.58	17.86
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD2	20	17.73	0.58	17.86
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD3	20	17.73	0.58	17.86
(1,336)	1:A:66:LYS:H	1:A:43:GLU:HG2	20	17.62	0.35	17.76
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG2	20	17.62	0.35	17.76
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG3	20	17.62	0.35	17.76
(1,336)	1:B:66:LYS:H	1:A:43:GLU:HG2	20	17.62	0.35	17.76
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG2	20	17.62	0.35	17.76
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG3	20	17.62	0.35	17.76
(1,612)	1:A:41:ILE:HG12	1:A:67:LYS:HG2	20	17.52	0.55	17.64
(1,612)	1:A:41:ILE:HG12	1:B:67:LYS:HG2	20	17.52	0.55	17.64
(1,612)	1:B:41:ILE:HG12	1:A:67:LYS:HG2	20	17.52	0.55	17.64
(1,612)	1:B:41:ILE:HG12	1:B:67:LYS:HG2	20	17.52	0.55	17.64
(1,525)	1:A:44:LYS:HE2	1:A:70:SER:H	20	17.51	0.48	17.53
(1,525)	1:A:44:LYS:HE2	1:B:70:SER:H	20	17.51	0.48	17.53
(1,525)	1:B:44:LYS:HE2	1:A:70:SER:H	20	17.51	0.48	17.53
(1,525)	1:B:44:LYS:HE2	1:B:70:SER:H	20	17.51	0.48	17.53
(1,525)	1:B:44:LYS:HE3	1:A:70:SER:H	20	17.51	0.48	17.53
(1,525)	1:B:44:LYS:HE3	1:B:70:SER:H	20	17.51	0.48	17.53
(1,42)	1:A:43:GLU:HG2	1:A:69:SER:H	20	17.45	0.4	17.53
(1,42)	1:A:43:GLU:HG2	1:B:69:SER:H	20	17.45	0.4	17.53
(1,42)	1:B:43:GLU:HG2	1:A:69:SER:H	20	17.45	0.4	17.53
(1,42)	1:B:43:GLU:HG2	1:B:69:SER:H	20	17.45	0.4	17.53
(1,42)	1:B:43:GLU:HG3	1:A:69:SER:H	20	17.45	0.4	17.53
(1,42)	1:B:43:GLU:HG3	1:B:69:SER:H	20	17.45	0.4	17.53
(1,697)	1:A:70:SER:HA	1:A:45:ARG:HG2	20	17.4	0.62	17.38
(1,697)	1:A:70:SER:HA	1:B:45:ARG:HG2	20	17.4	0.62	17.38
(1,697)	1:B:70:SER:HA	1:A:45:ARG:HG2	20	17.4	0.62	17.38
(1,697)	1:B:70:SER:HA	1:B:45:ARG:HG2	20	17.4	0.62	17.38
(1,303)	1:A:70:SER:H	1:A:45:ARG:HG2	20	17.39	0.57	17.42
(1,303)	1:A:70:SER:H	1:B:45:ARG:HG2	20	17.39	0.57	17.42
(1,303)	1:B:70:SER:H	1:A:45:ARG:HG2	20	17.39	0.57	17.42
(1,303)	1:B:70:SER:H	1:B:45:ARG:HG2	20	17.39	0.57	17.42
(1,595)	1:A:39:LYS:HG3	1:A:67:LYS:HB2	20	17.35	0.65	17.45
(1,595)	1:A:39:LYS:HG3	1:B:67:LYS:HB2	20	17.35	0.65	17.45

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,595)	1:B:39:LYS:HG3	1:A:67:LYS:HB2	20	17.35	0.65	17.45
(1,595)	1:B:39:LYS:HG3	1:B:67:LYS:HB2	20	17.35	0.65	17.45
(1,426)	1:A:70:SER:HA	1:A:45:ARG:HG3	20	17.33	0.56	17.26
(1,426)	1:A:70:SER:HA	1:B:45:ARG:HG3	20	17.33	0.56	17.26
(1,426)	1:B:70:SER:HA	1:A:45:ARG:HG3	20	17.33	0.56	17.26
(1,426)	1:B:70:SER:HA	1:B:45:ARG:HG3	20	17.33	0.56	17.26
(1,599)	1:A:69:SER:HB2	1:A:44:LYS:HE2	20	17.24	0.38	17.18
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE2	20	17.24	0.38	17.18
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE3	20	17.24	0.38	17.18
(1,599)	1:A:69:SER:HB3	1:A:44:LYS:HE2	20	17.24	0.38	17.18
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE2	20	17.24	0.38	17.18
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE3	20	17.24	0.38	17.18
(1,599)	1:B:69:SER:HB2	1:A:44:LYS:HE2	20	17.24	0.38	17.18
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE2	20	17.24	0.38	17.18
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE3	20	17.24	0.38	17.18
(1,599)	1:B:69:SER:HB3	1:A:44:LYS:HE2	20	17.24	0.38	17.18
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE2	20	17.24	0.38	17.18
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE3	20	17.24	0.38	17.18
(1,457)	1:A:69:SER:HA	1:A:44:LYS:HE2	20	17.19	0.47	17.19
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE2	20	17.19	0.47	17.19
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE3	20	17.19	0.47	17.19
(1,457)	1:B:69:SER:HA	1:A:44:LYS:HE2	20	17.19	0.47	17.19
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE2	20	17.19	0.47	17.19
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE3	20	17.19	0.47	17.19
(1,518)	1:A:68:ASP:H	1:A:43:GLU:HG2	20	17.11	0.45	17.17
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG2	20	17.11	0.45	17.17
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG3	20	17.11	0.45	17.17
(1,518)	1:B:68:ASP:H	1:A:43:GLU:HG2	20	17.11	0.45	17.17
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG2	20	17.11	0.45	17.17
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG3	20	17.11	0.45	17.17
(1,477)	1:A:66:LYS:HA	1:A:45:ARG:HD2	20	17.11	0.49	17.16
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD2	20	17.11	0.49	17.16
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD3	20	17.11	0.49	17.16
(1,477)	1:B:66:LYS:HA	1:A:45:ARG:HD2	20	17.11	0.49	17.16
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD2	20	17.11	0.49	17.16
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD3	20	17.11	0.49	17.16
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD11	20	16.95	0.63	16.98
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD12	20	16.95	0.63	16.98
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD13	20	16.95	0.63	16.98
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD11	20	16.95	0.63	16.98
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD12	20	16.95	0.63	16.98
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD13	20	16.95	0.63	16.98

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD11	20	16.95	0.63	16.98
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD12	20	16.95	0.63	16.98
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD13	20	16.95	0.63	16.98
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD11	20	16.95	0.63	16.98
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD12	20	16.95	0.63	16.98
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD13	20	16.95	0.63	16.98
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD11	20	16.95	0.63	16.98
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD12	20	16.95	0.63	16.98
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD13	20	16.95	0.63	16.98
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD11	20	16.95	0.63	16.98
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD12	20	16.95	0.63	16.98
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD13	20	16.95	0.63	16.98
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD21	20	16.92	0.78	16.97
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD22	20	16.92	0.78	16.97
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD23	20	16.92	0.78	16.97
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD21	20	16.92	0.78	16.97
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD22	20	16.92	0.78	16.97
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD23	20	16.92	0.78	16.97
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD21	20	16.92	0.78	16.97
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD22	20	16.92	0.78	16.97
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD23	20	16.92	0.78	16.97
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD21	20	16.92	0.78	16.97
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD22	20	16.92	0.78	16.97
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD23	20	16.92	0.78	16.97
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD21	20	16.92	0.78	16.97
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD22	20	16.92	0.78	16.97
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD23	20	16.92	0.78	16.97
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD21	20	16.92	0.78	16.97
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD22	20	16.92	0.78	16.97
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD23	20	16.92	0.78	16.97
(1,465)	1:A:61:ILE:HA	1:A:36:LYS:HE2	20	16.9	2.24	16.56
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE2	20	16.9	2.24	16.56
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE3	20	16.9	2.24	16.56
(1,465)	1:B:61:ILE:HA	1:A:36:LYS:HE2	20	16.9	2.24	16.56
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE2	20	16.9	2.24	16.56
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE3	20	16.9	2.24	16.56
(1,17)	1:A:95:GLN:H	1:A:71:ARG:H	20	16.84	0.33	16.84
(1,17)	1:A:95:GLN:H	1:B:71:ARG:H	20	16.84	0.33	16.84
(1,17)	1:B:95:GLN:H	1:A:71:ARG:H	20	16.84	0.33	16.84
(1,17)	1:B:95:GLN:H	1:B:71:ARG:H	20	16.84	0.33	16.84
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD21	20	16.69	0.72	16.82
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD22	20	16.69	0.72	16.82

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD23	20	16.69	0.72	16.82
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD21	20	16.69	0.72	16.82
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD22	20	16.69	0.72	16.82
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD23	20	16.69	0.72	16.82
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD21	20	16.69	0.72	16.82
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD22	20	16.69	0.72	16.82
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD23	20	16.69	0.72	16.82
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD21	20	16.69	0.72	16.82
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD22	20	16.69	0.72	16.82
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD23	20	16.69	0.72	16.82
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD21	20	16.69	0.72	16.82
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD22	20	16.69	0.72	16.82
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD23	20	16.69	0.72	16.82
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD21	20	16.69	0.72	16.82
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD22	20	16.69	0.72	16.82
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD23	20	16.69	0.72	16.82
(1,22)	1:A:64:ALA:H	1:A:43:GLU:HG2	20	16.67	0.26	16.7
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG2	20	16.67	0.26	16.7
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG3	20	16.67	0.26	16.7
(1,22)	1:B:64:ALA:H	1:A:43:GLU:HG2	20	16.67	0.26	16.7
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG2	20	16.67	0.26	16.7
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG3	20	16.67	0.26	16.7
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD21	20	16.66	0.77	17.02
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD22	20	16.66	0.77	17.02
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD23	20	16.66	0.77	17.02
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD21	20	16.66	0.77	17.02
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD22	20	16.66	0.77	17.02
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD23	20	16.66	0.77	17.02
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD21	20	16.66	0.77	17.02
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD22	20	16.66	0.77	17.02
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD23	20	16.66	0.77	17.02
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD21	20	16.66	0.77	17.02
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD22	20	16.66	0.77	17.02
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD23	20	16.66	0.77	17.02
(1,474)	1:A:67:LYS:HA	1:A:45:ARG:HD2	20	16.46	0.59	16.3
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD2	20	16.46	0.59	16.3
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD3	20	16.46	0.59	16.3
(1,474)	1:B:67:LYS:HA	1:A:45:ARG:HD2	20	16.46	0.59	16.3
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD2	20	16.46	0.59	16.3
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD3	20	16.46	0.59	16.3
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD21	20	16.01	0.76	16.23
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD22	20	16.01	0.76	16.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD23	20	16.01	0.76	16.23
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD21	20	16.01	0.76	16.23
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD22	20	16.01	0.76	16.23
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD23	20	16.01	0.76	16.23
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD21	20	16.01	0.76	16.23
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD22	20	16.01	0.76	16.23
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD23	20	16.01	0.76	16.23
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD21	20	16.01	0.76	16.23
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD22	20	16.01	0.76	16.23
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD23	20	16.01	0.76	16.23
(1,330)	1:A:93:ARG:HB3	1:A:71:ARG:H	20	15.79	0.3	15.73
(1,330)	1:A:93:ARG:HB3	1:B:71:ARG:H	20	15.79	0.3	15.73
(1,330)	1:B:93:ARG:HB3	1:A:71:ARG:H	20	15.79	0.3	15.73
(1,330)	1:B:93:ARG:HB3	1:B:71:ARG:H	20	15.79	0.3	15.73
(1,579)	1:A:61:ILE:HB	1:A:36:LYS:HE2	20	15.72	2.25	15.42
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE2	20	15.72	2.25	15.42
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE3	20	15.72	2.25	15.42
(1,579)	1:B:61:ILE:HB	1:A:36:LYS:HE2	20	15.72	2.25	15.42
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE2	20	15.72	2.25	15.42
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE3	20	15.72	2.25	15.42
(1,347)	1:A:67:LYS:H	1:A:45:ARG:HD2	20	15.66	0.52	15.68
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD2	20	15.66	0.52	15.68
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD3	20	15.66	0.52	15.68
(1,347)	1:B:67:LYS:H	1:A:45:ARG:HD2	20	15.66	0.52	15.68
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD2	20	15.66	0.52	15.68
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD3	20	15.66	0.52	15.68
(1,40)	1:A:69:SER:H	1:A:45:ARG:HD2	20	15.62	0.63	15.7
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD2	20	15.62	0.63	15.7
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD3	20	15.62	0.63	15.7
(1,40)	1:B:69:SER:H	1:A:45:ARG:HD2	20	15.62	0.63	15.7
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD2	20	15.62	0.63	15.7
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD3	20	15.62	0.63	15.7
(1,589)	1:A:68:ASP:HB2	1:A:43:GLU:HG2	20	15.61	0.51	15.64
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG2	20	15.61	0.51	15.64
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG3	20	15.61	0.51	15.64
(1,589)	1:A:68:ASP:HB3	1:A:43:GLU:HG2	20	15.61	0.51	15.64
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG2	20	15.61	0.51	15.64
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG3	20	15.61	0.51	15.64
(1,589)	1:B:68:ASP:HB2	1:A:43:GLU:HG2	20	15.61	0.51	15.64
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG2	20	15.61	0.51	15.64
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG3	20	15.61	0.51	15.64
(1,589)	1:B:68:ASP:HB3	1:A:43:GLU:HG2	20	15.61	0.51	15.64

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG2	20	15.61	0.51	15.64
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG3	20	15.61	0.51	15.64
(1,47)	1:A:43:GLU:HG2	1:A:70:SER:H	20	15.56	0.45	15.62
(1,47)	1:A:43:GLU:HG2	1:B:70:SER:H	20	15.56	0.45	15.62
(1,47)	1:B:43:GLU:HG2	1:A:70:SER:H	20	15.56	0.45	15.62
(1,47)	1:B:43:GLU:HG2	1:B:70:SER:H	20	15.56	0.45	15.62
(1,47)	1:B:43:GLU:HG3	1:A:70:SER:H	20	15.56	0.45	15.62
(1,47)	1:B:43:GLU:HG3	1:B:70:SER:H	20	15.56	0.45	15.62
(1,500)	1:A:70:SER:H	1:A:45:ARG:HD2	20	15.4	0.73	15.38
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD2	20	15.4	0.73	15.38
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD3	20	15.4	0.73	15.38
(1,500)	1:B:70:SER:H	1:A:45:ARG:HD2	20	15.4	0.73	15.38
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD2	20	15.4	0.73	15.38
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD3	20	15.4	0.73	15.38
(1,863)	1:A:95:GLN:HB2	1:A:71:ARG:H	20	15.19	0.64	15.36
(1,863)	1:A:95:GLN:HB2	1:B:71:ARG:H	20	15.19	0.64	15.36
(1,863)	1:A:95:GLN:HB3	1:A:71:ARG:H	20	15.19	0.64	15.36
(1,863)	1:A:95:GLN:HB3	1:B:71:ARG:H	20	15.19	0.64	15.36
(1,863)	1:B:95:GLN:HB2	1:A:71:ARG:H	20	15.19	0.64	15.36
(1,863)	1:B:95:GLN:HB2	1:B:71:ARG:H	20	15.19	0.64	15.36
(1,863)	1:B:95:GLN:HB3	1:A:71:ARG:H	20	15.19	0.64	15.36
(1,863)	1:B:95:GLN:HB3	1:B:71:ARG:H	20	15.19	0.64	15.36
(1,515)	1:A:36:LYS:HE2	1:A:62:LEU:H	20	14.91	2.22	14.53
(1,515)	1:A:36:LYS:HE2	1:B:62:LEU:H	20	14.91	2.22	14.53
(1,515)	1:B:36:LYS:HE2	1:A:62:LEU:H	20	14.91	2.22	14.53
(1,515)	1:B:36:LYS:HE2	1:B:62:LEU:H	20	14.91	2.22	14.53
(1,515)	1:B:36:LYS:HE3	1:A:62:LEU:H	20	14.91	2.22	14.53
(1,515)	1:B:36:LYS:HE3	1:B:62:LEU:H	20	14.91	2.22	14.53
(1,604)	1:A:61:ILE:HD11	1:A:36:LYS:HE2	20	14.84	1.89	14.58
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE2	20	14.84	1.89	14.58
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE3	20	14.84	1.89	14.58
(1,604)	1:A:61:ILE:HD12	1:A:36:LYS:HE2	20	14.84	1.89	14.58
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE2	20	14.84	1.89	14.58
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE3	20	14.84	1.89	14.58
(1,604)	1:A:61:ILE:HD13	1:A:36:LYS:HE2	20	14.84	1.89	14.58
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE2	20	14.84	1.89	14.58
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE3	20	14.84	1.89	14.58
(1,604)	1:B:61:ILE:HD11	1:A:36:LYS:HE2	20	14.84	1.89	14.58
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE2	20	14.84	1.89	14.58
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE3	20	14.84	1.89	14.58
(1,604)	1:B:61:ILE:HD12	1:A:36:LYS:HE2	20	14.84	1.89	14.58
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE2	20	14.84	1.89	14.58

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE3	20	14.84	1.89	14.58
(1,604)	1:B:61:ILE:HD13	1:A:36:LYS:HE2	20	14.84	1.89	14.58
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE2	20	14.84	1.89	14.58
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE3	20	14.84	1.89	14.58
(1,453)	1:A:67:LYS:HG2	1:A:45:ARG:HD2	20	14.67	0.6	14.69
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD2	20	14.67	0.6	14.69
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD3	20	14.67	0.6	14.69
(1,453)	1:B:67:LYS:HG2	1:A:45:ARG:HD2	20	14.67	0.6	14.69
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD2	20	14.67	0.6	14.69
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD3	20	14.67	0.6	14.69
(1,468)	1:A:70:SER:HA	1:A:45:ARG:HD2	20	14.34	0.78	14.22
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD2	20	14.34	0.78	14.22
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD3	20	14.34	0.78	14.22
(1,468)	1:B:70:SER:HA	1:A:45:ARG:HD2	20	14.34	0.78	14.22
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD2	20	14.34	0.78	14.22
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD3	20	14.34	0.78	14.22
(1,352)	1:A:93:ARG:HA	1:A:72:HIS:H	20	14.2	0.3	14.24
(1,352)	1:A:93:ARG:HA	1:B:72:HIS:H	20	14.2	0.3	14.24
(1,352)	1:B:93:ARG:HA	1:A:72:HIS:H	20	14.2	0.3	14.24
(1,352)	1:B:93:ARG:HA	1:B:72:HIS:H	20	14.2	0.3	14.24
(1,393)	1:A:93:ARG:H	1:A:71:ARG:H	20	14.0	0.28	13.96
(1,393)	1:A:93:ARG:H	1:B:71:ARG:H	20	14.0	0.28	13.96
(1,393)	1:B:93:ARG:H	1:A:71:ARG:H	20	14.0	0.28	13.96
(1,393)	1:B:93:ARG:H	1:B:71:ARG:H	20	14.0	0.28	13.96
(1,775)	1:A:67:LYS:HG3	1:A:45:ARG:HD2	20	13.68	0.61	13.67
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD2	20	13.68	0.61	13.67
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD3	20	13.68	0.61	13.67
(1,775)	1:B:67:LYS:HG3	1:A:45:ARG:HD2	20	13.68	0.61	13.67
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD2	20	13.68	0.61	13.67
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD3	20	13.68	0.61	13.67
(1,103)	1:A:93:ARG:H	1:A:72:HIS:H	20	13.41	0.3	13.42
(1,103)	1:A:93:ARG:H	1:B:72:HIS:H	20	13.41	0.3	13.42
(1,103)	1:B:93:ARG:H	1:A:72:HIS:H	20	13.41	0.3	13.42
(1,103)	1:B:93:ARG:H	1:B:72:HIS:H	20	13.41	0.3	13.42
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB2	20	13.41	0.28	13.42
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB3	20	13.41	0.28	13.42
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB2	20	13.41	0.28	13.42
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB3	20	13.41	0.28	13.42
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB2	20	13.41	0.28	13.42
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB3	20	13.41	0.28	13.42
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB2	20	13.41	0.28	13.42
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB3	20	13.41	0.28	13.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,422)	1:A:70:SER:HB2	1:A:45:ARG:HD2	20	13.23	0.77	13.3
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD2	20	13.23	0.77	13.3
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD3	20	13.23	0.77	13.3
(1,422)	1:A:70:SER:HB3	1:A:45:ARG:HD2	20	13.23	0.77	13.3
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD2	20	13.23	0.77	13.3
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD3	20	13.23	0.77	13.3
(1,422)	1:B:70:SER:HB2	1:A:45:ARG:HD2	20	13.23	0.77	13.3
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD2	20	13.23	0.77	13.3
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD3	20	13.23	0.77	13.3
(1,422)	1:B:70:SER:HB3	1:A:45:ARG:HD2	20	13.23	0.77	13.3
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD2	20	13.23	0.77	13.3
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD3	20	13.23	0.77	13.3
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB2	20	12.68	0.48	12.59
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB3	20	12.68	0.48	12.59
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB2	20	12.68	0.48	12.59
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB3	20	12.68	0.48	12.59
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB2	20	12.68	0.48	12.59
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB3	20	12.68	0.48	12.59
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB2	20	12.68	0.48	12.59
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB3	20	12.68	0.48	12.59
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG2	20	12.54	0.35	12.48
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG3	20	12.54	0.35	12.48
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG2	20	12.54	0.35	12.48
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG3	20	12.54	0.35	12.48
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG2	20	12.54	0.35	12.48
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG3	20	12.54	0.35	12.48
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG2	20	12.54	0.35	12.48
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG3	20	12.54	0.35	12.48
(1,51)	1:A:43:GLU:HG2	1:A:72:HIS:H	20	12.54	0.42	12.62
(1,51)	1:A:43:GLU:HG2	1:B:72:HIS:H	20	12.54	0.42	12.62
(1,51)	1:B:43:GLU:HG2	1:A:72:HIS:H	20	12.54	0.42	12.62
(1,51)	1:B:43:GLU:HG2	1:B:72:HIS:H	20	12.54	0.42	12.62
(1,51)	1:B:43:GLU:HG3	1:A:72:HIS:H	20	12.54	0.42	12.62
(1,51)	1:B:43:GLU:HG3	1:B:72:HIS:H	20	12.54	0.42	12.62
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG2	20	12.4	0.36	12.36
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG3	20	12.4	0.36	12.36
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG2	20	12.4	0.36	12.36
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG3	20	12.4	0.36	12.36
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG2	20	12.4	0.36	12.36
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG3	20	12.4	0.36	12.36
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG2	20	12.4	0.36	12.36
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG3	20	12.4	0.36	12.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG2	20	12.23	0.35	12.18
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG3	20	12.23	0.35	12.18
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG2	20	12.23	0.35	12.18
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG3	20	12.23	0.35	12.18
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG2	20	12.23	0.35	12.18
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG3	20	12.23	0.35	12.18
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG2	20	12.23	0.35	12.18
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG3	20	12.23	0.35	12.18
(1,613)	1:A:61:ILE:HG12	1:A:36:LYS:HE2	20	11.9	1.78	11.66
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE2	20	11.9	1.78	11.66
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE3	20	11.9	1.78	11.66
(1,613)	1:A:61:ILE:HG13	1:A:36:LYS:HE2	20	11.9	1.78	11.66
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE2	20	11.9	1.78	11.66
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE3	20	11.9	1.78	11.66
(1,613)	1:A:61:ILE:HG21	1:A:36:LYS:HE2	20	11.9	1.78	11.66
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE2	20	11.9	1.78	11.66
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE3	20	11.9	1.78	11.66
(1,613)	1:A:61:ILE:HG22	1:A:36:LYS:HE2	20	11.9	1.78	11.66
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE2	20	11.9	1.78	11.66
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE3	20	11.9	1.78	11.66
(1,613)	1:A:61:ILE:HG23	1:A:36:LYS:HE2	20	11.9	1.78	11.66
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE2	20	11.9	1.78	11.66
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	20	11.9	1.78	11.66
(1,613)	1:B:61:ILE:HG12	1:A:36:LYS:HE2	20	11.9	1.78	11.66
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE2	20	11.9	1.78	11.66
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE3	20	11.9	1.78	11.66
(1,613)	1:B:61:ILE:HG13	1:A:36:LYS:HE2	20	11.9	1.78	11.66
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE2	20	11.9	1.78	11.66
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE3	20	11.9	1.78	11.66
(1,613)	1:B:61:ILE:HG21	1:A:36:LYS:HE2	20	11.9	1.78	11.66
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE2	20	11.9	1.78	11.66
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE3	20	11.9	1.78	11.66
(1,613)	1:B:61:ILE:HG22	1:A:36:LYS:HE2	20	11.9	1.78	11.66
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE2	20	11.9	1.78	11.66
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE3	20	11.9	1.78	11.66
(1,613)	1:B:61:ILE:HG23	1:A:36:LYS:HE2	20	11.9	1.78	11.66
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE2	20	11.9	1.78	11.66
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE3	20	11.9	1.78	11.66
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG2	20	11.89	0.37	11.78
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG3	20	11.89	0.37	11.78
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG2	20	11.89	0.37	11.78
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG3	20	11.89	0.37	11.78

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG2	20	11.89	0.37	11.78
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG3	20	11.89	0.37	11.78
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG2	20	11.89	0.37	11.78
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG3	20	11.89	0.37	11.78
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD2	20	11.49	0.36	11.48
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD3	20	11.49	0.36	11.48
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD2	20	11.49	0.36	11.48
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD3	20	11.49	0.36	11.48
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD2	20	11.49	0.36	11.48
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD3	20	11.49	0.36	11.48
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD2	20	11.49	0.36	11.48
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD3	20	11.49	0.36	11.48
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB2	20	11.34	0.26	11.36
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB3	20	11.34	0.26	11.36
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB2	20	11.34	0.26	11.36
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB3	20	11.34	0.26	11.36
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB2	20	11.34	0.26	11.36
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB3	20	11.34	0.26	11.36
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB2	20	11.34	0.26	11.36
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB3	20	11.34	0.26	11.36
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG2	20	11.32	0.34	11.28
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG3	20	11.32	0.34	11.28
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG2	20	11.32	0.34	11.28
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG3	20	11.32	0.34	11.28
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG2	20	11.32	0.34	11.28
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG3	20	11.32	0.34	11.28
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG2	20	11.32	0.34	11.28
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG3	20	11.32	0.34	11.28
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD1	20	11.18	0.35	11.22
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD2	20	11.18	0.35	11.22
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD1	20	11.18	0.35	11.22
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD2	20	11.18	0.35	11.22
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD1	20	11.18	0.35	11.22
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD2	20	11.18	0.35	11.22
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD1	20	11.18	0.35	11.22
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD2	20	11.18	0.35	11.22
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD1	20	11.18	0.35	11.22
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD2	20	11.18	0.35	11.22
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD1	20	11.18	0.35	11.22
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD2	20	11.18	0.35	11.22
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG2	20	11.08	0.35	11.03
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG3	20	11.08	0.35	11.03

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG2	20	11.08	0.35	11.03
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG3	20	11.08	0.35	11.03
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG2	20	11.08	0.35	11.03
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG3	20	11.08	0.35	11.03
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG2	20	11.08	0.35	11.03
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG3	20	11.08	0.35	11.03
(1,56)	1:A:73:SER:H	1:A:51:ASN:HD22	20	10.77	0.63	10.95
(1,56)	1:A:73:SER:H	1:B:51:ASN:HD22	20	10.77	0.63	10.95
(1,56)	1:B:73:SER:H	1:A:51:ASN:HD22	20	10.77	0.63	10.95
(1,56)	1:B:73:SER:H	1:B:51:ASN:HD22	20	10.77	0.63	10.95
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD2	20	10.48	0.37	10.41
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD3	20	10.48	0.37	10.41
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD2	20	10.48	0.37	10.41
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD3	20	10.48	0.37	10.41
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD2	20	10.48	0.37	10.41
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD3	20	10.48	0.37	10.41
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD2	20	10.48	0.37	10.41
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD3	20	10.48	0.37	10.41
(1,217)	1:A:73:SER:HA	1:A:51:ASN:HD21	20	10.35	0.6	10.44
(1,217)	1:A:73:SER:HA	1:B:51:ASN:HD21	20	10.35	0.6	10.44
(1,217)	1:B:73:SER:HA	1:A:51:ASN:HD21	20	10.35	0.6	10.44
(1,217)	1:B:73:SER:HA	1:B:51:ASN:HD21	20	10.35	0.6	10.44
(1,227)	1:A:73:SER:HA	1:A:51:ASN:HD22	20	10.06	0.59	10.18
(1,227)	1:A:73:SER:HA	1:B:51:ASN:HD22	20	10.06	0.59	10.18
(1,227)	1:B:73:SER:HA	1:A:51:ASN:HD22	20	10.06	0.59	10.18
(1,227)	1:B:73:SER:HA	1:B:51:ASN:HD22	20	10.06	0.59	10.18
(1,220)	1:A:73:SER:HB2	1:A:51:ASN:HD21	20	9.87	0.69	10.04
(1,220)	1:A:73:SER:HB2	1:B:51:ASN:HD21	20	9.87	0.69	10.04
(1,220)	1:A:73:SER:HB3	1:A:51:ASN:HD21	20	9.87	0.69	10.04
(1,220)	1:A:73:SER:HB3	1:B:51:ASN:HD21	20	9.87	0.69	10.04
(1,220)	1:B:73:SER:HB2	1:A:51:ASN:HD21	20	9.87	0.69	10.04
(1,220)	1:B:73:SER:HB2	1:B:51:ASN:HD21	20	9.87	0.69	10.04
(1,220)	1:B:73:SER:HB3	1:A:51:ASN:HD21	20	9.87	0.69	10.04
(1,220)	1:B:73:SER:HB3	1:B:51:ASN:HD21	20	9.87	0.69	10.04
(1,219)	1:A:72:HIS:HB2	1:A:51:ASN:HD21	20	9.73	0.22	9.73
(1,219)	1:A:72:HIS:HB2	1:B:51:ASN:HD21	20	9.73	0.22	9.73
(1,219)	1:A:72:HIS:HB3	1:A:51:ASN:HD21	20	9.73	0.22	9.73
(1,219)	1:A:72:HIS:HB3	1:B:51:ASN:HD21	20	9.73	0.22	9.73
(1,219)	1:B:72:HIS:HB2	1:A:51:ASN:HD21	20	9.73	0.22	9.73
(1,219)	1:B:72:HIS:HB2	1:B:51:ASN:HD21	20	9.73	0.22	9.73
(1,219)	1:B:72:HIS:HB3	1:A:51:ASN:HD21	20	9.73	0.22	9.73
(1,219)	1:B:72:HIS:HB3	1:B:51:ASN:HD21	20	9.73	0.22	9.73

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,542)	1:A:72:HIS:HB2	1:A:51:ASN:HD22	20	9.72	0.24	9.73
(1,542)	1:A:72:HIS:HB2	1:B:51:ASN:HD22	20	9.72	0.24	9.73
(1,542)	1:A:72:HIS:HB3	1:A:51:ASN:HD22	20	9.72	0.24	9.73
(1,542)	1:A:72:HIS:HB3	1:B:51:ASN:HD22	20	9.72	0.24	9.73
(1,542)	1:B:72:HIS:HB2	1:A:51:ASN:HD22	20	9.72	0.24	9.73
(1,542)	1:B:72:HIS:HB2	1:B:51:ASN:HD22	20	9.72	0.24	9.73
(1,542)	1:B:72:HIS:HB3	1:A:51:ASN:HD22	20	9.72	0.24	9.73
(1,542)	1:B:72:HIS:HB3	1:B:51:ASN:HD22	20	9.72	0.24	9.73
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB2	20	9.34	0.3	9.34
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB3	20	9.34	0.3	9.34
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB2	20	9.34	0.3	9.34
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB3	20	9.34	0.3	9.34
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB2	20	9.34	0.3	9.34
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB3	20	9.34	0.3	9.34
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB2	20	9.34	0.3	9.34
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB3	20	9.34	0.3	9.34
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB2	20	9.34	0.3	9.34
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB3	20	9.34	0.3	9.34
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB2	20	9.34	0.3	9.34
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB3	20	9.34	0.3	9.34
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB2	20	9.34	0.3	9.34
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB3	20	9.34	0.3	9.34
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB2	20	9.34	0.3	9.34
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB3	20	9.34	0.3	9.34
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB2	20	9.34	0.3	9.34
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB3	20	9.34	0.3	9.34
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB2	20	9.34	0.3	9.34
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB3	20	9.34	0.3	9.34
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB2	20	9.34	0.3	9.34
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB3	20	9.34	0.3	9.34
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB2	20	9.34	0.3	9.34
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB3	20	9.34	0.3	9.34
(1,494)	1:A:72:HIS:HD1	1:A:51:ASN:HD22	20	9.11	0.27	9.13
(1,494)	1:A:72:HIS:HD1	1:B:51:ASN:HD22	20	9.11	0.27	9.13
(1,494)	1:A:72:HIS:HD2	1:A:51:ASN:HD22	20	9.11	0.27	9.13
(1,494)	1:A:72:HIS:HD2	1:B:51:ASN:HD22	20	9.11	0.27	9.13
(1,494)	1:B:72:HIS:HD1	1:A:51:ASN:HD22	20	9.11	0.27	9.13
(1,494)	1:B:72:HIS:HD1	1:B:51:ASN:HD22	20	9.11	0.27	9.13
(1,494)	1:B:72:HIS:HD2	1:A:51:ASN:HD22	20	9.11	0.27	9.13
(1,494)	1:B:72:HIS:HD2	1:B:51:ASN:HD22	20	9.11	0.27	9.13
(1,229)	1:A:73:SER:HB2	1:A:51:ASN:HD22	20	8.79	0.68	8.9
(1,229)	1:A:73:SER:HB2	1:B:51:ASN:HD22	20	8.79	0.68	8.9

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,229)	1:A:73:SER:HB3	1:A:51:ASN:HD22	20	8.79	0.68	8.9
(1,229)	1:A:73:SER:HB3	1:B:51:ASN:HD22	20	8.79	0.68	8.9
(1,229)	1:B:73:SER:HB2	1:A:51:ASN:HD22	20	8.79	0.68	8.9
(1,229)	1:B:73:SER:HB2	1:B:51:ASN:HD22	20	8.79	0.68	8.9
(1,229)	1:B:73:SER:HB3	1:A:51:ASN:HD22	20	8.79	0.68	8.9
(1,229)	1:B:73:SER:HB3	1:B:51:ASN:HD22	20	8.79	0.68	8.9
(1,755)	1:A:87:HIS:HD1	1:A:72:HIS:H	20	8.02	0.56	8.18
(1,755)	1:A:87:HIS:HD1	1:B:72:HIS:H	20	8.02	0.56	8.18
(1,755)	1:B:87:HIS:HD1	1:A:72:HIS:H	20	8.02	0.56	8.18
(1,755)	1:B:87:HIS:HD1	1:B:72:HIS:H	20	8.02	0.56	8.18
(1,283)	1:A:87:HIS:HD2	1:A:72:HIS:H	20	7.96	0.85	8.14
(1,283)	1:A:87:HIS:HD2	1:B:72:HIS:H	20	7.96	0.85	8.14
(1,283)	1:B:87:HIS:HD2	1:A:72:HIS:H	20	7.96	0.85	8.14
(1,283)	1:B:87:HIS:HD2	1:B:72:HIS:H	20	7.96	0.85	8.14
(1,218)	1:A:72:HIS:HD1	1:A:51:ASN:HD21	20	7.92	0.27	7.94
(1,218)	1:A:72:HIS:HD1	1:B:51:ASN:HD21	20	7.92	0.27	7.94
(1,218)	1:A:72:HIS:HD2	1:A:51:ASN:HD21	20	7.92	0.27	7.94
(1,218)	1:A:72:HIS:HD2	1:B:51:ASN:HD21	20	7.92	0.27	7.94
(1,218)	1:B:72:HIS:HD1	1:A:51:ASN:HD21	20	7.92	0.27	7.94
(1,218)	1:B:72:HIS:HD1	1:B:51:ASN:HD21	20	7.92	0.27	7.94
(1,218)	1:B:72:HIS:HD2	1:A:51:ASN:HD21	20	7.92	0.27	7.94
(1,218)	1:B:72:HIS:HD2	1:B:51:ASN:HD21	20	7.92	0.27	7.94
(1,309)	1:A:92:GLN:H	1:A:67:LYS:HD2	20	7.55	0.41	7.5
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD2	20	7.55	0.41	7.5
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD3	20	7.55	0.41	7.5
(1,309)	1:B:92:GLN:H	1:A:67:LYS:HD2	20	7.55	0.41	7.5
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD2	20	7.55	0.41	7.5
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD3	20	7.55	0.41	7.5
(1,839)	1:A:87:HIS:HD1	1:A:72:HIS:H	20	7.5	0.58	7.64
(1,839)	1:A:87:HIS:HD1	1:B:72:HIS:H	20	7.5	0.58	7.64
(1,839)	1:A:87:HIS:HD2	1:A:72:HIS:H	20	7.5	0.58	7.64
(1,839)	1:A:87:HIS:HD2	1:B:72:HIS:H	20	7.5	0.58	7.64
(1,839)	1:B:87:HIS:HD1	1:A:72:HIS:H	20	7.5	0.58	7.64
(1,839)	1:B:87:HIS:HD1	1:B:72:HIS:H	20	7.5	0.58	7.64
(1,839)	1:B:87:HIS:HD2	1:A:72:HIS:H	20	7.5	0.58	7.64
(1,839)	1:B:87:HIS:HD2	1:B:72:HIS:H	20	7.5	0.58	7.64
(1,401)	1:A:75:LEU:HB2	1:A:51:ASN:HD22	20	6.8	0.29	6.77
(1,401)	1:A:75:LEU:HB2	1:B:51:ASN:HD22	20	6.8	0.29	6.77
(1,401)	1:A:75:LEU:HB3	1:A:51:ASN:HD22	20	6.8	0.29	6.77
(1,401)	1:A:75:LEU:HB3	1:B:51:ASN:HD22	20	6.8	0.29	6.77
(1,401)	1:B:75:LEU:HB2	1:A:51:ASN:HD22	20	6.8	0.29	6.77
(1,401)	1:B:75:LEU:HB2	1:B:51:ASN:HD22	20	6.8	0.29	6.77

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,401)	1:B:75:LEU:HB3	1:A:51:ASN:HD22	20	6.8	0.29	6.77
(1,401)	1:B:75:LEU:HB3	1:B:51:ASN:HD22	20	6.8	0.29	6.77
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG2	20	6.78	0.41	6.84
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG3	20	6.78	0.41	6.84
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG2	20	6.78	0.41	6.84
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG3	20	6.78	0.41	6.84
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG2	20	6.78	0.41	6.84
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG3	20	6.78	0.41	6.84
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG2	20	6.78	0.41	6.84
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG3	20	6.78	0.41	6.84
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG2	20	6.78	0.41	6.84
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG3	20	6.78	0.41	6.84
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG2	20	6.78	0.41	6.84
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG3	20	6.78	0.41	6.84
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG2	20	6.78	0.41	6.84
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG3	20	6.78	0.41	6.84
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG2	20	6.78	0.41	6.84
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG3	20	6.78	0.41	6.84
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD2	20	6.57	0.34	6.48
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD3	20	6.57	0.34	6.48
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD2	20	6.57	0.34	6.48
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD3	20	6.57	0.34	6.48
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD2	20	6.57	0.34	6.48
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD3	20	6.57	0.34	6.48
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD2	20	6.57	0.34	6.48
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD3	20	6.57	0.34	6.48
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD2	20	6.57	0.34	6.48
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD3	20	6.57	0.34	6.48
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD2	20	6.57	0.34	6.48
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD3	20	6.57	0.34	6.48
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD2	20	6.57	0.34	6.48
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD3	20	6.57	0.34	6.48
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD2	20	6.57	0.34	6.48
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD3	20	6.57	0.34	6.48
(1,327)	1:A:90:ASN:H	1:A:66:LYS:HE2	20	6.56	0.37	6.57
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE2	20	6.56	0.37	6.57
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE3	20	6.56	0.37	6.57
(1,327)	1:B:90:ASN:H	1:A:66:LYS:HE2	20	6.56	0.37	6.57
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE2	20	6.56	0.37	6.57
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE3	20	6.56	0.37	6.57
(1,536)	1:A:89:ARG:H	1:A:66:LYS:HE2	20	6.49	0.33	6.52
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE2	20	6.49	0.33	6.52

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE3	20	6.49	0.33	6.52
(1,536)	1:B:89:ARG:H	1:A:66:LYS:HE2	20	6.49	0.33	6.52
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE2	20	6.49	0.33	6.52
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE3	20	6.49	0.33	6.52
(1,560)	1:A:91:LEU:HA	1:A:66:LYS:HE2	20	6.25	0.56	6.14
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE2	20	6.25	0.56	6.14
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE3	20	6.25	0.56	6.14
(1,560)	1:B:91:LEU:HA	1:A:66:LYS:HE2	20	6.25	0.56	6.14
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE2	20	6.25	0.56	6.14
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE3	20	6.25	0.56	6.14
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB2	20	6.25	0.44	6.3
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB3	20	6.25	0.44	6.3
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB2	20	6.25	0.44	6.3
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB3	20	6.25	0.44	6.3
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB2	20	6.25	0.44	6.3
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB3	20	6.25	0.44	6.3
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB2	20	6.25	0.44	6.3
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB3	20	6.25	0.44	6.3
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB2	20	6.25	0.44	6.3
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB3	20	6.25	0.44	6.3
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB2	20	6.25	0.44	6.3
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB3	20	6.25	0.44	6.3
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB2	20	6.25	0.44	6.3
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB3	20	6.25	0.44	6.3
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB2	20	6.25	0.44	6.3
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB3	20	6.25	0.44	6.3
(1,354)	1:A:76:GLU:HA	1:A:51:ASN:HD21	20	6.23	0.2	6.2
(1,354)	1:A:76:GLU:HA	1:B:51:ASN:HD21	20	6.23	0.2	6.2
(1,354)	1:B:76:GLU:HA	1:A:51:ASN:HD21	20	6.23	0.2	6.2
(1,354)	1:B:76:GLU:HA	1:B:51:ASN:HD21	20	6.23	0.2	6.2
(1,557)	1:A:89:ARG:HA	1:A:66:LYS:HE2	20	6.19	0.45	6.23
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE2	20	6.19	0.45	6.23
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE3	20	6.19	0.45	6.23
(1,557)	1:B:89:ARG:HA	1:A:66:LYS:HE2	20	6.19	0.45	6.23
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE2	20	6.19	0.45	6.23
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE3	20	6.19	0.45	6.23
(1,925)	1:A:69:SER:H	1:A:65:LEU:O	20	6.15	0.2	6.17
(1,925)	1:A:69:SER:H	1:B:65:LEU:O	20	6.15	0.2	6.17
(1,925)	1:B:69:SER:H	1:A:65:LEU:O	20	6.15	0.2	6.17
(1,925)	1:B:69:SER:H	1:B:65:LEU:O	20	6.15	0.2	6.17
(1,615)	1:A:91:LEU:HG	1:A:66:LYS:HE2	20	6.1	0.51	6.03
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE2	20	6.1	0.51	6.03

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE3	20	6.1	0.51	6.03
(1,615)	1:B:91:LEU:HG	1:A:66:LYS:HE2	20	6.1	0.51	6.03
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE2	20	6.1	0.51	6.03
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE3	20	6.1	0.51	6.03
(1,399)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	20	6.06	0.13	6.04
(1,399)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	20	6.06	0.13	6.04
(1,399)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	20	6.06	0.13	6.04
(1,399)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	20	6.06	0.13	6.04
(1,537)	1:A:91:LEU:H	1:A:66:LYS:HE2	20	6.01	0.45	5.96
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE2	20	6.01	0.45	5.96
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE3	20	6.01	0.45	5.96
(1,537)	1:B:91:LEU:H	1:A:66:LYS:HE2	20	6.01	0.45	5.96
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE2	20	6.01	0.45	5.96
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE3	20	6.01	0.45	5.96
(1,725)	1:A:75:LEU:HA	1:A:50:ILE:HG21	20	5.99	0.14	5.98
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG21	20	5.99	0.14	5.98
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG22	20	5.99	0.14	5.98
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG23	20	5.99	0.14	5.98
(1,725)	1:B:75:LEU:HA	1:A:50:ILE:HG21	20	5.99	0.14	5.98
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG21	20	5.99	0.14	5.98
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG22	20	5.99	0.14	5.98
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG23	20	5.99	0.14	5.98
(1,546)	1:A:88:LEU:HA	1:A:66:LYS:HE2	20	5.94	0.4	6.0
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE2	20	5.94	0.4	6.0
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE3	20	5.94	0.4	6.0
(1,546)	1:B:88:LEU:HA	1:A:66:LYS:HE2	20	5.94	0.4	6.0
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE2	20	5.94	0.4	6.0
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE3	20	5.94	0.4	6.0
(1,228)	1:A:76:GLU:HB2	1:A:51:ASN:HD22	20	5.83	0.11	5.81
(1,228)	1:A:76:GLU:HB2	1:B:51:ASN:HD22	20	5.83	0.11	5.81
(1,228)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	20	5.83	0.11	5.81
(1,228)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	20	5.83	0.11	5.81
(1,228)	1:B:76:GLU:HB2	1:A:51:ASN:HD22	20	5.83	0.11	5.81
(1,228)	1:B:76:GLU:HB2	1:B:51:ASN:HD22	20	5.83	0.11	5.81
(1,228)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	20	5.83	0.11	5.81
(1,228)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	20	5.83	0.11	5.81
(1,503)	1:A:65:LEU:HA	1:A:69:SER:H	20	5.81	0.17	5.8
(1,503)	1:A:65:LEU:HA	1:B:69:SER:H	20	5.81	0.17	5.8
(1,503)	1:B:65:LEU:HA	1:A:69:SER:H	20	5.81	0.17	5.8
(1,503)	1:B:65:LEU:HA	1:B:69:SER:H	20	5.81	0.17	5.8
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE21	20	5.81	0.17	5.75
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE22	20	5.81	0.17	5.75

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE21	20	5.81	0.17	5.75
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE22	20	5.81	0.17	5.75
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE21	20	5.81	0.17	5.75
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE22	20	5.81	0.17	5.75
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE21	20	5.81	0.17	5.75
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE22	20	5.81	0.17	5.75
(1,840)	1:A:87:HIS:HD1	1:A:72:HIS:HA	20	5.73	0.61	5.95
(1,840)	1:A:87:HIS:HD1	1:B:72:HIS:HA	20	5.73	0.61	5.95
(1,840)	1:A:87:HIS:HD2	1:A:72:HIS:HA	20	5.73	0.61	5.95
(1,840)	1:A:87:HIS:HD2	1:B:72:HIS:HA	20	5.73	0.61	5.95
(1,840)	1:B:87:HIS:HD1	1:A:72:HIS:HA	20	5.73	0.61	5.95
(1,840)	1:B:87:HIS:HD1	1:B:72:HIS:HA	20	5.73	0.61	5.95
(1,840)	1:B:87:HIS:HD2	1:A:72:HIS:HA	20	5.73	0.61	5.95
(1,840)	1:B:87:HIS:HD2	1:B:72:HIS:HA	20	5.73	0.61	5.95
(1,216)	1:A:76:GLU:HB2	1:A:51:ASN:HD21	20	5.71	0.23	5.66
(1,216)	1:A:76:GLU:HB2	1:B:51:ASN:HD21	20	5.71	0.23	5.66
(1,216)	1:A:76:GLU:HB3	1:A:51:ASN:HD21	20	5.71	0.23	5.66
(1,216)	1:A:76:GLU:HB3	1:B:51:ASN:HD21	20	5.71	0.23	5.66
(1,216)	1:B:76:GLU:HB2	1:A:51:ASN:HD21	20	5.71	0.23	5.66
(1,216)	1:B:76:GLU:HB2	1:B:51:ASN:HD21	20	5.71	0.23	5.66
(1,216)	1:B:76:GLU:HB3	1:A:51:ASN:HD21	20	5.71	0.23	5.66
(1,216)	1:B:76:GLU:HB3	1:B:51:ASN:HD21	20	5.71	0.23	5.66
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG2	20	5.59	0.61	5.77
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG3	20	5.59	0.61	5.77
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG2	20	5.59	0.61	5.77
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG3	20	5.59	0.61	5.77
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG2	20	5.59	0.61	5.77
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG3	20	5.59	0.61	5.77
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG2	20	5.59	0.61	5.77
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG3	20	5.59	0.61	5.77
(1,927)	1:A:70:SER:H	1:A:66:LYS:O	20	5.32	0.23	5.34
(1,927)	1:A:70:SER:H	1:B:66:LYS:O	20	5.32	0.23	5.34
(1,927)	1:B:70:SER:H	1:A:66:LYS:O	20	5.32	0.23	5.34
(1,927)	1:B:70:SER:H	1:B:66:LYS:O	20	5.32	0.23	5.34
(1,650)	1:A:79:ASP:HB2	1:A:54:LEU:HD11	20	5.11	0.35	5.18
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD11	20	5.11	0.35	5.18
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD12	20	5.11	0.35	5.18
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD13	20	5.11	0.35	5.18
(1,650)	1:B:79:ASP:HB2	1:A:54:LEU:HD11	20	5.11	0.35	5.18
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD11	20	5.11	0.35	5.18
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD12	20	5.11	0.35	5.18
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD13	20	5.11	0.35	5.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,926)	1:A:69:SER:N	1:A:65:LEU:O	20	5.06	0.18	5.06
(1,926)	1:A:69:SER:N	1:B:65:LEU:O	20	5.06	0.18	5.06
(1,926)	1:B:69:SER:N	1:A:65:LEU:O	20	5.06	0.18	5.06
(1,926)	1:B:69:SER:N	1:B:65:LEU:O	20	5.06	0.18	5.06
(1,524)	1:A:78:ALA:H	1:A:56:GLN:HG2	20	5.05	0.13	5.08
(1,524)	1:A:78:ALA:H	1:B:56:GLN:HG2	20	5.05	0.13	5.08
(1,524)	1:B:78:ALA:H	1:A:56:GLN:HG2	20	5.05	0.13	5.08
(1,524)	1:B:78:ALA:H	1:B:56:GLN:HG2	20	5.05	0.13	5.08
(1,940)	1:A:78:ALA:H	1:A:74:LYS:O	20	5.05	0.32	5.06
(1,940)	1:A:78:ALA:H	1:B:74:LYS:O	20	5.05	0.32	5.06
(1,940)	1:B:78:ALA:H	1:A:74:LYS:O	20	5.05	0.32	5.06
(1,940)	1:B:78:ALA:H	1:B:74:LYS:O	20	5.05	0.32	5.06
(1,939)	1:A:77:LYS:N	1:A:73:SER:O	20	5.02	0.49	5.15
(1,939)	1:A:77:LYS:N	1:B:73:SER:O	20	5.02	0.49	5.15
(1,939)	1:B:77:LYS:N	1:A:73:SER:O	20	5.02	0.49	5.15
(1,939)	1:B:77:LYS:N	1:B:73:SER:O	20	5.02	0.49	5.15
(1,642)	1:A:79:ASP:HB3	1:A:54:LEU:HD11	20	4.95	0.33	4.86
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD11	20	4.95	0.33	4.86
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD12	20	4.95	0.33	4.86
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD13	20	4.95	0.33	4.86
(1,642)	1:B:79:ASP:HB3	1:A:54:LEU:HD11	20	4.95	0.33	4.86
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD11	20	4.95	0.33	4.86
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD12	20	4.95	0.33	4.86
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD13	20	4.95	0.33	4.86
(1,928)	1:A:70:SER:N	1:A:66:LYS:O	20	4.91	0.23	4.94
(1,928)	1:A:70:SER:N	1:B:66:LYS:O	20	4.91	0.23	4.94
(1,928)	1:B:70:SER:N	1:A:66:LYS:O	20	4.91	0.23	4.94
(1,928)	1:B:70:SER:N	1:B:66:LYS:O	20	4.91	0.23	4.94
(1,99)	1:A:66:LYS:HE2	1:A:92:GLN:H	20	4.8	0.51	4.84
(1,99)	1:A:66:LYS:HE2	1:B:92:GLN:H	20	4.8	0.51	4.84
(1,99)	1:B:66:LYS:HE2	1:A:92:GLN:H	20	4.8	0.51	4.84
(1,99)	1:B:66:LYS:HE2	1:B:92:GLN:H	20	4.8	0.51	4.84
(1,99)	1:B:66:LYS:HE3	1:A:92:GLN:H	20	4.8	0.51	4.84
(1,99)	1:B:66:LYS:HE3	1:B:92:GLN:H	20	4.8	0.51	4.84
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB2	20	4.67	0.13	4.64
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB3	20	4.67	0.13	4.64
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB2	20	4.67	0.13	4.64
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB3	20	4.67	0.13	4.64
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB2	20	4.67	0.13	4.64
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB3	20	4.67	0.13	4.64
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB2	20	4.67	0.13	4.64
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB3	20	4.67	0.13	4.64

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,460)	1:A:73:SER:HA	1:A:76:GLU:HB2	20	4.66	0.35	4.74
(1,460)	1:A:73:SER:HA	1:B:76:GLU:HB2	20	4.66	0.35	4.74
(1,460)	1:B:73:SER:HA	1:A:76:GLU:HB2	20	4.66	0.35	4.74
(1,460)	1:B:73:SER:HA	1:B:76:GLU:HB2	20	4.66	0.35	4.74
(1,1)	1:A:80:ILE:H	1:A:56:GLN:HG2	20	4.62	0.11	4.64
(1,1)	1:A:80:ILE:H	1:B:56:GLN:HG2	20	4.62	0.11	4.64
(1,1)	1:B:80:ILE:H	1:A:56:GLN:HG2	20	4.62	0.11	4.64
(1,1)	1:B:80:ILE:H	1:B:56:GLN:HG2	20	4.62	0.11	4.64
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	20	4.57	0.7	4.82
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	20	4.57	0.7	4.82
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	20	4.57	0.7	4.82
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	20	4.57	0.7	4.82
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	20	4.57	0.7	4.82
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	20	4.57	0.7	4.82
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	20	4.57	0.7	4.82
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	20	4.57	0.7	4.82
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	20	4.5	1.01	4.81
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	20	4.5	1.01	4.81
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	20	4.5	1.01	4.81
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	20	4.5	1.01	4.81
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	20	4.5	1.01	4.81
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	20	4.5	1.01	4.81
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	20	4.5	1.01	4.81
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	20	4.5	1.01	4.81
(1,446)	1:A:77:LYS:HA	1:A:56:GLN:HG2	20	4.42	0.14	4.42
(1,446)	1:A:77:LYS:HA	1:B:56:GLN:HG2	20	4.42	0.14	4.42
(1,446)	1:B:77:LYS:HA	1:A:56:GLN:HG2	20	4.42	0.14	4.42
(1,446)	1:B:77:LYS:HA	1:B:56:GLN:HG2	20	4.42	0.14	4.42
(1,941)	1:A:78:ALA:N	1:A:74:LYS:O	20	4.32	0.28	4.34
(1,941)	1:A:78:ALA:N	1:B:74:LYS:O	20	4.32	0.28	4.34
(1,941)	1:B:78:ALA:N	1:A:74:LYS:O	20	4.32	0.28	4.34
(1,941)	1:B:78:ALA:N	1:B:74:LYS:O	20	4.32	0.28	4.34
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	20	4.24	0.75	4.53
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	20	4.24	0.75	4.53
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	20	4.24	0.75	4.53
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	20	4.24	0.75	4.53
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	20	4.24	0.75	4.53
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	20	4.24	0.75	4.53
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	20	4.24	0.75	4.53
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	20	4.24	0.75	4.53
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	20	4.24	0.75	4.53
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	20	4.24	0.75	4.53

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	20	4.24	0.75	4.53
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	20	4.24	0.75	4.53
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	20	4.24	0.75	4.53
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	20	4.24	0.75	4.53
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	20	4.24	0.75	4.53
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	20	4.24	0.75	4.53
(1,432)	1:A:90:ASN:HA	1:A:65:LEU:HG	20	4.22	0.55	4.02
(1,432)	1:A:90:ASN:HA	1:B:65:LEU:HG	20	4.22	0.55	4.02
(1,432)	1:B:90:ASN:HA	1:A:65:LEU:HG	20	4.22	0.55	4.02
(1,432)	1:B:90:ASN:HA	1:B:65:LEU:HG	20	4.22	0.55	4.02
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG21	20	4.17	0.2	4.2
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG22	20	4.17	0.2	4.2
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG23	20	4.17	0.2	4.2
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG21	20	4.17	0.2	4.2
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG22	20	4.17	0.2	4.2
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG23	20	4.17	0.2	4.2
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG21	20	4.17	0.2	4.2
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG22	20	4.17	0.2	4.2
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG23	20	4.17	0.2	4.2
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG21	20	4.17	0.2	4.2
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG22	20	4.17	0.2	4.2
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG23	20	4.17	0.2	4.2
(1,635)	1:A:89:ARG:HB2	1:A:65:LEU:HG	20	4.15	0.3	4.12
(1,635)	1:A:89:ARG:HB2	1:B:65:LEU:HG	20	4.15	0.3	4.12
(1,635)	1:A:89:ARG:HB3	1:A:65:LEU:HG	20	4.15	0.3	4.12
(1,635)	1:A:89:ARG:HB3	1:B:65:LEU:HG	20	4.15	0.3	4.12
(1,635)	1:B:89:ARG:HB2	1:A:65:LEU:HG	20	4.15	0.3	4.12
(1,635)	1:B:89:ARG:HB2	1:B:65:LEU:HG	20	4.15	0.3	4.12
(1,635)	1:B:89:ARG:HB3	1:A:65:LEU:HG	20	4.15	0.3	4.12
(1,635)	1:B:89:ARG:HB3	1:B:65:LEU:HG	20	4.15	0.3	4.12
(1,714)	1:A:86:LYS:HD3	1:A:84:THR:HA	20	4.11	0.17	4.13
(1,714)	1:A:86:LYS:HD3	1:B:84:THR:HA	20	4.11	0.17	4.13
(1,714)	1:B:86:LYS:HD3	1:A:84:THR:HA	20	4.11	0.17	4.13
(1,714)	1:B:86:LYS:HD3	1:B:84:THR:HA	20	4.11	0.17	4.13
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD11	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD12	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD13	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD21	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD22	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD23	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD11	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD12	20	4.06	0.56	4.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD13	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD21	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD22	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD23	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD11	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD12	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD13	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD21	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD22	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD23	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD11	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD12	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD13	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD21	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD22	20	4.06	0.56	4.34
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD23	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD11	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD12	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD13	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD21	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD22	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD23	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD11	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD12	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD13	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD21	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD22	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD23	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD11	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD12	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD13	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD21	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD22	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD23	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD11	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD12	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD13	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD21	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD22	20	4.06	0.56	4.34
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD23	20	4.06	0.56	4.34
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB2	20	3.94	0.19	3.94
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB3	20	3.94	0.19	3.94

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB2	20	3.94	0.19	3.94
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB3	20	3.94	0.19	3.94
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB2	20	3.94	0.19	3.94
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB3	20	3.94	0.19	3.94
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB2	20	3.94	0.19	3.94
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB3	20	3.94	0.19	3.94
(1,226)	1:A:81:LEU:H	1:A:56:GLN:HE21	20	3.92	0.25	3.89
(1,226)	1:A:81:LEU:H	1:B:56:GLN:HE21	20	3.92	0.25	3.89
(1,226)	1:B:81:LEU:H	1:A:56:GLN:HE21	20	3.92	0.25	3.89
(1,226)	1:B:81:LEU:H	1:B:56:GLN:HE21	20	3.92	0.25	3.89
(1,62)	1:A:81:LEU:H	1:A:56:GLN:HG2	20	3.92	0.13	3.92
(1,62)	1:A:81:LEU:H	1:B:56:GLN:HG2	20	3.92	0.13	3.92
(1,62)	1:B:81:LEU:H	1:A:56:GLN:HG2	20	3.92	0.13	3.92
(1,62)	1:B:81:LEU:H	1:B:56:GLN:HG2	20	3.92	0.13	3.92
(1,333)	1:A:81:LEU:H	1:A:56:GLN:HG3	20	3.91	0.11	3.9
(1,333)	1:A:81:LEU:H	1:B:56:GLN:HG3	20	3.91	0.11	3.9
(1,333)	1:B:81:LEU:H	1:A:56:GLN:HG3	20	3.91	0.11	3.9
(1,333)	1:B:81:LEU:H	1:B:56:GLN:HG3	20	3.91	0.11	3.9
(1,811)	1:A:84:THR:HB	1:A:60:LEU:HD11	20	3.77	0.27	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD11	20	3.77	0.27	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD12	20	3.77	0.27	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD13	20	3.77	0.27	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD21	20	3.77	0.27	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD22	20	3.77	0.27	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD23	20	3.77	0.27	3.86
(1,811)	1:B:84:THR:HB	1:A:60:LEU:HD11	20	3.77	0.27	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD11	20	3.77	0.27	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD12	20	3.77	0.27	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD13	20	3.77	0.27	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD21	20	3.77	0.27	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD22	20	3.77	0.27	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD23	20	3.77	0.27	3.86
(1,603)	1:A:64:ALA:HB2	1:A:67:LYS:HG2	20	3.77	0.6	3.78
(1,603)	1:A:64:ALA:HB2	1:B:67:LYS:HG2	20	3.77	0.6	3.78
(1,603)	1:B:64:ALA:HB2	1:A:67:LYS:HG2	20	3.77	0.6	3.78
(1,603)	1:B:64:ALA:HB2	1:B:67:LYS:HG2	20	3.77	0.6	3.78
(1,561)	1:A:92:GLN:HE21	1:A:83:MET:HA	20	3.73	0.18	3.66
(1,561)	1:A:92:GLN:HE21	1:B:83:MET:HA	20	3.73	0.18	3.66
(1,561)	1:A:92:GLN:HE22	1:A:83:MET:HA	20	3.73	0.18	3.66
(1,561)	1:A:92:GLN:HE22	1:B:83:MET:HA	20	3.73	0.18	3.66
(1,561)	1:B:92:GLN:HE21	1:A:83:MET:HA	20	3.73	0.18	3.66
(1,561)	1:B:92:GLN:HE21	1:B:83:MET:HA	20	3.73	0.18	3.66

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,561)	1:B:92:GLN:HE22	1:A:83:MET:HA	20	3.73	0.18	3.66
(1,561)	1:B:92:GLN:HE22	1:B:83:MET:HA	20	3.73	0.18	3.66
(1,679)	1:A:92:GLN:HG2	1:A:83:MET:HG2	20	3.68	0.38	3.58
(1,679)	1:A:92:GLN:HG2	1:B:83:MET:HG2	20	3.68	0.38	3.58
(1,679)	1:A:92:GLN:HG3	1:A:83:MET:HG2	20	3.68	0.38	3.58
(1,679)	1:A:92:GLN:HG3	1:B:83:MET:HG2	20	3.68	0.38	3.58
(1,679)	1:B:92:GLN:HG2	1:A:83:MET:HG2	20	3.68	0.38	3.58
(1,679)	1:B:92:GLN:HG2	1:B:83:MET:HG2	20	3.68	0.38	3.58
(1,679)	1:B:92:GLN:HG3	1:A:83:MET:HG2	20	3.68	0.38	3.58
(1,679)	1:B:92:GLN:HG3	1:B:83:MET:HG2	20	3.68	0.38	3.58
(1,409)	1:A:64:ALA:HA	1:A:67:LYS:HB2	20	3.61	0.21	3.6
(1,409)	1:A:64:ALA:HA	1:B:67:LYS:HB2	20	3.61	0.21	3.6
(1,409)	1:B:64:ALA:HA	1:A:67:LYS:HB2	20	3.61	0.21	3.6
(1,409)	1:B:64:ALA:HA	1:B:67:LYS:HB2	20	3.61	0.21	3.6
(1,601)	1:A:64:ALA:HB1	1:A:67:LYS:HG2	20	3.59	0.63	3.52
(1,601)	1:A:64:ALA:HB1	1:B:67:LYS:HG2	20	3.59	0.63	3.52
(1,601)	1:B:64:ALA:HB1	1:A:67:LYS:HG2	20	3.59	0.63	3.52
(1,601)	1:B:64:ALA:HB1	1:B:67:LYS:HG2	20	3.59	0.63	3.52
(1,784)	1:A:64:ALA:HB1	1:A:67:LYS:HB2	20	3.56	0.17	3.54
(1,784)	1:A:64:ALA:HB1	1:B:67:LYS:HB2	20	3.56	0.17	3.54
(1,784)	1:A:64:ALA:HB2	1:A:67:LYS:HB2	20	3.56	0.17	3.54
(1,784)	1:A:64:ALA:HB2	1:B:67:LYS:HB2	20	3.56	0.17	3.54
(1,784)	1:A:64:ALA:HB3	1:A:67:LYS:HB2	20	3.56	0.17	3.54
(1,784)	1:A:64:ALA:HB3	1:B:67:LYS:HB2	20	3.56	0.17	3.54
(1,784)	1:B:64:ALA:HB1	1:A:67:LYS:HB2	20	3.56	0.17	3.54
(1,784)	1:B:64:ALA:HB1	1:B:67:LYS:HB2	20	3.56	0.17	3.54
(1,784)	1:B:64:ALA:HB2	1:A:67:LYS:HB2	20	3.56	0.17	3.54
(1,784)	1:B:64:ALA:HB2	1:B:67:LYS:HB2	20	3.56	0.17	3.54
(1,784)	1:B:64:ALA:HB3	1:A:67:LYS:HB2	20	3.56	0.17	3.54
(1,784)	1:B:64:ALA:HB3	1:B:67:LYS:HB2	20	3.56	0.17	3.54
(1,684)	1:A:86:LYS:HD3	1:A:87:HIS:HB3	20	3.49	0.24	3.42
(1,684)	1:A:86:LYS:HD3	1:B:87:HIS:HB3	20	3.49	0.24	3.42
(1,684)	1:B:86:LYS:HD3	1:A:87:HIS:HB3	20	3.49	0.24	3.42
(1,684)	1:B:86:LYS:HD3	1:B:87:HIS:HB3	20	3.49	0.24	3.42
(1,357)	1:A:67:LYS:HA	1:A:70:SER:H	20	3.49	0.07	3.48
(1,357)	1:A:67:LYS:HA	1:B:70:SER:H	20	3.49	0.07	3.48
(1,357)	1:B:67:LYS:HA	1:A:70:SER:H	20	3.49	0.07	3.48
(1,357)	1:B:67:LYS:HA	1:B:70:SER:H	20	3.49	0.07	3.48
(1,671)	1:A:92:GLN:HG2	1:A:83:MET:HG3	20	3.46	0.3	3.46
(1,671)	1:A:92:GLN:HG2	1:B:83:MET:HG3	20	3.46	0.3	3.46
(1,671)	1:A:92:GLN:HG3	1:A:83:MET:HG3	20	3.46	0.3	3.46
(1,671)	1:A:92:GLN:HG3	1:B:83:MET:HG3	20	3.46	0.3	3.46

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,671)	1:B:92:GLN:HG2	1:A:83:MET:HG3	20	3.46	0.3	3.46
(1,671)	1:B:92:GLN:HG2	1:B:83:MET:HG3	20	3.46	0.3	3.46
(1,671)	1:B:92:GLN:HG3	1:A:83:MET:HG3	20	3.46	0.3	3.46
(1,671)	1:B:92:GLN:HG3	1:B:83:MET:HG3	20	3.46	0.3	3.46
(1,739)	1:A:50:ILE:HG21	1:A:76:GLU:HA	20	3.45	0.1	3.46
(1,739)	1:A:50:ILE:HG21	1:B:76:GLU:HA	20	3.45	0.1	3.46
(1,739)	1:B:50:ILE:HG21	1:A:76:GLU:HA	20	3.45	0.1	3.46
(1,739)	1:B:50:ILE:HG21	1:B:76:GLU:HA	20	3.45	0.1	3.46
(1,739)	1:B:50:ILE:HG22	1:A:76:GLU:HA	20	3.45	0.1	3.46
(1,739)	1:B:50:ILE:HG22	1:B:76:GLU:HA	20	3.45	0.1	3.46
(1,739)	1:B:50:ILE:HG23	1:A:76:GLU:HA	20	3.45	0.1	3.46
(1,739)	1:B:50:ILE:HG23	1:B:76:GLU:HA	20	3.45	0.1	3.46
(1,848)	1:A:90:ASN:HD21	1:A:66:LYS:HE2	20	3.43	0.42	3.36
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE2	20	3.43	0.42	3.36
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE3	20	3.43	0.42	3.36
(1,848)	1:A:90:ASN:HD22	1:A:66:LYS:HE2	20	3.43	0.42	3.36
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE2	20	3.43	0.42	3.36
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE3	20	3.43	0.42	3.36
(1,848)	1:B:90:ASN:HD21	1:A:66:LYS:HE2	20	3.43	0.42	3.36
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE2	20	3.43	0.42	3.36
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE3	20	3.43	0.42	3.36
(1,848)	1:B:90:ASN:HD22	1:A:66:LYS:HE2	20	3.43	0.42	3.36
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE2	20	3.43	0.42	3.36
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE3	20	3.43	0.42	3.36
(1,415)	1:A:86:LYS:HD3	1:A:84:THR:HB	20	3.35	0.29	3.34
(1,415)	1:A:86:LYS:HD3	1:B:84:THR:HB	20	3.35	0.29	3.34
(1,415)	1:B:86:LYS:HD3	1:A:84:THR:HB	20	3.35	0.29	3.34
(1,415)	1:B:86:LYS:HD3	1:B:84:THR:HB	20	3.35	0.29	3.34
(1,246)	1:A:81:LEU:H	1:A:56:GLN:HE22	20	3.33	0.23	3.34
(1,246)	1:A:81:LEU:H	1:B:56:GLN:HE22	20	3.33	0.23	3.34
(1,246)	1:B:81:LEU:H	1:A:56:GLN:HE22	20	3.33	0.23	3.34
(1,246)	1:B:81:LEU:H	1:B:56:GLN:HE22	20	3.33	0.23	3.34
(1,510)	1:A:79:ASP:H	1:A:54:LEU:HG	20	3.3	0.12	3.3
(1,510)	1:A:79:ASP:H	1:B:54:LEU:HG	20	3.3	0.12	3.3
(1,510)	1:B:79:ASP:H	1:A:54:LEU:HG	20	3.3	0.12	3.3
(1,510)	1:B:79:ASP:H	1:B:54:LEU:HG	20	3.3	0.12	3.3
(1,308)	1:A:90:ASN:H	1:A:65:LEU:HG	20	3.27	0.44	3.22
(1,308)	1:A:90:ASN:H	1:B:65:LEU:HG	20	3.27	0.44	3.22
(1,308)	1:B:90:ASN:H	1:A:65:LEU:HG	20	3.27	0.44	3.22
(1,308)	1:B:90:ASN:H	1:B:65:LEU:HG	20	3.27	0.44	3.22
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD1	20	3.24	0.74	3.8
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD2	20	3.24	0.74	3.8

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD1	20	3.24	0.74	3.8
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD2	20	3.24	0.74	3.8
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD1	20	3.24	0.74	3.8
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD2	20	3.24	0.74	3.8
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD1	20	3.24	0.74	3.8
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD2	20	3.24	0.74	3.8
(1,802)	1:A:81:LEU:HB2	1:A:60:LEU:HD11	20	3.16	0.22	3.23
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD11	20	3.16	0.22	3.23
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD12	20	3.16	0.22	3.23
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD13	20	3.16	0.22	3.23
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD21	20	3.16	0.22	3.23
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD22	20	3.16	0.22	3.23
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD23	20	3.16	0.22	3.23
(1,802)	1:A:81:LEU:HB3	1:A:60:LEU:HD11	20	3.16	0.22	3.23
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD11	20	3.16	0.22	3.23
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD12	20	3.16	0.22	3.23
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD13	20	3.16	0.22	3.23
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD21	20	3.16	0.22	3.23
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD22	20	3.16	0.22	3.23
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD23	20	3.16	0.22	3.23
(1,802)	1:B:81:LEU:HB2	1:A:60:LEU:HD11	20	3.16	0.22	3.23
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD11	20	3.16	0.22	3.23
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD12	20	3.16	0.22	3.23
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD13	20	3.16	0.22	3.23
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD21	20	3.16	0.22	3.23
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD22	20	3.16	0.22	3.23
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD23	20	3.16	0.22	3.23
(1,802)	1:B:81:LEU:HB3	1:A:60:LEU:HD11	20	3.16	0.22	3.23
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD11	20	3.16	0.22	3.23
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD12	20	3.16	0.22	3.23
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD13	20	3.16	0.22	3.23
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD21	20	3.16	0.22	3.23
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD22	20	3.16	0.22	3.23
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD23	20	3.16	0.22	3.23
(1,809)	1:A:84:THR:H	1:A:60:LEU:HD11	20	3.16	0.27	3.26
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD11	20	3.16	0.27	3.26
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD12	20	3.16	0.27	3.26
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD13	20	3.16	0.27	3.26
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD21	20	3.16	0.27	3.26
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD22	20	3.16	0.27	3.26
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD23	20	3.16	0.27	3.26
(1,809)	1:B:84:THR:H	1:A:60:LEU:HD11	20	3.16	0.27	3.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD11	20	3.16	0.27	3.26
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD12	20	3.16	0.27	3.26
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD13	20	3.16	0.27	3.26
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD21	20	3.16	0.27	3.26
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD22	20	3.16	0.27	3.26
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD23	20	3.16	0.27	3.26
(1,355)	1:A:65:LEU:HA	1:A:68:ASP:H	20	3.14	0.14	3.17
(1,355)	1:A:65:LEU:HA	1:B:68:ASP:H	20	3.14	0.14	3.17
(1,355)	1:B:65:LEU:HA	1:A:68:ASP:H	20	3.14	0.14	3.17
(1,355)	1:B:65:LEU:HA	1:B:68:ASP:H	20	3.14	0.14	3.17
(1,813)	1:A:85:VAL:H	1:A:60:LEU:HD11	20	3.08	0.44	3.28
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD11	20	3.08	0.44	3.28
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD12	20	3.08	0.44	3.28
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD13	20	3.08	0.44	3.28
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD21	20	3.08	0.44	3.28
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD22	20	3.08	0.44	3.28
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD23	20	3.08	0.44	3.28
(1,813)	1:B:85:VAL:H	1:A:60:LEU:HD11	20	3.08	0.44	3.28
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD11	20	3.08	0.44	3.28
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD12	20	3.08	0.44	3.28
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD13	20	3.08	0.44	3.28
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD21	20	3.08	0.44	3.28
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD22	20	3.08	0.44	3.28
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD23	20	3.08	0.44	3.28
(1,929)	1:A:71:ARG:N	1:A:67:LYS:O	20	3.08	0.15	3.06
(1,929)	1:A:71:ARG:N	1:B:67:LYS:O	20	3.08	0.15	3.06
(1,929)	1:B:71:ARG:N	1:A:67:LYS:O	20	3.08	0.15	3.06
(1,929)	1:B:71:ARG:N	1:B:67:LYS:O	20	3.08	0.15	3.06
(1,602)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	20	3.02	0.57	3.24
(1,602)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	20	3.02	0.57	3.24
(1,602)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	20	3.02	0.57	3.24
(1,602)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	20	3.02	0.57	3.24
(1,688)	1:A:86:LYS:HD3	1:A:87:HIS:HB2	20	2.93	0.35	2.79
(1,688)	1:A:86:LYS:HD3	1:B:87:HIS:HB2	20	2.93	0.35	2.79
(1,688)	1:B:86:LYS:HD3	1:A:87:HIS:HB2	20	2.93	0.35	2.79
(1,688)	1:B:86:LYS:HD3	1:B:87:HIS:HB2	20	2.93	0.35	2.79
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG21	20	2.86	0.08	2.88
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG22	20	2.86	0.08	2.88
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG23	20	2.86	0.08	2.88
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG21	20	2.86	0.08	2.88
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG22	20	2.86	0.08	2.88
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG23	20	2.86	0.08	2.88

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG21	20	2.86	0.08	2.88
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG22	20	2.86	0.08	2.88
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG23	20	2.86	0.08	2.88
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG21	20	2.86	0.08	2.88
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG22	20	2.86	0.08	2.88
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG23	20	2.86	0.08	2.88
(1,585)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	20	2.8	0.5	2.72
(1,585)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	20	2.8	0.5	2.72
(1,585)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	20	2.8	0.5	2.72
(1,585)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	20	2.8	0.5	2.72
(1,447)	1:A:81:LEU:HA	1:A:56:GLN:HG2	20	2.76	0.13	2.78
(1,447)	1:A:81:LEU:HA	1:B:56:GLN:HG2	20	2.76	0.13	2.78
(1,447)	1:B:81:LEU:HA	1:A:56:GLN:HG2	20	2.76	0.13	2.78
(1,447)	1:B:81:LEU:HA	1:B:56:GLN:HG2	20	2.76	0.13	2.78
(1,408)	1:A:64:ALA:HA	1:A:67:LYS:HG2	20	2.76	0.44	2.94
(1,408)	1:A:64:ALA:HA	1:B:67:LYS:HG2	20	2.76	0.44	2.94
(1,408)	1:B:64:ALA:HA	1:A:67:LYS:HG2	20	2.76	0.44	2.94
(1,408)	1:B:64:ALA:HA	1:B:67:LYS:HG2	20	2.76	0.44	2.94
(1,451)	1:A:81:LEU:HA	1:A:56:GLN:HG3	20	2.73	0.11	2.72
(1,451)	1:A:81:LEU:HA	1:B:56:GLN:HG3	20	2.73	0.11	2.72
(1,451)	1:B:81:LEU:HA	1:A:56:GLN:HG3	20	2.73	0.11	2.72
(1,451)	1:B:81:LEU:HA	1:B:56:GLN:HG3	20	2.73	0.11	2.72
(1,76)	1:A:86:LYS:H	1:A:61:ILE:HG12	20	2.65	0.03	2.66
(1,76)	1:A:86:LYS:H	1:B:61:ILE:HG12	20	2.65	0.03	2.66
(1,76)	1:B:86:LYS:H	1:A:61:ILE:HG12	20	2.65	0.03	2.66
(1,76)	1:B:86:LYS:H	1:B:61:ILE:HG12	20	2.65	0.03	2.66
(1,942)	1:A:79:ASP:H	1:A:75:LEU:O	20	2.61	0.1	2.63
(1,942)	1:A:79:ASP:H	1:B:75:LEU:O	20	2.61	0.1	2.63
(1,942)	1:B:79:ASP:H	1:A:75:LEU:O	20	2.61	0.1	2.63
(1,942)	1:B:79:ASP:H	1:B:75:LEU:O	20	2.61	0.1	2.63
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB2	20	2.57	0.38	2.56
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB3	20	2.57	0.38	2.56
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB2	20	2.57	0.38	2.56
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB3	20	2.57	0.38	2.56
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB2	20	2.57	0.38	2.56
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB3	20	2.57	0.38	2.56
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB2	20	2.57	0.38	2.56
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB3	20	2.57	0.38	2.56
(1,214)	1:A:81:LEU:HB2	1:A:56:GLN:HE22	20	2.56	0.18	2.58
(1,214)	1:A:81:LEU:HB2	1:B:56:GLN:HE22	20	2.56	0.18	2.58
(1,214)	1:A:81:LEU:HB3	1:A:56:GLN:HE22	20	2.56	0.18	2.58
(1,214)	1:A:81:LEU:HB3	1:B:56:GLN:HE22	20	2.56	0.18	2.58

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,214)	1:B:81:LEU:HB2	1:A:56:GLN:HE22	20	2.56	0.18	2.58
(1,214)	1:B:81:LEU:HB2	1:B:56:GLN:HE22	20	2.56	0.18	2.58
(1,214)	1:B:81:LEU:HB3	1:A:56:GLN:HE22	20	2.56	0.18	2.58
(1,214)	1:B:81:LEU:HB3	1:B:56:GLN:HE22	20	2.56	0.18	2.58
(1,627)	1:A:66:LYS:HG2	1:A:67:LYS:HG2	20	2.47	0.42	2.57
(1,627)	1:A:66:LYS:HG2	1:B:67:LYS:HG2	20	2.47	0.42	2.57
(1,627)	1:B:66:LYS:HG2	1:A:67:LYS:HG2	20	2.47	0.42	2.57
(1,627)	1:B:66:LYS:HG2	1:B:67:LYS:HG2	20	2.47	0.42	2.57
(1,237)	1:A:79:ASP:H	1:A:54:LEU:HD11	20	2.45	0.21	2.45
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD11	20	2.45	0.21	2.45
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD12	20	2.45	0.21	2.45
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD13	20	2.45	0.21	2.45
(1,237)	1:B:79:ASP:H	1:A:54:LEU:HD11	20	2.45	0.21	2.45
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD11	20	2.45	0.21	2.45
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD12	20	2.45	0.21	2.45
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD13	20	2.45	0.21	2.45
(1,785)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	20	2.45	0.22	2.48
(1,785)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	20	2.45	0.22	2.48
(1,785)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	20	2.45	0.22	2.48
(1,785)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	20	2.45	0.22	2.48
(1,785)	1:A:64:ALA:HB3	1:A:67:LYS:HG3	20	2.45	0.22	2.48
(1,785)	1:A:64:ALA:HB3	1:B:67:LYS:HG3	20	2.45	0.22	2.48
(1,785)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	20	2.45	0.22	2.48
(1,785)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	20	2.45	0.22	2.48
(1,785)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	20	2.45	0.22	2.48
(1,785)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	20	2.45	0.22	2.48
(1,785)	1:B:64:ALA:HB3	1:A:67:LYS:HG3	20	2.45	0.22	2.48
(1,785)	1:B:64:ALA:HB3	1:B:67:LYS:HG3	20	2.45	0.22	2.48
(1,628)	1:A:66:LYS:HG2	1:A:67:LYS:HB2	20	2.43	0.19	2.42
(1,628)	1:A:66:LYS:HG2	1:B:67:LYS:HB2	20	2.43	0.19	2.42
(1,628)	1:B:66:LYS:HG2	1:A:67:LYS:HB2	20	2.43	0.19	2.42
(1,628)	1:B:66:LYS:HG2	1:B:67:LYS:HB2	20	2.43	0.19	2.42
(1,812)	1:A:84:THR:HG21	1:A:60:LEU:HD11	20	2.4	0.22	2.47
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD11	20	2.4	0.22	2.47
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD12	20	2.4	0.22	2.47
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD13	20	2.4	0.22	2.47
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD21	20	2.4	0.22	2.47
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD22	20	2.4	0.22	2.47
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD23	20	2.4	0.22	2.47
(1,812)	1:A:84:THR:HG22	1:A:60:LEU:HD11	20	2.4	0.22	2.47
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD11	20	2.4	0.22	2.47
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD12	20	2.4	0.22	2.47

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD13	20	2.4	0.22	2.47
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD21	20	2.4	0.22	2.47
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD22	20	2.4	0.22	2.47
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD23	20	2.4	0.22	2.47
(1,812)	1:A:84:THR:HG23	1:A:60:LEU:HD11	20	2.4	0.22	2.47
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD11	20	2.4	0.22	2.47
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD12	20	2.4	0.22	2.47
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD13	20	2.4	0.22	2.47
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD21	20	2.4	0.22	2.47
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD22	20	2.4	0.22	2.47
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD23	20	2.4	0.22	2.47
(1,812)	1:B:84:THR:HG21	1:A:60:LEU:HD11	20	2.4	0.22	2.47
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD11	20	2.4	0.22	2.47
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD12	20	2.4	0.22	2.47
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD13	20	2.4	0.22	2.47
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD21	20	2.4	0.22	2.47
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD22	20	2.4	0.22	2.47
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD23	20	2.4	0.22	2.47
(1,812)	1:B:84:THR:HG22	1:A:60:LEU:HD11	20	2.4	0.22	2.47
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD11	20	2.4	0.22	2.47
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD12	20	2.4	0.22	2.47
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD13	20	2.4	0.22	2.47
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD21	20	2.4	0.22	2.47
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD22	20	2.4	0.22	2.47
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD23	20	2.4	0.22	2.47
(1,812)	1:B:84:THR:HG23	1:A:60:LEU:HD11	20	2.4	0.22	2.47
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD11	20	2.4	0.22	2.47
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD12	20	2.4	0.22	2.47
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD13	20	2.4	0.22	2.47
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD21	20	2.4	0.22	2.47
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD22	20	2.4	0.22	2.47
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD23	20	2.4	0.22	2.47
(1,938)	1:A:76:GLU:N	1:A:72:HIS:O	20	2.39	0.36	2.35
(1,938)	1:A:76:GLU:N	1:B:72:HIS:O	20	2.39	0.36	2.35
(1,938)	1:B:76:GLU:N	1:A:72:HIS:O	20	2.39	0.36	2.35
(1,938)	1:B:76:GLU:N	1:B:72:HIS:O	20	2.39	0.36	2.35
(1,176)	1:A:75:LEU:HA	1:A:78:ALA:H	20	2.38	0.08	2.4
(1,176)	1:A:75:LEU:HA	1:B:78:ALA:H	20	2.38	0.08	2.4
(1,176)	1:B:75:LEU:HA	1:A:78:ALA:H	20	2.38	0.08	2.4
(1,176)	1:B:75:LEU:HA	1:B:78:ALA:H	20	2.38	0.08	2.4
(1,224)	1:A:81:LEU:HB2	1:A:56:GLN:HE21	20	2.34	0.2	2.34
(1,224)	1:A:81:LEU:HB2	1:B:56:GLN:HE21	20	2.34	0.2	2.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,224)	1:A:81:LEU:HB3	1:A:56:GLN:HE21	20	2.34	0.2	2.34
(1,224)	1:A:81:LEU:HB3	1:B:56:GLN:HE21	20	2.34	0.2	2.34
(1,224)	1:B:81:LEU:HB2	1:A:56:GLN:HE21	20	2.34	0.2	2.34
(1,224)	1:B:81:LEU:HB2	1:B:56:GLN:HE21	20	2.34	0.2	2.34
(1,224)	1:B:81:LEU:HB3	1:A:56:GLN:HE21	20	2.34	0.2	2.34
(1,224)	1:B:81:LEU:HB3	1:B:56:GLN:HE21	20	2.34	0.2	2.34
(1,943)	1:A:79:ASP:N	1:A:75:LEU:O	20	2.33	0.1	2.33
(1,943)	1:A:79:ASP:N	1:B:75:LEU:O	20	2.33	0.1	2.33
(1,943)	1:B:79:ASP:N	1:A:75:LEU:O	20	2.33	0.1	2.33
(1,943)	1:B:79:ASP:N	1:B:75:LEU:O	20	2.33	0.1	2.33
(1,761)	1:A:86:LYS:HD3	1:A:84:THR:H	20	2.27	0.25	2.21
(1,761)	1:A:86:LYS:HD3	1:B:84:THR:H	20	2.27	0.25	2.21
(1,761)	1:B:86:LYS:HD3	1:A:84:THR:H	20	2.27	0.25	2.21
(1,761)	1:B:86:LYS:HD3	1:B:84:THR:H	20	2.27	0.25	2.21
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG2	20	2.27	0.27	2.3
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG3	20	2.27	0.27	2.3
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG2	20	2.27	0.27	2.3
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG3	20	2.27	0.27	2.3
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG2	20	2.27	0.27	2.3
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG3	20	2.27	0.27	2.3
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG2	20	2.27	0.27	2.3
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG3	20	2.27	0.27	2.3
(1,680)	1:A:66:LYS:HG2	1:A:67:LYS:HG3	20	2.18	0.39	2.28
(1,680)	1:A:66:LYS:HG2	1:B:67:LYS:HG3	20	2.18	0.39	2.28
(1,680)	1:B:66:LYS:HG2	1:A:67:LYS:HG3	20	2.18	0.39	2.28
(1,680)	1:B:66:LYS:HG2	1:B:67:LYS:HG3	20	2.18	0.39	2.28
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD11	20	2.13	0.35	2.06
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD12	20	2.13	0.35	2.06
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD13	20	2.13	0.35	2.06
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD11	20	2.13	0.35	2.06
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD12	20	2.13	0.35	2.06
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD13	20	2.13	0.35	2.06
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD11	20	2.13	0.35	2.06
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD12	20	2.13	0.35	2.06
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD13	20	2.13	0.35	2.06
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD11	20	2.13	0.35	2.06
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD12	20	2.13	0.35	2.06
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD13	20	2.13	0.35	2.06
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG2	20	2.11	0.08	2.1
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG3	20	2.11	0.08	2.1
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG2	20	2.11	0.08	2.1
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG3	20	2.11	0.08	2.1

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG2	20	2.11	0.08	2.1
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG3	20	2.11	0.08	2.1
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG2	20	2.11	0.08	2.1
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG3	20	2.11	0.08	2.1
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG2	20	2.11	0.08	2.1
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG3	20	2.11	0.08	2.1
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG2	20	2.11	0.08	2.1
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG3	20	2.11	0.08	2.1
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG2	20	2.11	0.08	2.1
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG3	20	2.11	0.08	2.1
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG2	20	2.11	0.08	2.1
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG3	20	2.11	0.08	2.1
(1,837)	1:A:87:HIS:HD1	1:A:93:ARG:H	20	2.09	0.21	2.07
(1,837)	1:A:87:HIS:HD1	1:B:93:ARG:H	20	2.09	0.21	2.07
(1,837)	1:A:87:HIS:HD2	1:A:93:ARG:H	20	2.09	0.21	2.07
(1,837)	1:A:87:HIS:HD2	1:B:93:ARG:H	20	2.09	0.21	2.07
(1,837)	1:B:87:HIS:HD1	1:A:93:ARG:H	20	2.09	0.21	2.07
(1,837)	1:B:87:HIS:HD1	1:B:93:ARG:H	20	2.09	0.21	2.07
(1,837)	1:B:87:HIS:HD2	1:A:93:ARG:H	20	2.09	0.21	2.07
(1,837)	1:B:87:HIS:HD2	1:B:93:ARG:H	20	2.09	0.21	2.07
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG2	20	2.05	0.05	2.05
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG3	20	2.05	0.05	2.05
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG2	20	2.05	0.05	2.05
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG3	20	2.05	0.05	2.05
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG2	20	2.05	0.05	2.05
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG3	20	2.05	0.05	2.05
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG2	20	2.05	0.05	2.05
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG3	20	2.05	0.05	2.05
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG2	20	2.05	0.05	2.05
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG3	20	2.05	0.05	2.05
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG2	20	2.05	0.05	2.05
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG3	20	2.05	0.05	2.05
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG2	20	2.05	0.05	2.05
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG3	20	2.05	0.05	2.05
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG2	20	2.05	0.05	2.05
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG3	20	2.05	0.05	2.05
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB2	20	2.0	0.19	1.92
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB3	20	2.0	0.19	1.92
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB2	20	2.0	0.19	1.92
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB3	20	2.0	0.19	1.92
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB2	20	2.0	0.19	1.92
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB3	20	2.0	0.19	1.92

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB2	20	2.0	0.19	1.92
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB3	20	2.0	0.19	1.92
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB2	20	2.0	0.19	1.92
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB3	20	2.0	0.19	1.92
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB2	20	2.0	0.19	1.92
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB3	20	2.0	0.19	1.92
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB2	20	2.0	0.19	1.92
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB3	20	2.0	0.19	1.92
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB2	20	2.0	0.19	1.92
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB3	20	2.0	0.19	1.92
(1,404)	1:A:64:ALA:HA	1:A:67:LYS:H	20	1.95	0.14	1.98
(1,404)	1:A:64:ALA:HA	1:B:67:LYS:H	20	1.95	0.14	1.98
(1,404)	1:B:64:ALA:HA	1:A:67:LYS:H	20	1.95	0.14	1.98
(1,404)	1:B:64:ALA:HA	1:B:67:LYS:H	20	1.95	0.14	1.98
(1,815)	1:A:85:VAL:HA	1:A:60:LEU:HD11	20	1.91	0.52	2.11
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD11	20	1.91	0.52	2.11
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD12	20	1.91	0.52	2.11
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD13	20	1.91	0.52	2.11
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD21	20	1.91	0.52	2.11
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD22	20	1.91	0.52	2.11
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD23	20	1.91	0.52	2.11
(1,815)	1:B:85:VAL:HA	1:A:60:LEU:HD11	20	1.91	0.52	2.11
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD11	20	1.91	0.52	2.11
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD12	20	1.91	0.52	2.11
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD13	20	1.91	0.52	2.11
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD21	20	1.91	0.52	2.11
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD22	20	1.91	0.52	2.11
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD23	20	1.91	0.52	2.11
(1,789)	1:A:66:LYS:HA	1:A:69:SER:HG	20	1.91	0.92	1.94
(1,789)	1:A:66:LYS:HA	1:B:69:SER:HG	20	1.91	0.92	1.94
(1,789)	1:B:66:LYS:HA	1:A:69:SER:HG	20	1.91	0.92	1.94
(1,789)	1:B:66:LYS:HA	1:B:69:SER:HG	20	1.91	0.92	1.94
(1,267)	1:A:86:LYS:H	1:A:61:ILE:HG13	20	1.89	0.12	1.87
(1,267)	1:A:86:LYS:H	1:B:61:ILE:HG13	20	1.89	0.12	1.87
(1,267)	1:B:86:LYS:H	1:A:61:ILE:HG13	20	1.89	0.12	1.87
(1,267)	1:B:86:LYS:H	1:B:61:ILE:HG13	20	1.89	0.12	1.87
(1,774)	1:A:86:LYS:HD3	1:A:88:LEU:H	20	1.84	0.25	1.83
(1,774)	1:A:86:LYS:HD3	1:B:88:LEU:H	20	1.84	0.25	1.83
(1,774)	1:B:86:LYS:HD3	1:A:88:LEU:H	20	1.84	0.25	1.83
(1,774)	1:B:86:LYS:HD3	1:B:88:LEU:H	20	1.84	0.25	1.83
(1,394)	1:A:67:LYS:H	1:A:69:SER:H	20	1.79	0.13	1.79
(1,394)	1:A:67:LYS:H	1:B:69:SER:H	20	1.79	0.13	1.79

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,394)	1:B:67:LYS:H	1:A:69:SER:H	20	1.79	0.13	1.79
(1,394)	1:B:67:LYS:H	1:B:69:SER:H	20	1.79	0.13	1.79
(1,259)	1:A:56:GLN:HG3	1:A:82:GLU:H	20	1.74	0.16	1.71
(1,259)	1:A:56:GLN:HG3	1:B:82:GLU:H	20	1.74	0.16	1.71
(1,259)	1:B:56:GLN:HG3	1:A:82:GLU:H	20	1.74	0.16	1.71
(1,259)	1:B:56:GLN:HG3	1:B:82:GLU:H	20	1.74	0.16	1.71
(1,370)	1:A:66:LYS:HA	1:A:69:SER:H	20	1.68	0.18	1.7
(1,370)	1:A:66:LYS:HA	1:B:69:SER:H	20	1.68	0.18	1.7
(1,370)	1:B:66:LYS:HA	1:A:69:SER:H	20	1.68	0.18	1.7
(1,370)	1:B:66:LYS:HA	1:B:69:SER:H	20	1.68	0.18	1.7
(1,358)	1:A:67:LYS:HA	1:A:69:SER:H	20	1.68	0.09	1.68
(1,358)	1:A:67:LYS:HA	1:B:69:SER:H	20	1.68	0.09	1.68
(1,358)	1:B:67:LYS:HA	1:A:69:SER:H	20	1.68	0.09	1.68
(1,358)	1:B:67:LYS:HA	1:B:69:SER:H	20	1.68	0.09	1.68
(1,783)	1:A:64:ALA:HB1	1:A:67:LYS:H	20	1.65	0.11	1.66
(1,783)	1:A:64:ALA:HB1	1:B:67:LYS:H	20	1.65	0.11	1.66
(1,783)	1:A:64:ALA:HB2	1:A:67:LYS:H	20	1.65	0.11	1.66
(1,783)	1:A:64:ALA:HB2	1:B:67:LYS:H	20	1.65	0.11	1.66
(1,783)	1:A:64:ALA:HB3	1:A:67:LYS:H	20	1.65	0.11	1.66
(1,783)	1:A:64:ALA:HB3	1:B:67:LYS:H	20	1.65	0.11	1.66
(1,783)	1:B:64:ALA:HB1	1:A:67:LYS:H	20	1.65	0.11	1.66
(1,783)	1:B:64:ALA:HB1	1:B:67:LYS:H	20	1.65	0.11	1.66
(1,783)	1:B:64:ALA:HB2	1:A:67:LYS:H	20	1.65	0.11	1.66
(1,783)	1:B:64:ALA:HB2	1:B:67:LYS:H	20	1.65	0.11	1.66
(1,783)	1:B:64:ALA:HB3	1:A:67:LYS:H	20	1.65	0.11	1.66
(1,783)	1:B:64:ALA:HB3	1:B:67:LYS:H	20	1.65	0.11	1.66
(1,833)	1:A:87:HIS:HD1	1:A:92:GLN:H	20	1.64	0.27	1.59
(1,833)	1:A:87:HIS:HD1	1:B:92:GLN:H	20	1.64	0.27	1.59
(1,833)	1:A:87:HIS:HD2	1:A:92:GLN:H	20	1.64	0.27	1.59
(1,833)	1:A:87:HIS:HD2	1:B:92:GLN:H	20	1.64	0.27	1.59
(1,833)	1:B:87:HIS:HD1	1:A:92:GLN:H	20	1.64	0.27	1.59
(1,833)	1:B:87:HIS:HD1	1:B:92:GLN:H	20	1.64	0.27	1.59
(1,833)	1:B:87:HIS:HD2	1:A:92:GLN:H	20	1.64	0.27	1.59
(1,833)	1:B:87:HIS:HD2	1:B:92:GLN:H	20	1.64	0.27	1.59
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB2	20	1.64	0.3	1.7
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB3	20	1.64	0.3	1.7
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB2	20	1.64	0.3	1.7
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB3	20	1.64	0.3	1.7
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB2	20	1.64	0.3	1.7
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB3	20	1.64	0.3	1.7
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB2	20	1.64	0.3	1.7
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB3	20	1.64	0.3	1.7

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,769)	1:A:50:ILE:HG21	1:A:79:ASP:H	20	1.6	0.14	1.64
(1,769)	1:A:50:ILE:HG21	1:B:79:ASP:H	20	1.6	0.14	1.64
(1,769)	1:B:50:ILE:HG21	1:A:79:ASP:H	20	1.6	0.14	1.64
(1,769)	1:B:50:ILE:HG21	1:B:79:ASP:H	20	1.6	0.14	1.64
(1,769)	1:B:50:ILE:HG22	1:A:79:ASP:H	20	1.6	0.14	1.64
(1,769)	1:B:50:ILE:HG22	1:B:79:ASP:H	20	1.6	0.14	1.64
(1,769)	1:B:50:ILE:HG23	1:A:79:ASP:H	20	1.6	0.14	1.64
(1,769)	1:B:50:ILE:HG23	1:B:79:ASP:H	20	1.6	0.14	1.64
(1,832)	1:A:87:HIS:HD1	1:A:91:LEU:HA	20	1.57	0.27	1.52
(1,832)	1:A:87:HIS:HD1	1:B:91:LEU:HA	20	1.57	0.27	1.52
(1,832)	1:A:87:HIS:HD2	1:A:91:LEU:HA	20	1.57	0.27	1.52
(1,832)	1:A:87:HIS:HD2	1:B:91:LEU:HA	20	1.57	0.27	1.52
(1,832)	1:B:87:HIS:HD1	1:A:91:LEU:HA	20	1.57	0.27	1.52
(1,832)	1:B:87:HIS:HD1	1:B:91:LEU:HA	20	1.57	0.27	1.52
(1,832)	1:B:87:HIS:HD2	1:A:91:LEU:HA	20	1.57	0.27	1.52
(1,832)	1:B:87:HIS:HD2	1:B:91:LEU:HA	20	1.57	0.27	1.52
(1,647)	1:A:90:ASN:HB2	1:A:65:LEU:HD11	20	1.55	0.28	1.59
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD11	20	1.55	0.28	1.59
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD12	20	1.55	0.28	1.59
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD13	20	1.55	0.28	1.59
(1,647)	1:A:90:ASN:HB3	1:A:65:LEU:HD11	20	1.55	0.28	1.59
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD11	20	1.55	0.28	1.59
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD12	20	1.55	0.28	1.59
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD13	20	1.55	0.28	1.59
(1,647)	1:B:90:ASN:HB2	1:A:65:LEU:HD11	20	1.55	0.28	1.59
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD11	20	1.55	0.28	1.59
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD12	20	1.55	0.28	1.59
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD13	20	1.55	0.28	1.59
(1,647)	1:B:90:ASN:HB3	1:A:65:LEU:HD11	20	1.55	0.28	1.59
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD11	20	1.55	0.28	1.59
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD12	20	1.55	0.28	1.59
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD13	20	1.55	0.28	1.59
(1,746)	1:A:87:HIS:HD1	1:A:92:GLN:H	20	1.51	0.43	1.53
(1,746)	1:A:87:HIS:HD1	1:B:92:GLN:H	20	1.51	0.43	1.53
(1,746)	1:B:87:HIS:HD1	1:A:92:GLN:H	20	1.51	0.43	1.53
(1,746)	1:B:87:HIS:HD1	1:B:92:GLN:H	20	1.51	0.43	1.53
(1,431)	1:A:71:ARG:HG2	1:A:75:LEU:HA	20	1.5	0.27	1.47
(1,431)	1:A:71:ARG:HG2	1:B:75:LEU:HA	20	1.5	0.27	1.47
(1,431)	1:B:71:ARG:HG2	1:A:75:LEU:HA	20	1.5	0.27	1.47
(1,431)	1:B:71:ARG:HG2	1:B:75:LEU:HA	20	1.5	0.27	1.47
(1,747)	1:A:87:HIS:HD2	1:A:92:GLN:H	20	1.5	0.37	1.35
(1,747)	1:A:87:HIS:HD2	1:B:92:GLN:H	20	1.5	0.37	1.35

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,747)	1:B:87:HIS:HD2	1:A:92:GLN:H	20	1.5	0.37	1.35
(1,747)	1:B:87:HIS:HD2	1:B:92:GLN:H	20	1.5	0.37	1.35
(1,65)	1:A:56:GLN:HG2	1:A:82:GLU:H	20	1.48	0.16	1.49
(1,65)	1:A:56:GLN:HG2	1:B:82:GLU:H	20	1.48	0.16	1.49
(1,65)	1:B:56:GLN:HG2	1:A:82:GLU:H	20	1.48	0.16	1.49
(1,65)	1:B:56:GLN:HG2	1:B:82:GLU:H	20	1.48	0.16	1.49
(1,817)	1:A:60:LEU:HD11	1:A:88:LEU:HB2	20	1.47	0.34	1.46
(1,817)	1:A:60:LEU:HD11	1:B:88:LEU:HB2	20	1.47	0.34	1.46
(1,817)	1:B:60:LEU:HD11	1:A:88:LEU:HB2	20	1.47	0.34	1.46
(1,817)	1:B:60:LEU:HD11	1:B:88:LEU:HB2	20	1.47	0.34	1.46
(1,817)	1:B:60:LEU:HD12	1:A:88:LEU:HB2	20	1.47	0.34	1.46
(1,817)	1:B:60:LEU:HD12	1:B:88:LEU:HB2	20	1.47	0.34	1.46
(1,817)	1:B:60:LEU:HD13	1:A:88:LEU:HB2	20	1.47	0.34	1.46
(1,817)	1:B:60:LEU:HD13	1:B:88:LEU:HB2	20	1.47	0.34	1.46
(1,817)	1:B:60:LEU:HD21	1:A:88:LEU:HB2	20	1.47	0.34	1.46
(1,817)	1:B:60:LEU:HD21	1:B:88:LEU:HB2	20	1.47	0.34	1.46
(1,817)	1:B:60:LEU:HD22	1:A:88:LEU:HB2	20	1.47	0.34	1.46
(1,817)	1:B:60:LEU:HD22	1:B:88:LEU:HB2	20	1.47	0.34	1.46
(1,817)	1:B:60:LEU:HD23	1:A:88:LEU:HB2	20	1.47	0.34	1.46
(1,817)	1:B:60:LEU:HD23	1:B:88:LEU:HB2	20	1.47	0.34	1.46
(1,764)	1:A:86:LYS:HG2	1:A:90:ASN:H	20	1.42	0.09	1.4
(1,764)	1:A:86:LYS:HG2	1:B:90:ASN:H	20	1.42	0.09	1.4
(1,764)	1:B:86:LYS:HG2	1:A:90:ASN:H	20	1.42	0.09	1.4
(1,764)	1:B:86:LYS:HG2	1:B:90:ASN:H	20	1.42	0.09	1.4
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB2	20	1.31	0.33	1.4
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB3	20	1.31	0.33	1.4
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB2	20	1.31	0.33	1.4
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB3	20	1.31	0.33	1.4
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB2	20	1.31	0.33	1.4
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB3	20	1.31	0.33	1.4
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB2	20	1.31	0.33	1.4
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB3	20	1.31	0.33	1.4
(1,816)	1:A:60:LEU:HD11	1:A:86:LYS:H	20	1.24	0.52	1.46
(1,816)	1:A:60:LEU:HD11	1:B:86:LYS:H	20	1.24	0.52	1.46
(1,816)	1:B:60:LEU:HD11	1:A:86:LYS:H	20	1.24	0.52	1.46
(1,816)	1:B:60:LEU:HD11	1:B:86:LYS:H	20	1.24	0.52	1.46
(1,816)	1:B:60:LEU:HD12	1:A:86:LYS:H	20	1.24	0.52	1.46
(1,816)	1:B:60:LEU:HD12	1:B:86:LYS:H	20	1.24	0.52	1.46
(1,816)	1:B:60:LEU:HD13	1:A:86:LYS:H	20	1.24	0.52	1.46
(1,816)	1:B:60:LEU:HD13	1:B:86:LYS:H	20	1.24	0.52	1.46
(1,816)	1:B:60:LEU:HD21	1:A:86:LYS:H	20	1.24	0.52	1.46
(1,816)	1:B:60:LEU:HD21	1:B:86:LYS:H	20	1.24	0.52	1.46

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,816)	1:B:60:LEU:HD22	1:A:86:LYS:H	20	1.24	0.52	1.46
(1,816)	1:B:60:LEU:HD22	1:B:86:LYS:H	20	1.24	0.52	1.46
(1,816)	1:B:60:LEU:HD23	1:A:86:LYS:H	20	1.24	0.52	1.46
(1,816)	1:B:60:LEU:HD23	1:B:86:LYS:H	20	1.24	0.52	1.46
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD21	20	1.19	0.09	1.16
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD22	20	1.19	0.09	1.16
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD21	20	1.19	0.09	1.16
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD22	20	1.19	0.09	1.16
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD21	20	1.19	0.09	1.16
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD22	20	1.19	0.09	1.16
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD21	20	1.19	0.09	1.16
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD22	20	1.19	0.09	1.16
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD21	20	1.19	0.09	1.16
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD22	20	1.19	0.09	1.16
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD21	20	1.19	0.09	1.16
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD22	20	1.19	0.09	1.16
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD21	20	1.19	0.09	1.16
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD22	20	1.19	0.09	1.16
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD21	20	1.19	0.09	1.16
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD22	20	1.19	0.09	1.16
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG2	20	1.17	0.07	1.18
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG3	20	1.17	0.07	1.18
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG2	20	1.17	0.07	1.18
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG3	20	1.17	0.07	1.18
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG2	20	1.17	0.07	1.18
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG3	20	1.17	0.07	1.18
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG2	20	1.17	0.07	1.18
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG3	20	1.17	0.07	1.18
(1,731)	1:A:86:LYS:HD3	1:A:87:HIS:HA	20	1.17	0.44	1.08
(1,731)	1:A:86:LYS:HD3	1:B:87:HIS:HA	20	1.17	0.44	1.08
(1,731)	1:B:86:LYS:HD3	1:A:87:HIS:HA	20	1.17	0.44	1.08
(1,731)	1:B:86:LYS:HD3	1:B:87:HIS:HA	20	1.17	0.44	1.08
(1,450)	1:A:56:GLN:HG3	1:A:84:THR:HB	20	1.14	0.08	1.14
(1,450)	1:A:56:GLN:HG3	1:B:84:THR:HB	20	1.14	0.08	1.14
(1,450)	1:B:56:GLN:HG3	1:A:84:THR:HB	20	1.14	0.08	1.14
(1,450)	1:B:56:GLN:HG3	1:B:84:THR:HB	20	1.14	0.08	1.14
(1,41)	1:A:67:LYS:HG2	1:A:69:SER:H	20	1.14	0.1	1.15
(1,41)	1:A:67:LYS:HG2	1:B:69:SER:H	20	1.14	0.1	1.15
(1,41)	1:A:67:LYS:HG3	1:A:69:SER:H	20	1.14	0.1	1.15
(1,41)	1:A:67:LYS:HG3	1:B:69:SER:H	20	1.14	0.1	1.15
(1,41)	1:B:67:LYS:HG2	1:A:69:SER:H	20	1.14	0.1	1.15
(1,41)	1:B:67:LYS:HG2	1:B:69:SER:H	20	1.14	0.1	1.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,41)	1:B:67:LYS:HG3	1:A:69:SER:H	20	1.14	0.1	1.15
(1,41)	1:B:67:LYS:HG3	1:B:69:SER:H	20	1.14	0.1	1.15
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG21	20	1.1	0.05	1.09
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG22	20	1.1	0.05	1.09
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG23	20	1.1	0.05	1.09
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG21	20	1.1	0.05	1.09
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG22	20	1.1	0.05	1.09
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG23	20	1.1	0.05	1.09
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG21	20	1.1	0.05	1.09
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG22	20	1.1	0.05	1.09
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG23	20	1.1	0.05	1.09
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG21	20	1.1	0.05	1.09
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG22	20	1.1	0.05	1.09
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG23	20	1.1	0.05	1.09
(1,760)	1:A:86:LYS:HG2	1:A:87:HIS:H	20	1.04	0.12	1.08
(1,760)	1:A:86:LYS:HG2	1:B:87:HIS:H	20	1.04	0.12	1.08
(1,760)	1:B:86:LYS:HG2	1:A:87:HIS:H	20	1.04	0.12	1.08
(1,760)	1:B:86:LYS:HG2	1:B:87:HIS:H	20	1.04	0.12	1.08
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE21	20	1.03	0.24	1.01
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE22	20	1.03	0.24	1.01
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE21	20	1.03	0.24	1.01
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE22	20	1.03	0.24	1.01
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE21	20	1.03	0.24	1.01
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE22	20	1.03	0.24	1.01
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE21	20	1.03	0.24	1.01
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE22	20	1.03	0.24	1.01
(1,458)	1:A:76:GLU:HB3	1:A:80:ILE:HB	20	1.02	0.11	1.02
(1,458)	1:A:76:GLU:HB3	1:B:80:ILE:HB	20	1.02	0.11	1.02
(1,458)	1:B:76:GLU:HB3	1:A:80:ILE:HB	20	1.02	0.11	1.02
(1,458)	1:B:76:GLU:HB3	1:B:80:ILE:HB	20	1.02	0.11	1.02
(1,669)	1:A:88:LEU:HB3	1:A:91:LEU:HG	20	1.01	0.32	1.11
(1,669)	1:A:88:LEU:HB3	1:B:91:LEU:HG	20	1.01	0.32	1.11
(1,669)	1:B:88:LEU:HB3	1:A:91:LEU:HG	20	1.01	0.32	1.11
(1,669)	1:B:88:LEU:HB3	1:B:91:LEU:HG	20	1.01	0.32	1.11
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG21	20	0.97	0.07	1.0
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG22	20	0.97	0.07	1.0
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG23	20	0.97	0.07	1.0
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG21	20	0.97	0.07	1.0
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG22	20	0.97	0.07	1.0
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG23	20	0.97	0.07	1.0
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG21	20	0.97	0.07	1.0
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG22	20	0.97	0.07	1.0

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG23	20	0.97	0.07	1.0
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG21	20	0.97	0.07	1.0
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG22	20	0.97	0.07	1.0
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG23	20	0.97	0.07	1.0
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG21	20	0.97	0.07	1.0
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG22	20	0.97	0.07	1.0
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG23	20	0.97	0.07	1.0
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG21	20	0.97	0.07	1.0
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG22	20	0.97	0.07	1.0
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG23	20	0.97	0.07	1.0
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG21	20	0.97	0.07	1.0
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG22	20	0.97	0.07	1.0
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG23	20	0.97	0.07	1.0
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG21	20	0.97	0.07	1.0
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG22	20	0.97	0.07	1.0
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG23	20	0.97	0.07	1.0
(1,270)	1:A:79:ASP:H	1:A:54:LEU:HD21	20	0.97	0.22	0.95
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD21	20	0.97	0.22	0.95
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD22	20	0.97	0.22	0.95
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD23	20	0.97	0.22	0.95
(1,270)	1:B:79:ASP:H	1:A:54:LEU:HD21	20	0.97	0.22	0.95
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD21	20	0.97	0.22	0.95
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD22	20	0.97	0.22	0.95
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD23	20	0.97	0.22	0.95
(1,803)	1:A:57:LEU:HD11	1:A:83:MET:H	20	0.97	0.09	0.96
(1,803)	1:A:57:LEU:HD11	1:B:83:MET:H	20	0.97	0.09	0.96
(1,803)	1:B:57:LEU:HD11	1:A:83:MET:H	20	0.97	0.09	0.96
(1,803)	1:B:57:LEU:HD11	1:B:83:MET:H	20	0.97	0.09	0.96
(1,803)	1:B:57:LEU:HD12	1:A:83:MET:H	20	0.97	0.09	0.96
(1,803)	1:B:57:LEU:HD12	1:B:83:MET:H	20	0.97	0.09	0.96
(1,803)	1:B:57:LEU:HD13	1:A:83:MET:H	20	0.97	0.09	0.96
(1,803)	1:B:57:LEU:HD13	1:B:83:MET:H	20	0.97	0.09	0.96
(1,803)	1:B:57:LEU:HD21	1:A:83:MET:H	20	0.97	0.09	0.96
(1,803)	1:B:57:LEU:HD21	1:B:83:MET:H	20	0.97	0.09	0.96
(1,803)	1:B:57:LEU:HD22	1:A:83:MET:H	20	0.97	0.09	0.96
(1,803)	1:B:57:LEU:HD22	1:B:83:MET:H	20	0.97	0.09	0.96
(1,803)	1:B:57:LEU:HD23	1:A:83:MET:H	20	0.97	0.09	0.96
(1,803)	1:B:57:LEU:HD23	1:B:83:MET:H	20	0.97	0.09	0.96
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD21	20	0.95	0.07	0.94
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD22	20	0.95	0.07	0.94
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD21	20	0.95	0.07	0.94
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD22	20	0.95	0.07	0.94

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD21	20	0.95	0.07	0.94
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD22	20	0.95	0.07	0.94
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD21	20	0.95	0.07	0.94
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD22	20	0.95	0.07	0.94
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG2	20	0.92	0.17	0.92
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG3	20	0.92	0.17	0.92
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG2	20	0.92	0.17	0.92
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG3	20	0.92	0.17	0.92
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG2	20	0.92	0.17	0.92
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG3	20	0.92	0.17	0.92
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG2	20	0.92	0.17	0.92
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG3	20	0.92	0.17	0.92
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG2	20	0.92	0.17	0.92
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG3	20	0.92	0.17	0.92
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG2	20	0.92	0.17	0.92
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG3	20	0.92	0.17	0.92
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG2	20	0.92	0.17	0.92
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG3	20	0.92	0.17	0.92
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG2	20	0.92	0.17	0.92
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG3	20	0.92	0.17	0.92
(1,35)	1:A:66:LYS:HG2	1:A:67:LYS:H	20	0.82	0.17	0.82
(1,35)	1:A:66:LYS:HG2	1:B:67:LYS:H	20	0.82	0.17	0.82
(1,35)	1:B:66:LYS:HG2	1:A:67:LYS:H	20	0.82	0.17	0.82
(1,35)	1:B:66:LYS:HG2	1:B:67:LYS:H	20	0.82	0.17	0.82
(1,487)	1:A:88:LEU:HA	1:A:91:LEU:HA	20	0.77	0.13	0.79
(1,487)	1:A:88:LEU:HA	1:B:91:LEU:HA	20	0.77	0.13	0.79
(1,487)	1:B:88:LEU:HA	1:A:91:LEU:HA	20	0.77	0.13	0.79
(1,487)	1:B:88:LEU:HA	1:B:91:LEU:HA	20	0.77	0.13	0.79
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG2	20	0.74	0.05	0.72
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG3	20	0.74	0.05	0.72
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG2	20	0.74	0.05	0.72
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG3	20	0.74	0.05	0.72
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG2	20	0.74	0.05	0.72
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG3	20	0.74	0.05	0.72
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG2	20	0.74	0.05	0.72
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG3	20	0.74	0.05	0.72
(1,483)	1:A:76:GLU:HA	1:A:80:ILE:HB	20	0.71	0.12	0.74
(1,483)	1:A:76:GLU:HA	1:B:80:ILE:HB	20	0.71	0.12	0.74
(1,483)	1:B:76:GLU:HA	1:A:80:ILE:HB	20	0.71	0.12	0.74
(1,483)	1:B:76:GLU:HA	1:B:80:ILE:HB	20	0.71	0.12	0.74
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG21	20	0.65	0.05	0.65
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG22	20	0.65	0.05	0.65

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG23	20	0.65	0.05	0.65
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG21	20	0.65	0.05	0.65
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG22	20	0.65	0.05	0.65
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG23	20	0.65	0.05	0.65
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG21	20	0.65	0.05	0.65
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG22	20	0.65	0.05	0.65
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG23	20	0.65	0.05	0.65
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG21	20	0.65	0.05	0.65
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG22	20	0.65	0.05	0.65
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG23	20	0.65	0.05	0.65
(1,277)	1:A:54:LEU:HD21	1:A:80:ILE:H	20	0.6	0.22	0.6
(1,277)	1:A:54:LEU:HD21	1:B:80:ILE:H	20	0.6	0.22	0.6
(1,277)	1:B:54:LEU:HD21	1:A:80:ILE:H	20	0.6	0.22	0.6
(1,277)	1:B:54:LEU:HD21	1:B:80:ILE:H	20	0.6	0.22	0.6
(1,277)	1:B:54:LEU:HD22	1:A:80:ILE:H	20	0.6	0.22	0.6
(1,277)	1:B:54:LEU:HD22	1:B:80:ILE:H	20	0.6	0.22	0.6
(1,277)	1:B:54:LEU:HD23	1:A:80:ILE:H	20	0.6	0.22	0.6
(1,277)	1:B:54:LEU:HD23	1:B:80:ILE:H	20	0.6	0.22	0.6
(1,754)	1:A:86:LYS:HD3	1:A:87:HIS:H	20	0.58	0.21	0.54
(1,754)	1:A:86:LYS:HD3	1:B:87:HIS:H	20	0.58	0.21	0.54
(1,754)	1:B:86:LYS:HD3	1:A:87:HIS:H	20	0.58	0.21	0.54
(1,754)	1:B:86:LYS:HD3	1:B:87:HIS:H	20	0.58	0.21	0.54
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD2	20	0.58	0.11	0.62
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD3	20	0.58	0.11	0.62
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD2	20	0.58	0.11	0.62
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD3	20	0.58	0.11	0.62
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD2	20	0.58	0.11	0.62
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD3	20	0.58	0.11	0.62
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD2	20	0.58	0.11	0.62
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD3	20	0.58	0.11	0.62
(1,552)	1:A:93:ARG:HB3	1:A:94:ALA:HA	20	0.57	0.07	0.57
(1,552)	1:A:93:ARG:HB3	1:B:94:ALA:HA	20	0.57	0.07	0.57
(1,552)	1:B:93:ARG:HB3	1:A:94:ALA:HA	20	0.57	0.07	0.57
(1,552)	1:B:93:ARG:HB3	1:B:94:ALA:HA	20	0.57	0.07	0.57
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB2	20	0.52	0.16	0.53
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB3	20	0.52	0.16	0.53
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB2	20	0.52	0.16	0.53
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB3	20	0.52	0.16	0.53
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB2	20	0.52	0.16	0.53
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB3	20	0.52	0.16	0.53
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB2	20	0.52	0.16	0.53
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB3	20	0.52	0.16	0.53

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,50)	1:A:68:ASP:HA	1:A:71:ARG:H	20	0.41	0.11	0.43
(1,50)	1:A:68:ASP:HA	1:B:71:ARG:H	20	0.41	0.11	0.43
(1,50)	1:B:68:ASP:HA	1:A:71:ARG:H	20	0.41	0.11	0.43
(1,50)	1:B:68:ASP:HA	1:B:71:ARG:H	20	0.41	0.11	0.43
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB2	20	0.4	0.14	0.42
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB3	20	0.4	0.14	0.42
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB2	20	0.4	0.14	0.42
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB3	20	0.4	0.14	0.42
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB2	20	0.4	0.14	0.42
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB3	20	0.4	0.14	0.42
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB2	20	0.4	0.14	0.42
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB3	20	0.4	0.14	0.42
(1,96)	1:A:90:ASN:HB2	1:A:92:GLN:H	20	0.38	0.04	0.38
(1,96)	1:A:90:ASN:HB2	1:B:92:GLN:H	20	0.38	0.04	0.38
(1,96)	1:A:90:ASN:HB3	1:A:92:GLN:H	20	0.38	0.04	0.38
(1,96)	1:A:90:ASN:HB3	1:B:92:GLN:H	20	0.38	0.04	0.38
(1,96)	1:B:90:ASN:HB2	1:A:92:GLN:H	20	0.38	0.04	0.38
(1,96)	1:B:90:ASN:HB2	1:B:92:GLN:H	20	0.38	0.04	0.38
(1,96)	1:B:90:ASN:HB3	1:A:92:GLN:H	20	0.38	0.04	0.38
(1,96)	1:B:90:ASN:HB3	1:B:92:GLN:H	20	0.38	0.04	0.38
(1,274)	1:A:86:LYS:HG2	1:A:89:ARG:H	20	0.36	0.12	0.36
(1,274)	1:A:86:LYS:HG2	1:B:89:ARG:H	20	0.36	0.12	0.36
(1,274)	1:B:86:LYS:HG2	1:A:89:ARG:H	20	0.36	0.12	0.36
(1,274)	1:B:86:LYS:HG2	1:B:89:ARG:H	20	0.36	0.12	0.36
(1,957)	1:A:86:LYS:N	1:A:82:GLU:O	20	0.33	0.01	0.33
(1,957)	1:A:86:LYS:N	1:B:82:GLU:O	20	0.33	0.01	0.33
(1,957)	1:B:86:LYS:N	1:A:82:GLU:O	20	0.33	0.01	0.33
(1,957)	1:B:86:LYS:N	1:B:82:GLU:O	20	0.33	0.01	0.33
(1,977)	1:A:86:LYS:N	1:A:82:GLU:O	20	0.33	0.01	0.33
(1,977)	1:A:86:LYS:N	1:B:82:GLU:O	20	0.33	0.01	0.33
(1,977)	1:B:86:LYS:N	1:A:82:GLU:O	20	0.33	0.01	0.33
(1,977)	1:B:86:LYS:N	1:B:82:GLU:O	20	0.33	0.01	0.33
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD21	20	0.32	0.02	0.32
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD22	20	0.32	0.02	0.32
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD21	20	0.32	0.02	0.32
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD22	20	0.32	0.02	0.32
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD21	20	0.32	0.02	0.32
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD22	20	0.32	0.02	0.32
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD21	20	0.32	0.02	0.32
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD22	20	0.32	0.02	0.32
(1,609)	1:A:92:GLN:HB2	1:A:93:ARG:HB2	20	0.32	0.1	0.33
(1,609)	1:A:92:GLN:HB2	1:B:93:ARG:HB2	20	0.32	0.1	0.33

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,609)	1:A:92:GLN:HB3	1:A:93:ARG:HB2	20	0.32	0.1	0.33
(1,609)	1:A:92:GLN:HB3	1:B:93:ARG:HB2	20	0.32	0.1	0.33
(1,609)	1:B:92:GLN:HB2	1:A:93:ARG:HB2	20	0.32	0.1	0.33
(1,609)	1:B:92:GLN:HB2	1:B:93:ARG:HB2	20	0.32	0.1	0.33
(1,609)	1:B:92:GLN:HB3	1:A:93:ARG:HB2	20	0.32	0.1	0.33
(1,609)	1:B:92:GLN:HB3	1:B:93:ARG:HB2	20	0.32	0.1	0.33
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB2	20	0.31	0.08	0.32
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB3	20	0.31	0.08	0.32
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB2	20	0.31	0.08	0.32
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB3	20	0.31	0.08	0.32
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB2	20	0.31	0.08	0.32
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB3	20	0.31	0.08	0.32
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB2	20	0.31	0.08	0.32
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB3	20	0.31	0.08	0.32
(1,738)	1:A:76:GLU:HA	1:A:79:ASP:HB2	20	0.27	0.12	0.24
(1,738)	1:A:76:GLU:HA	1:B:79:ASP:HB2	20	0.27	0.12	0.24
(1,738)	1:B:76:GLU:HA	1:A:79:ASP:HB2	20	0.27	0.12	0.24
(1,738)	1:B:76:GLU:HA	1:B:79:ASP:HB2	20	0.27	0.12	0.24
(1,989)	1:A:92:GLN:N	1:A:88:LEU:O	20	0.26	0.04	0.24
(1,989)	1:A:92:GLN:N	1:B:88:LEU:O	20	0.26	0.04	0.24
(1,989)	1:B:92:GLN:N	1:A:88:LEU:O	20	0.26	0.04	0.24
(1,989)	1:B:92:GLN:N	1:B:88:LEU:O	20	0.26	0.04	0.24
(1,782)	1:A:64:ALA:HB1	1:A:66:LYS:H	20	0.25	0.05	0.24
(1,782)	1:A:64:ALA:HB1	1:B:66:LYS:H	20	0.25	0.05	0.24
(1,782)	1:A:64:ALA:HB2	1:A:66:LYS:H	20	0.25	0.05	0.24
(1,782)	1:A:64:ALA:HB2	1:B:66:LYS:H	20	0.25	0.05	0.24
(1,782)	1:A:64:ALA:HB3	1:A:66:LYS:H	20	0.25	0.05	0.24
(1,782)	1:A:64:ALA:HB3	1:B:66:LYS:H	20	0.25	0.05	0.24
(1,782)	1:B:64:ALA:HB1	1:A:66:LYS:H	20	0.25	0.05	0.24
(1,782)	1:B:64:ALA:HB1	1:B:66:LYS:H	20	0.25	0.05	0.24
(1,782)	1:B:64:ALA:HB2	1:A:66:LYS:H	20	0.25	0.05	0.24
(1,782)	1:B:64:ALA:HB2	1:B:66:LYS:H	20	0.25	0.05	0.24
(1,782)	1:B:64:ALA:HB3	1:A:66:LYS:H	20	0.25	0.05	0.24
(1,782)	1:B:64:ALA:HB3	1:B:66:LYS:H	20	0.25	0.05	0.24
(1,12)	1:A:61:ILE:HA	1:A:62:LEU:H	20	0.22	0.01	0.22
(1,12)	1:A:61:ILE:HA	1:B:62:LEU:H	20	0.22	0.01	0.22
(1,12)	1:B:61:ILE:HA	1:A:62:LEU:H	20	0.22	0.01	0.22
(1,12)	1:B:61:ILE:HA	1:B:62:LEU:H	20	0.22	0.01	0.22
(1,956)	1:A:86:LYS:H	1:A:82:GLU:O	20	0.19	0.01	0.19
(1,956)	1:A:86:LYS:H	1:B:82:GLU:O	20	0.19	0.01	0.19
(1,956)	1:B:86:LYS:H	1:A:82:GLU:O	20	0.19	0.01	0.19
(1,956)	1:B:86:LYS:H	1:B:82:GLU:O	20	0.19	0.01	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,976)	1:A:86:LYS:H	1:A:82:GLU:O	20	0.19	0.01	0.19
(1,976)	1:A:86:LYS:H	1:B:82:GLU:O	20	0.19	0.01	0.19
(1,976)	1:B:86:LYS:H	1:A:82:GLU:O	20	0.19	0.01	0.19
(1,976)	1:B:86:LYS:H	1:B:82:GLU:O	20	0.19	0.01	0.19
(1,835)	1:A:87:HIS:HD1	1:A:67:LYS:HD2	19	2.66	0.74	2.84
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD2	19	2.66	0.74	2.84
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD3	19	2.66	0.74	2.84
(1,835)	1:A:87:HIS:HD2	1:A:67:LYS:HD2	19	2.66	0.74	2.84
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD2	19	2.66	0.74	2.84
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD3	19	2.66	0.74	2.84
(1,835)	1:B:87:HIS:HD1	1:A:67:LYS:HD2	19	2.66	0.74	2.84
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD2	19	2.66	0.74	2.84
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD3	19	2.66	0.74	2.84
(1,835)	1:B:87:HIS:HD2	1:A:67:LYS:HD2	19	2.66	0.74	2.84
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD2	19	2.66	0.74	2.84
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD3	19	2.66	0.74	2.84
(1,744)	1:A:66:LYS:HD3	1:A:67:LYS:H	19	1.24	0.5	1.58
(1,744)	1:A:66:LYS:HD3	1:B:67:LYS:H	19	1.24	0.5	1.58
(1,744)	1:B:66:LYS:HD3	1:A:67:LYS:H	19	1.24	0.5	1.58
(1,744)	1:B:66:LYS:HD3	1:B:67:LYS:H	19	1.24	0.5	1.58
(1,700)	1:A:87:HIS:HD1	1:A:91:LEU:HA	19	0.98	0.56	0.88
(1,700)	1:A:87:HIS:HD1	1:B:91:LEU:HA	19	0.98	0.56	0.88
(1,700)	1:B:87:HIS:HD1	1:A:91:LEU:HA	19	0.98	0.56	0.88
(1,700)	1:B:87:HIS:HD1	1:B:91:LEU:HA	19	0.98	0.56	0.88
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB2	19	0.51	0.2	0.52
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB3	19	0.51	0.2	0.52
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB2	19	0.51	0.2	0.52
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB3	19	0.51	0.2	0.52
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB2	19	0.51	0.2	0.52
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB3	19	0.51	0.2	0.52
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB2	19	0.51	0.2	0.52
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB3	19	0.51	0.2	0.52
(1,709)	1:A:86:LYS:HA	1:A:86:LYS:HD3	19	0.48	0.22	0.46
(1,709)	1:A:86:LYS:HA	1:B:86:LYS:HD3	19	0.48	0.22	0.46
(1,709)	1:B:86:LYS:HA	1:A:86:LYS:HD3	19	0.48	0.22	0.46
(1,709)	1:B:86:LYS:HA	1:B:86:LYS:HD3	19	0.48	0.22	0.46
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD1	19	0.39	0.11	0.41
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD2	19	0.39	0.11	0.41
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD1	19	0.39	0.11	0.41
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD2	19	0.39	0.11	0.41
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD1	19	0.39	0.11	0.41
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD2	19	0.39	0.11	0.41

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD1	19	0.39	0.11	0.41
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD2	19	0.39	0.11	0.41
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD1	19	0.39	0.11	0.41
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD2	19	0.39	0.11	0.41
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD1	19	0.39	0.11	0.41
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD2	19	0.39	0.11	0.41
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD1	19	0.39	0.11	0.41
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD2	19	0.39	0.11	0.41
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD1	19	0.39	0.11	0.41
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD2	19	0.39	0.11	0.41
(1,275)	1:A:86:LYS:HG2	1:A:88:LEU:H	19	0.3	0.09	0.32
(1,275)	1:A:86:LYS:HG2	1:B:88:LEU:H	19	0.3	0.09	0.32
(1,275)	1:B:86:LYS:HG2	1:A:88:LEU:H	19	0.3	0.09	0.32
(1,275)	1:B:86:LYS:HG2	1:B:88:LEU:H	19	0.3	0.09	0.32
(1,316)	1:A:90:ASN:H	1:A:91:LEU:HG	19	0.29	0.09	0.28
(1,316)	1:A:90:ASN:H	1:B:91:LEU:HG	19	0.29	0.09	0.28
(1,316)	1:B:90:ASN:H	1:A:91:LEU:HG	19	0.29	0.09	0.28
(1,316)	1:B:90:ASN:H	1:B:91:LEU:HG	19	0.29	0.09	0.28
(1,363)	1:A:68:ASP:HA	1:A:72:HIS:H	19	0.23	0.04	0.24
(1,363)	1:A:68:ASP:HA	1:B:72:HIS:H	19	0.23	0.04	0.24
(1,363)	1:B:68:ASP:HA	1:A:72:HIS:H	19	0.23	0.04	0.24
(1,363)	1:B:68:ASP:HA	1:B:72:HIS:H	19	0.23	0.04	0.24
(1,987)	1:A:91:LEU:N	1:A:87:HIS:O	19	0.21	0.04	0.21
(1,987)	1:A:91:LEU:N	1:B:87:HIS:O	19	0.21	0.04	0.21
(1,987)	1:B:91:LEU:N	1:A:87:HIS:O	19	0.21	0.04	0.21
(1,987)	1:B:91:LEU:N	1:B:87:HIS:O	19	0.21	0.04	0.21
(1,945)	1:A:80:ILE:N	1:A:76:GLU:O	19	0.2	0.04	0.21
(1,945)	1:A:80:ILE:N	1:B:76:GLU:O	19	0.2	0.04	0.21
(1,945)	1:B:80:ILE:N	1:A:76:GLU:O	19	0.2	0.04	0.21
(1,945)	1:B:80:ILE:N	1:B:76:GLU:O	19	0.2	0.04	0.21
(1,991)	1:A:93:ARG:N	1:A:89:ARG:O	19	0.18	0.04	0.2
(1,991)	1:A:93:ARG:N	1:B:89:ARG:O	19	0.18	0.04	0.2
(1,991)	1:B:93:ARG:N	1:A:89:ARG:O	19	0.18	0.04	0.2
(1,991)	1:B:93:ARG:N	1:B:89:ARG:O	19	0.18	0.04	0.2
(1,951)	1:A:83:MET:N	1:A:79:ASP:O	18	0.24	0.05	0.24
(1,951)	1:A:83:MET:N	1:B:79:ASP:O	18	0.24	0.05	0.24
(1,951)	1:B:83:MET:N	1:A:79:ASP:O	18	0.24	0.05	0.24
(1,951)	1:B:83:MET:N	1:B:79:ASP:O	18	0.24	0.05	0.24
(1,971)	1:A:83:MET:N	1:A:79:ASP:O	18	0.24	0.05	0.24
(1,971)	1:A:83:MET:N	1:B:79:ASP:O	18	0.24	0.05	0.24
(1,971)	1:B:83:MET:N	1:A:79:ASP:O	18	0.24	0.05	0.24
(1,971)	1:B:83:MET:N	1:B:79:ASP:O	18	0.24	0.05	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,959)	1:A:87:HIS:N	1:A:83:MET:O	18	0.21	0.03	0.2
(1,959)	1:A:87:HIS:N	1:B:83:MET:O	18	0.21	0.03	0.2
(1,959)	1:B:87:HIS:N	1:A:83:MET:O	18	0.21	0.03	0.2
(1,959)	1:B:87:HIS:N	1:B:83:MET:O	18	0.21	0.03	0.2
(1,979)	1:A:87:HIS:N	1:A:83:MET:O	18	0.21	0.03	0.2
(1,979)	1:A:87:HIS:N	1:B:83:MET:O	18	0.21	0.03	0.2
(1,979)	1:B:87:HIS:N	1:A:83:MET:O	18	0.21	0.03	0.2
(1,979)	1:B:87:HIS:N	1:B:83:MET:O	18	0.21	0.03	0.2
(1,936)	1:A:75:LEU:H	1:A:71:ARG:O	17	0.91	0.46	0.9
(1,936)	1:A:75:LEU:H	1:B:71:ARG:O	17	0.91	0.46	0.9
(1,936)	1:B:75:LEU:H	1:A:71:ARG:O	17	0.91	0.46	0.9
(1,936)	1:B:75:LEU:H	1:B:71:ARG:O	17	0.91	0.46	0.9
(1,934)	1:A:74:LYS:H	1:A:70:SER:O	17	0.68	0.31	0.7
(1,934)	1:A:74:LYS:H	1:B:70:SER:O	17	0.68	0.31	0.7
(1,934)	1:B:74:LYS:H	1:A:70:SER:O	17	0.68	0.31	0.7
(1,934)	1:B:74:LYS:H	1:B:70:SER:O	17	0.68	0.31	0.7
(1,788)	1:A:65:LEU:HG	1:A:66:LYS:H	17	0.64	0.29	0.79
(1,788)	1:A:65:LEU:HG	1:B:66:LYS:H	17	0.64	0.29	0.79
(1,788)	1:B:65:LEU:HG	1:A:66:LYS:H	17	0.64	0.29	0.79
(1,788)	1:B:65:LEU:HG	1:B:66:LYS:H	17	0.64	0.29	0.79
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE2	17	0.53	0.19	0.57
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE3	17	0.53	0.19	0.57
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE2	17	0.53	0.19	0.57
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE3	17	0.53	0.19	0.57
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE2	17	0.53	0.19	0.57
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE3	17	0.53	0.19	0.57
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE2	17	0.53	0.19	0.57
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE3	17	0.53	0.19	0.57
(1,947)	1:A:81:LEU:N	1:A:77:LYS:O	17	0.17	0.03	0.17
(1,947)	1:A:81:LEU:N	1:B:77:LYS:O	17	0.17	0.03	0.17
(1,947)	1:B:81:LEU:N	1:A:77:LYS:O	17	0.17	0.03	0.17
(1,947)	1:B:81:LEU:N	1:B:77:LYS:O	17	0.17	0.03	0.17
(1,967)	1:A:81:LEU:N	1:A:77:LYS:O	17	0.17	0.03	0.17
(1,967)	1:A:81:LEU:N	1:B:77:LYS:O	17	0.17	0.03	0.17
(1,967)	1:B:81:LEU:N	1:A:77:LYS:O	17	0.17	0.03	0.17
(1,967)	1:B:81:LEU:N	1:B:77:LYS:O	17	0.17	0.03	0.17
(1,420)	1:A:87:HIS:HD2	1:A:91:LEU:HA	16	0.87	0.46	0.74
(1,420)	1:A:87:HIS:HD2	1:B:91:LEU:HA	16	0.87	0.46	0.74
(1,420)	1:B:87:HIS:HD2	1:A:91:LEU:HA	16	0.87	0.46	0.74
(1,420)	1:B:87:HIS:HD2	1:B:91:LEU:HA	16	0.87	0.46	0.74
(1,421)	1:A:79:ASP:HB3	1:A:80:ILE:HB	16	0.33	0.22	0.24
(1,421)	1:A:79:ASP:HB3	1:B:80:ILE:HB	16	0.33	0.22	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,421)	1:B:79:ASP:HB3	1:A:80:ILE:HB	16	0.33	0.22	0.24
(1,421)	1:B:79:ASP:HB3	1:B:80:ILE:HB	16	0.33	0.22	0.24
(1,484)	1:A:91:LEU:HA	1:A:93:ARG:HA	16	0.22	0.07	0.2
(1,484)	1:A:91:LEU:HA	1:B:93:ARG:HA	16	0.22	0.07	0.2
(1,484)	1:B:91:LEU:HA	1:A:93:ARG:HA	16	0.22	0.07	0.2
(1,484)	1:B:91:LEU:HA	1:B:93:ARG:HA	16	0.22	0.07	0.2
(1,189)	1:A:75:LEU:HA	1:A:79:ASP:H	14	0.24	0.07	0.24
(1,189)	1:A:75:LEU:HA	1:B:79:ASP:H	14	0.24	0.07	0.24
(1,189)	1:B:75:LEU:HA	1:A:79:ASP:H	14	0.24	0.07	0.24
(1,189)	1:B:75:LEU:HA	1:B:79:ASP:H	14	0.24	0.07	0.24
(1,961)	1:A:88:LEU:N	1:A:84:THR:O	14	0.17	0.04	0.16
(1,961)	1:A:88:LEU:N	1:B:84:THR:O	14	0.17	0.04	0.16
(1,961)	1:B:88:LEU:N	1:A:84:THR:O	14	0.17	0.04	0.16
(1,961)	1:B:88:LEU:N	1:B:84:THR:O	14	0.17	0.04	0.16
(1,981)	1:A:88:LEU:N	1:A:84:THR:O	14	0.17	0.04	0.16
(1,981)	1:A:88:LEU:N	1:B:84:THR:O	14	0.17	0.04	0.16
(1,981)	1:B:88:LEU:N	1:A:84:THR:O	14	0.17	0.04	0.16
(1,981)	1:B:88:LEU:N	1:B:84:THR:O	14	0.17	0.04	0.16
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD11	13	0.5	0.34	0.35
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD12	13	0.5	0.34	0.35
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD13	13	0.5	0.34	0.35
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD11	13	0.5	0.34	0.35
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD12	13	0.5	0.34	0.35
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD13	13	0.5	0.34	0.35
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD11	13	0.5	0.34	0.35
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD12	13	0.5	0.34	0.35
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD13	13	0.5	0.34	0.35
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD11	13	0.5	0.34	0.35
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD12	13	0.5	0.34	0.35
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD13	13	0.5	0.34	0.35
(1,805)	1:A:57:LEU:HD11	1:A:86:LYS:H	13	0.29	0.05	0.31
(1,805)	1:A:57:LEU:HD11	1:B:86:LYS:H	13	0.29	0.05	0.31
(1,805)	1:B:57:LEU:HD11	1:A:86:LYS:H	13	0.29	0.05	0.31
(1,805)	1:B:57:LEU:HD11	1:B:86:LYS:H	13	0.29	0.05	0.31
(1,805)	1:B:57:LEU:HD12	1:A:86:LYS:H	13	0.29	0.05	0.31
(1,805)	1:B:57:LEU:HD12	1:B:86:LYS:H	13	0.29	0.05	0.31
(1,805)	1:B:57:LEU:HD13	1:A:86:LYS:H	13	0.29	0.05	0.31
(1,805)	1:B:57:LEU:HD13	1:B:86:LYS:H	13	0.29	0.05	0.31
(1,805)	1:B:57:LEU:HD21	1:A:86:LYS:H	13	0.29	0.05	0.31
(1,805)	1:B:57:LEU:HD21	1:B:86:LYS:H	13	0.29	0.05	0.31
(1,805)	1:B:57:LEU:HD22	1:A:86:LYS:H	13	0.29	0.05	0.31
(1,805)	1:B:57:LEU:HD22	1:B:86:LYS:H	13	0.29	0.05	0.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,805)	1:B:57:LEU:HD23	1:A:86:LYS:H	13	0.29	0.05	0.31
(1,805)	1:B:57:LEU:HD23	1:B:86:LYS:H	13	0.29	0.05	0.31
(1,711)	1:A:71:ARG:HA	1:A:71:ARG:HG2	13	0.26	0.02	0.26
(1,711)	1:A:71:ARG:HA	1:B:71:ARG:HG2	13	0.26	0.02	0.26
(1,711)	1:B:71:ARG:HA	1:A:71:ARG:HG2	13	0.26	0.02	0.26
(1,711)	1:B:71:ARG:HA	1:B:71:ARG:HG2	13	0.26	0.02	0.26
(1,52)	1:A:71:ARG:HB2	1:A:72:HIS:H	13	0.24	0.04	0.27
(1,52)	1:A:71:ARG:HB2	1:B:72:HIS:H	13	0.24	0.04	0.27
(1,52)	1:A:71:ARG:HB3	1:A:72:HIS:H	13	0.24	0.04	0.27
(1,52)	1:A:71:ARG:HB3	1:B:72:HIS:H	13	0.24	0.04	0.27
(1,52)	1:B:71:ARG:HB2	1:A:72:HIS:H	13	0.24	0.04	0.27
(1,52)	1:B:71:ARG:HB2	1:B:72:HIS:H	13	0.24	0.04	0.27
(1,52)	1:B:71:ARG:HB3	1:A:72:HIS:H	13	0.24	0.04	0.27
(1,52)	1:B:71:ARG:HB3	1:B:72:HIS:H	13	0.24	0.04	0.27
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE1	12	0.82	0.28	0.8
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE2	12	0.82	0.28	0.8
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE3	12	0.82	0.28	0.8
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE1	12	0.82	0.28	0.8
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE2	12	0.82	0.28	0.8
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE3	12	0.82	0.28	0.8
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE1	12	0.82	0.28	0.8
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE2	12	0.82	0.28	0.8
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE3	12	0.82	0.28	0.8
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE1	12	0.82	0.28	0.8
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE2	12	0.82	0.28	0.8
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE3	12	0.82	0.28	0.8
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD21	12	0.41	0.1	0.46
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD22	12	0.41	0.1	0.46
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD23	12	0.41	0.1	0.46
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD21	12	0.41	0.1	0.46
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD22	12	0.41	0.1	0.46
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD23	12	0.41	0.1	0.46
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD21	12	0.41	0.1	0.46
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD22	12	0.41	0.1	0.46
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD23	12	0.41	0.1	0.46
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD21	12	0.41	0.1	0.46
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD22	12	0.41	0.1	0.46
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD23	12	0.41	0.1	0.46
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	12	0.4	0.09	0.4
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	12	0.4	0.09	0.4
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	12	0.4	0.09	0.4
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	12	0.4	0.09	0.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	12	0.4	0.09	0.4
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	12	0.4	0.09	0.4
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	12	0.4	0.09	0.4
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	12	0.4	0.09	0.4
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	12	0.4	0.09	0.4
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	12	0.4	0.09	0.4
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	12	0.4	0.09	0.4
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	12	0.4	0.09	0.4
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD21	12	0.4	0.09	0.4
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD22	12	0.4	0.09	0.4
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD23	12	0.4	0.09	0.4
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD21	12	0.4	0.09	0.4
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD22	12	0.4	0.09	0.4
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD23	12	0.4	0.09	0.4
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	12	0.4	0.09	0.4
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	12	0.4	0.09	0.4
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	12	0.4	0.09	0.4
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	12	0.4	0.09	0.4
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	12	0.4	0.09	0.4
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	12	0.4	0.09	0.4
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	12	0.4	0.09	0.4
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	12	0.4	0.09	0.4
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	12	0.4	0.09	0.4
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	12	0.4	0.09	0.4
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	12	0.4	0.09	0.4
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	12	0.4	0.09	0.4
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD21	12	0.4	0.09	0.4
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD22	12	0.4	0.09	0.4
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD23	12	0.4	0.09	0.4
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD21	12	0.4	0.09	0.4
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD22	12	0.4	0.09	0.4
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD23	12	0.4	0.09	0.4
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD1	12	0.28	0.02	0.28
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD2	12	0.28	0.02	0.28
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD1	12	0.28	0.02	0.28
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD2	12	0.28	0.02	0.28
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD1	12	0.28	0.02	0.28
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD2	12	0.28	0.02	0.28
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD1	12	0.28	0.02	0.28
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD2	12	0.28	0.02	0.28
(1,768)	1:A:86:LYS:H	1:A:86:LYS:HD3	12	0.2	0.06	0.22
(1,768)	1:A:86:LYS:H	1:B:86:LYS:HD3	12	0.2	0.06	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,768)	1:B:86:LYS:H	1:A:86:LYS:HD3	12	0.2	0.06	0.22
(1,768)	1:B:86:LYS:H	1:B:86:LYS:HD3	12	0.2	0.06	0.22
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG21	11	0.96	0.22	1.05
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG22	11	0.96	0.22	1.05
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG23	11	0.96	0.22	1.05
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG21	11	0.96	0.22	1.05
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG22	11	0.96	0.22	1.05
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG23	11	0.96	0.22	1.05
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG21	11	0.96	0.22	1.05
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG22	11	0.96	0.22	1.05
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG23	11	0.96	0.22	1.05
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG21	11	0.96	0.22	1.05
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG22	11	0.96	0.22	1.05
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG23	11	0.96	0.22	1.05
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG21	11	0.96	0.22	1.05
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG22	11	0.96	0.22	1.05
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG23	11	0.96	0.22	1.05
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG21	11	0.96	0.22	1.05
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG22	11	0.96	0.22	1.05
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG23	11	0.96	0.22	1.05
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG21	11	0.96	0.22	1.05
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG22	11	0.96	0.22	1.05
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG23	11	0.96	0.22	1.05
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG21	11	0.96	0.22	1.05
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG22	11	0.96	0.22	1.05
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG23	11	0.96	0.22	1.05
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG21	11	0.96	0.22	1.05
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG22	11	0.96	0.22	1.05
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG23	11	0.96	0.22	1.05
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG21	11	0.96	0.22	1.05
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG22	11	0.96	0.22	1.05
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG23	11	0.96	0.22	1.05
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG21	11	0.96	0.22	1.05
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG22	11	0.96	0.22	1.05
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG23	11	0.96	0.22	1.05
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG21	11	0.96	0.22	1.05
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG22	11	0.96	0.22	1.05
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG23	11	0.96	0.22	1.05
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	11	0.66	0.41	0.38
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	11	0.66	0.41	0.38
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	11	0.66	0.41	0.38
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	11	0.66	0.41	0.38

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	11	0.66	0.41	0.38
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	11	0.66	0.41	0.38
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	11	0.66	0.41	0.38
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	11	0.66	0.41	0.38
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	11	0.66	0.41	0.38
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	11	0.66	0.41	0.38
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	11	0.66	0.41	0.38
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	11	0.66	0.41	0.38
(1,831)	1:A:87:HIS:HD1	1:A:91:LEU:H	11	0.33	0.17	0.29
(1,831)	1:A:87:HIS:HD1	1:B:91:LEU:H	11	0.33	0.17	0.29
(1,831)	1:A:87:HIS:HD2	1:A:91:LEU:H	11	0.33	0.17	0.29
(1,831)	1:A:87:HIS:HD2	1:B:91:LEU:H	11	0.33	0.17	0.29
(1,831)	1:B:87:HIS:HD1	1:A:91:LEU:H	11	0.33	0.17	0.29
(1,831)	1:B:87:HIS:HD1	1:B:91:LEU:H	11	0.33	0.17	0.29
(1,831)	1:B:87:HIS:HD2	1:A:91:LEU:H	11	0.33	0.17	0.29
(1,831)	1:B:87:HIS:HD2	1:B:91:LEU:H	11	0.33	0.17	0.29
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	10	0.6	0.39	0.42
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	10	0.6	0.39	0.42
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	10	0.6	0.39	0.42
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	10	0.6	0.39	0.42
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	10	0.6	0.39	0.42
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	10	0.6	0.39	0.42
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	10	0.6	0.39	0.42
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	10	0.6	0.39	0.42
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	10	0.6	0.39	0.42
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	10	0.6	0.39	0.42
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	10	0.6	0.39	0.42
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	10	0.6	0.39	0.42
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD11	9	0.76	0.64	0.37
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD12	9	0.76	0.64	0.37
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD13	9	0.76	0.64	0.37
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD11	9	0.76	0.64	0.37
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD12	9	0.76	0.64	0.37
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD13	9	0.76	0.64	0.37
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD11	9	0.76	0.64	0.37
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD12	9	0.76	0.64	0.37
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD13	9	0.76	0.64	0.37
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD11	9	0.76	0.64	0.37
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD12	9	0.76	0.64	0.37
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD13	9	0.76	0.64	0.37
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD11	8	0.19	0.05	0.18
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD12	8	0.19	0.05	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD13	8	0.19	0.05	0.18
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD11	8	0.19	0.05	0.18
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD12	8	0.19	0.05	0.18
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD13	8	0.19	0.05	0.18
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD11	8	0.19	0.05	0.18
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD12	8	0.19	0.05	0.18
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD13	8	0.19	0.05	0.18
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD11	8	0.19	0.05	0.18
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD12	8	0.19	0.05	0.18
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD13	8	0.19	0.05	0.18
(1,930)	1:A:72:HIS:H	1:A:68:ASP:O	8	0.14	0.03	0.13
(1,930)	1:A:72:HIS:H	1:B:68:ASP:O	8	0.14	0.03	0.13
(1,930)	1:B:72:HIS:H	1:A:68:ASP:O	8	0.14	0.03	0.13
(1,930)	1:B:72:HIS:H	1:B:68:ASP:O	8	0.14	0.03	0.13
(1,986)	1:A:91:LEU:H	1:A:87:HIS:O	7	0.12	0.02	0.11
(1,986)	1:A:91:LEU:H	1:B:87:HIS:O	7	0.12	0.02	0.11
(1,986)	1:B:91:LEU:H	1:A:87:HIS:O	7	0.12	0.02	0.11
(1,986)	1:B:91:LEU:H	1:B:87:HIS:O	7	0.12	0.02	0.11
(1,482)	1:A:81:LEU:HA	1:A:84:THR:HB	6	0.42	0.34	0.24
(1,482)	1:A:81:LEU:HA	1:B:84:THR:HB	6	0.42	0.34	0.24
(1,482)	1:B:81:LEU:HA	1:A:84:THR:HB	6	0.42	0.34	0.24
(1,482)	1:B:81:LEU:HA	1:B:84:THR:HB	6	0.42	0.34	0.24
(1,935)	1:A:74:LYS:N	1:A:70:SER:O	6	0.38	0.27	0.32
(1,935)	1:A:74:LYS:N	1:B:70:SER:O	6	0.38	0.27	0.32
(1,935)	1:B:74:LYS:N	1:A:70:SER:O	6	0.38	0.27	0.32
(1,935)	1:B:74:LYS:N	1:B:70:SER:O	6	0.38	0.27	0.32
(1,933)	1:A:73:SER:N	1:A:69:SER:O	5	0.24	0.17	0.18
(1,933)	1:A:73:SER:N	1:B:69:SER:O	5	0.24	0.17	0.18
(1,933)	1:B:73:SER:N	1:A:69:SER:O	5	0.24	0.17	0.18
(1,933)	1:B:73:SER:N	1:B:69:SER:O	5	0.24	0.17	0.18
(1,713)	1:A:87:HIS:HA	1:A:87:HIS:HD2	4	0.88	0.07	0.87
(1,713)	1:A:87:HIS:HA	1:B:87:HIS:HD2	4	0.88	0.07	0.87
(1,713)	1:B:87:HIS:HA	1:A:87:HIS:HD2	4	0.88	0.07	0.87
(1,713)	1:B:87:HIS:HA	1:B:87:HIS:HD2	4	0.88	0.07	0.87
(1,937)	1:A:75:LEU:N	1:A:71:ARG:O	4	0.37	0.07	0.34
(1,937)	1:A:75:LEU:N	1:B:71:ARG:O	4	0.37	0.07	0.34
(1,937)	1:B:75:LEU:N	1:A:71:ARG:O	4	0.37	0.07	0.34
(1,937)	1:B:75:LEU:N	1:B:71:ARG:O	4	0.37	0.07	0.34
(1,598)	1:A:66:LYS:HB2	1:A:67:LYS:HG2	4	0.16	0.06	0.14
(1,598)	1:A:66:LYS:HB2	1:B:67:LYS:HG2	4	0.16	0.06	0.14
(1,598)	1:A:66:LYS:HB3	1:A:67:LYS:HG2	4	0.16	0.06	0.14
(1,598)	1:A:66:LYS:HB3	1:B:67:LYS:HG2	4	0.16	0.06	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,598)	1:B:66:LYS:HB2	1:A:67:LYS:HG2	4	0.16	0.06	0.14
(1,598)	1:B:66:LYS:HB2	1:B:67:LYS:HG2	4	0.16	0.06	0.14
(1,598)	1:B:66:LYS:HB3	1:A:67:LYS:HG2	4	0.16	0.06	0.14
(1,598)	1:B:66:LYS:HB3	1:B:67:LYS:HG2	4	0.16	0.06	0.14
(1,710)	1:A:87:HIS:HA	1:A:87:HIS:HD1	3	0.85	0.03	0.86
(1,710)	1:A:87:HIS:HA	1:B:87:HIS:HD1	3	0.85	0.03	0.86
(1,710)	1:B:87:HIS:HA	1:A:87:HIS:HD1	3	0.85	0.03	0.86
(1,710)	1:B:87:HIS:HA	1:B:87:HIS:HD1	3	0.85	0.03	0.86
(1,932)	1:A:73:SER:H	1:A:69:SER:O	3	0.56	0.18	0.43
(1,932)	1:A:73:SER:H	1:B:69:SER:O	3	0.56	0.18	0.43
(1,932)	1:B:73:SER:H	1:A:69:SER:O	3	0.56	0.18	0.43
(1,932)	1:B:73:SER:H	1:B:69:SER:O	3	0.56	0.18	0.43
(1,705)	1:A:72:HIS:HA	1:A:75:LEU:HD11	3	0.32	0.16	0.31
(1,705)	1:A:72:HIS:HA	1:A:75:LEU:HD12	3	0.32	0.16	0.31
(1,705)	1:A:72:HIS:HA	1:A:75:LEU:HD13	3	0.32	0.16	0.31
(1,705)	1:A:72:HIS:HA	1:B:75:LEU:HD11	3	0.32	0.16	0.31
(1,705)	1:A:72:HIS:HA	1:B:75:LEU:HD12	3	0.32	0.16	0.31
(1,705)	1:A:72:HIS:HA	1:B:75:LEU:HD13	3	0.32	0.16	0.31
(1,705)	1:B:72:HIS:HA	1:A:75:LEU:HD11	3	0.32	0.16	0.31
(1,705)	1:B:72:HIS:HA	1:A:75:LEU:HD12	3	0.32	0.16	0.31
(1,705)	1:B:72:HIS:HA	1:A:75:LEU:HD13	3	0.32	0.16	0.31
(1,705)	1:B:72:HIS:HA	1:B:75:LEU:HD11	3	0.32	0.16	0.31
(1,705)	1:B:72:HIS:HA	1:B:75:LEU:HD12	3	0.32	0.16	0.31
(1,705)	1:B:72:HIS:HA	1:B:75:LEU:HD13	3	0.32	0.16	0.31
(1,582)	1:A:76:GLU:HB3	1:A:79:ASP:HB3	3	0.27	0.04	0.25
(1,582)	1:A:76:GLU:HB3	1:B:79:ASP:HB3	3	0.27	0.04	0.25
(1,582)	1:B:76:GLU:HB3	1:A:79:ASP:HB3	3	0.27	0.04	0.25
(1,582)	1:B:76:GLU:HB3	1:B:79:ASP:HB3	3	0.27	0.04	0.25
(1,674)	1:A:88:LEU:HB2	1:A:91:LEU:HG	3	0.25	0.1	0.31
(1,674)	1:A:88:LEU:HB2	1:B:91:LEU:HG	3	0.25	0.1	0.31
(1,674)	1:B:88:LEU:HB2	1:A:91:LEU:HG	3	0.25	0.1	0.31
(1,674)	1:B:88:LEU:HB2	1:B:91:LEU:HG	3	0.25	0.1	0.31
(1,566)	1:A:56:GLN:HG2	1:A:82:GLU:HA	3	0.17	0.05	0.15
(1,566)	1:A:56:GLN:HG2	1:B:82:GLU:HA	3	0.17	0.05	0.15
(1,566)	1:B:56:GLN:HG2	1:A:82:GLU:HA	3	0.17	0.05	0.15
(1,566)	1:B:56:GLN:HG2	1:B:82:GLU:HA	3	0.17	0.05	0.15
(1,284)	1:A:87:HIS:HD2	1:A:88:LEU:H	2	0.27	0.03	0.27
(1,284)	1:A:87:HIS:HD2	1:B:88:LEU:H	2	0.27	0.03	0.27
(1,284)	1:B:87:HIS:HD2	1:A:88:LEU:H	2	0.27	0.03	0.27
(1,284)	1:B:87:HIS:HD2	1:B:88:LEU:H	2	0.27	0.03	0.27
(1,499)	1:A:65:LEU:HA	1:A:67:LYS:H	2	0.2	0.04	0.2
(1,499)	1:A:65:LEU:HA	1:B:67:LYS:H	2	0.2	0.04	0.2

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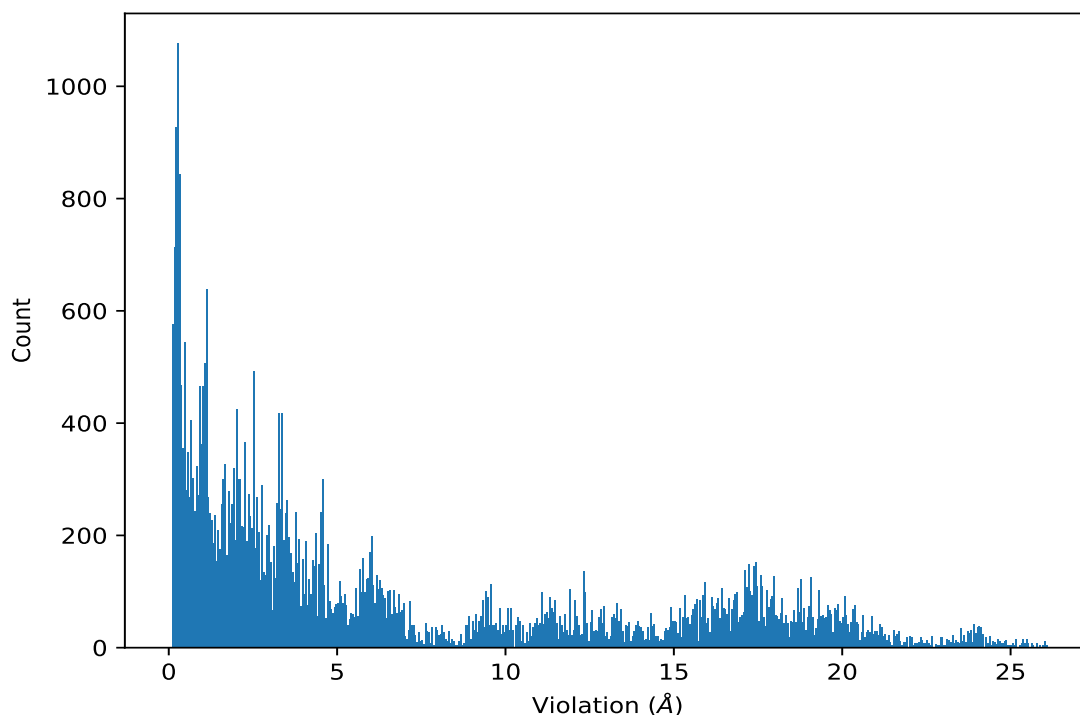
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,499)	1:B:65:LEU:HA	1:A:67:LYS:H	2	0.2	0.04	0.2
(1,499)	1:B:65:LEU:HA	1:B:67:LYS:H	2	0.2	0.04	0.2
(1,965)	1:A:90:ASN:N	1:A:86:LYS:O	2	0.17	0.05	0.17
(1,965)	1:A:90:ASN:N	1:B:86:LYS:O	2	0.17	0.05	0.17
(1,965)	1:B:90:ASN:N	1:A:86:LYS:O	2	0.17	0.05	0.17
(1,965)	1:B:90:ASN:N	1:B:86:LYS:O	2	0.17	0.05	0.17
(1,985)	1:A:90:ASN:N	1:A:86:LYS:O	2	0.17	0.05	0.17
(1,985)	1:A:90:ASN:N	1:B:86:LYS:O	2	0.17	0.05	0.17
(1,985)	1:B:90:ASN:N	1:A:86:LYS:O	2	0.17	0.05	0.17
(1,985)	1:B:90:ASN:N	1:B:86:LYS:O	2	0.17	0.05	0.17
(1,955)	1:A:85:VAL:N	1:A:81:LEU:O	2	0.14	0.01	0.14
(1,955)	1:A:85:VAL:N	1:B:81:LEU:O	2	0.14	0.01	0.14
(1,955)	1:B:85:VAL:N	1:A:81:LEU:O	2	0.14	0.01	0.14
(1,955)	1:B:85:VAL:N	1:B:81:LEU:O	2	0.14	0.01	0.14
(1,975)	1:A:85:VAL:N	1:A:81:LEU:O	2	0.14	0.01	0.14
(1,975)	1:A:85:VAL:N	1:B:81:LEU:O	2	0.14	0.01	0.14
(1,975)	1:B:85:VAL:N	1:A:81:LEU:O	2	0.14	0.01	0.14
(1,975)	1:B:85:VAL:N	1:B:81:LEU:O	2	0.14	0.01	0.14
(1,944)	1:A:80:ILE:H	1:A:76:GLU:O	2	0.12	0.0	0.12
(1,944)	1:A:80:ILE:H	1:B:76:GLU:O	2	0.12	0.0	0.12
(1,944)	1:B:80:ILE:H	1:A:76:GLU:O	2	0.12	0.0	0.12
(1,944)	1:B:80:ILE:H	1:B:76:GLU:O	2	0.12	0.0	0.12

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)
(1,410)	1:A:64:ALA:HA	1:A:40:PRO:HG3	19	26.09
(1,410)	1:A:64:ALA:HA	1:B:40:PRO:HG3	19	26.09
(1,410)	1:B:64:ALA:HA	1:A:40:PRO:HG3	19	26.09
(1,410)	1:B:64:ALA:HA	1:B:40:PRO:HG3	19	26.09
(1,410)	1:A:64:ALA:HA	1:A:40:PRO:HG3	4	26.03
(1,410)	1:A:64:ALA:HA	1:B:40:PRO:HG3	4	26.03
(1,410)	1:B:64:ALA:HA	1:A:40:PRO:HG3	4	26.03
(1,410)	1:B:64:ALA:HA	1:B:40:PRO:HG3	4	26.03
(1,410)	1:A:64:ALA:HA	1:A:40:PRO:HG3	8	26.03
(1,410)	1:A:64:ALA:HA	1:B:40:PRO:HG3	8	26.03
(1,410)	1:B:64:ALA:HA	1:A:40:PRO:HG3	8	26.03
(1,410)	1:B:64:ALA:HA	1:B:40:PRO:HG3	8	26.03
(1,410)	1:A:64:ALA:HA	1:A:40:PRO:HG3	17	26.01
(1,410)	1:A:64:ALA:HA	1:B:40:PRO:HG3	17	26.01
(1,410)	1:B:64:ALA:HA	1:A:40:PRO:HG3	17	26.01
(1,410)	1:B:64:ALA:HA	1:B:40:PRO:HG3	17	26.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,410)	1:A:64:ALA:HA	1:A:40:PRO:HG3	18	25.96
(1,410)	1:A:64:ALA:HA	1:B:40:PRO:HG3	18	25.96
(1,410)	1:B:64:ALA:HA	1:A:40:PRO:HG3	18	25.96
(1,410)	1:B:64:ALA:HA	1:B:40:PRO:HG3	18	25.96
(1,410)	1:A:64:ALA:HA	1:A:40:PRO:HG3	3	25.87
(1,410)	1:A:64:ALA:HA	1:B:40:PRO:HG3	3	25.87
(1,410)	1:B:64:ALA:HA	1:A:40:PRO:HG3	3	25.87
(1,410)	1:B:64:ALA:HA	1:B:40:PRO:HG3	3	25.87
(1,410)	1:A:64:ALA:HA	1:A:40:PRO:HG3	9	25.77
(1,410)	1:A:64:ALA:HA	1:B:40:PRO:HG3	9	25.77
(1,410)	1:B:64:ALA:HA	1:A:40:PRO:HG3	9	25.77
(1,410)	1:B:64:ALA:HA	1:B:40:PRO:HG3	9	25.77
(1,410)	1:A:64:ALA:HA	1:A:40:PRO:HG3	20	25.77
(1,410)	1:A:64:ALA:HA	1:B:40:PRO:HG3	20	25.77
(1,410)	1:B:64:ALA:HA	1:A:40:PRO:HG3	20	25.77
(1,410)	1:B:64:ALA:HA	1:B:40:PRO:HG3	20	25.77
(1,410)	1:A:64:ALA:HA	1:A:40:PRO:HG3	6	25.66
(1,410)	1:A:64:ALA:HA	1:B:40:PRO:HG3	6	25.66
(1,410)	1:B:64:ALA:HA	1:A:40:PRO:HG3	6	25.66
(1,410)	1:B:64:ALA:HA	1:B:40:PRO:HG3	6	25.66
(1,410)	1:A:64:ALA:HA	1:A:40:PRO:HG3	5	25.62
(1,410)	1:A:64:ALA:HA	1:B:40:PRO:HG3	5	25.62
(1,410)	1:B:64:ALA:HA	1:A:40:PRO:HG3	5	25.62
(1,410)	1:B:64:ALA:HA	1:B:40:PRO:HG3	5	25.62
(1,410)	1:A:64:ALA:HA	1:A:40:PRO:HG3	15	25.62
(1,410)	1:A:64:ALA:HA	1:B:40:PRO:HG3	15	25.62
(1,410)	1:B:64:ALA:HA	1:A:40:PRO:HG3	15	25.62
(1,410)	1:B:64:ALA:HA	1:B:40:PRO:HG3	15	25.62
(1,410)	1:A:64:ALA:HA	1:A:40:PRO:HG3	11	25.53
(1,410)	1:A:64:ALA:HA	1:B:40:PRO:HG3	11	25.53
(1,410)	1:B:64:ALA:HA	1:A:40:PRO:HG3	11	25.53
(1,410)	1:B:64:ALA:HA	1:B:40:PRO:HG3	11	25.53
(1,410)	1:A:64:ALA:HA	1:A:40:PRO:HG3	13	25.5
(1,410)	1:A:64:ALA:HA	1:B:40:PRO:HG3	13	25.5
(1,410)	1:B:64:ALA:HA	1:A:40:PRO:HG3	13	25.5
(1,410)	1:B:64:ALA:HA	1:B:40:PRO:HG3	13	25.5
(1,411)	1:A:64:ALA:HA	1:A:40:PRO:HG2	12	25.49
(1,411)	1:A:64:ALA:HA	1:B:40:PRO:HG2	12	25.49
(1,411)	1:B:64:ALA:HA	1:A:40:PRO:HG2	12	25.49
(1,411)	1:B:64:ALA:HA	1:B:40:PRO:HG2	12	25.49
(1,410)	1:A:64:ALA:HA	1:A:40:PRO:HG3	10	25.49
(1,410)	1:A:64:ALA:HA	1:B:40:PRO:HG3	10	25.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,410)	1:B:64:ALA:HA	1:A:40:PRO:HG3	10	25.49
(1,410)	1:B:64:ALA:HA	1:B:40:PRO:HG3	10	25.49
(1,411)	1:A:64:ALA:HA	1:A:40:PRO:HG2	5	25.47
(1,411)	1:A:64:ALA:HA	1:B:40:PRO:HG2	5	25.47
(1,411)	1:B:64:ALA:HA	1:A:40:PRO:HG2	5	25.47
(1,411)	1:B:64:ALA:HA	1:B:40:PRO:HG2	5	25.47
(1,410)	1:A:64:ALA:HA	1:A:40:PRO:HG3	2	25.46
(1,410)	1:A:64:ALA:HA	1:B:40:PRO:HG3	2	25.46
(1,410)	1:B:64:ALA:HA	1:A:40:PRO:HG3	2	25.46
(1,410)	1:B:64:ALA:HA	1:B:40:PRO:HG3	2	25.46
(1,410)	1:A:64:ALA:HA	1:A:40:PRO:HG3	7	25.45
(1,410)	1:A:64:ALA:HA	1:B:40:PRO:HG3	7	25.45
(1,410)	1:B:64:ALA:HA	1:A:40:PRO:HG3	7	25.45
(1,410)	1:B:64:ALA:HA	1:B:40:PRO:HG3	7	25.45
(1,411)	1:A:64:ALA:HA	1:A:40:PRO:HG2	6	25.41
(1,411)	1:A:64:ALA:HA	1:B:40:PRO:HG2	6	25.41
(1,411)	1:B:64:ALA:HA	1:A:40:PRO:HG2	6	25.41
(1,411)	1:B:64:ALA:HA	1:B:40:PRO:HG2	6	25.41
(1,410)	1:A:64:ALA:HA	1:A:40:PRO:HG3	1	25.4
(1,410)	1:A:64:ALA:HA	1:B:40:PRO:HG3	1	25.4
(1,410)	1:B:64:ALA:HA	1:A:40:PRO:HG3	1	25.4
(1,410)	1:B:64:ALA:HA	1:B:40:PRO:HG3	1	25.4
(1,411)	1:A:64:ALA:HA	1:A:40:PRO:HG2	19	25.38
(1,411)	1:A:64:ALA:HA	1:B:40:PRO:HG2	19	25.38
(1,411)	1:B:64:ALA:HA	1:A:40:PRO:HG2	19	25.38
(1,411)	1:B:64:ALA:HA	1:B:40:PRO:HG2	19	25.38
(1,410)	1:A:64:ALA:HA	1:A:40:PRO:HG3	14	25.38
(1,410)	1:A:64:ALA:HA	1:B:40:PRO:HG3	14	25.38
(1,410)	1:B:64:ALA:HA	1:A:40:PRO:HG3	14	25.38
(1,410)	1:B:64:ALA:HA	1:B:40:PRO:HG3	14	25.38
(1,410)	1:A:64:ALA:HA	1:A:40:PRO:HG3	12	25.37
(1,410)	1:A:64:ALA:HA	1:B:40:PRO:HG3	12	25.37
(1,410)	1:B:64:ALA:HA	1:A:40:PRO:HG3	12	25.37
(1,410)	1:B:64:ALA:HA	1:B:40:PRO:HG3	12	25.37
(1,411)	1:A:64:ALA:HA	1:A:40:PRO:HG2	4	25.34
(1,411)	1:A:64:ALA:HA	1:B:40:PRO:HG2	4	25.34
(1,411)	1:B:64:ALA:HA	1:A:40:PRO:HG2	4	25.34
(1,411)	1:B:64:ALA:HA	1:B:40:PRO:HG2	4	25.34
(1,411)	1:A:64:ALA:HA	1:A:40:PRO:HG2	8	25.3
(1,411)	1:A:64:ALA:HA	1:B:40:PRO:HG2	8	25.3
(1,411)	1:B:64:ALA:HA	1:A:40:PRO:HG2	8	25.3
(1,411)	1:B:64:ALA:HA	1:B:40:PRO:HG2	8	25.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,410)	1:A:64:ALA:HA	1:A:40:PRO:HG3	16	25.27
(1,410)	1:A:64:ALA:HA	1:B:40:PRO:HG3	16	25.27
(1,410)	1:B:64:ALA:HA	1:A:40:PRO:HG3	16	25.27
(1,410)	1:B:64:ALA:HA	1:B:40:PRO:HG3	16	25.27
(1,732)	1:A:64:ALA:HA	1:A:39:LYS:HG2	19	25.2
(1,732)	1:A:64:ALA:HA	1:B:39:LYS:HG2	19	25.2
(1,732)	1:B:64:ALA:HA	1:A:39:LYS:HG2	19	25.2
(1,732)	1:B:64:ALA:HA	1:B:39:LYS:HG2	19	25.2
(1,411)	1:A:64:ALA:HA	1:A:40:PRO:HG2	17	25.2
(1,411)	1:A:64:ALA:HA	1:B:40:PRO:HG2	17	25.2
(1,411)	1:B:64:ALA:HA	1:A:40:PRO:HG2	17	25.2
(1,411)	1:B:64:ALA:HA	1:B:40:PRO:HG2	17	25.2
(1,411)	1:A:64:ALA:HA	1:A:40:PRO:HG2	14	25.18
(1,411)	1:A:64:ALA:HA	1:B:40:PRO:HG2	14	25.18
(1,411)	1:B:64:ALA:HA	1:A:40:PRO:HG2	14	25.18
(1,411)	1:B:64:ALA:HA	1:B:40:PRO:HG2	14	25.18
(1,411)	1:A:64:ALA:HA	1:A:40:PRO:HG2	3	25.17
(1,411)	1:A:64:ALA:HA	1:B:40:PRO:HG2	3	25.17
(1,411)	1:B:64:ALA:HA	1:A:40:PRO:HG2	3	25.17
(1,411)	1:B:64:ALA:HA	1:B:40:PRO:HG2	3	25.17
(1,411)	1:A:64:ALA:HA	1:A:40:PRO:HG2	18	25.14
(1,411)	1:A:64:ALA:HA	1:B:40:PRO:HG2	18	25.14
(1,411)	1:B:64:ALA:HA	1:A:40:PRO:HG2	18	25.14
(1,411)	1:B:64:ALA:HA	1:B:40:PRO:HG2	18	25.14
(1,411)	1:A:64:ALA:HA	1:A:40:PRO:HG2	13	25.07
(1,411)	1:A:64:ALA:HA	1:B:40:PRO:HG2	13	25.07
(1,411)	1:B:64:ALA:HA	1:A:40:PRO:HG2	13	25.07
(1,411)	1:B:64:ALA:HA	1:B:40:PRO:HG2	13	25.07
(1,411)	1:A:64:ALA:HA	1:A:40:PRO:HG2	9	25.05
(1,411)	1:A:64:ALA:HA	1:B:40:PRO:HG2	9	25.05
(1,411)	1:B:64:ALA:HA	1:A:40:PRO:HG2	9	25.05
(1,411)	1:B:64:ALA:HA	1:B:40:PRO:HG2	9	25.05
(1,732)	1:A:64:ALA:HA	1:A:39:LYS:HG2	8	25.04
(1,732)	1:A:64:ALA:HA	1:B:39:LYS:HG2	8	25.04
(1,732)	1:B:64:ALA:HA	1:A:39:LYS:HG2	8	25.04
(1,732)	1:B:64:ALA:HA	1:B:39:LYS:HG2	8	25.04
(1,411)	1:A:64:ALA:HA	1:A:40:PRO:HG2	20	24.99
(1,411)	1:A:64:ALA:HA	1:B:40:PRO:HG2	20	24.99
(1,411)	1:B:64:ALA:HA	1:A:40:PRO:HG2	20	24.99
(1,411)	1:B:64:ALA:HA	1:B:40:PRO:HG2	20	24.99
(1,411)	1:A:64:ALA:HA	1:A:40:PRO:HG2	2	24.94
(1,411)	1:A:64:ALA:HA	1:B:40:PRO:HG2	2	24.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,411)	1:B:64:ALA:HA	1:A:40:PRO:HG2	2	24.94
(1,411)	1:B:64:ALA:HA	1:B:40:PRO:HG2	2	24.94
(1,411)	1:A:64:ALA:HA	1:A:40:PRO:HG2	16	24.89
(1,411)	1:A:64:ALA:HA	1:B:40:PRO:HG2	16	24.89
(1,411)	1:B:64:ALA:HA	1:A:40:PRO:HG2	16	24.89
(1,411)	1:B:64:ALA:HA	1:B:40:PRO:HG2	16	24.89
(1,544)	1:A:64:ALA:HA	1:A:39:LYS:HE2	19	24.88
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE2	19	24.88
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE3	19	24.88
(1,544)	1:B:64:ALA:HA	1:A:39:LYS:HE2	19	24.88
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE2	19	24.88
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE3	19	24.88
(1,411)	1:A:64:ALA:HA	1:A:40:PRO:HG2	10	24.87
(1,411)	1:A:64:ALA:HA	1:B:40:PRO:HG2	10	24.87
(1,411)	1:B:64:ALA:HA	1:A:40:PRO:HG2	10	24.87
(1,411)	1:B:64:ALA:HA	1:B:40:PRO:HG2	10	24.87
(1,526)	1:A:40:PRO:HG3	1:A:66:LYS:H	8	24.84
(1,526)	1:A:40:PRO:HG3	1:B:66:LYS:H	8	24.84
(1,526)	1:B:40:PRO:HG3	1:A:66:LYS:H	8	24.84
(1,526)	1:B:40:PRO:HG3	1:B:66:LYS:H	8	24.84
(1,732)	1:A:64:ALA:HA	1:A:39:LYS:HG2	18	24.82
(1,732)	1:A:64:ALA:HA	1:B:39:LYS:HG2	18	24.82
(1,732)	1:B:64:ALA:HA	1:A:39:LYS:HG2	18	24.82
(1,732)	1:B:64:ALA:HA	1:B:39:LYS:HG2	18	24.82
(1,732)	1:A:64:ALA:HA	1:A:39:LYS:HG2	9	24.81
(1,732)	1:A:64:ALA:HA	1:B:39:LYS:HG2	9	24.81
(1,732)	1:B:64:ALA:HA	1:A:39:LYS:HG2	9	24.81
(1,732)	1:B:64:ALA:HA	1:B:39:LYS:HG2	9	24.81
(1,411)	1:A:64:ALA:HA	1:A:40:PRO:HG2	15	24.78
(1,411)	1:A:64:ALA:HA	1:B:40:PRO:HG2	15	24.78
(1,411)	1:B:64:ALA:HA	1:A:40:PRO:HG2	15	24.78
(1,411)	1:B:64:ALA:HA	1:B:40:PRO:HG2	15	24.78
(1,411)	1:A:64:ALA:HA	1:A:40:PRO:HG2	11	24.75
(1,411)	1:A:64:ALA:HA	1:B:40:PRO:HG2	11	24.75
(1,411)	1:B:64:ALA:HA	1:A:40:PRO:HG2	11	24.75
(1,411)	1:B:64:ALA:HA	1:B:40:PRO:HG2	11	24.75
(1,411)	1:A:64:ALA:HA	1:A:40:PRO:HG2	1	24.74
(1,411)	1:A:64:ALA:HA	1:B:40:PRO:HG2	1	24.74
(1,411)	1:B:64:ALA:HA	1:A:40:PRO:HG2	1	24.74
(1,411)	1:B:64:ALA:HA	1:B:40:PRO:HG2	1	24.74
(1,732)	1:A:64:ALA:HA	1:A:39:LYS:HG2	5	24.71
(1,732)	1:A:64:ALA:HA	1:B:39:LYS:HG2	5	24.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,732)	1:B:64:ALA:HA	1:A:39:LYS:HG2	5	24.71
(1,732)	1:B:64:ALA:HA	1:B:39:LYS:HG2	5	24.71
(1,632)	1:A:66:LYS:HG2	1:A:41:ILE:HG13	4	24.7
(1,632)	1:A:66:LYS:HG2	1:B:41:ILE:HG13	4	24.7
(1,632)	1:B:66:LYS:HG2	1:A:41:ILE:HG13	4	24.7
(1,632)	1:B:66:LYS:HG2	1:B:41:ILE:HG13	4	24.7
(1,411)	1:A:64:ALA:HA	1:A:40:PRO:HG2	7	24.68
(1,411)	1:A:64:ALA:HA	1:B:40:PRO:HG2	7	24.68
(1,411)	1:B:64:ALA:HA	1:A:40:PRO:HG2	7	24.68
(1,411)	1:B:64:ALA:HA	1:B:40:PRO:HG2	7	24.68
(1,732)	1:A:64:ALA:HA	1:A:39:LYS:HG2	20	24.67
(1,732)	1:A:64:ALA:HA	1:B:39:LYS:HG2	20	24.67
(1,732)	1:B:64:ALA:HA	1:A:39:LYS:HG2	20	24.67
(1,732)	1:B:64:ALA:HA	1:B:39:LYS:HG2	20	24.67
(1,732)	1:A:64:ALA:HA	1:A:39:LYS:HG2	3	24.65
(1,732)	1:A:64:ALA:HA	1:B:39:LYS:HG2	3	24.65
(1,732)	1:B:64:ALA:HA	1:A:39:LYS:HG2	3	24.65
(1,732)	1:B:64:ALA:HA	1:B:39:LYS:HG2	3	24.65
(1,632)	1:A:66:LYS:HG2	1:A:41:ILE:HG13	13	24.64
(1,632)	1:A:66:LYS:HG2	1:B:41:ILE:HG13	13	24.64
(1,632)	1:B:66:LYS:HG2	1:A:41:ILE:HG13	13	24.64
(1,632)	1:B:66:LYS:HG2	1:B:41:ILE:HG13	13	24.64
(1,526)	1:A:40:PRO:HG3	1:A:66:LYS:H	19	24.63
(1,526)	1:A:40:PRO:HG3	1:B:66:LYS:H	19	24.63
(1,526)	1:B:40:PRO:HG3	1:A:66:LYS:H	19	24.63
(1,526)	1:B:40:PRO:HG3	1:B:66:LYS:H	19	24.63
(1,526)	1:A:40:PRO:HG3	1:A:66:LYS:H	4	24.61
(1,526)	1:A:40:PRO:HG3	1:B:66:LYS:H	4	24.61
(1,526)	1:B:40:PRO:HG3	1:A:66:LYS:H	4	24.61
(1,526)	1:B:40:PRO:HG3	1:B:66:LYS:H	4	24.61
(1,733)	1:A:64:ALA:HA	1:A:39:LYS:HD2	19	24.56
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD2	19	24.56
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD3	19	24.56
(1,733)	1:B:64:ALA:HA	1:A:39:LYS:HD2	19	24.56
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD2	19	24.56
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD3	19	24.56
(1,544)	1:A:64:ALA:HA	1:A:39:LYS:HE2	13	24.53
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE2	13	24.53
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE3	13	24.53
(1,544)	1:B:64:ALA:HA	1:A:39:LYS:HE2	13	24.53
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE2	13	24.53
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE3	13	24.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:A:40:PRO:HG3	1:A:66:LYS:H	9	24.53
(1,526)	1:A:40:PRO:HG3	1:B:66:LYS:H	9	24.53
(1,526)	1:B:40:PRO:HG3	1:A:66:LYS:H	9	24.53
(1,526)	1:B:40:PRO:HG3	1:B:66:LYS:H	9	24.53
(1,632)	1:A:66:LYS:HG2	1:A:41:ILE:HG13	19	24.49
(1,632)	1:A:66:LYS:HG2	1:B:41:ILE:HG13	19	24.49
(1,632)	1:B:66:LYS:HG2	1:A:41:ILE:HG13	19	24.49
(1,632)	1:B:66:LYS:HG2	1:B:41:ILE:HG13	19	24.49
(1,734)	1:A:64:ALA:HA	1:A:39:LYS:HG3	19	24.46
(1,734)	1:A:64:ALA:HA	1:B:39:LYS:HG3	19	24.46
(1,734)	1:B:64:ALA:HA	1:A:39:LYS:HG3	19	24.46
(1,734)	1:B:64:ALA:HA	1:B:39:LYS:HG3	19	24.46
(1,526)	1:A:40:PRO:HG3	1:A:66:LYS:H	20	24.46
(1,526)	1:A:40:PRO:HG3	1:B:66:LYS:H	20	24.46
(1,526)	1:B:40:PRO:HG3	1:A:66:LYS:H	20	24.46
(1,526)	1:B:40:PRO:HG3	1:B:66:LYS:H	20	24.46
(1,526)	1:A:40:PRO:HG3	1:A:66:LYS:H	18	24.41
(1,526)	1:A:40:PRO:HG3	1:B:66:LYS:H	18	24.41
(1,526)	1:B:40:PRO:HG3	1:A:66:LYS:H	18	24.41
(1,526)	1:B:40:PRO:HG3	1:B:66:LYS:H	18	24.41
(1,732)	1:A:64:ALA:HA	1:A:39:LYS:HG2	13	24.38
(1,732)	1:A:64:ALA:HA	1:B:39:LYS:HG2	13	24.38
(1,732)	1:B:64:ALA:HA	1:A:39:LYS:HG2	13	24.38
(1,732)	1:B:64:ALA:HA	1:B:39:LYS:HG2	13	24.38
(1,544)	1:A:64:ALA:HA	1:A:39:LYS:HE2	8	24.38
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE2	8	24.38
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE3	8	24.38
(1,544)	1:B:64:ALA:HA	1:A:39:LYS:HE2	8	24.38
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE2	8	24.38
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE3	8	24.38
(1,526)	1:A:40:PRO:HG3	1:A:66:LYS:H	3	24.38
(1,526)	1:A:40:PRO:HG3	1:B:66:LYS:H	3	24.38
(1,526)	1:B:40:PRO:HG3	1:A:66:LYS:H	3	24.38
(1,526)	1:B:40:PRO:HG3	1:B:66:LYS:H	3	24.38
(1,544)	1:A:64:ALA:HA	1:A:39:LYS:HE2	3	24.37
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE2	3	24.37
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE3	3	24.37
(1,544)	1:B:64:ALA:HA	1:A:39:LYS:HE2	3	24.37
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE2	3	24.37
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE3	3	24.37
(1,732)	1:A:64:ALA:HA	1:A:39:LYS:HG2	17	24.32
(1,732)	1:A:64:ALA:HA	1:B:39:LYS:HG2	17	24.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,732)	1:B:64:ALA:HA	1:A:39:LYS:HG2	17	24.32
(1,732)	1:B:64:ALA:HA	1:B:39:LYS:HG2	17	24.32
(1,632)	1:A:66:LYS:HG2	1:A:41:ILE:HG13	2	24.31
(1,632)	1:A:66:LYS:HG2	1:B:41:ILE:HG13	2	24.31
(1,632)	1:B:66:LYS:HG2	1:A:41:ILE:HG13	2	24.31
(1,632)	1:B:66:LYS:HG2	1:B:41:ILE:HG13	2	24.31
(1,733)	1:A:64:ALA:HA	1:A:39:LYS:HD2	9	24.29
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD2	9	24.29
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD3	9	24.29
(1,733)	1:B:64:ALA:HA	1:A:39:LYS:HD2	9	24.29
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD2	9	24.29
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD3	9	24.29
(1,632)	1:A:66:LYS:HG2	1:A:41:ILE:HG13	3	24.28
(1,632)	1:A:66:LYS:HG2	1:B:41:ILE:HG13	3	24.28
(1,632)	1:B:66:LYS:HG2	1:A:41:ILE:HG13	3	24.28
(1,632)	1:B:66:LYS:HG2	1:B:41:ILE:HG13	3	24.28
(1,732)	1:A:64:ALA:HA	1:A:39:LYS:HG2	4	24.27
(1,732)	1:A:64:ALA:HA	1:B:39:LYS:HG2	4	24.27
(1,732)	1:B:64:ALA:HA	1:A:39:LYS:HG2	4	24.27
(1,732)	1:B:64:ALA:HA	1:B:39:LYS:HG2	4	24.27
(1,526)	1:A:40:PRO:HG3	1:A:66:LYS:H	17	24.27
(1,526)	1:A:40:PRO:HG3	1:B:66:LYS:H	17	24.27
(1,526)	1:B:40:PRO:HG3	1:A:66:LYS:H	17	24.27
(1,526)	1:B:40:PRO:HG3	1:B:66:LYS:H	17	24.27
(1,632)	1:A:66:LYS:HG2	1:A:41:ILE:HG13	12	24.18
(1,632)	1:A:66:LYS:HG2	1:B:41:ILE:HG13	12	24.18
(1,632)	1:B:66:LYS:HG2	1:A:41:ILE:HG13	12	24.18
(1,632)	1:B:66:LYS:HG2	1:B:41:ILE:HG13	12	24.18
(1,632)	1:A:66:LYS:HG2	1:A:41:ILE:HG13	16	24.18
(1,632)	1:A:66:LYS:HG2	1:B:41:ILE:HG13	16	24.18
(1,632)	1:B:66:LYS:HG2	1:A:41:ILE:HG13	16	24.18
(1,632)	1:B:66:LYS:HG2	1:B:41:ILE:HG13	16	24.18
(1,544)	1:A:64:ALA:HA	1:A:39:LYS:HE2	4	24.18
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE2	4	24.18
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE3	4	24.18
(1,544)	1:B:64:ALA:HA	1:A:39:LYS:HE2	4	24.18
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE2	4	24.18
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE3	4	24.18
(1,733)	1:A:64:ALA:HA	1:A:39:LYS:HD2	8	24.17
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD2	8	24.17
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD3	8	24.17
(1,733)	1:B:64:ALA:HA	1:A:39:LYS:HD2	8	24.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD2	8	24.17
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD3	8	24.17
(1,526)	1:A:40:PRO:HG3	1:A:66:LYS:H	6	24.17
(1,526)	1:A:40:PRO:HG3	1:B:66:LYS:H	6	24.17
(1,526)	1:B:40:PRO:HG3	1:A:66:LYS:H	6	24.17
(1,526)	1:B:40:PRO:HG3	1:B:66:LYS:H	6	24.17
(1,734)	1:A:64:ALA:HA	1:A:39:LYS:HG3	8	24.15
(1,734)	1:A:64:ALA:HA	1:B:39:LYS:HG3	8	24.15
(1,734)	1:B:64:ALA:HA	1:A:39:LYS:HG3	8	24.15
(1,734)	1:B:64:ALA:HA	1:B:39:LYS:HG3	8	24.15
(1,733)	1:A:64:ALA:HA	1:A:39:LYS:HD2	3	24.14
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD2	3	24.14
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD3	3	24.14
(1,733)	1:B:64:ALA:HA	1:A:39:LYS:HD2	3	24.14
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD2	3	24.14
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD3	3	24.14
(1,732)	1:A:64:ALA:HA	1:A:39:LYS:HG2	2	24.13
(1,732)	1:A:64:ALA:HA	1:B:39:LYS:HG2	2	24.13
(1,732)	1:B:64:ALA:HA	1:A:39:LYS:HG2	2	24.13
(1,732)	1:B:64:ALA:HA	1:B:39:LYS:HG2	2	24.13
(1,288)	1:A:40:PRO:HG2	1:A:66:LYS:H	8	24.13
(1,288)	1:A:40:PRO:HG2	1:B:66:LYS:H	8	24.13
(1,288)	1:B:40:PRO:HG2	1:A:66:LYS:H	8	24.13
(1,288)	1:B:40:PRO:HG2	1:B:66:LYS:H	8	24.13
(1,632)	1:A:66:LYS:HG2	1:A:41:ILE:HG13	8	24.12
(1,632)	1:A:66:LYS:HG2	1:B:41:ILE:HG13	8	24.12
(1,632)	1:B:66:LYS:HG2	1:A:41:ILE:HG13	8	24.12
(1,632)	1:B:66:LYS:HG2	1:B:41:ILE:HG13	8	24.12
(1,544)	1:A:64:ALA:HA	1:A:39:LYS:HE2	2	24.11
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE2	2	24.11
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE3	2	24.11
(1,544)	1:B:64:ALA:HA	1:A:39:LYS:HE2	2	24.11
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE2	2	24.11
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE3	2	24.11
(1,734)	1:A:64:ALA:HA	1:A:39:LYS:HG3	9	24.1
(1,734)	1:A:64:ALA:HA	1:B:39:LYS:HG3	9	24.1
(1,734)	1:B:64:ALA:HA	1:A:39:LYS:HG3	9	24.1
(1,734)	1:B:64:ALA:HA	1:B:39:LYS:HG3	9	24.1
(1,526)	1:A:40:PRO:HG3	1:A:66:LYS:H	13	24.1
(1,526)	1:A:40:PRO:HG3	1:B:66:LYS:H	13	24.1
(1,526)	1:B:40:PRO:HG3	1:A:66:LYS:H	13	24.1
(1,526)	1:B:40:PRO:HG3	1:B:66:LYS:H	13	24.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,544)	1:A:64:ALA:HA	1:A:39:LYS:HE2	9	24.08
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE2	9	24.08
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE3	9	24.08
(1,544)	1:B:64:ALA:HA	1:A:39:LYS:HE2	9	24.08
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE2	9	24.08
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE3	9	24.08
(1,544)	1:A:64:ALA:HA	1:A:39:LYS:HE2	17	24.08
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE2	17	24.08
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE3	17	24.08
(1,544)	1:B:64:ALA:HA	1:A:39:LYS:HE2	17	24.08
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE2	17	24.08
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE3	17	24.08
(1,526)	1:A:40:PRO:HG3	1:A:66:LYS:H	11	24.08
(1,526)	1:A:40:PRO:HG3	1:B:66:LYS:H	11	24.08
(1,526)	1:B:40:PRO:HG3	1:A:66:LYS:H	11	24.08
(1,526)	1:B:40:PRO:HG3	1:B:66:LYS:H	11	24.08
(1,632)	1:A:66:LYS:HG2	1:A:41:ILE:HG13	1	24.07
(1,632)	1:A:66:LYS:HG2	1:B:41:ILE:HG13	1	24.07
(1,632)	1:B:66:LYS:HG2	1:A:41:ILE:HG13	1	24.07
(1,632)	1:B:66:LYS:HG2	1:B:41:ILE:HG13	1	24.07
(1,632)	1:A:66:LYS:HG2	1:A:41:ILE:HG13	7	24.07
(1,632)	1:A:66:LYS:HG2	1:B:41:ILE:HG13	7	24.07
(1,632)	1:B:66:LYS:HG2	1:A:41:ILE:HG13	7	24.07
(1,632)	1:B:66:LYS:HG2	1:B:41:ILE:HG13	7	24.07
(1,732)	1:A:64:ALA:HA	1:A:39:LYS:HG2	16	24.06
(1,732)	1:A:64:ALA:HA	1:B:39:LYS:HG2	16	24.06
(1,732)	1:B:64:ALA:HA	1:A:39:LYS:HG2	16	24.06
(1,732)	1:B:64:ALA:HA	1:B:39:LYS:HG2	16	24.06
(1,544)	1:A:64:ALA:HA	1:A:39:LYS:HE2	15	24.06
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE2	15	24.06
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE3	15	24.06
(1,544)	1:B:64:ALA:HA	1:A:39:LYS:HE2	15	24.06
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE2	15	24.06
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE3	15	24.06
(1,732)	1:A:64:ALA:HA	1:A:39:LYS:HG2	15	24.05
(1,732)	1:A:64:ALA:HA	1:B:39:LYS:HG2	15	24.05
(1,732)	1:B:64:ALA:HA	1:A:39:LYS:HG2	15	24.05
(1,732)	1:B:64:ALA:HA	1:B:39:LYS:HG2	15	24.05
(1,734)	1:A:64:ALA:HA	1:A:39:LYS:HG3	5	24.04
(1,734)	1:A:64:ALA:HA	1:B:39:LYS:HG3	5	24.04
(1,734)	1:B:64:ALA:HA	1:A:39:LYS:HG3	5	24.04
(1,734)	1:B:64:ALA:HA	1:B:39:LYS:HG3	5	24.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,733)	1:A:64:ALA:HA	1:A:39:LYS:HD2	18	24.04
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD2	18	24.04
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD3	18	24.04
(1,733)	1:B:64:ALA:HA	1:A:39:LYS:HD2	18	24.04
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD2	18	24.04
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD3	18	24.04
(1,544)	1:A:64:ALA:HA	1:A:39:LYS:HE2	5	24.04
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE2	5	24.04
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE3	5	24.04
(1,544)	1:B:64:ALA:HA	1:A:39:LYS:HE2	5	24.04
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE2	5	24.04
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE3	5	24.04
(1,732)	1:A:64:ALA:HA	1:A:39:LYS:HG2	14	24.03
(1,732)	1:A:64:ALA:HA	1:B:39:LYS:HG2	14	24.03
(1,732)	1:B:64:ALA:HA	1:A:39:LYS:HG2	14	24.03
(1,732)	1:B:64:ALA:HA	1:B:39:LYS:HG2	14	24.03
(1,733)	1:A:64:ALA:HA	1:A:39:LYS:HD2	17	24.02
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD2	17	24.02
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD3	17	24.02
(1,733)	1:B:64:ALA:HA	1:A:39:LYS:HD2	17	24.02
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD2	17	24.02
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD3	17	24.02
(1,526)	1:A:40:PRO:HG3	1:A:66:LYS:H	14	24.02
(1,526)	1:A:40:PRO:HG3	1:B:66:LYS:H	14	24.02
(1,526)	1:B:40:PRO:HG3	1:A:66:LYS:H	14	24.02
(1,526)	1:B:40:PRO:HG3	1:B:66:LYS:H	14	24.02
(1,544)	1:A:64:ALA:HA	1:A:39:LYS:HE2	20	24.01
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE2	20	24.01
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE3	20	24.01
(1,544)	1:B:64:ALA:HA	1:A:39:LYS:HE2	20	24.01
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE2	20	24.01
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE3	20	24.01
(1,732)	1:A:64:ALA:HA	1:A:39:LYS:HG2	12	23.99
(1,732)	1:A:64:ALA:HA	1:B:39:LYS:HG2	12	23.99
(1,732)	1:B:64:ALA:HA	1:A:39:LYS:HG2	12	23.99
(1,732)	1:B:64:ALA:HA	1:B:39:LYS:HG2	12	23.99
(1,632)	1:A:66:LYS:HG2	1:A:41:ILE:HG13	9	23.99
(1,632)	1:A:66:LYS:HG2	1:B:41:ILE:HG13	9	23.99
(1,632)	1:B:66:LYS:HG2	1:A:41:ILE:HG13	9	23.99
(1,632)	1:B:66:LYS:HG2	1:B:41:ILE:HG13	9	23.99
(1,632)	1:A:66:LYS:HG2	1:A:41:ILE:HG13	20	23.99
(1,632)	1:A:66:LYS:HG2	1:B:41:ILE:HG13	20	23.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:B:66:LYS:HG2	1:A:41:ILE:HG13	20	23.99
(1,632)	1:B:66:LYS:HG2	1:B:41:ILE:HG13	20	23.99
(1,734)	1:A:64:ALA:HA	1:A:39:LYS:HG3	18	23.96
(1,734)	1:A:64:ALA:HA	1:B:39:LYS:HG3	18	23.96
(1,734)	1:B:64:ALA:HA	1:A:39:LYS:HG3	18	23.96
(1,734)	1:B:64:ALA:HA	1:B:39:LYS:HG3	18	23.96
(1,632)	1:A:66:LYS:HG2	1:A:41:ILE:HG13	10	23.96
(1,632)	1:A:66:LYS:HG2	1:B:41:ILE:HG13	10	23.96
(1,632)	1:B:66:LYS:HG2	1:A:41:ILE:HG13	10	23.96
(1,632)	1:B:66:LYS:HG2	1:B:41:ILE:HG13	10	23.96
(1,544)	1:A:64:ALA:HA	1:A:39:LYS:HE2	16	23.96
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE2	16	23.96
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE3	16	23.96
(1,544)	1:B:64:ALA:HA	1:A:39:LYS:HE2	16	23.96
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE2	16	23.96
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE3	16	23.96
(1,734)	1:A:64:ALA:HA	1:A:39:LYS:HG3	3	23.95
(1,734)	1:A:64:ALA:HA	1:B:39:LYS:HG3	3	23.95
(1,734)	1:B:64:ALA:HA	1:A:39:LYS:HG3	3	23.95
(1,734)	1:B:64:ALA:HA	1:B:39:LYS:HG3	3	23.95
(1,632)	1:A:66:LYS:HG2	1:A:41:ILE:HG13	5	23.95
(1,632)	1:A:66:LYS:HG2	1:B:41:ILE:HG13	5	23.95
(1,632)	1:B:66:LYS:HG2	1:A:41:ILE:HG13	5	23.95
(1,632)	1:B:66:LYS:HG2	1:B:41:ILE:HG13	5	23.95
(1,288)	1:A:40:PRO:HG2	1:A:66:LYS:H	19	23.95
(1,288)	1:A:40:PRO:HG2	1:B:66:LYS:H	19	23.95
(1,288)	1:B:40:PRO:HG2	1:A:66:LYS:H	19	23.95
(1,288)	1:B:40:PRO:HG2	1:B:66:LYS:H	19	23.95
(1,733)	1:A:64:ALA:HA	1:A:39:LYS:HD2	13	23.94
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD2	13	23.94
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD3	13	23.94
(1,733)	1:B:64:ALA:HA	1:A:39:LYS:HD2	13	23.94
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD2	13	23.94
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD3	13	23.94
(1,632)	1:A:66:LYS:HG2	1:A:41:ILE:HG13	14	23.94
(1,632)	1:A:66:LYS:HG2	1:B:41:ILE:HG13	14	23.94
(1,632)	1:B:66:LYS:HG2	1:A:41:ILE:HG13	14	23.94
(1,632)	1:B:66:LYS:HG2	1:B:41:ILE:HG13	14	23.94
(1,526)	1:A:40:PRO:HG3	1:A:66:LYS:H	7	23.94
(1,526)	1:A:40:PRO:HG3	1:B:66:LYS:H	7	23.94
(1,526)	1:B:40:PRO:HG3	1:A:66:LYS:H	7	23.94
(1,526)	1:B:40:PRO:HG3	1:B:66:LYS:H	7	23.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,288)	1:A:40:PRO:HG2	1:A:66:LYS:H	6	23.94
(1,288)	1:A:40:PRO:HG2	1:B:66:LYS:H	6	23.94
(1,288)	1:B:40:PRO:HG2	1:A:66:LYS:H	6	23.94
(1,288)	1:B:40:PRO:HG2	1:B:66:LYS:H	6	23.94
(1,732)	1:A:64:ALA:HA	1:A:39:LYS:HG2	11	23.93
(1,732)	1:A:64:ALA:HA	1:B:39:LYS:HG2	11	23.93
(1,732)	1:B:64:ALA:HA	1:A:39:LYS:HG2	11	23.93
(1,732)	1:B:64:ALA:HA	1:B:39:LYS:HG2	11	23.93
(1,288)	1:A:40:PRO:HG2	1:A:66:LYS:H	4	23.93
(1,288)	1:A:40:PRO:HG2	1:B:66:LYS:H	4	23.93
(1,288)	1:B:40:PRO:HG2	1:A:66:LYS:H	4	23.93
(1,288)	1:B:40:PRO:HG2	1:B:66:LYS:H	4	23.93
(1,632)	1:A:66:LYS:HG2	1:A:41:ILE:HG13	6	23.91
(1,632)	1:A:66:LYS:HG2	1:B:41:ILE:HG13	6	23.91
(1,632)	1:B:66:LYS:HG2	1:A:41:ILE:HG13	6	23.91
(1,632)	1:B:66:LYS:HG2	1:B:41:ILE:HG13	6	23.91
(1,733)	1:A:64:ALA:HA	1:A:39:LYS:HD2	2	23.89
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD2	2	23.89
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD3	2	23.89
(1,733)	1:B:64:ALA:HA	1:A:39:LYS:HD2	2	23.89
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD2	2	23.89
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD3	2	23.89
(1,288)	1:A:40:PRO:HG2	1:A:66:LYS:H	12	23.85
(1,288)	1:A:40:PRO:HG2	1:B:66:LYS:H	12	23.85
(1,288)	1:B:40:PRO:HG2	1:A:66:LYS:H	12	23.85
(1,288)	1:B:40:PRO:HG2	1:B:66:LYS:H	12	23.85
(1,733)	1:A:64:ALA:HA	1:A:39:LYS:HD2	4	23.84
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD2	4	23.84
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD3	4	23.84
(1,733)	1:B:64:ALA:HA	1:A:39:LYS:HD2	4	23.84
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD2	4	23.84
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD3	4	23.84
(1,733)	1:A:64:ALA:HA	1:A:39:LYS:HD2	5	23.84
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD2	5	23.84
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD3	5	23.84
(1,733)	1:B:64:ALA:HA	1:A:39:LYS:HD2	5	23.84
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD2	5	23.84
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD3	5	23.84
(1,526)	1:A:40:PRO:HG3	1:A:66:LYS:H	5	23.84
(1,526)	1:A:40:PRO:HG3	1:B:66:LYS:H	5	23.84
(1,526)	1:B:40:PRO:HG3	1:A:66:LYS:H	5	23.84
(1,526)	1:B:40:PRO:HG3	1:B:66:LYS:H	5	23.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,734)	1:A:64:ALA:HA	1:A:39:LYS:HG3	20	23.83
(1,734)	1:A:64:ALA:HA	1:B:39:LYS:HG3	20	23.83
(1,734)	1:B:64:ALA:HA	1:A:39:LYS:HG3	20	23.83
(1,734)	1:B:64:ALA:HA	1:B:39:LYS:HG3	20	23.83
(1,632)	1:A:66:LYS:HG2	1:A:41:ILE:HG13	18	23.83
(1,632)	1:A:66:LYS:HG2	1:B:41:ILE:HG13	18	23.83
(1,632)	1:B:66:LYS:HG2	1:A:41:ILE:HG13	18	23.83
(1,632)	1:B:66:LYS:HG2	1:B:41:ILE:HG13	18	23.83
(1,288)	1:A:40:PRO:HG2	1:A:66:LYS:H	9	23.82
(1,288)	1:A:40:PRO:HG2	1:B:66:LYS:H	9	23.82
(1,288)	1:B:40:PRO:HG2	1:A:66:LYS:H	9	23.82
(1,288)	1:B:40:PRO:HG2	1:B:66:LYS:H	9	23.82
(1,632)	1:A:66:LYS:HG2	1:A:41:ILE:HG13	11	23.8
(1,632)	1:A:66:LYS:HG2	1:B:41:ILE:HG13	11	23.8
(1,632)	1:B:66:LYS:HG2	1:A:41:ILE:HG13	11	23.8
(1,632)	1:B:66:LYS:HG2	1:B:41:ILE:HG13	11	23.8
(1,526)	1:A:40:PRO:HG3	1:A:66:LYS:H	1	23.79
(1,526)	1:A:40:PRO:HG3	1:B:66:LYS:H	1	23.79
(1,526)	1:B:40:PRO:HG3	1:A:66:LYS:H	1	23.79
(1,526)	1:B:40:PRO:HG3	1:B:66:LYS:H	1	23.79
(1,734)	1:A:64:ALA:HA	1:A:39:LYS:HG3	4	23.78
(1,734)	1:A:64:ALA:HA	1:B:39:LYS:HG3	4	23.78
(1,734)	1:B:64:ALA:HA	1:A:39:LYS:HG3	4	23.78
(1,734)	1:B:64:ALA:HA	1:B:39:LYS:HG3	4	23.78
(1,544)	1:A:64:ALA:HA	1:A:39:LYS:HE2	12	23.78
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE2	12	23.78
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE3	12	23.78
(1,544)	1:B:64:ALA:HA	1:A:39:LYS:HE2	12	23.78
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE2	12	23.78
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE3	12	23.78
(1,734)	1:A:64:ALA:HA	1:A:39:LYS:HG3	13	23.77
(1,734)	1:A:64:ALA:HA	1:B:39:LYS:HG3	13	23.77
(1,734)	1:B:64:ALA:HA	1:A:39:LYS:HG3	13	23.77
(1,734)	1:B:64:ALA:HA	1:B:39:LYS:HG3	13	23.77
(1,288)	1:A:40:PRO:HG2	1:A:66:LYS:H	14	23.77
(1,288)	1:A:40:PRO:HG2	1:B:66:LYS:H	14	23.77
(1,288)	1:B:40:PRO:HG2	1:A:66:LYS:H	14	23.77
(1,288)	1:B:40:PRO:HG2	1:B:66:LYS:H	14	23.77
(1,734)	1:A:64:ALA:HA	1:A:39:LYS:HG3	17	23.76
(1,734)	1:A:64:ALA:HA	1:B:39:LYS:HG3	17	23.76
(1,734)	1:B:64:ALA:HA	1:A:39:LYS:HG3	17	23.76
(1,734)	1:B:64:ALA:HA	1:B:39:LYS:HG3	17	23.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:A:40:PRO:HG3	1:A:66:LYS:H	15	23.74
(1,526)	1:A:40:PRO:HG3	1:B:66:LYS:H	15	23.74
(1,526)	1:B:40:PRO:HG3	1:A:66:LYS:H	15	23.74
(1,526)	1:B:40:PRO:HG3	1:B:66:LYS:H	15	23.74
(1,733)	1:A:64:ALA:HA	1:A:39:LYS:HD2	14	23.72
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD2	14	23.72
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD3	14	23.72
(1,733)	1:B:64:ALA:HA	1:A:39:LYS:HD2	14	23.72
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD2	14	23.72
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD3	14	23.72
(1,526)	1:A:40:PRO:HG3	1:A:66:LYS:H	16	23.72
(1,526)	1:A:40:PRO:HG3	1:B:66:LYS:H	16	23.72
(1,526)	1:B:40:PRO:HG3	1:A:66:LYS:H	16	23.72
(1,526)	1:B:40:PRO:HG3	1:B:66:LYS:H	16	23.72
(1,288)	1:A:40:PRO:HG2	1:A:66:LYS:H	5	23.72
(1,288)	1:A:40:PRO:HG2	1:B:66:LYS:H	5	23.72
(1,288)	1:B:40:PRO:HG2	1:A:66:LYS:H	5	23.72
(1,288)	1:B:40:PRO:HG2	1:B:66:LYS:H	5	23.72
(1,732)	1:A:64:ALA:HA	1:A:39:LYS:HG2	7	23.71
(1,732)	1:A:64:ALA:HA	1:B:39:LYS:HG2	7	23.71
(1,732)	1:B:64:ALA:HA	1:A:39:LYS:HG2	7	23.71
(1,732)	1:B:64:ALA:HA	1:B:39:LYS:HG2	7	23.71
(1,526)	1:A:40:PRO:HG3	1:A:66:LYS:H	12	23.71
(1,526)	1:A:40:PRO:HG3	1:B:66:LYS:H	12	23.71
(1,526)	1:B:40:PRO:HG3	1:A:66:LYS:H	12	23.71
(1,526)	1:B:40:PRO:HG3	1:B:66:LYS:H	12	23.71
(1,288)	1:A:40:PRO:HG2	1:A:66:LYS:H	3	23.71
(1,288)	1:A:40:PRO:HG2	1:B:66:LYS:H	3	23.71
(1,288)	1:B:40:PRO:HG2	1:A:66:LYS:H	3	23.71
(1,288)	1:B:40:PRO:HG2	1:B:66:LYS:H	3	23.71
(1,544)	1:A:64:ALA:HA	1:A:39:LYS:HE2	14	23.7
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE2	14	23.7
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE3	14	23.7
(1,544)	1:B:64:ALA:HA	1:A:39:LYS:HE2	14	23.7
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE2	14	23.7
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE3	14	23.7
(1,288)	1:A:40:PRO:HG2	1:A:66:LYS:H	13	23.7
(1,288)	1:A:40:PRO:HG2	1:B:66:LYS:H	13	23.7
(1,288)	1:B:40:PRO:HG2	1:A:66:LYS:H	13	23.7
(1,288)	1:B:40:PRO:HG2	1:B:66:LYS:H	13	23.7
(1,733)	1:A:64:ALA:HA	1:A:39:LYS:HD2	20	23.65
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD2	20	23.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD3	20	23.65
(1,733)	1:B:64:ALA:HA	1:A:39:LYS:HD2	20	23.65
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD2	20	23.65
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD3	20	23.65
(1,288)	1:A:40:PRO:HG2	1:A:66:LYS:H	20	23.65
(1,288)	1:A:40:PRO:HG2	1:B:66:LYS:H	20	23.65
(1,288)	1:B:40:PRO:HG2	1:A:66:LYS:H	20	23.65
(1,288)	1:B:40:PRO:HG2	1:B:66:LYS:H	20	23.65
(1,733)	1:A:64:ALA:HA	1:A:39:LYS:HD2	16	23.64
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD2	16	23.64
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD3	16	23.64
(1,733)	1:B:64:ALA:HA	1:A:39:LYS:HD2	16	23.64
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD2	16	23.64
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD3	16	23.64
(1,544)	1:A:64:ALA:HA	1:A:39:LYS:HE2	18	23.61
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE2	18	23.61
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE3	18	23.61
(1,544)	1:B:64:ALA:HA	1:A:39:LYS:HE2	18	23.61
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE2	18	23.61
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE3	18	23.61
(1,288)	1:A:40:PRO:HG2	1:A:66:LYS:H	18	23.59
(1,288)	1:A:40:PRO:HG2	1:B:66:LYS:H	18	23.59
(1,288)	1:B:40:PRO:HG2	1:A:66:LYS:H	18	23.59
(1,288)	1:B:40:PRO:HG2	1:B:66:LYS:H	18	23.59
(1,526)	1:A:40:PRO:HG3	1:A:66:LYS:H	2	23.57
(1,526)	1:A:40:PRO:HG3	1:B:66:LYS:H	2	23.57
(1,526)	1:B:40:PRO:HG3	1:A:66:LYS:H	2	23.57
(1,526)	1:B:40:PRO:HG3	1:B:66:LYS:H	2	23.57
(1,526)	1:A:40:PRO:HG3	1:A:66:LYS:H	10	23.57
(1,526)	1:A:40:PRO:HG3	1:B:66:LYS:H	10	23.57
(1,526)	1:B:40:PRO:HG3	1:A:66:LYS:H	10	23.57
(1,526)	1:B:40:PRO:HG3	1:B:66:LYS:H	10	23.57
(1,734)	1:A:64:ALA:HA	1:A:39:LYS:HG3	2	23.54
(1,734)	1:A:64:ALA:HA	1:B:39:LYS:HG3	2	23.54
(1,734)	1:B:64:ALA:HA	1:A:39:LYS:HG3	2	23.54
(1,734)	1:B:64:ALA:HA	1:B:39:LYS:HG3	2	23.54
(1,733)	1:A:64:ALA:HA	1:A:39:LYS:HD2	15	23.54
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD2	15	23.54
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD3	15	23.54
(1,733)	1:B:64:ALA:HA	1:A:39:LYS:HD2	15	23.54
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD2	15	23.54
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD3	15	23.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,733)	1:A:64:ALA:HA	1:A:39:LYS:HD2	12	23.52
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD2	12	23.52
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD3	12	23.52
(1,733)	1:B:64:ALA:HA	1:A:39:LYS:HD2	12	23.52
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD2	12	23.52
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD3	12	23.52
(1,544)	1:A:64:ALA:HA	1:A:39:LYS:HE2	10	23.52
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE2	10	23.52
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE3	10	23.52
(1,544)	1:B:64:ALA:HA	1:A:39:LYS:HE2	10	23.52
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE2	10	23.52
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE3	10	23.52
(1,734)	1:A:64:ALA:HA	1:A:39:LYS:HG3	12	23.51
(1,734)	1:A:64:ALA:HA	1:B:39:LYS:HG3	12	23.51
(1,734)	1:B:64:ALA:HA	1:A:39:LYS:HG3	12	23.51
(1,734)	1:B:64:ALA:HA	1:B:39:LYS:HG3	12	23.51
(1,734)	1:A:64:ALA:HA	1:A:39:LYS:HG3	16	23.51
(1,734)	1:A:64:ALA:HA	1:B:39:LYS:HG3	16	23.51
(1,734)	1:B:64:ALA:HA	1:A:39:LYS:HG3	16	23.51
(1,734)	1:B:64:ALA:HA	1:B:39:LYS:HG3	16	23.51
(1,732)	1:A:64:ALA:HA	1:A:39:LYS:HG2	6	23.51
(1,732)	1:A:64:ALA:HA	1:B:39:LYS:HG2	6	23.51
(1,732)	1:B:64:ALA:HA	1:A:39:LYS:HG2	6	23.51
(1,732)	1:B:64:ALA:HA	1:B:39:LYS:HG2	6	23.51
(1,317)	1:A:64:ALA:H	1:A:39:LYS:HG2	19	23.47
(1,317)	1:A:64:ALA:H	1:B:39:LYS:HG2	19	23.47
(1,317)	1:B:64:ALA:H	1:A:39:LYS:HG2	19	23.47
(1,317)	1:B:64:ALA:H	1:B:39:LYS:HG2	19	23.47
(1,288)	1:A:40:PRO:HG2	1:A:66:LYS:H	17	23.46
(1,288)	1:A:40:PRO:HG2	1:B:66:LYS:H	17	23.46
(1,288)	1:B:40:PRO:HG2	1:A:66:LYS:H	17	23.46
(1,288)	1:B:40:PRO:HG2	1:B:66:LYS:H	17	23.46
(1,732)	1:A:64:ALA:HA	1:A:39:LYS:HG2	10	23.44
(1,732)	1:A:64:ALA:HA	1:B:39:LYS:HG2	10	23.44
(1,732)	1:B:64:ALA:HA	1:A:39:LYS:HG2	10	23.44
(1,732)	1:B:64:ALA:HA	1:B:39:LYS:HG2	10	23.44
(1,544)	1:A:64:ALA:HA	1:A:39:LYS:HE2	11	23.44
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE2	11	23.44
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE3	11	23.44
(1,544)	1:B:64:ALA:HA	1:A:39:LYS:HE2	11	23.44
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE2	11	23.44
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE3	11	23.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:A:66:LYS:HG2	1:A:41:ILE:HG13	15	23.39
(1,632)	1:A:66:LYS:HG2	1:B:41:ILE:HG13	15	23.39
(1,632)	1:B:66:LYS:HG2	1:A:41:ILE:HG13	15	23.39
(1,632)	1:B:66:LYS:HG2	1:B:41:ILE:HG13	15	23.39
(1,288)	1:A:40:PRO:HG2	1:A:66:LYS:H	16	23.36
(1,288)	1:A:40:PRO:HG2	1:B:66:LYS:H	16	23.36
(1,288)	1:B:40:PRO:HG2	1:A:66:LYS:H	16	23.36
(1,288)	1:B:40:PRO:HG2	1:B:66:LYS:H	16	23.36
(1,733)	1:A:64:ALA:HA	1:A:39:LYS:HD2	11	23.35
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD2	11	23.35
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD3	11	23.35
(1,733)	1:B:64:ALA:HA	1:A:39:LYS:HD2	11	23.35
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD2	11	23.35
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD3	11	23.35
(1,732)	1:A:64:ALA:HA	1:A:39:LYS:HG2	1	23.32
(1,732)	1:A:64:ALA:HA	1:B:39:LYS:HG2	1	23.32
(1,732)	1:B:64:ALA:HA	1:A:39:LYS:HG2	1	23.32
(1,732)	1:B:64:ALA:HA	1:B:39:LYS:HG2	1	23.32
(1,288)	1:A:40:PRO:HG2	1:A:66:LYS:H	11	23.31
(1,288)	1:A:40:PRO:HG2	1:B:66:LYS:H	11	23.31
(1,288)	1:B:40:PRO:HG2	1:A:66:LYS:H	11	23.31
(1,288)	1:B:40:PRO:HG2	1:B:66:LYS:H	11	23.31
(1,734)	1:A:64:ALA:HA	1:A:39:LYS:HG3	14	23.28
(1,734)	1:A:64:ALA:HA	1:B:39:LYS:HG3	14	23.28
(1,734)	1:B:64:ALA:HA	1:A:39:LYS:HG3	14	23.28
(1,734)	1:B:64:ALA:HA	1:B:39:LYS:HG3	14	23.28
(1,317)	1:A:64:ALA:H	1:A:39:LYS:HG2	8	23.28
(1,317)	1:A:64:ALA:H	1:B:39:LYS:HG2	8	23.28
(1,317)	1:B:64:ALA:H	1:A:39:LYS:HG2	8	23.28
(1,317)	1:B:64:ALA:H	1:B:39:LYS:HG2	8	23.28
(1,734)	1:A:64:ALA:HA	1:A:39:LYS:HG3	15	23.27
(1,734)	1:A:64:ALA:HA	1:B:39:LYS:HG3	15	23.27
(1,734)	1:B:64:ALA:HA	1:A:39:LYS:HG3	15	23.27
(1,734)	1:B:64:ALA:HA	1:B:39:LYS:HG3	15	23.27
(1,734)	1:A:64:ALA:HA	1:A:39:LYS:HG3	6	23.26
(1,734)	1:A:64:ALA:HA	1:B:39:LYS:HG3	6	23.26
(1,734)	1:B:64:ALA:HA	1:A:39:LYS:HG3	6	23.26
(1,734)	1:B:64:ALA:HA	1:B:39:LYS:HG3	6	23.26
(1,733)	1:A:64:ALA:HA	1:A:39:LYS:HD2	10	23.25
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD2	10	23.25
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD3	10	23.25
(1,733)	1:B:64:ALA:HA	1:A:39:LYS:HD2	10	23.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD2	10	23.25
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD3	10	23.25
(1,733)	1:A:64:ALA:HA	1:A:39:LYS:HD2	7	23.22
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD2	7	23.22
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD3	7	23.22
(1,733)	1:B:64:ALA:HA	1:A:39:LYS:HD2	7	23.22
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD2	7	23.22
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD3	7	23.22
(1,703)	1:A:66:LYS:HA	1:A:41:ILE:HG13	4	23.21
(1,703)	1:A:66:LYS:HA	1:B:41:ILE:HG13	4	23.21
(1,703)	1:B:66:LYS:HA	1:A:41:ILE:HG13	4	23.21
(1,703)	1:B:66:LYS:HA	1:B:41:ILE:HG13	4	23.21
(1,288)	1:A:40:PRO:HG2	1:A:66:LYS:H	7	23.2
(1,288)	1:A:40:PRO:HG2	1:B:66:LYS:H	7	23.2
(1,288)	1:B:40:PRO:HG2	1:A:66:LYS:H	7	23.2
(1,288)	1:B:40:PRO:HG2	1:B:66:LYS:H	7	23.2
(1,734)	1:A:64:ALA:HA	1:A:39:LYS:HG3	11	23.17
(1,734)	1:A:64:ALA:HA	1:B:39:LYS:HG3	11	23.17
(1,734)	1:B:64:ALA:HA	1:A:39:LYS:HG3	11	23.17
(1,734)	1:B:64:ALA:HA	1:B:39:LYS:HG3	11	23.17
(1,544)	1:A:64:ALA:HA	1:A:39:LYS:HE2	7	23.17
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE2	7	23.17
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE3	7	23.17
(1,544)	1:B:64:ALA:HA	1:A:39:LYS:HE2	7	23.17
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE2	7	23.17
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE3	7	23.17
(1,703)	1:A:66:LYS:HA	1:A:41:ILE:HG13	13	23.15
(1,703)	1:A:66:LYS:HA	1:B:41:ILE:HG13	13	23.15
(1,703)	1:B:66:LYS:HA	1:A:41:ILE:HG13	13	23.15
(1,703)	1:B:66:LYS:HA	1:B:41:ILE:HG13	13	23.15
(1,632)	1:A:66:LYS:HG2	1:A:41:ILE:HG13	17	23.15
(1,632)	1:A:66:LYS:HG2	1:B:41:ILE:HG13	17	23.15
(1,632)	1:B:66:LYS:HG2	1:A:41:ILE:HG13	17	23.15
(1,632)	1:B:66:LYS:HG2	1:B:41:ILE:HG13	17	23.15
(1,288)	1:A:40:PRO:HG2	1:A:66:LYS:H	1	23.13
(1,288)	1:A:40:PRO:HG2	1:B:66:LYS:H	1	23.13
(1,288)	1:B:40:PRO:HG2	1:A:66:LYS:H	1	23.13
(1,288)	1:B:40:PRO:HG2	1:B:66:LYS:H	1	23.13
(1,288)	1:A:40:PRO:HG2	1:A:66:LYS:H	2	23.1
(1,288)	1:A:40:PRO:HG2	1:B:66:LYS:H	2	23.1
(1,288)	1:B:40:PRO:HG2	1:A:66:LYS:H	2	23.1
(1,288)	1:B:40:PRO:HG2	1:B:66:LYS:H	2	23.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,317)	1:A:64:ALA:H	1:A:39:LYS:HG2	18	23.07
(1,317)	1:A:64:ALA:H	1:B:39:LYS:HG2	18	23.07
(1,317)	1:B:64:ALA:H	1:A:39:LYS:HG2	18	23.07
(1,317)	1:B:64:ALA:H	1:B:39:LYS:HG2	18	23.07
(1,317)	1:A:64:ALA:H	1:A:39:LYS:HG2	9	23.01
(1,317)	1:A:64:ALA:H	1:B:39:LYS:HG2	9	23.01
(1,317)	1:B:64:ALA:H	1:A:39:LYS:HG2	9	23.01
(1,317)	1:B:64:ALA:H	1:B:39:LYS:HG2	9	23.01
(1,734)	1:A:64:ALA:HA	1:A:39:LYS:HG3	10	22.99
(1,734)	1:A:64:ALA:HA	1:B:39:LYS:HG3	10	22.99
(1,734)	1:B:64:ALA:HA	1:A:39:LYS:HG3	10	22.99
(1,734)	1:B:64:ALA:HA	1:B:39:LYS:HG3	10	22.99
(1,734)	1:A:64:ALA:HA	1:A:39:LYS:HG3	7	22.97
(1,734)	1:A:64:ALA:HA	1:B:39:LYS:HG3	7	22.97
(1,734)	1:B:64:ALA:HA	1:A:39:LYS:HG3	7	22.97
(1,734)	1:B:64:ALA:HA	1:B:39:LYS:HG3	7	22.97
(1,544)	1:A:64:ALA:HA	1:A:39:LYS:HE2	1	22.96
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE2	1	22.96
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE3	1	22.96
(1,544)	1:B:64:ALA:HA	1:A:39:LYS:HE2	1	22.96
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE2	1	22.96
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE3	1	22.96
(1,288)	1:A:40:PRO:HG2	1:A:66:LYS:H	10	22.96
(1,288)	1:A:40:PRO:HG2	1:B:66:LYS:H	10	22.96
(1,288)	1:B:40:PRO:HG2	1:A:66:LYS:H	10	22.96
(1,288)	1:B:40:PRO:HG2	1:B:66:LYS:H	10	22.96
(1,317)	1:A:64:ALA:H	1:A:39:LYS:HG2	5	22.94
(1,317)	1:A:64:ALA:H	1:B:39:LYS:HG2	5	22.94
(1,317)	1:B:64:ALA:H	1:A:39:LYS:HG2	5	22.94
(1,317)	1:B:64:ALA:H	1:B:39:LYS:HG2	5	22.94
(1,733)	1:A:64:ALA:HA	1:A:39:LYS:HD2	1	22.93
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD2	1	22.93
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD3	1	22.93
(1,733)	1:B:64:ALA:HA	1:A:39:LYS:HD2	1	22.93
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD2	1	22.93
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD3	1	22.93
(1,703)	1:A:66:LYS:HA	1:A:41:ILE:HG13	19	22.92
(1,703)	1:A:66:LYS:HA	1:B:41:ILE:HG13	19	22.92
(1,703)	1:B:66:LYS:HA	1:A:41:ILE:HG13	19	22.92
(1,703)	1:B:66:LYS:HA	1:B:41:ILE:HG13	19	22.92
(1,288)	1:A:40:PRO:HG2	1:A:66:LYS:H	15	22.91
(1,288)	1:A:40:PRO:HG2	1:B:66:LYS:H	15	22.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,288)	1:B:40:PRO:HG2	1:A:66:LYS:H	15	22.91
(1,288)	1:B:40:PRO:HG2	1:B:66:LYS:H	15	22.91
(1,317)	1:A:64:ALA:H	1:A:39:LYS:HG2	3	22.89
(1,317)	1:A:64:ALA:H	1:B:39:LYS:HG2	3	22.89
(1,317)	1:B:64:ALA:H	1:A:39:LYS:HG2	3	22.89
(1,317)	1:B:64:ALA:H	1:B:39:LYS:HG2	3	22.89
(1,317)	1:A:64:ALA:H	1:A:39:LYS:HG2	20	22.84
(1,317)	1:A:64:ALA:H	1:B:39:LYS:HG2	20	22.84
(1,317)	1:B:64:ALA:H	1:A:39:LYS:HG2	20	22.84
(1,317)	1:B:64:ALA:H	1:B:39:LYS:HG2	20	22.84
(1,786)	1:A:39:LYS:HE2	1:A:65:LEU:HG	19	22.75
(1,786)	1:A:39:LYS:HE2	1:B:65:LEU:HG	19	22.75
(1,786)	1:B:39:LYS:HE2	1:A:65:LEU:HG	19	22.75
(1,786)	1:B:39:LYS:HE2	1:B:65:LEU:HG	19	22.75
(1,786)	1:B:39:LYS:HE3	1:A:65:LEU:HG	19	22.75
(1,786)	1:B:39:LYS:HE3	1:B:65:LEU:HG	19	22.75
(1,703)	1:A:66:LYS:HA	1:A:41:ILE:HG13	9	22.69
(1,703)	1:A:66:LYS:HA	1:B:41:ILE:HG13	9	22.69
(1,703)	1:B:66:LYS:HA	1:A:41:ILE:HG13	9	22.69
(1,703)	1:B:66:LYS:HA	1:B:41:ILE:HG13	9	22.69
(1,703)	1:A:66:LYS:HA	1:A:41:ILE:HG13	2	22.67
(1,703)	1:A:66:LYS:HA	1:B:41:ILE:HG13	2	22.67
(1,703)	1:B:66:LYS:HA	1:A:41:ILE:HG13	2	22.67
(1,703)	1:B:66:LYS:HA	1:B:41:ILE:HG13	2	22.67
(1,703)	1:A:66:LYS:HA	1:A:41:ILE:HG13	12	22.67
(1,703)	1:A:66:LYS:HA	1:B:41:ILE:HG13	12	22.67
(1,703)	1:B:66:LYS:HA	1:A:41:ILE:HG13	12	22.67
(1,703)	1:B:66:LYS:HA	1:B:41:ILE:HG13	12	22.67
(1,703)	1:A:66:LYS:HA	1:A:41:ILE:HG13	16	22.67
(1,703)	1:A:66:LYS:HA	1:B:41:ILE:HG13	16	22.67
(1,703)	1:B:66:LYS:HA	1:A:41:ILE:HG13	16	22.67
(1,703)	1:B:66:LYS:HA	1:B:41:ILE:HG13	16	22.67
(1,703)	1:A:66:LYS:HA	1:A:41:ILE:HG13	8	22.66
(1,703)	1:A:66:LYS:HA	1:B:41:ILE:HG13	8	22.66
(1,703)	1:B:66:LYS:HA	1:A:41:ILE:HG13	8	22.66
(1,703)	1:B:66:LYS:HA	1:B:41:ILE:HG13	8	22.66
(1,317)	1:A:64:ALA:H	1:A:39:LYS:HG2	13	22.62
(1,317)	1:A:64:ALA:H	1:B:39:LYS:HG2	13	22.62
(1,317)	1:B:64:ALA:H	1:A:39:LYS:HG2	13	22.62
(1,317)	1:B:64:ALA:H	1:B:39:LYS:HG2	13	22.62
(1,734)	1:A:64:ALA:HA	1:A:39:LYS:HG3	1	22.58
(1,734)	1:A:64:ALA:HA	1:B:39:LYS:HG3	1	22.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,734)	1:B:64:ALA:HA	1:A:39:LYS:HG3	1	22.58
(1,734)	1:B:64:ALA:HA	1:B:39:LYS:HG3	1	22.58
(1,317)	1:A:64:ALA:H	1:A:39:LYS:HG2	17	22.58
(1,317)	1:A:64:ALA:H	1:B:39:LYS:HG2	17	22.58
(1,317)	1:B:64:ALA:H	1:A:39:LYS:HG2	17	22.58
(1,317)	1:B:64:ALA:H	1:B:39:LYS:HG2	17	22.58
(1,703)	1:A:66:LYS:HA	1:A:41:ILE:HG13	3	22.54
(1,703)	1:A:66:LYS:HA	1:B:41:ILE:HG13	3	22.54
(1,703)	1:B:66:LYS:HA	1:A:41:ILE:HG13	3	22.54
(1,703)	1:B:66:LYS:HA	1:B:41:ILE:HG13	3	22.54
(1,703)	1:A:66:LYS:HA	1:A:41:ILE:HG13	1	22.53
(1,703)	1:A:66:LYS:HA	1:B:41:ILE:HG13	1	22.53
(1,703)	1:B:66:LYS:HA	1:A:41:ILE:HG13	1	22.53
(1,703)	1:B:66:LYS:HA	1:B:41:ILE:HG13	1	22.53
(1,786)	1:A:39:LYS:HE2	1:A:65:LEU:HG	8	22.51
(1,786)	1:A:39:LYS:HE2	1:B:65:LEU:HG	8	22.51
(1,786)	1:B:39:LYS:HE2	1:A:65:LEU:HG	8	22.51
(1,786)	1:B:39:LYS:HE2	1:B:65:LEU:HG	8	22.51
(1,786)	1:B:39:LYS:HE3	1:A:65:LEU:HG	8	22.51
(1,786)	1:B:39:LYS:HE3	1:B:65:LEU:HG	8	22.51
(1,24)	1:A:64:ALA:H	1:A:39:LYS:HG3	19	22.48
(1,24)	1:A:64:ALA:H	1:B:39:LYS:HG3	19	22.48
(1,24)	1:B:64:ALA:H	1:A:39:LYS:HG3	19	22.48
(1,24)	1:B:64:ALA:H	1:B:39:LYS:HG3	19	22.48
(1,703)	1:A:66:LYS:HA	1:A:41:ILE:HG13	5	22.47
(1,703)	1:A:66:LYS:HA	1:B:41:ILE:HG13	5	22.47
(1,703)	1:B:66:LYS:HA	1:A:41:ILE:HG13	5	22.47
(1,703)	1:B:66:LYS:HA	1:B:41:ILE:HG13	5	22.47
(1,703)	1:A:66:LYS:HA	1:A:41:ILE:HG13	6	22.45
(1,703)	1:A:66:LYS:HA	1:B:41:ILE:HG13	6	22.45
(1,703)	1:B:66:LYS:HA	1:A:41:ILE:HG13	6	22.45
(1,703)	1:B:66:LYS:HA	1:B:41:ILE:HG13	6	22.45
(1,317)	1:A:64:ALA:H	1:A:39:LYS:HG2	4	22.45
(1,317)	1:A:64:ALA:H	1:B:39:LYS:HG2	4	22.45
(1,317)	1:B:64:ALA:H	1:A:39:LYS:HG2	4	22.45
(1,317)	1:B:64:ALA:H	1:B:39:LYS:HG2	4	22.45
(1,544)	1:A:64:ALA:HA	1:A:39:LYS:HE2	6	22.39
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE2	6	22.39
(1,544)	1:A:64:ALA:HA	1:B:39:LYS:HE3	6	22.39
(1,544)	1:B:64:ALA:HA	1:A:39:LYS:HE2	6	22.39
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE2	6	22.39
(1,544)	1:B:64:ALA:HA	1:B:39:LYS:HE3	6	22.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,703)	1:A:66:LYS:HA	1:A:41:ILE:HG13	14	22.38
(1,703)	1:A:66:LYS:HA	1:B:41:ILE:HG13	14	22.38
(1,703)	1:B:66:LYS:HA	1:A:41:ILE:HG13	14	22.38
(1,703)	1:B:66:LYS:HA	1:B:41:ILE:HG13	14	22.38
(1,317)	1:A:64:ALA:H	1:A:39:LYS:HG2	2	22.37
(1,317)	1:A:64:ALA:H	1:B:39:LYS:HG2	2	22.37
(1,317)	1:B:64:ALA:H	1:A:39:LYS:HG2	2	22.37
(1,317)	1:B:64:ALA:H	1:B:39:LYS:HG2	2	22.37
(1,527)	1:A:39:LYS:HE2	1:A:66:LYS:H	19	22.33
(1,527)	1:A:39:LYS:HE2	1:B:66:LYS:H	19	22.33
(1,527)	1:B:39:LYS:HE2	1:A:66:LYS:H	19	22.33
(1,527)	1:B:39:LYS:HE2	1:B:66:LYS:H	19	22.33
(1,527)	1:B:39:LYS:HE3	1:A:66:LYS:H	19	22.33
(1,527)	1:B:39:LYS:HE3	1:B:66:LYS:H	19	22.33
(1,317)	1:A:64:ALA:H	1:A:39:LYS:HG2	16	22.33
(1,317)	1:A:64:ALA:H	1:B:39:LYS:HG2	16	22.33
(1,317)	1:B:64:ALA:H	1:A:39:LYS:HG2	16	22.33
(1,317)	1:B:64:ALA:H	1:B:39:LYS:HG2	16	22.33
(1,317)	1:A:64:ALA:H	1:A:39:LYS:HG2	14	22.32
(1,317)	1:A:64:ALA:H	1:B:39:LYS:HG2	14	22.32
(1,317)	1:B:64:ALA:H	1:A:39:LYS:HG2	14	22.32
(1,317)	1:B:64:ALA:H	1:B:39:LYS:HG2	14	22.32
(1,703)	1:A:66:LYS:HA	1:A:41:ILE:HG13	11	22.31
(1,703)	1:A:66:LYS:HA	1:B:41:ILE:HG13	11	22.31
(1,703)	1:B:66:LYS:HA	1:A:41:ILE:HG13	11	22.31
(1,703)	1:B:66:LYS:HA	1:B:41:ILE:HG13	11	22.31
(1,317)	1:A:64:ALA:H	1:A:39:LYS:HG2	15	22.27
(1,317)	1:A:64:ALA:H	1:B:39:LYS:HG2	15	22.27
(1,317)	1:B:64:ALA:H	1:A:39:LYS:HG2	15	22.27
(1,317)	1:B:64:ALA:H	1:B:39:LYS:HG2	15	22.27
(1,733)	1:A:64:ALA:HA	1:A:39:LYS:HD2	6	22.26
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD2	6	22.26
(1,733)	1:A:64:ALA:HA	1:B:39:LYS:HD3	6	22.26
(1,733)	1:B:64:ALA:HA	1:A:39:LYS:HD2	6	22.26
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD2	6	22.26
(1,733)	1:B:64:ALA:HA	1:B:39:LYS:HD3	6	22.26
(1,703)	1:A:66:LYS:HA	1:A:41:ILE:HG13	10	22.23
(1,703)	1:A:66:LYS:HA	1:B:41:ILE:HG13	10	22.23
(1,703)	1:B:66:LYS:HA	1:A:41:ILE:HG13	10	22.23
(1,703)	1:B:66:LYS:HA	1:B:41:ILE:HG13	10	22.23
(1,703)	1:A:66:LYS:HA	1:A:41:ILE:HG13	20	22.21
(1,703)	1:A:66:LYS:HA	1:B:41:ILE:HG13	20	22.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,703)	1:B:66:LYS:HA	1:A:41:ILE:HG13	20	22.21
(1,703)	1:B:66:LYS:HA	1:B:41:ILE:HG13	20	22.21
(1,317)	1:A:64:ALA:H	1:A:39:LYS:HG2	12	22.2
(1,317)	1:A:64:ALA:H	1:B:39:LYS:HG2	12	22.2
(1,317)	1:B:64:ALA:H	1:A:39:LYS:HG2	12	22.2
(1,317)	1:B:64:ALA:H	1:B:39:LYS:HG2	12	22.2
(1,317)	1:A:64:ALA:H	1:A:39:LYS:HG2	11	22.17
(1,317)	1:A:64:ALA:H	1:B:39:LYS:HG2	11	22.17
(1,317)	1:B:64:ALA:H	1:A:39:LYS:HG2	11	22.17
(1,317)	1:B:64:ALA:H	1:B:39:LYS:HG2	11	22.17
(1,24)	1:A:64:ALA:H	1:A:39:LYS:HG3	8	22.14
(1,24)	1:A:64:ALA:H	1:B:39:LYS:HG3	8	22.14
(1,24)	1:B:64:ALA:H	1:A:39:LYS:HG3	8	22.14
(1,24)	1:B:64:ALA:H	1:B:39:LYS:HG3	8	22.14
(1,703)	1:A:66:LYS:HA	1:A:41:ILE:HG13	18	22.07
(1,703)	1:A:66:LYS:HA	1:B:41:ILE:HG13	18	22.07
(1,703)	1:B:66:LYS:HA	1:A:41:ILE:HG13	18	22.07
(1,703)	1:B:66:LYS:HA	1:B:41:ILE:HG13	18	22.07
(1,786)	1:A:39:LYS:HE2	1:A:65:LEU:HG	9	22.06
(1,786)	1:A:39:LYS:HE2	1:B:65:LEU:HG	9	22.06
(1,786)	1:B:39:LYS:HE2	1:A:65:LEU:HG	9	22.06
(1,786)	1:B:39:LYS:HE2	1:B:65:LEU:HG	9	22.06
(1,786)	1:B:39:LYS:HE3	1:A:65:LEU:HG	9	22.06
(1,786)	1:B:39:LYS:HE3	1:B:65:LEU:HG	9	22.06
(1,703)	1:A:66:LYS:HA	1:A:41:ILE:HG13	7	22.06
(1,703)	1:A:66:LYS:HA	1:B:41:ILE:HG13	7	22.06
(1,703)	1:B:66:LYS:HA	1:A:41:ILE:HG13	7	22.06
(1,703)	1:B:66:LYS:HA	1:B:41:ILE:HG13	7	22.06
(1,24)	1:A:64:ALA:H	1:A:39:LYS:HG3	9	22.05
(1,24)	1:A:64:ALA:H	1:B:39:LYS:HG3	9	22.05
(1,24)	1:B:64:ALA:H	1:A:39:LYS:HG3	9	22.05
(1,24)	1:B:64:ALA:H	1:B:39:LYS:HG3	9	22.05
(1,527)	1:A:39:LYS:HE2	1:A:66:LYS:H	8	22.03
(1,527)	1:A:39:LYS:HE2	1:B:66:LYS:H	8	22.03
(1,527)	1:B:39:LYS:HE2	1:A:66:LYS:H	8	22.03
(1,527)	1:B:39:LYS:HE2	1:B:66:LYS:H	8	22.03
(1,527)	1:B:39:LYS:HE3	1:A:66:LYS:H	8	22.03
(1,527)	1:B:39:LYS:HE3	1:B:66:LYS:H	8	22.03
(1,24)	1:A:64:ALA:H	1:A:39:LYS:HG3	5	22.03
(1,24)	1:A:64:ALA:H	1:B:39:LYS:HG3	5	22.03
(1,24)	1:B:64:ALA:H	1:A:39:LYS:HG3	5	22.03
(1,24)	1:B:64:ALA:H	1:B:39:LYS:HG3	5	22.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:A:66:LYS:HA	1:A:41:ILE:HG12	4	22.0
(1,702)	1:A:66:LYS:HA	1:B:41:ILE:HG12	4	22.0
(1,702)	1:B:66:LYS:HA	1:A:41:ILE:HG12	4	22.0
(1,702)	1:B:66:LYS:HA	1:B:41:ILE:HG12	4	22.0
(1,21)	1:A:64:ALA:H	1:A:39:LYS:HE2	19	22.0
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE2	19	22.0
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE3	19	22.0
(1,21)	1:B:64:ALA:H	1:A:39:LYS:HE2	19	22.0
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE2	19	22.0
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE3	19	22.0
(1,527)	1:A:39:LYS:HE2	1:A:66:LYS:H	13	21.95
(1,527)	1:A:39:LYS:HE2	1:B:66:LYS:H	13	21.95
(1,527)	1:B:39:LYS:HE2	1:A:66:LYS:H	13	21.95
(1,527)	1:B:39:LYS:HE2	1:B:66:LYS:H	13	21.95
(1,527)	1:B:39:LYS:HE3	1:A:66:LYS:H	13	21.95
(1,527)	1:B:39:LYS:HE3	1:B:66:LYS:H	13	21.95
(1,317)	1:A:64:ALA:H	1:A:39:LYS:HG2	7	21.95
(1,317)	1:A:64:ALA:H	1:B:39:LYS:HG2	7	21.95
(1,317)	1:B:64:ALA:H	1:A:39:LYS:HG2	7	21.95
(1,317)	1:B:64:ALA:H	1:B:39:LYS:HG2	7	21.95
(1,24)	1:A:64:ALA:H	1:A:39:LYS:HG3	18	21.95
(1,24)	1:A:64:ALA:H	1:B:39:LYS:HG3	18	21.95
(1,24)	1:B:64:ALA:H	1:A:39:LYS:HG3	18	21.95
(1,24)	1:B:64:ALA:H	1:B:39:LYS:HG3	18	21.95
(1,24)	1:A:64:ALA:H	1:A:39:LYS:HG3	3	21.94
(1,24)	1:A:64:ALA:H	1:B:39:LYS:HG3	3	21.94
(1,24)	1:B:64:ALA:H	1:A:39:LYS:HG3	3	21.94
(1,24)	1:B:64:ALA:H	1:B:39:LYS:HG3	3	21.94
(1,702)	1:A:66:LYS:HA	1:A:41:ILE:HG12	13	21.89
(1,702)	1:A:66:LYS:HA	1:B:41:ILE:HG12	13	21.89
(1,702)	1:B:66:LYS:HA	1:A:41:ILE:HG12	13	21.89
(1,702)	1:B:66:LYS:HA	1:B:41:ILE:HG12	13	21.89
(1,305)	1:A:39:LYS:HD2	1:A:66:LYS:H	19	21.89
(1,305)	1:A:39:LYS:HD2	1:B:66:LYS:H	19	21.89
(1,305)	1:B:39:LYS:HD2	1:A:66:LYS:H	19	21.89
(1,305)	1:B:39:LYS:HD2	1:B:66:LYS:H	19	21.89
(1,305)	1:B:39:LYS:HD3	1:A:66:LYS:H	19	21.89
(1,305)	1:B:39:LYS:HD3	1:B:66:LYS:H	19	21.89
(1,786)	1:A:39:LYS:HE2	1:A:65:LEU:HG	3	21.82
(1,786)	1:A:39:LYS:HE2	1:B:65:LEU:HG	3	21.82
(1,786)	1:B:39:LYS:HE2	1:A:65:LEU:HG	3	21.82
(1,786)	1:B:39:LYS:HE2	1:B:65:LEU:HG	3	21.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,786)	1:B:39:LYS:HE3	1:A:65:LEU:HG	3	21.82
(1,786)	1:B:39:LYS:HE3	1:B:65:LEU:HG	3	21.82
(1,702)	1:A:66:LYS:HA	1:A:41:ILE:HG12	19	21.82
(1,702)	1:A:66:LYS:HA	1:B:41:ILE:HG12	19	21.82
(1,702)	1:B:66:LYS:HA	1:A:41:ILE:HG12	19	21.82
(1,702)	1:B:66:LYS:HA	1:B:41:ILE:HG12	19	21.82
(1,24)	1:A:64:ALA:H	1:A:39:LYS:HG3	13	21.76
(1,24)	1:A:64:ALA:H	1:B:39:LYS:HG3	13	21.76
(1,24)	1:B:64:ALA:H	1:A:39:LYS:HG3	13	21.76
(1,24)	1:B:64:ALA:H	1:B:39:LYS:HG3	13	21.76
(1,24)	1:A:64:ALA:H	1:A:39:LYS:HG3	17	21.74
(1,24)	1:A:64:ALA:H	1:B:39:LYS:HG3	17	21.74
(1,24)	1:B:64:ALA:H	1:A:39:LYS:HG3	17	21.74
(1,24)	1:B:64:ALA:H	1:B:39:LYS:HG3	17	21.74
(1,24)	1:A:64:ALA:H	1:A:39:LYS:HG3	20	21.73
(1,24)	1:A:64:ALA:H	1:B:39:LYS:HG3	20	21.73
(1,24)	1:B:64:ALA:H	1:A:39:LYS:HG3	20	21.73
(1,24)	1:B:64:ALA:H	1:B:39:LYS:HG3	20	21.73
(1,24)	1:A:64:ALA:H	1:A:39:LYS:HG3	4	21.71
(1,24)	1:A:64:ALA:H	1:B:39:LYS:HG3	4	21.71
(1,24)	1:B:64:ALA:H	1:A:39:LYS:HG3	4	21.71
(1,24)	1:B:64:ALA:H	1:B:39:LYS:HG3	4	21.71
(1,305)	1:A:39:LYS:HD2	1:A:66:LYS:H	9	21.7
(1,305)	1:A:39:LYS:HD2	1:B:66:LYS:H	9	21.7
(1,305)	1:B:39:LYS:HD2	1:A:66:LYS:H	9	21.7
(1,305)	1:B:39:LYS:HD2	1:B:66:LYS:H	9	21.7
(1,305)	1:B:39:LYS:HD3	1:A:66:LYS:H	9	21.7
(1,305)	1:B:39:LYS:HD3	1:B:66:LYS:H	9	21.7
(1,786)	1:A:39:LYS:HE2	1:A:65:LEU:HG	13	21.68
(1,786)	1:A:39:LYS:HE2	1:B:65:LEU:HG	13	21.68
(1,786)	1:B:39:LYS:HE2	1:A:65:LEU:HG	13	21.68
(1,786)	1:B:39:LYS:HE2	1:B:65:LEU:HG	13	21.68
(1,786)	1:B:39:LYS:HE3	1:A:65:LEU:HG	13	21.68
(1,786)	1:B:39:LYS:HE3	1:B:65:LEU:HG	13	21.68
(1,527)	1:A:39:LYS:HE2	1:A:66:LYS:H	3	21.68
(1,527)	1:A:39:LYS:HE2	1:B:66:LYS:H	3	21.68
(1,527)	1:B:39:LYS:HE2	1:A:66:LYS:H	3	21.68
(1,527)	1:B:39:LYS:HE2	1:B:66:LYS:H	3	21.68
(1,527)	1:B:39:LYS:HE3	1:A:66:LYS:H	3	21.68
(1,527)	1:B:39:LYS:HE3	1:B:66:LYS:H	3	21.68
(1,317)	1:A:64:ALA:H	1:A:39:LYS:HG2	6	21.68
(1,317)	1:A:64:ALA:H	1:B:39:LYS:HG2	6	21.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,317)	1:B:64:ALA:H	1:A:39:LYS:HG2	6	21.68
(1,317)	1:B:64:ALA:H	1:B:39:LYS:HG2	6	21.68
(1,317)	1:A:64:ALA:H	1:A:39:LYS:HG2	10	21.67
(1,317)	1:A:64:ALA:H	1:B:39:LYS:HG2	10	21.67
(1,317)	1:B:64:ALA:H	1:A:39:LYS:HG2	10	21.67
(1,317)	1:B:64:ALA:H	1:B:39:LYS:HG2	10	21.67
(1,703)	1:A:66:LYS:HA	1:A:41:ILE:HG13	15	21.66
(1,703)	1:A:66:LYS:HA	1:B:41:ILE:HG13	15	21.66
(1,703)	1:B:66:LYS:HA	1:A:41:ILE:HG13	15	21.66
(1,703)	1:B:66:LYS:HA	1:B:41:ILE:HG13	15	21.66
(1,305)	1:A:39:LYS:HD2	1:A:66:LYS:H	8	21.65
(1,305)	1:A:39:LYS:HD2	1:B:66:LYS:H	8	21.65
(1,305)	1:B:39:LYS:HD2	1:A:66:LYS:H	8	21.65
(1,305)	1:B:39:LYS:HD2	1:B:66:LYS:H	8	21.65
(1,305)	1:B:39:LYS:HD3	1:A:66:LYS:H	8	21.65
(1,305)	1:B:39:LYS:HD3	1:B:66:LYS:H	8	21.65
(1,786)	1:A:39:LYS:HE2	1:A:65:LEU:HG	20	21.63
(1,786)	1:A:39:LYS:HE2	1:B:65:LEU:HG	20	21.63
(1,786)	1:B:39:LYS:HE2	1:A:65:LEU:HG	20	21.63
(1,786)	1:B:39:LYS:HE2	1:B:65:LEU:HG	20	21.63
(1,786)	1:B:39:LYS:HE3	1:A:65:LEU:HG	20	21.63
(1,786)	1:B:39:LYS:HE3	1:B:65:LEU:HG	20	21.63
(1,527)	1:A:39:LYS:HE2	1:A:66:LYS:H	9	21.62
(1,527)	1:A:39:LYS:HE2	1:B:66:LYS:H	9	21.62
(1,527)	1:B:39:LYS:HE2	1:A:66:LYS:H	9	21.62
(1,527)	1:B:39:LYS:HE2	1:B:66:LYS:H	9	21.62
(1,527)	1:B:39:LYS:HE3	1:A:66:LYS:H	9	21.62
(1,527)	1:B:39:LYS:HE3	1:B:66:LYS:H	9	21.62
(1,21)	1:A:64:ALA:H	1:A:39:LYS:HE2	13	21.61
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE2	13	21.61
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE3	13	21.61
(1,21)	1:B:64:ALA:H	1:A:39:LYS:HE2	13	21.61
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE2	13	21.61
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE3	13	21.61
(1,702)	1:A:66:LYS:HA	1:A:41:ILE:HG12	9	21.58
(1,702)	1:A:66:LYS:HA	1:B:41:ILE:HG12	9	21.58
(1,702)	1:B:66:LYS:HA	1:A:41:ILE:HG12	9	21.58
(1,702)	1:B:66:LYS:HA	1:B:41:ILE:HG12	9	21.58
(1,527)	1:A:39:LYS:HE2	1:A:66:LYS:H	4	21.57
(1,527)	1:A:39:LYS:HE2	1:B:66:LYS:H	4	21.57
(1,527)	1:B:39:LYS:HE2	1:A:66:LYS:H	4	21.57
(1,527)	1:B:39:LYS:HE2	1:B:66:LYS:H	4	21.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:B:39:LYS:HE3	1:A:66:LYS:H	4	21.57
(1,527)	1:B:39:LYS:HE3	1:B:66:LYS:H	4	21.57
(1,702)	1:A:66:LYS:HA	1:A:41:ILE:HG12	8	21.56
(1,702)	1:A:66:LYS:HA	1:B:41:ILE:HG12	8	21.56
(1,702)	1:B:66:LYS:HA	1:A:41:ILE:HG12	8	21.56
(1,702)	1:B:66:LYS:HA	1:B:41:ILE:HG12	8	21.56
(1,465)	1:A:61:ILE:HA	1:A:36:LYS:HE2	8	21.55
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE2	8	21.55
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE3	8	21.55
(1,465)	1:B:61:ILE:HA	1:A:36:LYS:HE2	8	21.55
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE2	8	21.55
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE3	8	21.55
(1,786)	1:A:39:LYS:HE2	1:A:65:LEU:HG	14	21.54
(1,786)	1:A:39:LYS:HE2	1:B:65:LEU:HG	14	21.54
(1,786)	1:B:39:LYS:HE2	1:A:65:LEU:HG	14	21.54
(1,786)	1:B:39:LYS:HE2	1:B:65:LEU:HG	14	21.54
(1,786)	1:B:39:LYS:HE3	1:A:65:LEU:HG	14	21.54
(1,786)	1:B:39:LYS:HE3	1:B:65:LEU:HG	14	21.54
(1,703)	1:A:66:LYS:HA	1:A:41:ILE:HG13	17	21.54
(1,703)	1:A:66:LYS:HA	1:B:41:ILE:HG13	17	21.54
(1,703)	1:B:66:LYS:HA	1:A:41:ILE:HG13	17	21.54
(1,703)	1:B:66:LYS:HA	1:B:41:ILE:HG13	17	21.54
(1,24)	1:A:64:ALA:H	1:A:39:LYS:HG3	2	21.54
(1,24)	1:A:64:ALA:H	1:B:39:LYS:HG3	2	21.54
(1,24)	1:B:64:ALA:H	1:A:39:LYS:HG3	2	21.54
(1,24)	1:B:64:ALA:H	1:B:39:LYS:HG3	2	21.54
(1,24)	1:A:64:ALA:H	1:A:39:LYS:HG3	16	21.54
(1,24)	1:A:64:ALA:H	1:B:39:LYS:HG3	16	21.54
(1,24)	1:B:64:ALA:H	1:A:39:LYS:HG3	16	21.54
(1,24)	1:B:64:ALA:H	1:B:39:LYS:HG3	16	21.54
(1,317)	1:A:64:ALA:H	1:A:39:LYS:HG2	1	21.52
(1,317)	1:A:64:ALA:H	1:B:39:LYS:HG2	1	21.52
(1,317)	1:B:64:ALA:H	1:A:39:LYS:HG2	1	21.52
(1,317)	1:B:64:ALA:H	1:B:39:LYS:HG2	1	21.52
(1,702)	1:A:66:LYS:HA	1:A:41:ILE:HG12	2	21.51
(1,702)	1:A:66:LYS:HA	1:B:41:ILE:HG12	2	21.51
(1,702)	1:B:66:LYS:HA	1:A:41:ILE:HG12	2	21.51
(1,702)	1:B:66:LYS:HA	1:B:41:ILE:HG12	2	21.51
(1,21)	1:A:64:ALA:H	1:A:39:LYS:HE2	8	21.51
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE2	8	21.51
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE3	8	21.51
(1,21)	1:B:64:ALA:H	1:A:39:LYS:HE2	8	21.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE2	8	21.51
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE3	8	21.51
(1,24)	1:A:64:ALA:H	1:A:39:LYS:HG3	12	21.48
(1,24)	1:A:64:ALA:H	1:B:39:LYS:HG3	12	21.48
(1,24)	1:B:64:ALA:H	1:A:39:LYS:HG3	12	21.48
(1,24)	1:B:64:ALA:H	1:B:39:LYS:HG3	12	21.48
(1,21)	1:A:64:ALA:H	1:A:39:LYS:HE2	3	21.45
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE2	3	21.45
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE3	3	21.45
(1,21)	1:B:64:ALA:H	1:A:39:LYS:HE2	3	21.45
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE2	3	21.45
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE3	3	21.45
(1,702)	1:A:66:LYS:HA	1:A:41:ILE:HG12	16	21.43
(1,702)	1:A:66:LYS:HA	1:B:41:ILE:HG12	16	21.43
(1,702)	1:B:66:LYS:HA	1:A:41:ILE:HG12	16	21.43
(1,702)	1:B:66:LYS:HA	1:B:41:ILE:HG12	16	21.43
(1,702)	1:A:66:LYS:HA	1:A:41:ILE:HG12	12	21.4
(1,702)	1:A:66:LYS:HA	1:B:41:ILE:HG12	12	21.4
(1,702)	1:B:66:LYS:HA	1:A:41:ILE:HG12	12	21.4
(1,702)	1:B:66:LYS:HA	1:B:41:ILE:HG12	12	21.4
(1,527)	1:A:39:LYS:HE2	1:A:66:LYS:H	20	21.4
(1,527)	1:A:39:LYS:HE2	1:B:66:LYS:H	20	21.4
(1,527)	1:B:39:LYS:HE2	1:A:66:LYS:H	20	21.4
(1,527)	1:B:39:LYS:HE2	1:B:66:LYS:H	20	21.4
(1,527)	1:B:39:LYS:HE3	1:A:66:LYS:H	20	21.4
(1,527)	1:B:39:LYS:HE3	1:B:66:LYS:H	20	21.4
(1,305)	1:A:39:LYS:HD2	1:A:66:LYS:H	13	21.37
(1,305)	1:A:39:LYS:HD2	1:B:66:LYS:H	13	21.37
(1,305)	1:B:39:LYS:HD2	1:A:66:LYS:H	13	21.37
(1,305)	1:B:39:LYS:HD2	1:B:66:LYS:H	13	21.37
(1,305)	1:B:39:LYS:HD3	1:A:66:LYS:H	13	21.37
(1,305)	1:B:39:LYS:HD3	1:B:66:LYS:H	13	21.37
(1,305)	1:A:39:LYS:HD2	1:A:66:LYS:H	3	21.35
(1,305)	1:A:39:LYS:HD2	1:B:66:LYS:H	3	21.35
(1,305)	1:B:39:LYS:HD2	1:A:66:LYS:H	3	21.35
(1,305)	1:B:39:LYS:HD2	1:B:66:LYS:H	3	21.35
(1,305)	1:B:39:LYS:HD3	1:A:66:LYS:H	3	21.35
(1,305)	1:B:39:LYS:HD3	1:B:66:LYS:H	3	21.35
(1,702)	1:A:66:LYS:HA	1:A:41:ILE:HG12	3	21.33
(1,702)	1:A:66:LYS:HA	1:B:41:ILE:HG12	3	21.33
(1,702)	1:B:66:LYS:HA	1:A:41:ILE:HG12	3	21.33
(1,702)	1:B:66:LYS:HA	1:B:41:ILE:HG12	3	21.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:A:64:ALA:H	1:A:39:LYS:HG3	14	21.32
(1,24)	1:A:64:ALA:H	1:B:39:LYS:HG3	14	21.32
(1,24)	1:B:64:ALA:H	1:A:39:LYS:HG3	14	21.32
(1,24)	1:B:64:ALA:H	1:B:39:LYS:HG3	14	21.32
(1,305)	1:A:39:LYS:HD2	1:A:66:LYS:H	18	21.3
(1,305)	1:A:39:LYS:HD2	1:B:66:LYS:H	18	21.3
(1,305)	1:B:39:LYS:HD2	1:A:66:LYS:H	18	21.3
(1,305)	1:B:39:LYS:HD2	1:B:66:LYS:H	18	21.3
(1,305)	1:B:39:LYS:HD3	1:A:66:LYS:H	18	21.3
(1,305)	1:B:39:LYS:HD3	1:B:66:LYS:H	18	21.3
(1,527)	1:A:39:LYS:HE2	1:A:66:LYS:H	17	21.29
(1,527)	1:A:39:LYS:HE2	1:B:66:LYS:H	17	21.29
(1,527)	1:B:39:LYS:HE2	1:A:66:LYS:H	17	21.29
(1,527)	1:B:39:LYS:HE2	1:B:66:LYS:H	17	21.29
(1,527)	1:B:39:LYS:HE3	1:A:66:LYS:H	17	21.29
(1,527)	1:B:39:LYS:HE3	1:B:66:LYS:H	17	21.29
(1,527)	1:A:39:LYS:HE2	1:A:66:LYS:H	16	21.28
(1,527)	1:A:39:LYS:HE2	1:B:66:LYS:H	16	21.28
(1,527)	1:B:39:LYS:HE2	1:A:66:LYS:H	16	21.28
(1,527)	1:B:39:LYS:HE2	1:B:66:LYS:H	16	21.28
(1,527)	1:B:39:LYS:HE3	1:A:66:LYS:H	16	21.28
(1,527)	1:B:39:LYS:HE3	1:B:66:LYS:H	16	21.28
(1,786)	1:A:39:LYS:HE2	1:A:65:LEU:HG	5	21.26
(1,786)	1:A:39:LYS:HE2	1:B:65:LEU:HG	5	21.26
(1,786)	1:B:39:LYS:HE2	1:A:65:LEU:HG	5	21.26
(1,786)	1:B:39:LYS:HE2	1:B:65:LEU:HG	5	21.26
(1,786)	1:B:39:LYS:HE3	1:A:65:LEU:HG	5	21.26
(1,786)	1:B:39:LYS:HE3	1:B:65:LEU:HG	5	21.26
(1,792)	1:A:69:SER:HG	1:A:44:LYS:HE2	10	21.25
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE2	10	21.25
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE3	10	21.25
(1,792)	1:B:69:SER:HG	1:A:44:LYS:HE2	10	21.25
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE2	10	21.25
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE3	10	21.25
(1,24)	1:A:64:ALA:H	1:A:39:LYS:HG3	15	21.24
(1,24)	1:A:64:ALA:H	1:B:39:LYS:HG3	15	21.24
(1,24)	1:B:64:ALA:H	1:A:39:LYS:HG3	15	21.24
(1,24)	1:B:64:ALA:H	1:B:39:LYS:HG3	15	21.24
(1,21)	1:A:64:ALA:H	1:A:39:LYS:HE2	4	21.24
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE2	4	21.24
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE3	4	21.24
(1,21)	1:B:64:ALA:H	1:A:39:LYS:HE2	4	21.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE2	4	21.24
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE3	4	21.24
(1,702)	1:A:66:LYS:HA	1:A:41:ILE:HG12	1	21.22
(1,702)	1:A:66:LYS:HA	1:B:41:ILE:HG12	1	21.22
(1,702)	1:B:66:LYS:HA	1:A:41:ILE:HG12	1	21.22
(1,702)	1:B:66:LYS:HA	1:B:41:ILE:HG12	1	21.22
(1,786)	1:A:39:LYS:HE2	1:A:65:LEU:HG	16	21.21
(1,786)	1:A:39:LYS:HE2	1:B:65:LEU:HG	16	21.21
(1,786)	1:B:39:LYS:HE2	1:A:65:LEU:HG	16	21.21
(1,786)	1:B:39:LYS:HE2	1:B:65:LEU:HG	16	21.21
(1,786)	1:B:39:LYS:HE3	1:A:65:LEU:HG	16	21.21
(1,786)	1:B:39:LYS:HE3	1:B:65:LEU:HG	16	21.21
(1,527)	1:A:39:LYS:HE2	1:A:66:LYS:H	2	21.2
(1,527)	1:A:39:LYS:HE2	1:B:66:LYS:H	2	21.2
(1,527)	1:B:39:LYS:HE2	1:A:66:LYS:H	2	21.2
(1,527)	1:B:39:LYS:HE2	1:B:66:LYS:H	2	21.2
(1,527)	1:B:39:LYS:HE3	1:A:66:LYS:H	2	21.2
(1,527)	1:B:39:LYS:HE3	1:B:66:LYS:H	2	21.2
(1,527)	1:A:39:LYS:HE2	1:A:66:LYS:H	14	21.2
(1,527)	1:A:39:LYS:HE2	1:B:66:LYS:H	14	21.2
(1,527)	1:B:39:LYS:HE2	1:A:66:LYS:H	14	21.2
(1,527)	1:B:39:LYS:HE2	1:B:66:LYS:H	14	21.2
(1,527)	1:B:39:LYS:HE3	1:A:66:LYS:H	14	21.2
(1,527)	1:B:39:LYS:HE3	1:B:66:LYS:H	14	21.2
(1,21)	1:A:64:ALA:H	1:A:39:LYS:HE2	17	21.2
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE2	17	21.2
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE3	17	21.2
(1,21)	1:B:64:ALA:H	1:A:39:LYS:HE2	17	21.2
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE2	17	21.2
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE3	17	21.2
(1,702)	1:A:66:LYS:HA	1:A:41:ILE:HG12	5	21.19
(1,702)	1:A:66:LYS:HA	1:B:41:ILE:HG12	5	21.19
(1,702)	1:B:66:LYS:HA	1:A:41:ILE:HG12	5	21.19
(1,702)	1:B:66:LYS:HA	1:B:41:ILE:HG12	5	21.19
(1,21)	1:A:64:ALA:H	1:A:39:LYS:HE2	2	21.18
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE2	2	21.18
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE3	2	21.18
(1,21)	1:B:64:ALA:H	1:A:39:LYS:HE2	2	21.18
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE2	2	21.18
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE3	2	21.18
(1,702)	1:A:66:LYS:HA	1:A:41:ILE:HG12	6	21.16
(1,702)	1:A:66:LYS:HA	1:B:41:ILE:HG12	6	21.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:B:66:LYS:HA	1:A:41:ILE:HG12	6	21.16
(1,702)	1:B:66:LYS:HA	1:B:41:ILE:HG12	6	21.16
(1,24)	1:A:64:ALA:H	1:A:39:LYS:HG3	11	21.16
(1,24)	1:A:64:ALA:H	1:B:39:LYS:HG3	11	21.16
(1,24)	1:B:64:ALA:H	1:A:39:LYS:HG3	11	21.16
(1,24)	1:B:64:ALA:H	1:B:39:LYS:HG3	11	21.16
(1,786)	1:A:39:LYS:HE2	1:A:65:LEU:HG	2	21.15
(1,786)	1:A:39:LYS:HE2	1:B:65:LEU:HG	2	21.15
(1,786)	1:B:39:LYS:HE2	1:A:65:LEU:HG	2	21.15
(1,786)	1:B:39:LYS:HE2	1:B:65:LEU:HG	2	21.15
(1,786)	1:B:39:LYS:HE3	1:A:65:LEU:HG	2	21.15
(1,786)	1:B:39:LYS:HE3	1:B:65:LEU:HG	2	21.15
(1,21)	1:A:64:ALA:H	1:A:39:LYS:HE2	5	21.15
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE2	5	21.15
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE3	5	21.15
(1,21)	1:B:64:ALA:H	1:A:39:LYS:HE2	5	21.15
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE2	5	21.15
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE3	5	21.15
(1,24)	1:A:64:ALA:H	1:A:39:LYS:HG3	6	21.14
(1,24)	1:A:64:ALA:H	1:B:39:LYS:HG3	6	21.14
(1,24)	1:B:64:ALA:H	1:A:39:LYS:HG3	6	21.14
(1,24)	1:B:64:ALA:H	1:B:39:LYS:HG3	6	21.14
(1,21)	1:A:64:ALA:H	1:A:39:LYS:HE2	9	21.14
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE2	9	21.14
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE3	9	21.14
(1,21)	1:B:64:ALA:H	1:A:39:LYS:HE2	9	21.14
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE2	9	21.14
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE3	9	21.14
(1,693)	1:A:41:ILE:HG12	1:A:67:LYS:HA	19	21.12
(1,693)	1:A:41:ILE:HG12	1:B:67:LYS:HA	19	21.12
(1,693)	1:B:41:ILE:HG12	1:A:67:LYS:HA	19	21.12
(1,693)	1:B:41:ILE:HG12	1:B:67:LYS:HA	19	21.12
(1,21)	1:A:64:ALA:H	1:A:39:LYS:HE2	15	21.12
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE2	15	21.12
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE3	15	21.12
(1,21)	1:B:64:ALA:H	1:A:39:LYS:HE2	15	21.12
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE2	15	21.12
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE3	15	21.12
(1,702)	1:A:66:LYS:HA	1:A:41:ILE:HG12	11	21.11
(1,702)	1:A:66:LYS:HA	1:B:41:ILE:HG12	11	21.11
(1,702)	1:B:66:LYS:HA	1:A:41:ILE:HG12	11	21.11
(1,702)	1:B:66:LYS:HA	1:B:41:ILE:HG12	11	21.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:A:39:LYS:HD2	1:A:66:LYS:H	4	21.11
(1,305)	1:A:39:LYS:HD2	1:B:66:LYS:H	4	21.11
(1,305)	1:B:39:LYS:HD2	1:A:66:LYS:H	4	21.11
(1,305)	1:B:39:LYS:HD2	1:B:66:LYS:H	4	21.11
(1,305)	1:B:39:LYS:HD3	1:A:66:LYS:H	4	21.11
(1,305)	1:B:39:LYS:HD3	1:B:66:LYS:H	4	21.11
(1,21)	1:A:64:ALA:H	1:A:39:LYS:HE2	16	21.09
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE2	16	21.09
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE3	16	21.09
(1,21)	1:B:64:ALA:H	1:A:39:LYS:HE2	16	21.09
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE2	16	21.09
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE3	16	21.09
(1,702)	1:A:66:LYS:HA	1:A:41:ILE:HG12	14	21.07
(1,702)	1:A:66:LYS:HA	1:B:41:ILE:HG12	14	21.07
(1,702)	1:B:66:LYS:HA	1:A:41:ILE:HG12	14	21.07
(1,702)	1:B:66:LYS:HA	1:B:41:ILE:HG12	14	21.07
(1,305)	1:A:39:LYS:HD2	1:A:66:LYS:H	14	21.07
(1,305)	1:A:39:LYS:HD2	1:B:66:LYS:H	14	21.07
(1,305)	1:B:39:LYS:HD2	1:A:66:LYS:H	14	21.07
(1,305)	1:B:39:LYS:HD2	1:B:66:LYS:H	14	21.07
(1,305)	1:B:39:LYS:HD3	1:A:66:LYS:H	14	21.07
(1,305)	1:B:39:LYS:HD3	1:B:66:LYS:H	14	21.07
(1,21)	1:A:64:ALA:H	1:A:39:LYS:HE2	20	21.06
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE2	20	21.06
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE3	20	21.06
(1,21)	1:B:64:ALA:H	1:A:39:LYS:HE2	20	21.06
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE2	20	21.06
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE3	20	21.06
(1,527)	1:A:39:LYS:HE2	1:A:66:LYS:H	5	21.04
(1,527)	1:A:39:LYS:HE2	1:B:66:LYS:H	5	21.04
(1,527)	1:B:39:LYS:HE2	1:A:66:LYS:H	5	21.04
(1,527)	1:B:39:LYS:HE2	1:B:66:LYS:H	5	21.04
(1,527)	1:B:39:LYS:HE3	1:A:66:LYS:H	5	21.04
(1,527)	1:B:39:LYS:HE3	1:B:66:LYS:H	5	21.04
(1,792)	1:A:69:SER:HG	1:A:44:LYS:HE2	8	21.03
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE2	8	21.03
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE3	8	21.03
(1,792)	1:B:69:SER:HG	1:A:44:LYS:HE2	8	21.03
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE2	8	21.03
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE3	8	21.03
(1,305)	1:A:39:LYS:HD2	1:A:66:LYS:H	17	21.02
(1,305)	1:A:39:LYS:HD2	1:B:66:LYS:H	17	21.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:B:39:LYS:HD2	1:A:66:LYS:H	17	21.02
(1,305)	1:B:39:LYS:HD2	1:B:66:LYS:H	17	21.02
(1,305)	1:B:39:LYS:HD3	1:A:66:LYS:H	17	21.02
(1,305)	1:B:39:LYS:HD3	1:B:66:LYS:H	17	21.02
(1,527)	1:A:39:LYS:HE2	1:A:66:LYS:H	15	21.01
(1,527)	1:A:39:LYS:HE2	1:B:66:LYS:H	15	21.01
(1,527)	1:B:39:LYS:HE2	1:A:66:LYS:H	15	21.01
(1,527)	1:B:39:LYS:HE2	1:B:66:LYS:H	15	21.01
(1,527)	1:B:39:LYS:HE3	1:A:66:LYS:H	15	21.01
(1,527)	1:B:39:LYS:HE3	1:B:66:LYS:H	15	21.01
(1,527)	1:A:39:LYS:HE2	1:A:66:LYS:H	12	21.0
(1,527)	1:A:39:LYS:HE2	1:B:66:LYS:H	12	21.0
(1,527)	1:B:39:LYS:HE2	1:A:66:LYS:H	12	21.0
(1,527)	1:B:39:LYS:HE2	1:B:66:LYS:H	12	21.0
(1,527)	1:B:39:LYS:HE3	1:A:66:LYS:H	12	21.0
(1,527)	1:B:39:LYS:HE3	1:B:66:LYS:H	12	21.0
(1,792)	1:A:69:SER:HG	1:A:44:LYS:HE2	14	20.99
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE2	14	20.99
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE3	14	20.99
(1,792)	1:B:69:SER:HG	1:A:44:LYS:HE2	14	20.99
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE2	14	20.99
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE3	14	20.99
(1,786)	1:A:39:LYS:HE2	1:A:65:LEU:HG	10	20.99
(1,786)	1:A:39:LYS:HE2	1:B:65:LEU:HG	10	20.99
(1,786)	1:B:39:LYS:HE2	1:A:65:LEU:HG	10	20.99
(1,786)	1:B:39:LYS:HE2	1:B:65:LEU:HG	10	20.99
(1,786)	1:B:39:LYS:HE3	1:A:65:LEU:HG	10	20.99
(1,786)	1:B:39:LYS:HE3	1:B:65:LEU:HG	10	20.99
(1,693)	1:A:41:ILE:HG12	1:A:67:LYS:HA	13	20.99
(1,693)	1:A:41:ILE:HG12	1:B:67:LYS:HA	13	20.99
(1,693)	1:B:41:ILE:HG12	1:A:67:LYS:HA	13	20.99
(1,693)	1:B:41:ILE:HG12	1:B:67:LYS:HA	13	20.99
(1,24)	1:A:64:ALA:H	1:A:39:LYS:HG3	10	20.99
(1,24)	1:A:64:ALA:H	1:B:39:LYS:HG3	10	20.99
(1,24)	1:B:64:ALA:H	1:A:39:LYS:HG3	10	20.99
(1,24)	1:B:64:ALA:H	1:B:39:LYS:HG3	10	20.99
(1,24)	1:A:64:ALA:H	1:A:39:LYS:HG3	7	20.98
(1,24)	1:A:64:ALA:H	1:B:39:LYS:HG3	7	20.98
(1,24)	1:B:64:ALA:H	1:A:39:LYS:HG3	7	20.98
(1,24)	1:B:64:ALA:H	1:B:39:LYS:HG3	7	20.98
(1,547)	1:A:65:LEU:HA	1:A:43:GLU:HG2	8	20.96
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG2	8	20.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG3	8	20.96
(1,547)	1:B:65:LEU:HA	1:A:43:GLU:HG2	8	20.96
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG2	8	20.96
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG3	8	20.96
(1,786)	1:A:39:LYS:HE2	1:A:65:LEU:HG	18	20.95
(1,786)	1:A:39:LYS:HE2	1:B:65:LEU:HG	18	20.95
(1,786)	1:B:39:LYS:HE2	1:A:65:LEU:HG	18	20.95
(1,786)	1:B:39:LYS:HE2	1:B:65:LEU:HG	18	20.95
(1,786)	1:B:39:LYS:HE3	1:A:65:LEU:HG	18	20.95
(1,786)	1:B:39:LYS:HE3	1:B:65:LEU:HG	18	20.95
(1,702)	1:A:66:LYS:HA	1:A:41:ILE:HG12	20	20.95
(1,702)	1:A:66:LYS:HA	1:B:41:ILE:HG12	20	20.95
(1,702)	1:B:66:LYS:HA	1:A:41:ILE:HG12	20	20.95
(1,702)	1:B:66:LYS:HA	1:B:41:ILE:HG12	20	20.95
(1,693)	1:A:41:ILE:HG12	1:A:67:LYS:HA	4	20.95
(1,693)	1:A:41:ILE:HG12	1:B:67:LYS:HA	4	20.95
(1,693)	1:B:41:ILE:HG12	1:A:67:LYS:HA	4	20.95
(1,693)	1:B:41:ILE:HG12	1:B:67:LYS:HA	4	20.95
(1,305)	1:A:39:LYS:HD2	1:A:66:LYS:H	16	20.92
(1,305)	1:A:39:LYS:HD2	1:B:66:LYS:H	16	20.92
(1,305)	1:B:39:LYS:HD2	1:A:66:LYS:H	16	20.92
(1,305)	1:B:39:LYS:HD2	1:B:66:LYS:H	16	20.92
(1,305)	1:B:39:LYS:HD3	1:A:66:LYS:H	16	20.92
(1,305)	1:B:39:LYS:HD3	1:B:66:LYS:H	16	20.92
(1,702)	1:A:66:LYS:HA	1:A:41:ILE:HG12	18	20.91
(1,702)	1:A:66:LYS:HA	1:B:41:ILE:HG12	18	20.91
(1,702)	1:B:66:LYS:HA	1:A:41:ILE:HG12	18	20.91
(1,702)	1:B:66:LYS:HA	1:B:41:ILE:HG12	18	20.91
(1,305)	1:A:39:LYS:HD2	1:A:66:LYS:H	2	20.89
(1,305)	1:A:39:LYS:HD2	1:B:66:LYS:H	2	20.89
(1,305)	1:B:39:LYS:HD2	1:A:66:LYS:H	2	20.89
(1,305)	1:B:39:LYS:HD2	1:B:66:LYS:H	2	20.89
(1,305)	1:B:39:LYS:HD3	1:A:66:LYS:H	2	20.89
(1,305)	1:B:39:LYS:HD3	1:B:66:LYS:H	2	20.89
(1,305)	1:A:39:LYS:HD2	1:A:66:LYS:H	20	20.88
(1,305)	1:A:39:LYS:HD2	1:B:66:LYS:H	20	20.88
(1,305)	1:B:39:LYS:HD2	1:A:66:LYS:H	20	20.88
(1,305)	1:B:39:LYS:HD2	1:B:66:LYS:H	20	20.88
(1,305)	1:B:39:LYS:HD3	1:A:66:LYS:H	20	20.88
(1,305)	1:B:39:LYS:HD3	1:B:66:LYS:H	20	20.88
(1,786)	1:A:39:LYS:HE2	1:A:65:LEU:HG	7	20.87
(1,786)	1:A:39:LYS:HE2	1:B:65:LEU:HG	7	20.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,786)	1:B:39:LYS:HE2	1:A:65:LEU:HG	7	20.87
(1,786)	1:B:39:LYS:HE2	1:B:65:LEU:HG	7	20.87
(1,786)	1:B:39:LYS:HE3	1:A:65:LEU:HG	7	20.87
(1,786)	1:B:39:LYS:HE3	1:B:65:LEU:HG	7	20.87
(1,527)	1:A:39:LYS:HE2	1:A:66:LYS:H	18	20.87
(1,527)	1:A:39:LYS:HE2	1:B:66:LYS:H	18	20.87
(1,527)	1:B:39:LYS:HE2	1:A:66:LYS:H	18	20.87
(1,527)	1:B:39:LYS:HE2	1:B:66:LYS:H	18	20.87
(1,527)	1:B:39:LYS:HE3	1:A:66:LYS:H	18	20.87
(1,527)	1:B:39:LYS:HE3	1:B:66:LYS:H	18	20.87
(1,21)	1:A:64:ALA:H	1:A:39:LYS:HE2	12	20.87
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE2	12	20.87
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE3	12	20.87
(1,21)	1:B:64:ALA:H	1:A:39:LYS:HE2	12	20.87
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE2	12	20.87
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE3	12	20.87
(1,32)	1:A:66:LYS:H	1:A:41:ILE:HG12	4	20.86
(1,32)	1:A:66:LYS:H	1:B:41:ILE:HG12	4	20.86
(1,32)	1:B:66:LYS:H	1:A:41:ILE:HG12	4	20.86
(1,32)	1:B:66:LYS:H	1:B:41:ILE:HG12	4	20.86
(1,301)	1:A:64:ALA:H	1:A:39:LYS:HD2	19	20.86
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD2	19	20.86
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD3	19	20.86
(1,301)	1:B:64:ALA:H	1:A:39:LYS:HD2	19	20.86
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD2	19	20.86
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD3	19	20.86
(1,792)	1:A:69:SER:HG	1:A:44:LYS:HE2	15	20.85
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE2	15	20.85
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE3	15	20.85
(1,792)	1:B:69:SER:HG	1:A:44:LYS:HE2	15	20.85
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE2	15	20.85
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE3	15	20.85
(1,32)	1:A:66:LYS:H	1:A:41:ILE:HG12	13	20.85
(1,32)	1:A:66:LYS:H	1:B:41:ILE:HG12	13	20.85
(1,32)	1:B:66:LYS:H	1:A:41:ILE:HG12	13	20.85
(1,32)	1:B:66:LYS:H	1:B:41:ILE:HG12	13	20.85
(1,305)	1:A:39:LYS:HD2	1:A:66:LYS:H	5	20.85
(1,305)	1:A:39:LYS:HD2	1:B:66:LYS:H	5	20.85
(1,305)	1:B:39:LYS:HD2	1:A:66:LYS:H	5	20.85
(1,305)	1:B:39:LYS:HD2	1:B:66:LYS:H	5	20.85
(1,305)	1:B:39:LYS:HD3	1:A:66:LYS:H	5	20.85
(1,305)	1:B:39:LYS:HD3	1:B:66:LYS:H	5	20.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:A:66:LYS:HA	1:A:41:ILE:HG12	10	20.84
(1,702)	1:A:66:LYS:HA	1:B:41:ILE:HG12	10	20.84
(1,702)	1:B:66:LYS:HA	1:A:41:ILE:HG12	10	20.84
(1,702)	1:B:66:LYS:HA	1:B:41:ILE:HG12	10	20.84
(1,21)	1:A:64:ALA:H	1:A:39:LYS:HE2	14	20.83
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE2	14	20.83
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE3	14	20.83
(1,21)	1:B:64:ALA:H	1:A:39:LYS:HE2	14	20.83
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE2	14	20.83
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE3	14	20.83
(1,786)	1:A:39:LYS:HE2	1:A:65:LEU:HG	4	20.82
(1,786)	1:A:39:LYS:HE2	1:B:65:LEU:HG	4	20.82
(1,786)	1:B:39:LYS:HE2	1:A:65:LEU:HG	4	20.82
(1,786)	1:B:39:LYS:HE2	1:B:65:LEU:HG	4	20.82
(1,786)	1:B:39:LYS:HE3	1:A:65:LEU:HG	4	20.82
(1,786)	1:B:39:LYS:HE3	1:B:65:LEU:HG	4	20.82
(1,465)	1:A:61:ILE:HA	1:A:36:LYS:HE2	9	20.82
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE2	9	20.82
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE3	9	20.82
(1,465)	1:B:61:ILE:HA	1:A:36:LYS:HE2	9	20.82
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE2	9	20.82
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE3	9	20.82
(1,547)	1:A:65:LEU:HA	1:A:43:GLU:HG2	9	20.81
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG2	9	20.81
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG3	9	20.81
(1,547)	1:B:65:LEU:HA	1:A:43:GLU:HG2	9	20.81
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG2	9	20.81
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG3	9	20.81
(1,702)	1:A:66:LYS:HA	1:A:41:ILE:HG12	7	20.78
(1,702)	1:A:66:LYS:HA	1:B:41:ILE:HG12	7	20.78
(1,702)	1:B:66:LYS:HA	1:A:41:ILE:HG12	7	20.78
(1,702)	1:B:66:LYS:HA	1:B:41:ILE:HG12	7	20.78
(1,786)	1:A:39:LYS:HE2	1:A:65:LEU:HG	11	20.77
(1,786)	1:A:39:LYS:HE2	1:B:65:LEU:HG	11	20.77
(1,786)	1:B:39:LYS:HE2	1:A:65:LEU:HG	11	20.77
(1,786)	1:B:39:LYS:HE2	1:B:65:LEU:HG	11	20.77
(1,786)	1:B:39:LYS:HE3	1:A:65:LEU:HG	11	20.77
(1,786)	1:B:39:LYS:HE3	1:B:65:LEU:HG	11	20.77
(1,32)	1:A:66:LYS:H	1:A:41:ILE:HG12	19	20.76
(1,32)	1:A:66:LYS:H	1:B:41:ILE:HG12	19	20.76
(1,32)	1:B:66:LYS:H	1:A:41:ILE:HG12	19	20.76
(1,32)	1:B:66:LYS:H	1:B:41:ILE:HG12	19	20.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:A:64:ALA:H	1:A:39:LYS:HE2	18	20.76
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE2	18	20.76
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE3	18	20.76
(1,21)	1:B:64:ALA:H	1:A:39:LYS:HE2	18	20.76
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE2	18	20.76
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE3	18	20.76
(1,565)	1:A:66:LYS:HA	1:A:44:LYS:HE2	14	20.75
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE2	14	20.75
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE3	14	20.75
(1,565)	1:B:66:LYS:HA	1:A:44:LYS:HE2	14	20.75
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE2	14	20.75
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE3	14	20.75
(1,305)	1:A:39:LYS:HD2	1:A:66:LYS:H	12	20.75
(1,305)	1:A:39:LYS:HD2	1:B:66:LYS:H	12	20.75
(1,305)	1:B:39:LYS:HD2	1:A:66:LYS:H	12	20.75
(1,305)	1:B:39:LYS:HD2	1:B:66:LYS:H	12	20.75
(1,305)	1:B:39:LYS:HD3	1:A:66:LYS:H	12	20.75
(1,305)	1:B:39:LYS:HD3	1:B:66:LYS:H	12	20.75
(1,792)	1:A:69:SER:HG	1:A:44:LYS:HE2	9	20.73
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE2	9	20.73
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE3	9	20.73
(1,792)	1:B:69:SER:HG	1:A:44:LYS:HE2	9	20.73
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE2	9	20.73
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE3	9	20.73
(1,302)	1:A:39:LYS:HD2	1:A:67:LYS:H	19	20.73
(1,302)	1:A:39:LYS:HD2	1:B:67:LYS:H	19	20.73
(1,302)	1:B:39:LYS:HD2	1:A:67:LYS:H	19	20.73
(1,302)	1:B:39:LYS:HD2	1:B:67:LYS:H	19	20.73
(1,302)	1:B:39:LYS:HD3	1:A:67:LYS:H	19	20.73
(1,302)	1:B:39:LYS:HD3	1:B:67:LYS:H	19	20.73
(1,527)	1:A:39:LYS:HE2	1:A:66:LYS:H	11	20.72
(1,527)	1:A:39:LYS:HE2	1:B:66:LYS:H	11	20.72
(1,527)	1:B:39:LYS:HE2	1:A:66:LYS:H	11	20.72
(1,527)	1:B:39:LYS:HE2	1:B:66:LYS:H	11	20.72
(1,527)	1:B:39:LYS:HE3	1:A:66:LYS:H	11	20.72
(1,527)	1:B:39:LYS:HE3	1:B:66:LYS:H	11	20.72
(1,465)	1:A:61:ILE:HA	1:A:36:LYS:HE2	6	20.72
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE2	6	20.72
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE3	6	20.72
(1,465)	1:B:61:ILE:HA	1:A:36:LYS:HE2	6	20.72
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE2	6	20.72
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE3	6	20.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,32)	1:A:66:LYS:H	1:A:41:ILE:HG12	8	20.72
(1,32)	1:A:66:LYS:H	1:B:41:ILE:HG12	8	20.72
(1,32)	1:B:66:LYS:H	1:A:41:ILE:HG12	8	20.72
(1,32)	1:B:66:LYS:H	1:B:41:ILE:HG12	8	20.72
(1,779)	1:A:64:ALA:HB1	1:A:39:LYS:HG2	19	20.7
(1,779)	1:A:64:ALA:HB1	1:B:39:LYS:HG2	19	20.7
(1,779)	1:A:64:ALA:HB2	1:A:39:LYS:HG2	19	20.7
(1,779)	1:A:64:ALA:HB2	1:B:39:LYS:HG2	19	20.7
(1,779)	1:A:64:ALA:HB3	1:A:39:LYS:HG2	19	20.7
(1,779)	1:A:64:ALA:HB3	1:B:39:LYS:HG2	19	20.7
(1,779)	1:B:64:ALA:HB1	1:A:39:LYS:HG2	19	20.7
(1,779)	1:B:64:ALA:HB1	1:B:39:LYS:HG2	19	20.7
(1,779)	1:B:64:ALA:HB2	1:A:39:LYS:HG2	19	20.7
(1,779)	1:B:64:ALA:HB2	1:B:39:LYS:HG2	19	20.7
(1,779)	1:B:64:ALA:HB3	1:A:39:LYS:HG2	19	20.7
(1,779)	1:B:64:ALA:HB3	1:B:39:LYS:HG2	19	20.7
(1,565)	1:A:66:LYS:HA	1:A:44:LYS:HE2	10	20.68
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE2	10	20.68
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE3	10	20.68
(1,565)	1:B:66:LYS:HA	1:A:44:LYS:HE2	10	20.68
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE2	10	20.68
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE3	10	20.68
(1,786)	1:A:39:LYS:HE2	1:A:65:LEU:HG	17	20.65
(1,786)	1:A:39:LYS:HE2	1:B:65:LEU:HG	17	20.65
(1,786)	1:B:39:LYS:HE2	1:A:65:LEU:HG	17	20.65
(1,786)	1:B:39:LYS:HE2	1:B:65:LEU:HG	17	20.65
(1,786)	1:B:39:LYS:HE3	1:A:65:LEU:HG	17	20.65
(1,786)	1:B:39:LYS:HE3	1:B:65:LEU:HG	17	20.65
(1,779)	1:A:64:ALA:HB1	1:A:39:LYS:HG2	8	20.64
(1,779)	1:A:64:ALA:HB1	1:B:39:LYS:HG2	8	20.64
(1,779)	1:A:64:ALA:HB2	1:A:39:LYS:HG2	8	20.64
(1,779)	1:A:64:ALA:HB2	1:B:39:LYS:HG2	8	20.64
(1,779)	1:A:64:ALA:HB3	1:A:39:LYS:HG2	8	20.64
(1,779)	1:A:64:ALA:HB3	1:B:39:LYS:HG2	8	20.64
(1,779)	1:B:64:ALA:HB1	1:A:39:LYS:HG2	8	20.64
(1,779)	1:B:64:ALA:HB1	1:B:39:LYS:HG2	8	20.64
(1,779)	1:B:64:ALA:HB2	1:A:39:LYS:HG2	8	20.64
(1,779)	1:B:64:ALA:HB2	1:B:39:LYS:HG2	8	20.64
(1,779)	1:B:64:ALA:HB3	1:A:39:LYS:HG2	8	20.64
(1,779)	1:B:64:ALA:HB3	1:B:39:LYS:HG2	8	20.64
(1,693)	1:A:41:ILE:HG12	1:A:67:LYS:HA	8	20.64
(1,693)	1:A:41:ILE:HG12	1:B:67:LYS:HA	8	20.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,693)	1:B:41:ILE:HG12	1:A:67:LYS:HA	8	20.64
(1,693)	1:B:41:ILE:HG12	1:B:67:LYS:HA	8	20.64
(1,32)	1:A:66:LYS:H	1:A:41:ILE:HG12	9	20.64
(1,32)	1:A:66:LYS:H	1:B:41:ILE:HG12	9	20.64
(1,32)	1:B:66:LYS:H	1:A:41:ILE:HG12	9	20.64
(1,32)	1:B:66:LYS:H	1:B:41:ILE:HG12	9	20.64
(1,786)	1:A:39:LYS:HE2	1:A:65:LEU:HG	1	20.63
(1,786)	1:A:39:LYS:HE2	1:B:65:LEU:HG	1	20.63
(1,786)	1:B:39:LYS:HE2	1:A:65:LEU:HG	1	20.63
(1,786)	1:B:39:LYS:HE2	1:B:65:LEU:HG	1	20.63
(1,786)	1:B:39:LYS:HE3	1:A:65:LEU:HG	1	20.63
(1,786)	1:B:39:LYS:HE3	1:B:65:LEU:HG	1	20.63
(1,693)	1:A:41:ILE:HG12	1:A:67:LYS:HA	12	20.63
(1,693)	1:A:41:ILE:HG12	1:B:67:LYS:HA	12	20.63
(1,693)	1:B:41:ILE:HG12	1:A:67:LYS:HA	12	20.63
(1,693)	1:B:41:ILE:HG12	1:B:67:LYS:HA	12	20.63
(1,547)	1:A:65:LEU:HA	1:A:43:GLU:HG2	3	20.63
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG2	3	20.63
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG3	3	20.63
(1,547)	1:B:65:LEU:HA	1:A:43:GLU:HG2	3	20.63
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG2	3	20.63
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG3	3	20.63
(1,693)	1:A:41:ILE:HG12	1:A:67:LYS:HA	2	20.61
(1,693)	1:A:41:ILE:HG12	1:B:67:LYS:HA	2	20.61
(1,693)	1:B:41:ILE:HG12	1:A:67:LYS:HA	2	20.61
(1,693)	1:B:41:ILE:HG12	1:B:67:LYS:HA	2	20.61
(1,565)	1:A:66:LYS:HA	1:A:44:LYS:HE2	8	20.6
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE2	8	20.6
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE3	8	20.6
(1,565)	1:B:66:LYS:HA	1:A:44:LYS:HE2	8	20.6
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE2	8	20.6
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE3	8	20.6
(1,21)	1:A:64:ALA:H	1:A:39:LYS:HE2	10	20.6
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE2	10	20.6
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE3	10	20.6
(1,21)	1:B:64:ALA:H	1:A:39:LYS:HE2	10	20.6
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE2	10	20.6
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE3	10	20.6
(1,547)	1:A:65:LEU:HA	1:A:43:GLU:HG2	19	20.59
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG2	19	20.59
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG3	19	20.59
(1,547)	1:B:65:LEU:HA	1:A:43:GLU:HG2	19	20.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG2	19	20.59
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG3	19	20.59
(1,547)	1:A:65:LEU:HA	1:A:43:GLU:HG2	4	20.57
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG2	4	20.57
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG3	4	20.57
(1,547)	1:B:65:LEU:HA	1:A:43:GLU:HG2	4	20.57
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG2	4	20.57
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG3	4	20.57
(1,547)	1:A:65:LEU:HA	1:A:43:GLU:HG2	17	20.55
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG2	17	20.55
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG3	17	20.55
(1,547)	1:B:65:LEU:HA	1:A:43:GLU:HG2	17	20.55
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG2	17	20.55
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG3	17	20.55
(1,32)	1:A:66:LYS:H	1:A:41:ILE:HG12	2	20.55
(1,32)	1:A:66:LYS:H	1:B:41:ILE:HG12	2	20.55
(1,32)	1:B:66:LYS:H	1:A:41:ILE:HG12	2	20.55
(1,32)	1:B:66:LYS:H	1:B:41:ILE:HG12	2	20.55
(1,21)	1:A:64:ALA:H	1:A:39:LYS:HE2	11	20.55
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE2	11	20.55
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE3	11	20.55
(1,21)	1:B:64:ALA:H	1:A:39:LYS:HE2	11	20.55
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE2	11	20.55
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE3	11	20.55
(1,301)	1:A:64:ALA:H	1:A:39:LYS:HD2	9	20.52
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD2	9	20.52
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD3	9	20.52
(1,301)	1:B:64:ALA:H	1:A:39:LYS:HD2	9	20.52
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD2	9	20.52
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD3	9	20.52
(1,24)	1:A:64:ALA:H	1:A:39:LYS:HG3	1	20.52
(1,24)	1:A:64:ALA:H	1:B:39:LYS:HG3	1	20.52
(1,24)	1:B:64:ALA:H	1:A:39:LYS:HG3	1	20.52
(1,24)	1:B:64:ALA:H	1:B:39:LYS:HG3	1	20.52
(1,45)	1:A:69:SER:H	1:A:44:LYS:HG3	12	20.51
(1,45)	1:A:69:SER:H	1:B:44:LYS:HG3	12	20.51
(1,45)	1:B:69:SER:H	1:A:44:LYS:HG3	12	20.51
(1,45)	1:B:69:SER:H	1:B:44:LYS:HG3	12	20.51
(1,305)	1:A:39:LYS:HD2	1:A:66:LYS:H	11	20.49
(1,305)	1:A:39:LYS:HD2	1:B:66:LYS:H	11	20.49
(1,305)	1:B:39:LYS:HD2	1:A:66:LYS:H	11	20.49
(1,305)	1:B:39:LYS:HD2	1:B:66:LYS:H	11	20.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:B:39:LYS:HD3	1:A:66:LYS:H	11	20.49
(1,305)	1:B:39:LYS:HD3	1:B:66:LYS:H	11	20.49
(1,527)	1:A:39:LYS:HE2	1:A:66:LYS:H	7	20.48
(1,527)	1:A:39:LYS:HE2	1:B:66:LYS:H	7	20.48
(1,527)	1:B:39:LYS:HE2	1:A:66:LYS:H	7	20.48
(1,527)	1:B:39:LYS:HE2	1:B:66:LYS:H	7	20.48
(1,527)	1:B:39:LYS:HE3	1:A:66:LYS:H	7	20.48
(1,527)	1:B:39:LYS:HE3	1:B:66:LYS:H	7	20.48
(1,702)	1:A:66:LYS:HA	1:A:41:ILE:HG12	15	20.47
(1,702)	1:A:66:LYS:HA	1:B:41:ILE:HG12	15	20.47
(1,702)	1:B:66:LYS:HA	1:A:41:ILE:HG12	15	20.47
(1,702)	1:B:66:LYS:HA	1:B:41:ILE:HG12	15	20.47
(1,693)	1:A:41:ILE:HG12	1:A:67:LYS:HA	9	20.47
(1,693)	1:A:41:ILE:HG12	1:B:67:LYS:HA	9	20.47
(1,693)	1:B:41:ILE:HG12	1:A:67:LYS:HA	9	20.47
(1,693)	1:B:41:ILE:HG12	1:B:67:LYS:HA	9	20.47
(1,32)	1:A:66:LYS:H	1:A:41:ILE:HG12	12	20.47
(1,32)	1:A:66:LYS:H	1:B:41:ILE:HG12	12	20.47
(1,32)	1:B:66:LYS:H	1:A:41:ILE:HG12	12	20.47
(1,32)	1:B:66:LYS:H	1:B:41:ILE:HG12	12	20.47
(1,301)	1:A:64:ALA:H	1:A:39:LYS:HD2	8	20.47
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD2	8	20.47
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD3	8	20.47
(1,301)	1:B:64:ALA:H	1:A:39:LYS:HD2	8	20.47
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD2	8	20.47
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD3	8	20.47
(1,693)	1:A:41:ILE:HG12	1:A:67:LYS:HA	6	20.46
(1,693)	1:A:41:ILE:HG12	1:B:67:LYS:HA	6	20.46
(1,693)	1:B:41:ILE:HG12	1:A:67:LYS:HA	6	20.46
(1,693)	1:B:41:ILE:HG12	1:B:67:LYS:HA	6	20.46
(1,323)	1:A:41:ILE:HG13	1:A:67:LYS:H	4	20.46
(1,323)	1:A:41:ILE:HG13	1:B:67:LYS:H	4	20.46
(1,323)	1:B:41:ILE:HG13	1:A:67:LYS:H	4	20.46
(1,323)	1:B:41:ILE:HG13	1:B:67:LYS:H	4	20.46
(1,323)	1:A:41:ILE:HG13	1:A:67:LYS:H	13	20.46
(1,323)	1:A:41:ILE:HG13	1:B:67:LYS:H	13	20.46
(1,323)	1:B:41:ILE:HG13	1:A:67:LYS:H	13	20.46
(1,323)	1:B:41:ILE:HG13	1:B:67:LYS:H	13	20.46
(1,773)	1:A:63:ASP:H	1:A:39:LYS:HG2	19	20.45
(1,773)	1:A:63:ASP:H	1:B:39:LYS:HG2	19	20.45
(1,773)	1:B:63:ASP:H	1:A:39:LYS:HG2	19	20.45
(1,773)	1:B:63:ASP:H	1:B:39:LYS:HG2	19	20.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:A:61:ILE:HB	1:A:36:LYS:HE2	8	20.45
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE2	8	20.45
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE3	8	20.45
(1,579)	1:B:61:ILE:HB	1:A:36:LYS:HE2	8	20.45
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE2	8	20.45
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE3	8	20.45
(1,786)	1:A:39:LYS:HE2	1:A:65:LEU:HG	12	20.44
(1,786)	1:A:39:LYS:HE2	1:B:65:LEU:HG	12	20.44
(1,786)	1:B:39:LYS:HE2	1:A:65:LEU:HG	12	20.44
(1,786)	1:B:39:LYS:HE2	1:B:65:LEU:HG	12	20.44
(1,786)	1:B:39:LYS:HE3	1:A:65:LEU:HG	12	20.44
(1,786)	1:B:39:LYS:HE3	1:B:65:LEU:HG	12	20.44
(1,693)	1:A:41:ILE:HG12	1:A:67:LYS:HA	5	20.44
(1,693)	1:A:41:ILE:HG12	1:B:67:LYS:HA	5	20.44
(1,693)	1:B:41:ILE:HG12	1:A:67:LYS:HA	5	20.44
(1,693)	1:B:41:ILE:HG12	1:B:67:LYS:HA	5	20.44
(1,547)	1:A:65:LEU:HA	1:A:43:GLU:HG2	5	20.44
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG2	5	20.44
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG3	5	20.44
(1,547)	1:B:65:LEU:HA	1:A:43:GLU:HG2	5	20.44
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG2	5	20.44
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG3	5	20.44
(1,547)	1:A:65:LEU:HA	1:A:43:GLU:HG2	14	20.44
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG2	14	20.44
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG3	14	20.44
(1,547)	1:B:65:LEU:HA	1:A:43:GLU:HG2	14	20.44
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG2	14	20.44
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG3	14	20.44
(1,792)	1:A:69:SER:HG	1:A:44:LYS:HE2	6	20.43
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE2	6	20.43
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE3	6	20.43
(1,792)	1:B:69:SER:HG	1:A:44:LYS:HE2	6	20.43
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE2	6	20.43
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE3	6	20.43
(1,32)	1:A:66:LYS:H	1:A:41:ILE:HG12	3	20.42
(1,32)	1:A:66:LYS:H	1:B:41:ILE:HG12	3	20.42
(1,32)	1:B:66:LYS:H	1:A:41:ILE:HG12	3	20.42
(1,32)	1:B:66:LYS:H	1:B:41:ILE:HG12	3	20.42
(1,694)	1:A:41:ILE:HG13	1:A:67:LYS:HA	19	20.41
(1,694)	1:A:41:ILE:HG13	1:B:67:LYS:HA	19	20.41
(1,694)	1:B:41:ILE:HG13	1:A:67:LYS:HA	19	20.41
(1,694)	1:B:41:ILE:HG13	1:B:67:LYS:HA	19	20.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,694)	1:A:41:ILE:HG13	1:A:67:LYS:HA	13	20.4
(1,694)	1:A:41:ILE:HG13	1:B:67:LYS:HA	13	20.4
(1,694)	1:B:41:ILE:HG13	1:A:67:LYS:HA	13	20.4
(1,694)	1:B:41:ILE:HG13	1:B:67:LYS:HA	13	20.4
(1,310)	1:A:41:ILE:HG12	1:A:67:LYS:H	19	20.4
(1,310)	1:A:41:ILE:HG12	1:B:67:LYS:H	19	20.4
(1,310)	1:B:41:ILE:HG12	1:A:67:LYS:H	19	20.4
(1,310)	1:B:41:ILE:HG12	1:B:67:LYS:H	19	20.4
(1,301)	1:A:64:ALA:H	1:A:39:LYS:HD2	3	20.4
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD2	3	20.4
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD3	3	20.4
(1,301)	1:B:64:ALA:H	1:A:39:LYS:HD2	3	20.4
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD2	3	20.4
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD3	3	20.4
(1,547)	1:A:65:LEU:HA	1:A:43:GLU:HG2	18	20.39
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG2	18	20.39
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG3	18	20.39
(1,547)	1:B:65:LEU:HA	1:A:43:GLU:HG2	18	20.39
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG2	18	20.39
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG3	18	20.39
(1,310)	1:A:41:ILE:HG12	1:A:67:LYS:H	4	20.39
(1,310)	1:A:41:ILE:HG12	1:B:67:LYS:H	4	20.39
(1,310)	1:B:41:ILE:HG12	1:A:67:LYS:H	4	20.39
(1,310)	1:B:41:ILE:HG12	1:B:67:LYS:H	4	20.39
(1,305)	1:A:39:LYS:HD2	1:A:66:LYS:H	7	20.39
(1,305)	1:A:39:LYS:HD2	1:B:66:LYS:H	7	20.39
(1,305)	1:B:39:LYS:HD2	1:A:66:LYS:H	7	20.39
(1,305)	1:B:39:LYS:HD2	1:B:66:LYS:H	7	20.39
(1,305)	1:B:39:LYS:HD3	1:A:66:LYS:H	7	20.39
(1,305)	1:B:39:LYS:HD3	1:B:66:LYS:H	7	20.39
(1,323)	1:A:41:ILE:HG13	1:A:67:LYS:H	19	20.37
(1,323)	1:A:41:ILE:HG13	1:B:67:LYS:H	19	20.37
(1,323)	1:B:41:ILE:HG13	1:A:67:LYS:H	19	20.37
(1,323)	1:B:41:ILE:HG13	1:B:67:LYS:H	19	20.37
(1,302)	1:A:39:LYS:HD2	1:A:67:LYS:H	9	20.37
(1,302)	1:A:39:LYS:HD2	1:B:67:LYS:H	9	20.37
(1,302)	1:B:39:LYS:HD2	1:A:67:LYS:H	9	20.37
(1,302)	1:B:39:LYS:HD2	1:B:67:LYS:H	9	20.37
(1,302)	1:B:39:LYS:HD3	1:A:67:LYS:H	9	20.37
(1,302)	1:B:39:LYS:HD3	1:B:67:LYS:H	9	20.37
(1,702)	1:A:66:LYS:HA	1:A:41:ILE:HG12	17	20.36
(1,702)	1:A:66:LYS:HA	1:B:41:ILE:HG12	17	20.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:B:66:LYS:HA	1:A:41:ILE:HG12	17	20.36
(1,702)	1:B:66:LYS:HA	1:B:41:ILE:HG12	17	20.36
(1,32)	1:A:66:LYS:H	1:A:41:ILE:HG12	16	20.36
(1,32)	1:A:66:LYS:H	1:B:41:ILE:HG12	16	20.36
(1,32)	1:B:66:LYS:H	1:A:41:ILE:HG12	16	20.36
(1,32)	1:B:66:LYS:H	1:B:41:ILE:HG12	16	20.36
(1,310)	1:A:41:ILE:HG12	1:A:67:LYS:H	13	20.36
(1,310)	1:A:41:ILE:HG12	1:B:67:LYS:H	13	20.36
(1,310)	1:B:41:ILE:HG12	1:A:67:LYS:H	13	20.36
(1,310)	1:B:41:ILE:HG12	1:B:67:LYS:H	13	20.36
(1,792)	1:A:69:SER:HG	1:A:44:LYS:HE2	5	20.35
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE2	5	20.35
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE3	5	20.35
(1,792)	1:B:69:SER:HG	1:A:44:LYS:HE2	5	20.35
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE2	5	20.35
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE3	5	20.35
(1,547)	1:A:65:LEU:HA	1:A:43:GLU:HG2	6	20.35
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG2	6	20.35
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG3	6	20.35
(1,547)	1:B:65:LEU:HA	1:A:43:GLU:HG2	6	20.35
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG2	6	20.35
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG3	6	20.35
(1,305)	1:A:39:LYS:HD2	1:A:66:LYS:H	15	20.35
(1,305)	1:A:39:LYS:HD2	1:B:66:LYS:H	15	20.35
(1,305)	1:B:39:LYS:HD2	1:A:66:LYS:H	15	20.35
(1,305)	1:B:39:LYS:HD2	1:B:66:LYS:H	15	20.35
(1,305)	1:B:39:LYS:HD3	1:A:66:LYS:H	15	20.35
(1,305)	1:B:39:LYS:HD3	1:B:66:LYS:H	15	20.35
(1,302)	1:A:39:LYS:HD2	1:A:67:LYS:H	8	20.35
(1,302)	1:A:39:LYS:HD2	1:B:67:LYS:H	8	20.35
(1,302)	1:B:39:LYS:HD2	1:A:67:LYS:H	8	20.35
(1,302)	1:B:39:LYS:HD2	1:B:67:LYS:H	8	20.35
(1,302)	1:B:39:LYS:HD3	1:A:67:LYS:H	8	20.35
(1,302)	1:B:39:LYS:HD3	1:B:67:LYS:H	8	20.35
(1,527)	1:A:39:LYS:HE2	1:A:66:LYS:H	10	20.34
(1,527)	1:A:39:LYS:HE2	1:B:66:LYS:H	10	20.34
(1,527)	1:B:39:LYS:HE2	1:A:66:LYS:H	10	20.34
(1,527)	1:B:39:LYS:HE2	1:B:66:LYS:H	10	20.34
(1,527)	1:B:39:LYS:HE3	1:A:66:LYS:H	10	20.34
(1,527)	1:B:39:LYS:HE3	1:B:66:LYS:H	10	20.34
(1,301)	1:A:64:ALA:H	1:A:39:LYS:HD2	18	20.34
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD2	18	20.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD3	18	20.34
(1,301)	1:B:64:ALA:H	1:A:39:LYS:HD2	18	20.34
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD2	18	20.34
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD3	18	20.34
(1,694)	1:A:41:ILE:HG13	1:A:67:LYS:HA	4	20.33
(1,694)	1:A:41:ILE:HG13	1:B:67:LYS:HA	4	20.33
(1,694)	1:B:41:ILE:HG13	1:A:67:LYS:HA	4	20.33
(1,694)	1:B:41:ILE:HG13	1:B:67:LYS:HA	4	20.33
(1,565)	1:A:66:LYS:HA	1:A:44:LYS:HE2	9	20.33
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE2	9	20.33
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE3	9	20.33
(1,565)	1:B:66:LYS:HA	1:A:44:LYS:HE2	9	20.33
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE2	9	20.33
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE3	9	20.33
(1,547)	1:A:65:LEU:HA	1:A:43:GLU:HG2	20	20.33
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG2	20	20.33
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG3	20	20.33
(1,547)	1:B:65:LEU:HA	1:A:43:GLU:HG2	20	20.33
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG2	20	20.33
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG3	20	20.33
(1,547)	1:A:65:LEU:HA	1:A:43:GLU:HG2	13	20.32
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG2	13	20.32
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG3	13	20.32
(1,547)	1:B:65:LEU:HA	1:A:43:GLU:HG2	13	20.32
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG2	13	20.32
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG3	13	20.32
(1,779)	1:A:64:ALA:HB1	1:A:39:LYS:HG2	9	20.31
(1,779)	1:A:64:ALA:HB1	1:B:39:LYS:HG2	9	20.31
(1,779)	1:A:64:ALA:HB2	1:A:39:LYS:HG2	9	20.31
(1,779)	1:A:64:ALA:HB2	1:B:39:LYS:HG2	9	20.31
(1,779)	1:A:64:ALA:HB3	1:A:39:LYS:HG2	9	20.31
(1,779)	1:A:64:ALA:HB3	1:B:39:LYS:HG2	9	20.31
(1,779)	1:B:64:ALA:HB1	1:A:39:LYS:HG2	9	20.31
(1,779)	1:B:64:ALA:HB1	1:B:39:LYS:HG2	9	20.31
(1,779)	1:B:64:ALA:HB2	1:A:39:LYS:HG2	9	20.31
(1,779)	1:B:64:ALA:HB2	1:B:39:LYS:HG2	9	20.31
(1,779)	1:B:64:ALA:HB3	1:A:39:LYS:HG2	9	20.31
(1,779)	1:B:64:ALA:HB3	1:B:39:LYS:HG2	9	20.31
(1,301)	1:A:64:ALA:H	1:A:39:LYS:HD2	17	20.31
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD2	17	20.31
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD3	17	20.31
(1,301)	1:B:64:ALA:H	1:A:39:LYS:HD2	17	20.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD2	17	20.31
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD3	17	20.31
(1,779)	1:A:64:ALA:HB1	1:A:39:LYS:HG2	3	20.3
(1,779)	1:A:64:ALA:HB1	1:B:39:LYS:HG2	3	20.3
(1,779)	1:A:64:ALA:HB2	1:A:39:LYS:HG2	3	20.3
(1,779)	1:A:64:ALA:HB2	1:B:39:LYS:HG2	3	20.3
(1,779)	1:A:64:ALA:HB3	1:A:39:LYS:HG2	3	20.3
(1,779)	1:A:64:ALA:HB3	1:B:39:LYS:HG2	3	20.3
(1,779)	1:B:64:ALA:HB1	1:A:39:LYS:HG2	3	20.3
(1,779)	1:B:64:ALA:HB1	1:B:39:LYS:HG2	3	20.3
(1,779)	1:B:64:ALA:HB2	1:A:39:LYS:HG2	3	20.3
(1,779)	1:B:64:ALA:HB2	1:B:39:LYS:HG2	3	20.3
(1,779)	1:B:64:ALA:HB3	1:A:39:LYS:HG2	3	20.3
(1,779)	1:B:64:ALA:HB3	1:B:39:LYS:HG2	3	20.3
(1,32)	1:A:66:LYS:H	1:A:41:ILE:HG12	5	20.3
(1,32)	1:A:66:LYS:H	1:B:41:ILE:HG12	5	20.3
(1,32)	1:B:66:LYS:H	1:A:41:ILE:HG12	5	20.3
(1,32)	1:B:66:LYS:H	1:B:41:ILE:HG12	5	20.3
(1,779)	1:A:64:ALA:HB1	1:A:39:LYS:HG2	5	20.29
(1,779)	1:A:64:ALA:HB1	1:B:39:LYS:HG2	5	20.29
(1,779)	1:A:64:ALA:HB2	1:A:39:LYS:HG2	5	20.29
(1,779)	1:A:64:ALA:HB2	1:B:39:LYS:HG2	5	20.29
(1,779)	1:A:64:ALA:HB3	1:A:39:LYS:HG2	5	20.29
(1,779)	1:A:64:ALA:HB3	1:B:39:LYS:HG2	5	20.29
(1,779)	1:B:64:ALA:HB1	1:A:39:LYS:HG2	5	20.29
(1,779)	1:B:64:ALA:HB1	1:B:39:LYS:HG2	5	20.29
(1,779)	1:B:64:ALA:HB2	1:A:39:LYS:HG2	5	20.29
(1,779)	1:B:64:ALA:HB2	1:B:39:LYS:HG2	5	20.29
(1,779)	1:B:64:ALA:HB3	1:A:39:LYS:HG2	5	20.29
(1,779)	1:B:64:ALA:HB3	1:B:39:LYS:HG2	5	20.29
(1,779)	1:A:64:ALA:HB1	1:A:39:LYS:HG2	18	20.29
(1,779)	1:A:64:ALA:HB1	1:B:39:LYS:HG2	18	20.29
(1,779)	1:A:64:ALA:HB2	1:A:39:LYS:HG2	18	20.29
(1,779)	1:A:64:ALA:HB2	1:B:39:LYS:HG2	18	20.29
(1,779)	1:A:64:ALA:HB3	1:A:39:LYS:HG2	18	20.29
(1,779)	1:A:64:ALA:HB3	1:B:39:LYS:HG2	18	20.29
(1,779)	1:B:64:ALA:HB1	1:A:39:LYS:HG2	18	20.29
(1,779)	1:B:64:ALA:HB1	1:B:39:LYS:HG2	18	20.29
(1,779)	1:B:64:ALA:HB2	1:A:39:LYS:HG2	18	20.29
(1,779)	1:B:64:ALA:HB2	1:B:39:LYS:HG2	18	20.29
(1,779)	1:B:64:ALA:HB3	1:A:39:LYS:HG2	18	20.29
(1,779)	1:B:64:ALA:HB3	1:B:39:LYS:HG2	18	20.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,792)	1:A:69:SER:HG	1:A:44:LYS:HE2	18	20.25
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE2	18	20.25
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE3	18	20.25
(1,792)	1:B:69:SER:HG	1:A:44:LYS:HE2	18	20.25
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE2	18	20.25
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE3	18	20.25
(1,565)	1:A:66:LYS:HA	1:A:44:LYS:HE2	5	20.25
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE2	5	20.25
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE3	5	20.25
(1,565)	1:B:66:LYS:HA	1:A:44:LYS:HE2	5	20.25
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE2	5	20.25
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE3	5	20.25
(1,310)	1:A:41:ILE:HG12	1:A:67:LYS:H	8	20.25
(1,310)	1:A:41:ILE:HG12	1:B:67:LYS:H	8	20.25
(1,310)	1:B:41:ILE:HG12	1:A:67:LYS:H	8	20.25
(1,310)	1:B:41:ILE:HG12	1:B:67:LYS:H	8	20.25
(1,21)	1:A:64:ALA:H	1:A:39:LYS:HE2	7	20.25
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE2	7	20.25
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE3	7	20.25
(1,21)	1:B:64:ALA:H	1:A:39:LYS:HE2	7	20.25
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE2	7	20.25
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE3	7	20.25
(1,779)	1:A:64:ALA:HB1	1:A:39:LYS:HG2	20	20.24
(1,779)	1:A:64:ALA:HB1	1:B:39:LYS:HG2	20	20.24
(1,779)	1:A:64:ALA:HB2	1:A:39:LYS:HG2	20	20.24
(1,779)	1:A:64:ALA:HB2	1:B:39:LYS:HG2	20	20.24
(1,779)	1:A:64:ALA:HB3	1:A:39:LYS:HG2	20	20.24
(1,779)	1:A:64:ALA:HB3	1:B:39:LYS:HG2	20	20.24
(1,779)	1:B:64:ALA:HB1	1:A:39:LYS:HG2	20	20.24
(1,779)	1:B:64:ALA:HB1	1:B:39:LYS:HG2	20	20.24
(1,779)	1:B:64:ALA:HB2	1:A:39:LYS:HG2	20	20.24
(1,779)	1:B:64:ALA:HB2	1:B:39:LYS:HG2	20	20.24
(1,779)	1:B:64:ALA:HB3	1:A:39:LYS:HG2	20	20.24
(1,779)	1:B:64:ALA:HB3	1:B:39:LYS:HG2	20	20.24
(1,32)	1:A:66:LYS:H	1:A:41:ILE:HG12	6	20.22
(1,32)	1:A:66:LYS:H	1:B:41:ILE:HG12	6	20.22
(1,32)	1:B:66:LYS:H	1:A:41:ILE:HG12	6	20.22
(1,32)	1:B:66:LYS:H	1:B:41:ILE:HG12	6	20.22
(1,605)	1:A:39:LYS:HD2	1:A:67:LYS:HG2	19	20.21
(1,605)	1:A:39:LYS:HD2	1:B:67:LYS:HG2	19	20.21
(1,605)	1:B:39:LYS:HD2	1:A:67:LYS:HG2	19	20.21
(1,605)	1:B:39:LYS:HD2	1:B:67:LYS:HG2	19	20.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,605)	1:B:39:LYS:HD3	1:A:67:LYS:HG2	19	20.21
(1,605)	1:B:39:LYS:HD3	1:B:67:LYS:HG2	19	20.21
(1,527)	1:A:39:LYS:HE2	1:A:66:LYS:H	1	20.21
(1,527)	1:A:39:LYS:HE2	1:B:66:LYS:H	1	20.21
(1,527)	1:B:39:LYS:HE2	1:A:66:LYS:H	1	20.21
(1,527)	1:B:39:LYS:HE2	1:B:66:LYS:H	1	20.21
(1,527)	1:B:39:LYS:HE3	1:A:66:LYS:H	1	20.21
(1,527)	1:B:39:LYS:HE3	1:B:66:LYS:H	1	20.21
(1,686)	1:A:66:LYS:HG2	1:A:45:ARG:HD2	2	20.2
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD2	2	20.2
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD3	2	20.2
(1,686)	1:B:66:LYS:HG2	1:A:45:ARG:HD2	2	20.2
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD2	2	20.2
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD3	2	20.2
(1,323)	1:A:41:ILE:HG13	1:A:67:LYS:H	8	20.2
(1,323)	1:A:41:ILE:HG13	1:B:67:LYS:H	8	20.2
(1,323)	1:B:41:ILE:HG13	1:A:67:LYS:H	8	20.2
(1,323)	1:B:41:ILE:HG13	1:B:67:LYS:H	8	20.2
(1,565)	1:A:66:LYS:HA	1:A:44:LYS:HE2	15	20.19
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE2	15	20.19
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE3	15	20.19
(1,565)	1:B:66:LYS:HA	1:A:44:LYS:HE2	15	20.19
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE2	15	20.19
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE3	15	20.19
(1,547)	1:A:65:LEU:HA	1:A:43:GLU:HG2	11	20.18
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG2	11	20.18
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG3	11	20.18
(1,547)	1:B:65:LEU:HA	1:A:43:GLU:HG2	11	20.18
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG2	11	20.18
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG3	11	20.18
(1,301)	1:A:64:ALA:H	1:A:39:LYS:HD2	13	20.18
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD2	13	20.18
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD3	13	20.18
(1,301)	1:B:64:ALA:H	1:A:39:LYS:HD2	13	20.18
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD2	13	20.18
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD3	13	20.18
(1,672)	1:A:39:LYS:HG2	1:A:67:LYS:HG2	19	20.17
(1,672)	1:A:39:LYS:HG2	1:B:67:LYS:HG2	19	20.17
(1,672)	1:B:39:LYS:HG2	1:A:67:LYS:HG2	19	20.17
(1,672)	1:B:39:LYS:HG2	1:B:67:LYS:HG2	19	20.17
(1,617)	1:A:39:LYS:HG2	1:A:67:LYS:HG3	19	20.17
(1,617)	1:A:39:LYS:HG2	1:B:67:LYS:HG3	19	20.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,617)	1:B:39:LYS:HG2	1:A:67:LYS:HG3	19	20.17
(1,617)	1:B:39:LYS:HG2	1:B:67:LYS:HG3	19	20.17
(1,301)	1:A:64:ALA:H	1:A:39:LYS:HD2	2	20.16
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD2	2	20.16
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD3	2	20.16
(1,301)	1:B:64:ALA:H	1:A:39:LYS:HD2	2	20.16
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD2	2	20.16
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD3	2	20.16
(1,773)	1:A:63:ASP:H	1:A:39:LYS:HG2	18	20.14
(1,773)	1:A:63:ASP:H	1:B:39:LYS:HG2	18	20.14
(1,773)	1:B:63:ASP:H	1:A:39:LYS:HG2	18	20.14
(1,773)	1:B:63:ASP:H	1:B:39:LYS:HG2	18	20.14
(1,45)	1:A:69:SER:H	1:A:44:LYS:HG3	13	20.14
(1,45)	1:A:69:SER:H	1:B:44:LYS:HG3	13	20.14
(1,45)	1:B:69:SER:H	1:A:44:LYS:HG3	13	20.14
(1,45)	1:B:69:SER:H	1:B:44:LYS:HG3	13	20.14
(1,32)	1:A:66:LYS:H	1:A:41:ILE:HG12	14	20.14
(1,32)	1:A:66:LYS:H	1:B:41:ILE:HG12	14	20.14
(1,32)	1:B:66:LYS:H	1:A:41:ILE:HG12	14	20.14
(1,32)	1:B:66:LYS:H	1:B:41:ILE:HG12	14	20.14
(1,302)	1:A:39:LYS:HD2	1:A:67:LYS:H	13	20.14
(1,302)	1:A:39:LYS:HD2	1:B:67:LYS:H	13	20.14
(1,302)	1:B:39:LYS:HD2	1:A:67:LYS:H	13	20.14
(1,302)	1:B:39:LYS:HD2	1:B:67:LYS:H	13	20.14
(1,302)	1:B:39:LYS:HD3	1:A:67:LYS:H	13	20.14
(1,302)	1:B:39:LYS:HD3	1:B:67:LYS:H	13	20.14
(1,773)	1:A:63:ASP:H	1:A:39:LYS:HG2	8	20.13
(1,773)	1:A:63:ASP:H	1:B:39:LYS:HG2	8	20.13
(1,773)	1:B:63:ASP:H	1:A:39:LYS:HG2	8	20.13
(1,773)	1:B:63:ASP:H	1:B:39:LYS:HG2	8	20.13
(1,786)	1:A:39:LYS:HE2	1:A:65:LEU:HG	15	20.12
(1,786)	1:A:39:LYS:HE2	1:B:65:LEU:HG	15	20.12
(1,786)	1:B:39:LYS:HE2	1:A:65:LEU:HG	15	20.12
(1,786)	1:B:39:LYS:HE2	1:B:65:LEU:HG	15	20.12
(1,786)	1:B:39:LYS:HE3	1:A:65:LEU:HG	15	20.12
(1,786)	1:B:39:LYS:HE3	1:B:65:LEU:HG	15	20.12
(1,45)	1:A:69:SER:H	1:A:44:LYS:HG3	6	20.12
(1,45)	1:A:69:SER:H	1:B:44:LYS:HG3	6	20.12
(1,45)	1:B:69:SER:H	1:A:44:LYS:HG3	6	20.12
(1,45)	1:B:69:SER:H	1:B:44:LYS:HG3	6	20.12
(1,323)	1:A:41:ILE:HG13	1:A:67:LYS:H	12	20.11
(1,323)	1:A:41:ILE:HG13	1:B:67:LYS:H	12	20.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,323)	1:B:41:ILE:HG13	1:A:67:LYS:H	12	20.11
(1,323)	1:B:41:ILE:HG13	1:B:67:LYS:H	12	20.11
(1,310)	1:A:41:ILE:HG12	1:A:67:LYS:H	9	20.11
(1,310)	1:A:41:ILE:HG12	1:B:67:LYS:H	9	20.11
(1,310)	1:B:41:ILE:HG12	1:A:67:LYS:H	9	20.11
(1,310)	1:B:41:ILE:HG12	1:B:67:LYS:H	9	20.11
(1,301)	1:A:64:ALA:H	1:A:39:LYS:HD2	5	20.11
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD2	5	20.11
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD3	5	20.11
(1,301)	1:B:64:ALA:H	1:A:39:LYS:HD2	5	20.11
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD2	5	20.11
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD3	5	20.11
(1,547)	1:A:65:LEU:HA	1:A:43:GLU:HG2	7	20.1
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG2	7	20.1
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG3	7	20.1
(1,547)	1:B:65:LEU:HA	1:A:43:GLU:HG2	7	20.1
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG2	7	20.1
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG3	7	20.1
(1,302)	1:A:39:LYS:HD2	1:A:67:LYS:H	18	20.1
(1,302)	1:A:39:LYS:HD2	1:B:67:LYS:H	18	20.1
(1,302)	1:B:39:LYS:HD2	1:A:67:LYS:H	18	20.1
(1,302)	1:B:39:LYS:HD2	1:B:67:LYS:H	18	20.1
(1,302)	1:B:39:LYS:HD3	1:A:67:LYS:H	18	20.1
(1,302)	1:B:39:LYS:HD3	1:B:67:LYS:H	18	20.1
(1,792)	1:A:69:SER:HG	1:A:44:LYS:HE2	16	20.09
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE2	16	20.09
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE3	16	20.09
(1,792)	1:B:69:SER:HG	1:A:44:LYS:HE2	16	20.09
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE2	16	20.09
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE3	16	20.09
(1,779)	1:A:64:ALA:HB1	1:A:39:LYS:HG2	13	20.09
(1,779)	1:A:64:ALA:HB1	1:B:39:LYS:HG2	13	20.09
(1,779)	1:A:64:ALA:HB2	1:A:39:LYS:HG2	13	20.09
(1,779)	1:A:64:ALA:HB2	1:B:39:LYS:HG2	13	20.09
(1,779)	1:A:64:ALA:HB3	1:A:39:LYS:HG2	13	20.09
(1,779)	1:A:64:ALA:HB3	1:B:39:LYS:HG2	13	20.09
(1,779)	1:B:64:ALA:HB1	1:A:39:LYS:HG2	13	20.09
(1,779)	1:B:64:ALA:HB1	1:B:39:LYS:HG2	13	20.09
(1,779)	1:B:64:ALA:HB2	1:A:39:LYS:HG2	13	20.09
(1,779)	1:B:64:ALA:HB2	1:B:39:LYS:HG2	13	20.09
(1,779)	1:B:64:ALA:HB3	1:A:39:LYS:HG2	13	20.09
(1,779)	1:B:64:ALA:HB3	1:B:39:LYS:HG2	13	20.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,694)	1:A:41:ILE:HG13	1:A:67:LYS:HA	12	20.09
(1,694)	1:A:41:ILE:HG13	1:B:67:LYS:HA	12	20.09
(1,694)	1:B:41:ILE:HG13	1:A:67:LYS:HA	12	20.09
(1,694)	1:B:41:ILE:HG13	1:B:67:LYS:HA	12	20.09
(1,773)	1:A:63:ASP:H	1:A:39:LYS:HG2	9	20.07
(1,773)	1:A:63:ASP:H	1:B:39:LYS:HG2	9	20.07
(1,773)	1:B:63:ASP:H	1:A:39:LYS:HG2	9	20.07
(1,773)	1:B:63:ASP:H	1:B:39:LYS:HG2	9	20.07
(1,686)	1:A:66:LYS:HG2	1:A:45:ARG:HD2	4	20.07
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD2	4	20.07
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD3	4	20.07
(1,686)	1:B:66:LYS:HG2	1:A:45:ARG:HD2	4	20.07
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD2	4	20.07
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD3	4	20.07
(1,547)	1:A:65:LEU:HA	1:A:43:GLU:HG2	12	20.07
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG2	12	20.07
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG3	12	20.07
(1,547)	1:B:65:LEU:HA	1:A:43:GLU:HG2	12	20.07
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG2	12	20.07
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG3	12	20.07
(1,323)	1:A:41:ILE:HG13	1:A:67:LYS:H	2	20.07
(1,323)	1:A:41:ILE:HG13	1:B:67:LYS:H	2	20.07
(1,323)	1:B:41:ILE:HG13	1:A:67:LYS:H	2	20.07
(1,323)	1:B:41:ILE:HG13	1:B:67:LYS:H	2	20.07
(1,32)	1:A:66:LYS:H	1:A:41:ILE:HG12	1	20.07
(1,32)	1:A:66:LYS:H	1:B:41:ILE:HG12	1	20.07
(1,32)	1:B:66:LYS:H	1:A:41:ILE:HG12	1	20.07
(1,32)	1:B:66:LYS:H	1:B:41:ILE:HG12	1	20.07
(1,301)	1:A:64:ALA:H	1:A:39:LYS:HD2	4	20.07
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD2	4	20.07
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD3	4	20.07
(1,301)	1:B:64:ALA:H	1:A:39:LYS:HD2	4	20.07
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD2	4	20.07
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD3	4	20.07
(1,792)	1:A:69:SER:HG	1:A:44:LYS:HE2	2	20.06
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE2	2	20.06
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE3	2	20.06
(1,792)	1:B:69:SER:HG	1:A:44:LYS:HE2	2	20.06
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE2	2	20.06
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE3	2	20.06
(1,792)	1:A:69:SER:HG	1:A:44:LYS:HE2	3	20.06
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE2	3	20.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE3	3	20.06
(1,792)	1:B:69:SER:HG	1:A:44:LYS:HE2	3	20.06
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE2	3	20.06
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE3	3	20.06
(1,693)	1:A:41:ILE:HG12	1:A:67:LYS:HA	11	20.06
(1,693)	1:A:41:ILE:HG12	1:B:67:LYS:HA	11	20.06
(1,693)	1:B:41:ILE:HG12	1:A:67:LYS:HA	11	20.06
(1,693)	1:B:41:ILE:HG12	1:B:67:LYS:HA	11	20.06
(1,45)	1:A:69:SER:H	1:A:44:LYS:HG3	3	20.06
(1,45)	1:A:69:SER:H	1:B:44:LYS:HG3	3	20.06
(1,45)	1:B:69:SER:H	1:A:44:LYS:HG3	3	20.06
(1,45)	1:B:69:SER:H	1:B:44:LYS:HG3	3	20.06
(1,323)	1:A:41:ILE:HG13	1:A:67:LYS:H	9	20.06
(1,323)	1:A:41:ILE:HG13	1:B:67:LYS:H	9	20.06
(1,323)	1:B:41:ILE:HG13	1:A:67:LYS:H	9	20.06
(1,323)	1:B:41:ILE:HG13	1:B:67:LYS:H	9	20.06
(1,565)	1:A:66:LYS:HA	1:A:44:LYS:HE2	6	20.05
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE2	6	20.05
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE3	6	20.05
(1,565)	1:B:66:LYS:HA	1:A:44:LYS:HE2	6	20.05
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE2	6	20.05
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE3	6	20.05
(1,310)	1:A:41:ILE:HG12	1:A:67:LYS:H	2	20.05
(1,310)	1:A:41:ILE:HG12	1:B:67:LYS:H	2	20.05
(1,310)	1:B:41:ILE:HG12	1:A:67:LYS:H	2	20.05
(1,310)	1:B:41:ILE:HG12	1:B:67:LYS:H	2	20.05
(1,301)	1:A:64:ALA:H	1:A:39:LYS:HD2	14	20.05
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD2	14	20.05
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD3	14	20.05
(1,301)	1:B:64:ALA:H	1:A:39:LYS:HD2	14	20.05
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD2	14	20.05
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD3	14	20.05
(1,693)	1:A:41:ILE:HG12	1:A:67:LYS:HA	16	20.04
(1,693)	1:A:41:ILE:HG12	1:B:67:LYS:HA	16	20.04
(1,693)	1:B:41:ILE:HG12	1:A:67:LYS:HA	16	20.04
(1,693)	1:B:41:ILE:HG12	1:B:67:LYS:HA	16	20.04
(1,686)	1:A:66:LYS:HG2	1:A:45:ARG:HD2	13	20.04
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD2	13	20.04
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD3	13	20.04
(1,686)	1:B:66:LYS:HG2	1:A:45:ARG:HD2	13	20.04
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD2	13	20.04
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD3	13	20.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:A:65:LEU:HA	1:A:43:GLU:HG2	1	20.04
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG2	1	20.04
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG3	1	20.04
(1,547)	1:B:65:LEU:HA	1:A:43:GLU:HG2	1	20.04
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG2	1	20.04
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG3	1	20.04
(1,779)	1:A:64:ALA:HB1	1:A:39:LYS:HG2	17	20.03
(1,779)	1:A:64:ALA:HB1	1:B:39:LYS:HG2	17	20.03
(1,779)	1:A:64:ALA:HB2	1:A:39:LYS:HG2	17	20.03
(1,779)	1:A:64:ALA:HB2	1:B:39:LYS:HG2	17	20.03
(1,779)	1:A:64:ALA:HB3	1:A:39:LYS:HG2	17	20.03
(1,779)	1:A:64:ALA:HB3	1:B:39:LYS:HG2	17	20.03
(1,779)	1:B:64:ALA:HB1	1:A:39:LYS:HG2	17	20.03
(1,779)	1:B:64:ALA:HB1	1:B:39:LYS:HG2	17	20.03
(1,779)	1:B:64:ALA:HB2	1:A:39:LYS:HG2	17	20.03
(1,779)	1:B:64:ALA:HB2	1:B:39:LYS:HG2	17	20.03
(1,779)	1:B:64:ALA:HB3	1:A:39:LYS:HG2	17	20.03
(1,779)	1:B:64:ALA:HB3	1:B:39:LYS:HG2	17	20.03
(1,672)	1:A:39:LYS:HG2	1:A:67:LYS:HG2	8	20.03
(1,672)	1:A:39:LYS:HG2	1:B:67:LYS:HG2	8	20.03
(1,672)	1:B:39:LYS:HG2	1:A:67:LYS:HG2	8	20.03
(1,672)	1:B:39:LYS:HG2	1:B:67:LYS:HG2	8	20.03
(1,32)	1:A:66:LYS:H	1:A:41:ILE:HG12	11	20.03
(1,32)	1:A:66:LYS:H	1:B:41:ILE:HG12	11	20.03
(1,32)	1:B:66:LYS:H	1:A:41:ILE:HG12	11	20.03
(1,32)	1:B:66:LYS:H	1:B:41:ILE:HG12	11	20.03
(1,305)	1:A:39:LYS:HD2	1:A:66:LYS:H	1	20.03
(1,305)	1:A:39:LYS:HD2	1:B:66:LYS:H	1	20.03
(1,305)	1:B:39:LYS:HD2	1:A:66:LYS:H	1	20.03
(1,305)	1:B:39:LYS:HD2	1:B:66:LYS:H	1	20.03
(1,305)	1:B:39:LYS:HD3	1:A:66:LYS:H	1	20.03
(1,305)	1:B:39:LYS:HD3	1:B:66:LYS:H	1	20.03
(1,565)	1:A:66:LYS:HA	1:A:44:LYS:HE2	4	20.02
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE2	4	20.02
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE3	4	20.02
(1,565)	1:B:66:LYS:HA	1:A:44:LYS:HE2	4	20.02
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE2	4	20.02
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE3	4	20.02
(1,21)	1:A:64:ALA:H	1:A:39:LYS:HE2	1	20.01
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE2	1	20.01
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE3	1	20.01
(1,21)	1:B:64:ALA:H	1:A:39:LYS:HE2	1	20.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE2	1	20.01
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE3	1	20.01
(1,45)	1:A:69:SER:H	1:A:44:LYS:HG3	1	19.99
(1,45)	1:A:69:SER:H	1:B:44:LYS:HG3	1	19.99
(1,45)	1:B:69:SER:H	1:A:44:LYS:HG3	1	19.99
(1,45)	1:B:69:SER:H	1:B:44:LYS:HG3	1	19.99
(1,305)	1:A:39:LYS:HD2	1:A:66:LYS:H	10	19.99
(1,305)	1:A:39:LYS:HD2	1:B:66:LYS:H	10	19.99
(1,305)	1:B:39:LYS:HD2	1:A:66:LYS:H	10	19.99
(1,305)	1:B:39:LYS:HD2	1:B:66:LYS:H	10	19.99
(1,305)	1:B:39:LYS:HD3	1:A:66:LYS:H	10	19.99
(1,305)	1:B:39:LYS:HD3	1:B:66:LYS:H	10	19.99
(1,779)	1:A:64:ALA:HB1	1:A:39:LYS:HG2	4	19.98
(1,779)	1:A:64:ALA:HB1	1:B:39:LYS:HG2	4	19.98
(1,779)	1:A:64:ALA:HB2	1:A:39:LYS:HG2	4	19.98
(1,779)	1:A:64:ALA:HB2	1:B:39:LYS:HG2	4	19.98
(1,779)	1:A:64:ALA:HB3	1:A:39:LYS:HG2	4	19.98
(1,779)	1:A:64:ALA:HB3	1:B:39:LYS:HG2	4	19.98
(1,779)	1:B:64:ALA:HB1	1:A:39:LYS:HG2	4	19.98
(1,779)	1:B:64:ALA:HB1	1:B:39:LYS:HG2	4	19.98
(1,779)	1:B:64:ALA:HB2	1:A:39:LYS:HG2	4	19.98
(1,779)	1:B:64:ALA:HB2	1:B:39:LYS:HG2	4	19.98
(1,779)	1:B:64:ALA:HB3	1:A:39:LYS:HG2	4	19.98
(1,779)	1:B:64:ALA:HB3	1:B:39:LYS:HG2	4	19.98
(1,32)	1:A:66:LYS:H	1:A:41:ILE:HG12	20	19.98
(1,32)	1:A:66:LYS:H	1:B:41:ILE:HG12	20	19.98
(1,32)	1:B:66:LYS:H	1:A:41:ILE:HG12	20	19.98
(1,32)	1:B:66:LYS:H	1:B:41:ILE:HG12	20	19.98
(1,310)	1:A:41:ILE:HG12	1:A:67:LYS:H	12	19.98
(1,310)	1:A:41:ILE:HG12	1:B:67:LYS:H	12	19.98
(1,310)	1:B:41:ILE:HG12	1:A:67:LYS:H	12	19.98
(1,310)	1:B:41:ILE:HG12	1:B:67:LYS:H	12	19.98
(1,694)	1:A:41:ILE:HG13	1:A:67:LYS:HA	2	19.96
(1,694)	1:A:41:ILE:HG13	1:B:67:LYS:HA	2	19.96
(1,694)	1:B:41:ILE:HG13	1:A:67:LYS:HA	2	19.96
(1,694)	1:B:41:ILE:HG13	1:B:67:LYS:HA	2	19.96
(1,565)	1:A:66:LYS:HA	1:A:44:LYS:HE2	19	19.96
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE2	19	19.96
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE3	19	19.96
(1,565)	1:B:66:LYS:HA	1:A:44:LYS:HE2	19	19.96
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE2	19	19.96
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE3	19	19.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,32)	1:A:66:LYS:H	1:A:41:ILE:HG12	10	19.96
(1,32)	1:A:66:LYS:H	1:B:41:ILE:HG12	10	19.96
(1,32)	1:B:66:LYS:H	1:A:41:ILE:HG12	10	19.96
(1,32)	1:B:66:LYS:H	1:B:41:ILE:HG12	10	19.96
(1,565)	1:A:66:LYS:HA	1:A:44:LYS:HE2	3	19.95
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE2	3	19.95
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE3	3	19.95
(1,565)	1:B:66:LYS:HA	1:A:44:LYS:HE2	3	19.95
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE2	3	19.95
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE3	3	19.95
(1,693)	1:A:41:ILE:HG12	1:A:67:LYS:HA	3	19.94
(1,693)	1:A:41:ILE:HG12	1:B:67:LYS:HA	3	19.94
(1,693)	1:B:41:ILE:HG12	1:A:67:LYS:HA	3	19.94
(1,693)	1:B:41:ILE:HG12	1:B:67:LYS:HA	3	19.94
(1,565)	1:A:66:LYS:HA	1:A:44:LYS:HE2	18	19.94
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE2	18	19.94
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE3	18	19.94
(1,565)	1:B:66:LYS:HA	1:A:44:LYS:HE2	18	19.94
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE2	18	19.94
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE3	18	19.94
(1,323)	1:A:41:ILE:HG13	1:A:67:LYS:H	16	19.94
(1,323)	1:A:41:ILE:HG13	1:B:67:LYS:H	16	19.94
(1,323)	1:B:41:ILE:HG13	1:A:67:LYS:H	16	19.94
(1,323)	1:B:41:ILE:HG13	1:B:67:LYS:H	16	19.94
(1,301)	1:A:64:ALA:H	1:A:39:LYS:HD2	16	19.94
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD2	16	19.94
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD3	16	19.94
(1,301)	1:B:64:ALA:H	1:A:39:LYS:HD2	16	19.94
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD2	16	19.94
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD3	16	19.94
(1,32)	1:A:66:LYS:H	1:A:41:ILE:HG12	18	19.93
(1,32)	1:A:66:LYS:H	1:B:41:ILE:HG12	18	19.93
(1,32)	1:B:66:LYS:H	1:A:41:ILE:HG12	18	19.93
(1,32)	1:B:66:LYS:H	1:B:41:ILE:HG12	18	19.93
(1,792)	1:A:69:SER:HG	1:A:44:LYS:HE2	17	19.92
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE2	17	19.92
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE3	17	19.92
(1,792)	1:B:69:SER:HG	1:A:44:LYS:HE2	17	19.92
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE2	17	19.92
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE3	17	19.92
(1,773)	1:A:63:ASP:H	1:A:39:LYS:HG2	5	19.92
(1,773)	1:A:63:ASP:H	1:B:39:LYS:HG2	5	19.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,773)	1:B:63:ASP:H	1:A:39:LYS:HG2	5	19.92
(1,773)	1:B:63:ASP:H	1:B:39:LYS:HG2	5	19.92
(1,323)	1:A:41:ILE:HG13	1:A:67:LYS:H	5	19.92
(1,323)	1:A:41:ILE:HG13	1:B:67:LYS:H	5	19.92
(1,323)	1:B:41:ILE:HG13	1:A:67:LYS:H	5	19.92
(1,323)	1:B:41:ILE:HG13	1:B:67:LYS:H	5	19.92
(1,694)	1:A:41:ILE:HG13	1:A:67:LYS:HA	8	19.91
(1,694)	1:A:41:ILE:HG13	1:B:67:LYS:HA	8	19.91
(1,694)	1:B:41:ILE:HG13	1:A:67:LYS:HA	8	19.91
(1,694)	1:B:41:ILE:HG13	1:B:67:LYS:HA	8	19.91
(1,565)	1:A:66:LYS:HA	1:A:44:LYS:HE2	16	19.9
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE2	16	19.9
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE3	16	19.9
(1,565)	1:B:66:LYS:HA	1:A:44:LYS:HE2	16	19.9
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE2	16	19.9
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE3	16	19.9
(1,694)	1:A:41:ILE:HG13	1:A:67:LYS:HA	5	19.89
(1,694)	1:A:41:ILE:HG13	1:B:67:LYS:HA	5	19.89
(1,694)	1:B:41:ILE:HG13	1:A:67:LYS:HA	5	19.89
(1,694)	1:B:41:ILE:HG13	1:B:67:LYS:HA	5	19.89
(1,302)	1:A:39:LYS:HD2	1:A:67:LYS:H	4	19.88
(1,302)	1:A:39:LYS:HD2	1:B:67:LYS:H	4	19.88
(1,302)	1:B:39:LYS:HD2	1:A:67:LYS:H	4	19.88
(1,302)	1:B:39:LYS:HD2	1:B:67:LYS:H	4	19.88
(1,302)	1:B:39:LYS:HD3	1:A:67:LYS:H	4	19.88
(1,302)	1:B:39:LYS:HD3	1:B:67:LYS:H	4	19.88
(1,773)	1:A:63:ASP:H	1:A:39:LYS:HG2	3	19.87
(1,773)	1:A:63:ASP:H	1:B:39:LYS:HG2	3	19.87
(1,773)	1:B:63:ASP:H	1:A:39:LYS:HG2	3	19.87
(1,773)	1:B:63:ASP:H	1:B:39:LYS:HG2	3	19.87
(1,686)	1:A:66:LYS:HG2	1:A:45:ARG:HD2	9	19.87
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD2	9	19.87
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD3	9	19.87
(1,686)	1:B:66:LYS:HG2	1:A:45:ARG:HD2	9	19.87
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD2	9	19.87
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD3	9	19.87
(1,32)	1:A:66:LYS:H	1:A:41:ILE:HG12	7	19.87
(1,32)	1:A:66:LYS:H	1:B:41:ILE:HG12	7	19.87
(1,32)	1:B:66:LYS:H	1:A:41:ILE:HG12	7	19.87
(1,32)	1:B:66:LYS:H	1:B:41:ILE:HG12	7	19.87
(1,302)	1:A:39:LYS:HD2	1:A:67:LYS:H	3	19.87
(1,302)	1:A:39:LYS:HD2	1:B:67:LYS:H	3	19.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:B:39:LYS:HD2	1:A:67:LYS:H	3	19.87
(1,302)	1:B:39:LYS:HD2	1:B:67:LYS:H	3	19.87
(1,302)	1:B:39:LYS:HD3	1:A:67:LYS:H	3	19.87
(1,302)	1:B:39:LYS:HD3	1:B:67:LYS:H	3	19.87
(1,301)	1:A:64:ALA:H	1:A:39:LYS:HD2	20	19.87
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD2	20	19.87
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD3	20	19.87
(1,301)	1:B:64:ALA:H	1:A:39:LYS:HD2	20	19.87
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD2	20	19.87
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD3	20	19.87
(1,779)	1:A:64:ALA:HB1	1:A:39:LYS:HG2	2	19.86
(1,779)	1:A:64:ALA:HB1	1:B:39:LYS:HG2	2	19.86
(1,779)	1:A:64:ALA:HB2	1:A:39:LYS:HG2	2	19.86
(1,779)	1:A:64:ALA:HB2	1:B:39:LYS:HG2	2	19.86
(1,779)	1:A:64:ALA:HB3	1:A:39:LYS:HG2	2	19.86
(1,779)	1:A:64:ALA:HB3	1:B:39:LYS:HG2	2	19.86
(1,779)	1:B:64:ALA:HB1	1:A:39:LYS:HG2	2	19.86
(1,779)	1:B:64:ALA:HB1	1:B:39:LYS:HG2	2	19.86
(1,779)	1:B:64:ALA:HB2	1:A:39:LYS:HG2	2	19.86
(1,779)	1:B:64:ALA:HB2	1:B:39:LYS:HG2	2	19.86
(1,779)	1:B:64:ALA:HB3	1:A:39:LYS:HG2	2	19.86
(1,779)	1:B:64:ALA:HB3	1:B:39:LYS:HG2	2	19.86
(1,694)	1:A:41:ILE:HG13	1:A:67:LYS:HA	6	19.86
(1,694)	1:A:41:ILE:HG13	1:B:67:LYS:HA	6	19.86
(1,694)	1:B:41:ILE:HG13	1:A:67:LYS:HA	6	19.86
(1,694)	1:B:41:ILE:HG13	1:B:67:LYS:HA	6	19.86
(1,611)	1:A:39:LYS:HG3	1:A:67:LYS:HG2	19	19.86
(1,611)	1:A:39:LYS:HG3	1:B:67:LYS:HG2	19	19.86
(1,611)	1:B:39:LYS:HG3	1:A:67:LYS:HG2	19	19.86
(1,611)	1:B:39:LYS:HG3	1:B:67:LYS:HG2	19	19.86
(1,605)	1:A:39:LYS:HD2	1:A:67:LYS:HG2	9	19.86
(1,605)	1:A:39:LYS:HD2	1:B:67:LYS:HG2	9	19.86
(1,605)	1:B:39:LYS:HD2	1:A:67:LYS:HG2	9	19.86
(1,605)	1:B:39:LYS:HD2	1:B:67:LYS:HG2	9	19.86
(1,605)	1:B:39:LYS:HD3	1:A:67:LYS:HG2	9	19.86
(1,605)	1:B:39:LYS:HD3	1:B:67:LYS:HG2	9	19.86
(1,565)	1:A:66:LYS:HA	1:A:44:LYS:HE2	11	19.86
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE2	11	19.86
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE3	11	19.86
(1,565)	1:B:66:LYS:HA	1:A:44:LYS:HE2	11	19.86
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE2	11	19.86
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE3	11	19.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,310)	1:A:41:ILE:HG12	1:A:67:LYS:H	16	19.86
(1,310)	1:A:41:ILE:HG12	1:B:67:LYS:H	16	19.86
(1,310)	1:B:41:ILE:HG12	1:A:67:LYS:H	16	19.86
(1,310)	1:B:41:ILE:HG12	1:B:67:LYS:H	16	19.86
(1,779)	1:A:64:ALA:HB1	1:A:39:LYS:HG2	15	19.84
(1,779)	1:A:64:ALA:HB1	1:B:39:LYS:HG2	15	19.84
(1,779)	1:A:64:ALA:HB2	1:A:39:LYS:HG2	15	19.84
(1,779)	1:A:64:ALA:HB2	1:B:39:LYS:HG2	15	19.84
(1,779)	1:A:64:ALA:HB3	1:A:39:LYS:HG2	15	19.84
(1,779)	1:A:64:ALA:HB3	1:B:39:LYS:HG2	15	19.84
(1,779)	1:B:64:ALA:HB1	1:A:39:LYS:HG2	15	19.84
(1,779)	1:B:64:ALA:HB1	1:B:39:LYS:HG2	15	19.84
(1,779)	1:B:64:ALA:HB2	1:A:39:LYS:HG2	15	19.84
(1,779)	1:B:64:ALA:HB2	1:B:39:LYS:HG2	15	19.84
(1,779)	1:B:64:ALA:HB3	1:A:39:LYS:HG2	15	19.84
(1,779)	1:B:64:ALA:HB3	1:B:39:LYS:HG2	15	19.84
(1,323)	1:A:41:ILE:HG13	1:A:67:LYS:H	3	19.84
(1,323)	1:A:41:ILE:HG13	1:B:67:LYS:H	3	19.84
(1,323)	1:B:41:ILE:HG13	1:A:67:LYS:H	3	19.84
(1,323)	1:B:41:ILE:HG13	1:B:67:LYS:H	3	19.84
(1,779)	1:A:64:ALA:HB1	1:A:39:LYS:HG2	16	19.83
(1,779)	1:A:64:ALA:HB1	1:B:39:LYS:HG2	16	19.83
(1,779)	1:A:64:ALA:HB2	1:A:39:LYS:HG2	16	19.83
(1,779)	1:A:64:ALA:HB2	1:B:39:LYS:HG2	16	19.83
(1,779)	1:A:64:ALA:HB3	1:A:39:LYS:HG2	16	19.83
(1,779)	1:A:64:ALA:HB3	1:B:39:LYS:HG2	16	19.83
(1,779)	1:B:64:ALA:HB1	1:A:39:LYS:HG2	16	19.83
(1,779)	1:B:64:ALA:HB1	1:B:39:LYS:HG2	16	19.83
(1,779)	1:B:64:ALA:HB2	1:A:39:LYS:HG2	16	19.83
(1,779)	1:B:64:ALA:HB2	1:B:39:LYS:HG2	16	19.83
(1,779)	1:B:64:ALA:HB3	1:A:39:LYS:HG2	16	19.83
(1,779)	1:B:64:ALA:HB3	1:B:39:LYS:HG2	16	19.83
(1,547)	1:A:65:LEU:HA	1:A:43:GLU:HG2	15	19.83
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG2	15	19.83
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG3	15	19.83
(1,547)	1:B:65:LEU:HA	1:A:43:GLU:HG2	15	19.83
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG2	15	19.83
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG3	15	19.83
(1,45)	1:A:69:SER:H	1:A:44:LYS:HG3	20	19.83
(1,45)	1:A:69:SER:H	1:B:44:LYS:HG3	20	19.83
(1,45)	1:B:69:SER:H	1:A:44:LYS:HG3	20	19.83
(1,45)	1:B:69:SER:H	1:B:44:LYS:HG3	20	19.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:A:65:LEU:HA	1:A:43:GLU:HG2	10	19.82
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG2	10	19.82
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG3	10	19.82
(1,547)	1:B:65:LEU:HA	1:A:43:GLU:HG2	10	19.82
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG2	10	19.82
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG3	10	19.82
(1,773)	1:A:63:ASP:H	1:A:39:LYS:HG2	20	19.81
(1,773)	1:A:63:ASP:H	1:B:39:LYS:HG2	20	19.81
(1,773)	1:B:63:ASP:H	1:A:39:LYS:HG2	20	19.81
(1,773)	1:B:63:ASP:H	1:B:39:LYS:HG2	20	19.81
(1,45)	1:A:69:SER:H	1:A:44:LYS:HG3	8	19.81
(1,45)	1:A:69:SER:H	1:B:44:LYS:HG3	8	19.81
(1,45)	1:B:69:SER:H	1:A:44:LYS:HG3	8	19.81
(1,45)	1:B:69:SER:H	1:B:44:LYS:HG3	8	19.81
(1,617)	1:A:39:LYS:HG2	1:A:67:LYS:HG3	9	19.8
(1,617)	1:A:39:LYS:HG2	1:B:67:LYS:HG3	9	19.8
(1,617)	1:B:39:LYS:HG2	1:A:67:LYS:HG3	9	19.8
(1,617)	1:B:39:LYS:HG2	1:B:67:LYS:HG3	9	19.8
(1,605)	1:A:39:LYS:HD2	1:A:67:LYS:HG2	8	19.8
(1,605)	1:A:39:LYS:HD2	1:B:67:LYS:HG2	8	19.8
(1,605)	1:B:39:LYS:HD2	1:A:67:LYS:HG2	8	19.8
(1,605)	1:B:39:LYS:HD2	1:B:67:LYS:HG2	8	19.8
(1,605)	1:B:39:LYS:HD3	1:A:67:LYS:HG2	8	19.8
(1,605)	1:B:39:LYS:HD3	1:B:67:LYS:HG2	8	19.8
(1,323)	1:A:41:ILE:HG13	1:A:67:LYS:H	6	19.8
(1,323)	1:A:41:ILE:HG13	1:B:67:LYS:H	6	19.8
(1,323)	1:B:41:ILE:HG13	1:A:67:LYS:H	6	19.8
(1,323)	1:B:41:ILE:HG13	1:B:67:LYS:H	6	19.8
(1,606)	1:A:39:LYS:HD2	1:A:67:LYS:HG3	19	19.79
(1,606)	1:A:39:LYS:HD2	1:B:67:LYS:HG3	19	19.79
(1,606)	1:B:39:LYS:HD2	1:A:67:LYS:HG3	19	19.79
(1,606)	1:B:39:LYS:HD2	1:B:67:LYS:HG3	19	19.79
(1,606)	1:B:39:LYS:HD3	1:A:67:LYS:HG3	19	19.79
(1,606)	1:B:39:LYS:HD3	1:B:67:LYS:HG3	19	19.79
(1,310)	1:A:41:ILE:HG12	1:A:67:LYS:H	3	19.79
(1,310)	1:A:41:ILE:HG12	1:B:67:LYS:H	3	19.79
(1,310)	1:B:41:ILE:HG12	1:A:67:LYS:H	3	19.79
(1,310)	1:B:41:ILE:HG12	1:B:67:LYS:H	3	19.79
(1,693)	1:A:41:ILE:HG12	1:A:67:LYS:HA	18	19.78
(1,693)	1:A:41:ILE:HG12	1:B:67:LYS:HA	18	19.78
(1,693)	1:B:41:ILE:HG12	1:A:67:LYS:HA	18	19.78
(1,693)	1:B:41:ILE:HG12	1:B:67:LYS:HA	18	19.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,310)	1:A:41:ILE:HG12	1:A:67:LYS:H	5	19.78
(1,310)	1:A:41:ILE:HG12	1:B:67:LYS:H	5	19.78
(1,310)	1:B:41:ILE:HG12	1:A:67:LYS:H	5	19.78
(1,310)	1:B:41:ILE:HG12	1:B:67:LYS:H	5	19.78
(1,779)	1:A:64:ALA:HB1	1:A:39:LYS:HG2	12	19.77
(1,779)	1:A:64:ALA:HB1	1:B:39:LYS:HG2	12	19.77
(1,779)	1:A:64:ALA:HB2	1:A:39:LYS:HG2	12	19.77
(1,779)	1:A:64:ALA:HB2	1:B:39:LYS:HG2	12	19.77
(1,779)	1:A:64:ALA:HB3	1:A:39:LYS:HG2	12	19.77
(1,779)	1:A:64:ALA:HB3	1:B:39:LYS:HG2	12	19.77
(1,779)	1:B:64:ALA:HB1	1:A:39:LYS:HG2	12	19.77
(1,779)	1:B:64:ALA:HB1	1:B:39:LYS:HG2	12	19.77
(1,779)	1:B:64:ALA:HB2	1:A:39:LYS:HG2	12	19.77
(1,779)	1:B:64:ALA:HB2	1:B:39:LYS:HG2	12	19.77
(1,779)	1:B:64:ALA:HB3	1:A:39:LYS:HG2	12	19.77
(1,779)	1:B:64:ALA:HB3	1:B:39:LYS:HG2	12	19.77
(1,301)	1:A:64:ALA:H	1:A:39:LYS:HD2	12	19.77
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD2	12	19.77
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD3	12	19.77
(1,301)	1:B:64:ALA:H	1:A:39:LYS:HD2	12	19.77
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD2	12	19.77
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD3	12	19.77
(1,301)	1:A:64:ALA:H	1:A:39:LYS:HD2	15	19.77
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD2	15	19.77
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD3	15	19.77
(1,301)	1:B:64:ALA:H	1:A:39:LYS:HD2	15	19.77
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD2	15	19.77
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD3	15	19.77
(1,302)	1:A:39:LYS:HD2	1:A:67:LYS:H	17	19.76
(1,302)	1:A:39:LYS:HD2	1:B:67:LYS:H	17	19.76
(1,302)	1:B:39:LYS:HD2	1:A:67:LYS:H	17	19.76
(1,302)	1:B:39:LYS:HD2	1:B:67:LYS:H	17	19.76
(1,302)	1:B:39:LYS:HD3	1:A:67:LYS:H	17	19.76
(1,302)	1:B:39:LYS:HD3	1:B:67:LYS:H	17	19.76
(1,779)	1:A:64:ALA:HB1	1:A:39:LYS:HG2	11	19.75
(1,779)	1:A:64:ALA:HB1	1:B:39:LYS:HG2	11	19.75
(1,779)	1:A:64:ALA:HB2	1:A:39:LYS:HG2	11	19.75
(1,779)	1:A:64:ALA:HB2	1:B:39:LYS:HG2	11	19.75
(1,779)	1:A:64:ALA:HB3	1:A:39:LYS:HG2	11	19.75
(1,779)	1:A:64:ALA:HB3	1:B:39:LYS:HG2	11	19.75
(1,779)	1:B:64:ALA:HB1	1:A:39:LYS:HG2	11	19.75
(1,779)	1:B:64:ALA:HB1	1:B:39:LYS:HG2	11	19.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,779)	1:B:64:ALA:HB2	1:A:39:LYS:HG2	11	19.75
(1,779)	1:B:64:ALA:HB2	1:B:39:LYS:HG2	11	19.75
(1,779)	1:B:64:ALA:HB3	1:A:39:LYS:HG2	11	19.75
(1,779)	1:B:64:ALA:HB3	1:B:39:LYS:HG2	11	19.75
(1,694)	1:A:41:ILE:HG13	1:A:67:LYS:HA	9	19.75
(1,694)	1:A:41:ILE:HG13	1:B:67:LYS:HA	9	19.75
(1,694)	1:B:41:ILE:HG13	1:A:67:LYS:HA	9	19.75
(1,694)	1:B:41:ILE:HG13	1:B:67:LYS:HA	9	19.75
(1,686)	1:A:66:LYS:HG2	1:A:45:ARG:HD2	19	19.75
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD2	19	19.75
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD3	19	19.75
(1,686)	1:B:66:LYS:HG2	1:A:45:ARG:HD2	19	19.75
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD2	19	19.75
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD3	19	19.75
(1,617)	1:A:39:LYS:HG2	1:A:67:LYS:HG3	18	19.74
(1,617)	1:A:39:LYS:HG2	1:B:67:LYS:HG3	18	19.74
(1,617)	1:B:39:LYS:HG2	1:A:67:LYS:HG3	18	19.74
(1,617)	1:B:39:LYS:HG2	1:B:67:LYS:HG3	18	19.74
(1,792)	1:A:69:SER:HG	1:A:44:LYS:HE2	7	19.73
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE2	7	19.73
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE3	7	19.73
(1,792)	1:B:69:SER:HG	1:A:44:LYS:HE2	7	19.73
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE2	7	19.73
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE3	7	19.73
(1,750)	1:A:69:SER:H	1:A:44:LYS:HG2	12	19.73
(1,750)	1:A:69:SER:H	1:B:44:LYS:HG2	12	19.73
(1,750)	1:B:69:SER:H	1:A:44:LYS:HG2	12	19.73
(1,750)	1:B:69:SER:H	1:B:44:LYS:HG2	12	19.73
(1,686)	1:A:66:LYS:HG2	1:A:45:ARG:HD2	3	19.72
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD2	3	19.72
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD3	3	19.72
(1,686)	1:B:66:LYS:HG2	1:A:45:ARG:HD2	3	19.72
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD2	3	19.72
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD3	3	19.72
(1,677)	1:A:39:LYS:HG3	1:A:67:LYS:HG3	19	19.71
(1,677)	1:A:39:LYS:HG3	1:B:67:LYS:HG3	19	19.71
(1,677)	1:B:39:LYS:HG3	1:A:67:LYS:HG3	19	19.71
(1,677)	1:B:39:LYS:HG3	1:B:67:LYS:HG3	19	19.71
(1,45)	1:A:69:SER:H	1:A:44:LYS:HG3	4	19.71
(1,45)	1:A:69:SER:H	1:B:44:LYS:HG3	4	19.71
(1,45)	1:B:69:SER:H	1:A:44:LYS:HG3	4	19.71
(1,45)	1:B:69:SER:H	1:B:44:LYS:HG3	4	19.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,617)	1:A:39:LYS:HG2	1:A:67:LYS:HG3	20	19.7
(1,617)	1:A:39:LYS:HG2	1:B:67:LYS:HG3	20	19.7
(1,617)	1:B:39:LYS:HG2	1:A:67:LYS:HG3	20	19.7
(1,617)	1:B:39:LYS:HG2	1:B:67:LYS:HG3	20	19.7
(1,606)	1:A:39:LYS:HD2	1:A:67:LYS:HG3	13	19.7
(1,606)	1:A:39:LYS:HD2	1:B:67:LYS:HG3	13	19.7
(1,606)	1:B:39:LYS:HD2	1:A:67:LYS:HG3	13	19.7
(1,606)	1:B:39:LYS:HD2	1:B:67:LYS:HG3	13	19.7
(1,606)	1:B:39:LYS:HD3	1:A:67:LYS:HG3	13	19.7
(1,606)	1:B:39:LYS:HD3	1:B:67:LYS:HG3	13	19.7
(1,779)	1:A:64:ALA:HB1	1:A:39:LYS:HG2	14	19.69
(1,779)	1:A:64:ALA:HB1	1:B:39:LYS:HG2	14	19.69
(1,779)	1:A:64:ALA:HB2	1:A:39:LYS:HG2	14	19.69
(1,779)	1:A:64:ALA:HB2	1:B:39:LYS:HG2	14	19.69
(1,779)	1:A:64:ALA:HB3	1:A:39:LYS:HG2	14	19.69
(1,779)	1:A:64:ALA:HB3	1:B:39:LYS:HG2	14	19.69
(1,779)	1:B:64:ALA:HB1	1:A:39:LYS:HG2	14	19.69
(1,779)	1:B:64:ALA:HB1	1:B:39:LYS:HG2	14	19.69
(1,779)	1:B:64:ALA:HB2	1:A:39:LYS:HG2	14	19.69
(1,779)	1:B:64:ALA:HB2	1:B:39:LYS:HG2	14	19.69
(1,779)	1:B:64:ALA:HB3	1:A:39:LYS:HG2	14	19.69
(1,779)	1:B:64:ALA:HB3	1:B:39:LYS:HG2	14	19.69
(1,565)	1:A:66:LYS:HA	1:A:44:LYS:HE2	2	19.69
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE2	2	19.69
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE3	2	19.69
(1,565)	1:B:66:LYS:HA	1:A:44:LYS:HE2	2	19.69
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE2	2	19.69
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE3	2	19.69
(1,547)	1:A:65:LEU:HA	1:A:43:GLU:HG2	16	19.68
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG2	16	19.68
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG3	16	19.68
(1,547)	1:B:65:LEU:HA	1:A:43:GLU:HG2	16	19.68
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG2	16	19.68
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG3	16	19.68
(1,310)	1:A:41:ILE:HG12	1:A:67:LYS:H	6	19.68
(1,310)	1:A:41:ILE:HG12	1:B:67:LYS:H	6	19.68
(1,310)	1:B:41:ILE:HG12	1:A:67:LYS:H	6	19.68
(1,310)	1:B:41:ILE:HG12	1:B:67:LYS:H	6	19.68
(1,693)	1:A:41:ILE:HG12	1:A:67:LYS:HA	1	19.67
(1,693)	1:A:41:ILE:HG12	1:B:67:LYS:HA	1	19.67
(1,693)	1:B:41:ILE:HG12	1:A:67:LYS:HA	1	19.67
(1,693)	1:B:41:ILE:HG12	1:B:67:LYS:HA	1	19.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,328)	1:A:69:SER:H	1:A:44:LYS:HE2	8	19.67
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE2	8	19.67
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE3	8	19.67
(1,328)	1:B:69:SER:H	1:A:44:LYS:HE2	8	19.67
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE2	8	19.67
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE3	8	19.67
(1,686)	1:A:66:LYS:HG2	1:A:45:ARG:HD2	8	19.66
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD2	8	19.66
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD3	8	19.66
(1,686)	1:B:66:LYS:HG2	1:A:45:ARG:HD2	8	19.66
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD2	8	19.66
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD3	8	19.66
(1,527)	1:A:39:LYS:HE2	1:A:66:LYS:H	6	19.66
(1,527)	1:A:39:LYS:HE2	1:B:66:LYS:H	6	19.66
(1,527)	1:B:39:LYS:HE2	1:A:66:LYS:H	6	19.66
(1,527)	1:B:39:LYS:HE2	1:B:66:LYS:H	6	19.66
(1,527)	1:B:39:LYS:HE3	1:A:66:LYS:H	6	19.66
(1,527)	1:B:39:LYS:HE3	1:B:66:LYS:H	6	19.66
(1,693)	1:A:41:ILE:HG12	1:A:67:LYS:HA	17	19.65
(1,693)	1:A:41:ILE:HG12	1:B:67:LYS:HA	17	19.65
(1,693)	1:B:41:ILE:HG12	1:A:67:LYS:HA	17	19.65
(1,693)	1:B:41:ILE:HG12	1:B:67:LYS:HA	17	19.65
(1,672)	1:A:39:LYS:HG2	1:A:67:LYS:HG2	9	19.65
(1,672)	1:A:39:LYS:HG2	1:B:67:LYS:HG2	9	19.65
(1,672)	1:B:39:LYS:HG2	1:A:67:LYS:HG2	9	19.65
(1,672)	1:B:39:LYS:HG2	1:B:67:LYS:HG2	9	19.65
(1,579)	1:A:61:ILE:HB	1:A:36:LYS:HE2	9	19.65
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE2	9	19.65
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE3	9	19.65
(1,579)	1:B:61:ILE:HB	1:A:36:LYS:HE2	9	19.65
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE2	9	19.65
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE3	9	19.65
(1,565)	1:A:66:LYS:HA	1:A:44:LYS:HE2	17	19.65
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE2	17	19.65
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE3	17	19.65
(1,565)	1:B:66:LYS:HA	1:A:44:LYS:HE2	17	19.65
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE2	17	19.65
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE3	17	19.65
(1,301)	1:A:64:ALA:H	1:A:39:LYS:HD2	11	19.65
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD2	11	19.65
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD3	11	19.65
(1,301)	1:B:64:ALA:H	1:A:39:LYS:HD2	11	19.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD2	11	19.65
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD3	11	19.65
(1,750)	1:A:69:SER:H	1:A:44:LYS:HG2	19	19.64
(1,750)	1:A:69:SER:H	1:B:44:LYS:HG2	19	19.64
(1,750)	1:B:69:SER:H	1:A:44:LYS:HG2	19	19.64
(1,750)	1:B:69:SER:H	1:B:44:LYS:HG2	19	19.64
(1,305)	1:A:39:LYS:HD2	1:A:66:LYS:H	6	19.64
(1,305)	1:A:39:LYS:HD2	1:B:66:LYS:H	6	19.64
(1,305)	1:B:39:LYS:HD2	1:A:66:LYS:H	6	19.64
(1,305)	1:B:39:LYS:HD2	1:B:66:LYS:H	6	19.64
(1,305)	1:B:39:LYS:HD3	1:A:66:LYS:H	6	19.64
(1,305)	1:B:39:LYS:HD3	1:B:66:LYS:H	6	19.64
(1,773)	1:A:63:ASP:H	1:A:39:LYS:HG2	17	19.63
(1,773)	1:A:63:ASP:H	1:B:39:LYS:HG2	17	19.63
(1,773)	1:B:63:ASP:H	1:A:39:LYS:HG2	17	19.63
(1,773)	1:B:63:ASP:H	1:B:39:LYS:HG2	17	19.63
(1,693)	1:A:41:ILE:HG12	1:A:67:LYS:HA	7	19.63
(1,693)	1:A:41:ILE:HG12	1:B:67:LYS:HA	7	19.63
(1,693)	1:B:41:ILE:HG12	1:A:67:LYS:HA	7	19.63
(1,693)	1:B:41:ILE:HG12	1:B:67:LYS:HA	7	19.63
(1,302)	1:A:39:LYS:HD2	1:A:67:LYS:H	14	19.63
(1,302)	1:A:39:LYS:HD2	1:B:67:LYS:H	14	19.63
(1,302)	1:B:39:LYS:HD2	1:A:67:LYS:H	14	19.63
(1,302)	1:B:39:LYS:HD2	1:B:67:LYS:H	14	19.63
(1,302)	1:B:39:LYS:HD3	1:A:67:LYS:H	14	19.63
(1,302)	1:B:39:LYS:HD3	1:B:67:LYS:H	14	19.63
(1,693)	1:A:41:ILE:HG12	1:A:67:LYS:HA	20	19.62
(1,693)	1:A:41:ILE:HG12	1:B:67:LYS:HA	20	19.62
(1,693)	1:B:41:ILE:HG12	1:A:67:LYS:HA	20	19.62
(1,693)	1:B:41:ILE:HG12	1:B:67:LYS:HA	20	19.62
(1,323)	1:A:41:ILE:HG13	1:A:67:LYS:H	11	19.62
(1,323)	1:A:41:ILE:HG13	1:B:67:LYS:H	11	19.62
(1,323)	1:B:41:ILE:HG13	1:A:67:LYS:H	11	19.62
(1,323)	1:B:41:ILE:HG13	1:B:67:LYS:H	11	19.62
(1,773)	1:A:63:ASP:H	1:A:39:LYS:HG2	13	19.6
(1,773)	1:A:63:ASP:H	1:B:39:LYS:HG2	13	19.6
(1,773)	1:B:63:ASP:H	1:A:39:LYS:HG2	13	19.6
(1,773)	1:B:63:ASP:H	1:B:39:LYS:HG2	13	19.6
(1,611)	1:A:39:LYS:HG3	1:A:67:LYS:HG2	8	19.6
(1,611)	1:A:39:LYS:HG3	1:B:67:LYS:HG2	8	19.6
(1,611)	1:B:39:LYS:HG3	1:A:67:LYS:HG2	8	19.6
(1,611)	1:B:39:LYS:HG3	1:B:67:LYS:HG2	8	19.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,515)	1:A:36:LYS:HE2	1:A:62:LEU:H	8	19.59
(1,515)	1:A:36:LYS:HE2	1:B:62:LEU:H	8	19.59
(1,515)	1:B:36:LYS:HE2	1:A:62:LEU:H	8	19.59
(1,515)	1:B:36:LYS:HE2	1:B:62:LEU:H	8	19.59
(1,515)	1:B:36:LYS:HE3	1:A:62:LEU:H	8	19.59
(1,515)	1:B:36:LYS:HE3	1:B:62:LEU:H	8	19.59
(1,750)	1:A:69:SER:H	1:A:44:LYS:HG2	6	19.58
(1,750)	1:A:69:SER:H	1:B:44:LYS:HG2	6	19.58
(1,750)	1:B:69:SER:H	1:A:44:LYS:HG2	6	19.58
(1,750)	1:B:69:SER:H	1:B:44:LYS:HG2	6	19.58
(1,323)	1:A:41:ILE:HG13	1:A:67:LYS:H	14	19.58
(1,323)	1:A:41:ILE:HG13	1:B:67:LYS:H	14	19.58
(1,323)	1:B:41:ILE:HG13	1:A:67:LYS:H	14	19.58
(1,323)	1:B:41:ILE:HG13	1:B:67:LYS:H	14	19.58
(1,302)	1:A:39:LYS:HD2	1:A:67:LYS:H	16	19.58
(1,302)	1:A:39:LYS:HD2	1:B:67:LYS:H	16	19.58
(1,302)	1:B:39:LYS:HD2	1:A:67:LYS:H	16	19.58
(1,302)	1:B:39:LYS:HD2	1:B:67:LYS:H	16	19.58
(1,302)	1:B:39:LYS:HD3	1:A:67:LYS:H	16	19.58
(1,302)	1:B:39:LYS:HD3	1:B:67:LYS:H	16	19.58
(1,565)	1:A:66:LYS:HA	1:A:44:LYS:HE2	1	19.57
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE2	1	19.57
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE3	1	19.57
(1,565)	1:B:66:LYS:HA	1:A:44:LYS:HE2	1	19.57
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE2	1	19.57
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE3	1	19.57
(1,45)	1:A:69:SER:H	1:A:44:LYS:HG3	19	19.57
(1,45)	1:A:69:SER:H	1:B:44:LYS:HG3	19	19.57
(1,45)	1:B:69:SER:H	1:A:44:LYS:HG3	19	19.57
(1,45)	1:B:69:SER:H	1:B:44:LYS:HG3	19	19.57
(1,323)	1:A:41:ILE:HG13	1:A:67:LYS:H	1	19.57
(1,323)	1:A:41:ILE:HG13	1:B:67:LYS:H	1	19.57
(1,323)	1:B:41:ILE:HG13	1:A:67:LYS:H	1	19.57
(1,323)	1:B:41:ILE:HG13	1:B:67:LYS:H	1	19.57
(1,686)	1:A:66:LYS:HG2	1:A:45:ARG:HD2	1	19.56
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD2	1	19.56
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD3	1	19.56
(1,686)	1:B:66:LYS:HG2	1:A:45:ARG:HD2	1	19.56
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD2	1	19.56
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD3	1	19.56
(1,672)	1:A:39:LYS:HG2	1:A:67:LYS:HG2	18	19.56
(1,672)	1:A:39:LYS:HG2	1:B:67:LYS:HG2	18	19.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,672)	1:B:39:LYS:HG2	1:A:67:LYS:HG2	18	19.56
(1,672)	1:B:39:LYS:HG2	1:B:67:LYS:HG2	18	19.56
(1,310)	1:A:41:ILE:HG12	1:A:67:LYS:H	11	19.56
(1,310)	1:A:41:ILE:HG12	1:B:67:LYS:H	11	19.56
(1,310)	1:B:41:ILE:HG12	1:A:67:LYS:H	11	19.56
(1,310)	1:B:41:ILE:HG12	1:B:67:LYS:H	11	19.56
(1,693)	1:A:41:ILE:HG12	1:A:67:LYS:HA	14	19.55
(1,693)	1:A:41:ILE:HG12	1:B:67:LYS:HA	14	19.55
(1,693)	1:B:41:ILE:HG12	1:A:67:LYS:HA	14	19.55
(1,693)	1:B:41:ILE:HG12	1:B:67:LYS:HA	14	19.55
(1,686)	1:A:66:LYS:HG2	1:A:45:ARG:HD2	18	19.55
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD2	18	19.55
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD3	18	19.55
(1,686)	1:B:66:LYS:HG2	1:A:45:ARG:HD2	18	19.55
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD2	18	19.55
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD3	18	19.55
(1,606)	1:A:39:LYS:HD2	1:A:67:LYS:HG3	9	19.55
(1,606)	1:A:39:LYS:HD2	1:B:67:LYS:HG3	9	19.55
(1,606)	1:B:39:LYS:HD2	1:A:67:LYS:HG3	9	19.55
(1,606)	1:B:39:LYS:HD2	1:B:67:LYS:HG3	9	19.55
(1,606)	1:B:39:LYS:HD3	1:A:67:LYS:HG3	9	19.55
(1,606)	1:B:39:LYS:HD3	1:B:67:LYS:HG3	9	19.55
(1,605)	1:A:39:LYS:HD2	1:A:67:LYS:HG2	17	19.55
(1,605)	1:A:39:LYS:HD2	1:B:67:LYS:HG2	17	19.55
(1,605)	1:B:39:LYS:HD2	1:A:67:LYS:HG2	17	19.55
(1,605)	1:B:39:LYS:HD2	1:B:67:LYS:HG2	17	19.55
(1,605)	1:B:39:LYS:HD3	1:A:67:LYS:HG2	17	19.55
(1,605)	1:B:39:LYS:HD3	1:B:67:LYS:HG2	17	19.55
(1,302)	1:A:39:LYS:HD2	1:A:67:LYS:H	20	19.55
(1,302)	1:A:39:LYS:HD2	1:B:67:LYS:H	20	19.55
(1,302)	1:B:39:LYS:HD2	1:A:67:LYS:H	20	19.55
(1,302)	1:B:39:LYS:HD2	1:B:67:LYS:H	20	19.55
(1,302)	1:B:39:LYS:HD3	1:A:67:LYS:H	20	19.55
(1,302)	1:B:39:LYS:HD3	1:B:67:LYS:H	20	19.55
(1,750)	1:A:69:SER:H	1:A:44:LYS:HG2	20	19.54
(1,750)	1:A:69:SER:H	1:B:44:LYS:HG2	20	19.54
(1,750)	1:B:69:SER:H	1:A:44:LYS:HG2	20	19.54
(1,750)	1:B:69:SER:H	1:B:44:LYS:HG2	20	19.54
(1,617)	1:A:39:LYS:HG2	1:A:67:LYS:HG3	13	19.54
(1,617)	1:A:39:LYS:HG2	1:B:67:LYS:HG3	13	19.54
(1,617)	1:B:39:LYS:HG2	1:A:67:LYS:HG3	13	19.54
(1,617)	1:B:39:LYS:HG2	1:B:67:LYS:HG3	13	19.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:A:61:ILE:HB	1:A:36:LYS:HE2	6	19.54
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE2	6	19.54
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE3	6	19.54
(1,579)	1:B:61:ILE:HB	1:A:36:LYS:HE2	6	19.54
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE2	6	19.54
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE3	6	19.54
(1,302)	1:A:39:LYS:HD2	1:A:67:LYS:H	5	19.54
(1,302)	1:A:39:LYS:HD2	1:B:67:LYS:H	5	19.54
(1,302)	1:B:39:LYS:HD2	1:A:67:LYS:H	5	19.54
(1,302)	1:B:39:LYS:HD2	1:B:67:LYS:H	5	19.54
(1,302)	1:B:39:LYS:HD3	1:A:67:LYS:H	5	19.54
(1,302)	1:B:39:LYS:HD3	1:B:67:LYS:H	5	19.54
(1,750)	1:A:69:SER:H	1:A:44:LYS:HG2	3	19.53
(1,750)	1:A:69:SER:H	1:B:44:LYS:HG2	3	19.53
(1,750)	1:B:69:SER:H	1:A:44:LYS:HG2	3	19.53
(1,750)	1:B:69:SER:H	1:B:44:LYS:HG2	3	19.53
(1,750)	1:A:69:SER:H	1:A:44:LYS:HG2	8	19.53
(1,750)	1:A:69:SER:H	1:B:44:LYS:HG2	8	19.53
(1,750)	1:B:69:SER:H	1:A:44:LYS:HG2	8	19.53
(1,750)	1:B:69:SER:H	1:B:44:LYS:HG2	8	19.53
(1,32)	1:A:66:LYS:H	1:A:41:ILE:HG12	15	19.53
(1,32)	1:A:66:LYS:H	1:B:41:ILE:HG12	15	19.53
(1,32)	1:B:66:LYS:H	1:A:41:ILE:HG12	15	19.53
(1,32)	1:B:66:LYS:H	1:B:41:ILE:HG12	15	19.53
(1,301)	1:A:64:ALA:H	1:A:39:LYS:HD2	10	19.52
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD2	10	19.52
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD3	10	19.52
(1,301)	1:B:64:ALA:H	1:A:39:LYS:HD2	10	19.52
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD2	10	19.52
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD3	10	19.52
(1,792)	1:A:69:SER:HG	1:A:44:LYS:HE2	11	19.51
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE2	11	19.51
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE3	11	19.51
(1,792)	1:B:69:SER:HG	1:A:44:LYS:HE2	11	19.51
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE2	11	19.51
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE3	11	19.51
(1,686)	1:A:66:LYS:HG2	1:A:45:ARG:HD2	16	19.51
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD2	16	19.51
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD3	16	19.51
(1,686)	1:B:66:LYS:HG2	1:A:45:ARG:HD2	16	19.51
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD2	16	19.51
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD3	16	19.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:A:69:SER:H	1:A:44:LYS:HG3	2	19.5
(1,45)	1:A:69:SER:H	1:B:44:LYS:HG3	2	19.5
(1,45)	1:B:69:SER:H	1:A:44:LYS:HG3	2	19.5
(1,45)	1:B:69:SER:H	1:B:44:LYS:HG3	2	19.5
(1,686)	1:A:66:LYS:HG2	1:A:45:ARG:HD2	12	19.49
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD2	12	19.49
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD3	12	19.49
(1,686)	1:B:66:LYS:HG2	1:A:45:ARG:HD2	12	19.49
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD2	12	19.49
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD3	12	19.49
(1,301)	1:A:64:ALA:H	1:A:39:LYS:HD2	7	19.49
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD2	7	19.49
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD3	7	19.49
(1,301)	1:B:64:ALA:H	1:A:39:LYS:HD2	7	19.49
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD2	7	19.49
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD3	7	19.49
(1,686)	1:A:66:LYS:HG2	1:A:45:ARG:HD2	5	19.48
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD2	5	19.48
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD3	5	19.48
(1,686)	1:B:66:LYS:HG2	1:A:45:ARG:HD2	5	19.48
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD2	5	19.48
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD3	5	19.48
(1,605)	1:A:39:LYS:HD2	1:A:67:LYS:HG2	18	19.48
(1,605)	1:A:39:LYS:HD2	1:B:67:LYS:HG2	18	19.48
(1,605)	1:B:39:LYS:HD2	1:A:67:LYS:HG2	18	19.48
(1,605)	1:B:39:LYS:HD2	1:B:67:LYS:HG2	18	19.48
(1,605)	1:B:39:LYS:HD3	1:A:67:LYS:HG2	18	19.48
(1,605)	1:B:39:LYS:HD3	1:B:67:LYS:HG2	18	19.48
(1,32)	1:A:66:LYS:H	1:A:41:ILE:HG12	17	19.48
(1,32)	1:A:66:LYS:H	1:B:41:ILE:HG12	17	19.48
(1,32)	1:B:66:LYS:H	1:A:41:ILE:HG12	17	19.48
(1,32)	1:B:66:LYS:H	1:B:41:ILE:HG12	17	19.48
(1,792)	1:A:69:SER:HG	1:A:44:LYS:HE2	12	19.47
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE2	12	19.47
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE3	12	19.47
(1,792)	1:B:69:SER:HG	1:A:44:LYS:HE2	12	19.47
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE2	12	19.47
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE3	12	19.47
(1,694)	1:A:41:ILE:HG13	1:A:67:LYS:HA	16	19.47
(1,694)	1:A:41:ILE:HG13	1:B:67:LYS:HA	16	19.47
(1,694)	1:B:41:ILE:HG13	1:A:67:LYS:HA	16	19.47
(1,694)	1:B:41:ILE:HG13	1:B:67:LYS:HA	16	19.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,693)	1:A:41:ILE:HG12	1:A:67:LYS:HA	10	19.47
(1,693)	1:A:41:ILE:HG12	1:B:67:LYS:HA	10	19.47
(1,693)	1:B:41:ILE:HG12	1:A:67:LYS:HA	10	19.47
(1,693)	1:B:41:ILE:HG12	1:B:67:LYS:HA	10	19.47
(1,302)	1:A:39:LYS:HD2	1:A:67:LYS:H	2	19.47
(1,302)	1:A:39:LYS:HD2	1:B:67:LYS:H	2	19.47
(1,302)	1:B:39:LYS:HD2	1:A:67:LYS:H	2	19.47
(1,302)	1:B:39:LYS:HD2	1:B:67:LYS:H	2	19.47
(1,302)	1:B:39:LYS:HD3	1:A:67:LYS:H	2	19.47
(1,302)	1:B:39:LYS:HD3	1:B:67:LYS:H	2	19.47
(1,323)	1:A:41:ILE:HG13	1:A:67:LYS:H	20	19.46
(1,323)	1:A:41:ILE:HG13	1:B:67:LYS:H	20	19.46
(1,323)	1:B:41:ILE:HG13	1:A:67:LYS:H	20	19.46
(1,323)	1:B:41:ILE:HG13	1:B:67:LYS:H	20	19.46
(1,779)	1:A:64:ALA:HB1	1:A:39:LYS:HG2	7	19.45
(1,779)	1:A:64:ALA:HB1	1:B:39:LYS:HG2	7	19.45
(1,779)	1:A:64:ALA:HB2	1:A:39:LYS:HG2	7	19.45
(1,779)	1:A:64:ALA:HB2	1:B:39:LYS:HG2	7	19.45
(1,779)	1:A:64:ALA:HB3	1:A:39:LYS:HG2	7	19.45
(1,779)	1:A:64:ALA:HB3	1:B:39:LYS:HG2	7	19.45
(1,779)	1:B:64:ALA:HB1	1:A:39:LYS:HG2	7	19.45
(1,779)	1:B:64:ALA:HB1	1:B:39:LYS:HG2	7	19.45
(1,779)	1:B:64:ALA:HB2	1:A:39:LYS:HG2	7	19.45
(1,779)	1:B:64:ALA:HB2	1:B:39:LYS:HG2	7	19.45
(1,779)	1:B:64:ALA:HB3	1:A:39:LYS:HG2	7	19.45
(1,779)	1:B:64:ALA:HB3	1:B:39:LYS:HG2	7	19.45
(1,694)	1:A:41:ILE:HG13	1:A:67:LYS:HA	11	19.45
(1,694)	1:A:41:ILE:HG13	1:B:67:LYS:HA	11	19.45
(1,694)	1:B:41:ILE:HG13	1:A:67:LYS:HA	11	19.45
(1,694)	1:B:41:ILE:HG13	1:B:67:LYS:HA	11	19.45
(1,45)	1:A:69:SER:H	1:A:44:LYS:HG3	5	19.45
(1,45)	1:A:69:SER:H	1:B:44:LYS:HG3	5	19.45
(1,45)	1:B:69:SER:H	1:A:44:LYS:HG3	5	19.45
(1,45)	1:B:69:SER:H	1:B:44:LYS:HG3	5	19.45
(1,45)	1:A:69:SER:H	1:A:44:LYS:HG3	7	19.45
(1,45)	1:A:69:SER:H	1:B:44:LYS:HG3	7	19.45
(1,45)	1:B:69:SER:H	1:A:44:LYS:HG3	7	19.45
(1,45)	1:B:69:SER:H	1:B:44:LYS:HG3	7	19.45
(1,323)	1:A:41:ILE:HG13	1:A:67:LYS:H	10	19.45
(1,323)	1:A:41:ILE:HG13	1:B:67:LYS:H	10	19.45
(1,323)	1:B:41:ILE:HG13	1:A:67:LYS:H	10	19.45
(1,323)	1:B:41:ILE:HG13	1:B:67:LYS:H	10	19.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,792)	1:A:69:SER:HG	1:A:44:LYS:HE2	13	19.44
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE2	13	19.44
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE3	13	19.44
(1,792)	1:B:69:SER:HG	1:A:44:LYS:HE2	13	19.44
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE2	13	19.44
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE3	13	19.44
(1,750)	1:A:69:SER:H	1:A:44:LYS:HG2	5	19.43
(1,750)	1:A:69:SER:H	1:B:44:LYS:HG2	5	19.43
(1,750)	1:B:69:SER:H	1:A:44:LYS:HG2	5	19.43
(1,750)	1:B:69:SER:H	1:B:44:LYS:HG2	5	19.43
(1,45)	1:A:69:SER:H	1:A:44:LYS:HG3	11	19.43
(1,45)	1:A:69:SER:H	1:B:44:LYS:HG3	11	19.43
(1,45)	1:B:69:SER:H	1:A:44:LYS:HG3	11	19.43
(1,45)	1:B:69:SER:H	1:B:44:LYS:HG3	11	19.43
(1,323)	1:A:41:ILE:HG13	1:A:67:LYS:H	7	19.43
(1,323)	1:A:41:ILE:HG13	1:B:67:LYS:H	7	19.43
(1,323)	1:B:41:ILE:HG13	1:A:67:LYS:H	7	19.43
(1,323)	1:B:41:ILE:HG13	1:B:67:LYS:H	7	19.43
(1,310)	1:A:41:ILE:HG12	1:A:67:LYS:H	14	19.43
(1,310)	1:A:41:ILE:HG12	1:B:67:LYS:H	14	19.43
(1,310)	1:B:41:ILE:HG12	1:A:67:LYS:H	14	19.43
(1,310)	1:B:41:ILE:HG12	1:B:67:LYS:H	14	19.43
(1,773)	1:A:63:ASP:H	1:A:39:LYS:HG2	16	19.42
(1,773)	1:A:63:ASP:H	1:B:39:LYS:HG2	16	19.42
(1,773)	1:B:63:ASP:H	1:A:39:LYS:HG2	16	19.42
(1,773)	1:B:63:ASP:H	1:B:39:LYS:HG2	16	19.42
(1,310)	1:A:41:ILE:HG12	1:A:67:LYS:H	1	19.41
(1,310)	1:A:41:ILE:HG12	1:B:67:LYS:H	1	19.41
(1,310)	1:B:41:ILE:HG12	1:A:67:LYS:H	1	19.41
(1,310)	1:B:41:ILE:HG12	1:B:67:LYS:H	1	19.41
(1,773)	1:A:63:ASP:H	1:A:39:LYS:HG2	4	19.4
(1,773)	1:A:63:ASP:H	1:B:39:LYS:HG2	4	19.4
(1,773)	1:B:63:ASP:H	1:A:39:LYS:HG2	4	19.4
(1,773)	1:B:63:ASP:H	1:B:39:LYS:HG2	4	19.4
(1,302)	1:A:39:LYS:HD2	1:A:67:LYS:H	12	19.39
(1,302)	1:A:39:LYS:HD2	1:B:67:LYS:H	12	19.39
(1,302)	1:B:39:LYS:HD2	1:A:67:LYS:H	12	19.39
(1,302)	1:B:39:LYS:HD2	1:B:67:LYS:H	12	19.39
(1,302)	1:B:39:LYS:HD3	1:A:67:LYS:H	12	19.39
(1,302)	1:B:39:LYS:HD3	1:B:67:LYS:H	12	19.39
(1,617)	1:A:39:LYS:HG2	1:A:67:LYS:HG3	8	19.38
(1,617)	1:A:39:LYS:HG2	1:B:67:LYS:HG3	8	19.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,617)	1:B:39:LYS:HG2	1:A:67:LYS:HG3	8	19.38
(1,617)	1:B:39:LYS:HG2	1:B:67:LYS:HG3	8	19.38
(1,328)	1:A:69:SER:H	1:A:44:LYS:HE2	10	19.38
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE2	10	19.38
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE3	10	19.38
(1,328)	1:B:69:SER:H	1:A:44:LYS:HE2	10	19.38
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE2	10	19.38
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE3	10	19.38
(1,328)	1:A:69:SER:H	1:A:44:LYS:HE2	14	19.38
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE2	14	19.38
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE3	14	19.38
(1,328)	1:B:69:SER:H	1:A:44:LYS:HE2	14	19.38
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE2	14	19.38
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE3	14	19.38
(1,773)	1:A:63:ASP:H	1:A:39:LYS:HG2	2	19.36
(1,773)	1:A:63:ASP:H	1:B:39:LYS:HG2	2	19.36
(1,773)	1:B:63:ASP:H	1:A:39:LYS:HG2	2	19.36
(1,773)	1:B:63:ASP:H	1:B:39:LYS:HG2	2	19.36
(1,310)	1:A:41:ILE:HG12	1:A:67:LYS:H	20	19.36
(1,310)	1:A:41:ILE:HG12	1:B:67:LYS:H	20	19.36
(1,310)	1:B:41:ILE:HG12	1:A:67:LYS:H	20	19.36
(1,310)	1:B:41:ILE:HG12	1:B:67:LYS:H	20	19.36
(1,779)	1:A:64:ALA:HB1	1:A:39:LYS:HG2	1	19.35
(1,779)	1:A:64:ALA:HB1	1:B:39:LYS:HG2	1	19.35
(1,779)	1:A:64:ALA:HB2	1:A:39:LYS:HG2	1	19.35
(1,779)	1:A:64:ALA:HB2	1:B:39:LYS:HG2	1	19.35
(1,779)	1:A:64:ALA:HB3	1:A:39:LYS:HG2	1	19.35
(1,779)	1:A:64:ALA:HB3	1:B:39:LYS:HG2	1	19.35
(1,779)	1:B:64:ALA:HB1	1:A:39:LYS:HG2	1	19.35
(1,779)	1:B:64:ALA:HB1	1:B:39:LYS:HG2	1	19.35
(1,779)	1:B:64:ALA:HB2	1:A:39:LYS:HG2	1	19.35
(1,779)	1:B:64:ALA:HB2	1:B:39:LYS:HG2	1	19.35
(1,779)	1:B:64:ALA:HB3	1:A:39:LYS:HG2	1	19.35
(1,779)	1:B:64:ALA:HB3	1:B:39:LYS:HG2	1	19.35
(1,677)	1:A:39:LYS:HG3	1:A:67:LYS:HG3	9	19.35
(1,677)	1:A:39:LYS:HG3	1:B:67:LYS:HG3	9	19.35
(1,677)	1:B:39:LYS:HG3	1:A:67:LYS:HG3	9	19.35
(1,677)	1:B:39:LYS:HG3	1:B:67:LYS:HG3	9	19.35
(1,328)	1:A:69:SER:H	1:A:44:LYS:HE2	15	19.35
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE2	15	19.35
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE3	15	19.35
(1,328)	1:B:69:SER:H	1:A:44:LYS:HE2	15	19.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE2	15	19.35
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE3	15	19.35
(1,780)	1:A:64:ALA:HB1	1:A:39:LYS:HE2	19	19.34
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE2	19	19.34
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE3	19	19.34
(1,780)	1:A:64:ALA:HB2	1:A:39:LYS:HE2	19	19.34
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE2	19	19.34
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE3	19	19.34
(1,780)	1:A:64:ALA:HB3	1:A:39:LYS:HE2	19	19.34
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE2	19	19.34
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE3	19	19.34
(1,780)	1:B:64:ALA:HB1	1:A:39:LYS:HE2	19	19.34
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE2	19	19.34
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE3	19	19.34
(1,780)	1:B:64:ALA:HB2	1:A:39:LYS:HE2	19	19.34
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE2	19	19.34
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE3	19	19.34
(1,780)	1:B:64:ALA:HB3	1:A:39:LYS:HE2	19	19.34
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE2	19	19.34
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE3	19	19.34
(1,605)	1:A:39:LYS:HD2	1:A:67:LYS:HG2	3	19.34
(1,605)	1:A:39:LYS:HD2	1:B:67:LYS:HG2	3	19.34
(1,605)	1:B:39:LYS:HD2	1:A:67:LYS:HG2	3	19.34
(1,605)	1:B:39:LYS:HD2	1:B:67:LYS:HG2	3	19.34
(1,605)	1:B:39:LYS:HD3	1:A:67:LYS:HG2	3	19.34
(1,605)	1:B:39:LYS:HD3	1:B:67:LYS:HG2	3	19.34
(1,328)	1:A:69:SER:H	1:A:44:LYS:HE2	5	19.34
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE2	5	19.34
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE3	5	19.34
(1,328)	1:B:69:SER:H	1:A:44:LYS:HE2	5	19.34
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE2	5	19.34
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE3	5	19.34
(1,323)	1:A:41:ILE:HG13	1:A:67:LYS:H	18	19.34
(1,323)	1:A:41:ILE:HG13	1:B:67:LYS:H	18	19.34
(1,323)	1:B:41:ILE:HG13	1:A:67:LYS:H	18	19.34
(1,323)	1:B:41:ILE:HG13	1:B:67:LYS:H	18	19.34
(1,21)	1:A:64:ALA:H	1:A:39:LYS:HE2	6	19.34
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE2	6	19.34
(1,21)	1:A:64:ALA:H	1:B:39:LYS:HE3	6	19.34
(1,21)	1:B:64:ALA:H	1:A:39:LYS:HE2	6	19.34
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE2	6	19.34
(1,21)	1:B:64:ALA:H	1:B:39:LYS:HE3	6	19.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:A:39:LYS:HG3	1:A:67:LYS:HG2	9	19.33
(1,611)	1:A:39:LYS:HG3	1:B:67:LYS:HG2	9	19.33
(1,611)	1:B:39:LYS:HG3	1:A:67:LYS:HG2	9	19.33
(1,611)	1:B:39:LYS:HG3	1:B:67:LYS:HG2	9	19.33
(1,547)	1:A:65:LEU:HA	1:A:43:GLU:HG2	2	19.33
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG2	2	19.33
(1,547)	1:A:65:LEU:HA	1:B:43:GLU:HG3	2	19.33
(1,547)	1:B:65:LEU:HA	1:A:43:GLU:HG2	2	19.33
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG2	2	19.33
(1,547)	1:B:65:LEU:HA	1:B:43:GLU:HG3	2	19.33
(1,773)	1:A:63:ASP:H	1:A:39:LYS:HG2	14	19.32
(1,773)	1:A:63:ASP:H	1:B:39:LYS:HG2	14	19.32
(1,773)	1:B:63:ASP:H	1:A:39:LYS:HG2	14	19.32
(1,773)	1:B:63:ASP:H	1:B:39:LYS:HG2	14	19.32
(1,611)	1:A:39:LYS:HG3	1:A:67:LYS:HG2	17	19.32
(1,611)	1:A:39:LYS:HG3	1:B:67:LYS:HG2	17	19.32
(1,611)	1:B:39:LYS:HG3	1:A:67:LYS:HG2	17	19.32
(1,611)	1:B:39:LYS:HG3	1:B:67:LYS:HG2	17	19.32
(1,310)	1:A:41:ILE:HG12	1:A:67:LYS:H	18	19.32
(1,310)	1:A:41:ILE:HG12	1:B:67:LYS:H	18	19.32
(1,310)	1:B:41:ILE:HG12	1:A:67:LYS:H	18	19.32
(1,310)	1:B:41:ILE:HG12	1:B:67:LYS:H	18	19.32
(1,750)	1:A:69:SER:H	1:A:44:LYS:HG2	13	19.31
(1,750)	1:A:69:SER:H	1:B:44:LYS:HG2	13	19.31
(1,750)	1:B:69:SER:H	1:A:44:LYS:HG2	13	19.31
(1,750)	1:B:69:SER:H	1:B:44:LYS:HG2	13	19.31
(1,694)	1:A:41:ILE:HG13	1:A:67:LYS:HA	3	19.31
(1,694)	1:A:41:ILE:HG13	1:B:67:LYS:HA	3	19.31
(1,694)	1:B:41:ILE:HG13	1:A:67:LYS:HA	3	19.31
(1,694)	1:B:41:ILE:HG13	1:B:67:LYS:HA	3	19.31
(1,686)	1:A:66:LYS:HG2	1:A:45:ARG:HD2	14	19.31
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD2	14	19.31
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD3	14	19.31
(1,686)	1:B:66:LYS:HG2	1:A:45:ARG:HD2	14	19.31
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD2	14	19.31
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD3	14	19.31
(1,617)	1:A:39:LYS:HG2	1:A:67:LYS:HG3	4	19.31
(1,617)	1:A:39:LYS:HG2	1:B:67:LYS:HG3	4	19.31
(1,617)	1:B:39:LYS:HG2	1:A:67:LYS:HG3	4	19.31
(1,617)	1:B:39:LYS:HG2	1:B:67:LYS:HG3	4	19.31
(1,786)	1:A:39:LYS:HE2	1:A:65:LEU:HG	6	19.3
(1,786)	1:A:39:LYS:HE2	1:B:65:LEU:HG	6	19.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,786)	1:B:39:LYS:HE2	1:A:65:LEU:HG	6	19.3
(1,786)	1:B:39:LYS:HE2	1:B:65:LEU:HG	6	19.3
(1,786)	1:B:39:LYS:HE3	1:A:65:LEU:HG	6	19.3
(1,786)	1:B:39:LYS:HE3	1:B:65:LEU:HG	6	19.3
(1,779)	1:A:64:ALA:HB1	1:A:39:LYS:HG2	10	19.3
(1,779)	1:A:64:ALA:HB1	1:B:39:LYS:HG2	10	19.3
(1,779)	1:A:64:ALA:HB2	1:A:39:LYS:HG2	10	19.3
(1,779)	1:A:64:ALA:HB2	1:B:39:LYS:HG2	10	19.3
(1,779)	1:A:64:ALA:HB3	1:A:39:LYS:HG2	10	19.3
(1,779)	1:A:64:ALA:HB3	1:B:39:LYS:HG2	10	19.3
(1,779)	1:B:64:ALA:HB1	1:A:39:LYS:HG2	10	19.3
(1,779)	1:B:64:ALA:HB1	1:B:39:LYS:HG2	10	19.3
(1,779)	1:B:64:ALA:HB2	1:A:39:LYS:HG2	10	19.3
(1,779)	1:B:64:ALA:HB2	1:B:39:LYS:HG2	10	19.3
(1,779)	1:B:64:ALA:HB3	1:A:39:LYS:HG2	10	19.3
(1,779)	1:B:64:ALA:HB3	1:B:39:LYS:HG2	10	19.3
(1,310)	1:A:41:ILE:HG12	1:A:67:LYS:H	7	19.3
(1,310)	1:A:41:ILE:HG12	1:B:67:LYS:H	7	19.3
(1,310)	1:B:41:ILE:HG12	1:A:67:LYS:H	7	19.3
(1,310)	1:B:41:ILE:HG12	1:B:67:LYS:H	7	19.3
(1,686)	1:A:66:LYS:HG2	1:A:45:ARG:HD2	11	19.29
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD2	11	19.29
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD3	11	19.29
(1,686)	1:B:66:LYS:HG2	1:A:45:ARG:HD2	11	19.29
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD2	11	19.29
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD3	11	19.29
(1,672)	1:A:39:LYS:HG2	1:A:67:LYS:HG2	20	19.29
(1,672)	1:A:39:LYS:HG2	1:B:67:LYS:HG2	20	19.29
(1,672)	1:B:39:LYS:HG2	1:A:67:LYS:HG2	20	19.29
(1,672)	1:B:39:LYS:HG2	1:B:67:LYS:HG2	20	19.29
(1,779)	1:A:64:ALA:HB1	1:A:39:LYS:HG2	6	19.28
(1,779)	1:A:64:ALA:HB1	1:B:39:LYS:HG2	6	19.28
(1,779)	1:A:64:ALA:HB2	1:A:39:LYS:HG2	6	19.28
(1,779)	1:A:64:ALA:HB2	1:B:39:LYS:HG2	6	19.28
(1,779)	1:A:64:ALA:HB3	1:A:39:LYS:HG2	6	19.28
(1,779)	1:A:64:ALA:HB3	1:B:39:LYS:HG2	6	19.28
(1,779)	1:B:64:ALA:HB1	1:A:39:LYS:HG2	6	19.28
(1,779)	1:B:64:ALA:HB1	1:B:39:LYS:HG2	6	19.28
(1,779)	1:B:64:ALA:HB2	1:A:39:LYS:HG2	6	19.28
(1,779)	1:B:64:ALA:HB2	1:B:39:LYS:HG2	6	19.28
(1,779)	1:B:64:ALA:HB3	1:A:39:LYS:HG2	6	19.28
(1,779)	1:B:64:ALA:HB3	1:B:39:LYS:HG2	6	19.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,606)	1:A:39:LYS:HD2	1:A:67:LYS:HG3	18	19.28
(1,606)	1:A:39:LYS:HD2	1:B:67:LYS:HG3	18	19.28
(1,606)	1:B:39:LYS:HD2	1:A:67:LYS:HG3	18	19.28
(1,606)	1:B:39:LYS:HD2	1:B:67:LYS:HG3	18	19.28
(1,606)	1:B:39:LYS:HD3	1:A:67:LYS:HG3	18	19.28
(1,606)	1:B:39:LYS:HD3	1:B:67:LYS:HG3	18	19.28
(1,605)	1:A:39:LYS:HD2	1:A:67:LYS:HG2	13	19.27
(1,605)	1:A:39:LYS:HD2	1:B:67:LYS:HG2	13	19.27
(1,605)	1:B:39:LYS:HD2	1:A:67:LYS:HG2	13	19.27
(1,605)	1:B:39:LYS:HD2	1:B:67:LYS:HG2	13	19.27
(1,605)	1:B:39:LYS:HD3	1:A:67:LYS:HG2	13	19.27
(1,605)	1:B:39:LYS:HD3	1:B:67:LYS:HG2	13	19.27
(1,773)	1:A:63:ASP:H	1:A:39:LYS:HG2	15	19.26
(1,773)	1:A:63:ASP:H	1:B:39:LYS:HG2	15	19.26
(1,773)	1:B:63:ASP:H	1:A:39:LYS:HG2	15	19.26
(1,773)	1:B:63:ASP:H	1:B:39:LYS:HG2	15	19.26
(1,792)	1:A:69:SER:HG	1:A:44:LYS:HE2	19	19.25
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE2	19	19.25
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE3	19	19.25
(1,792)	1:B:69:SER:HG	1:A:44:LYS:HE2	19	19.25
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE2	19	19.25
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE3	19	19.25
(1,792)	1:A:69:SER:HG	1:A:44:LYS:HE2	20	19.25
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE2	20	19.25
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE3	20	19.25
(1,792)	1:B:69:SER:HG	1:A:44:LYS:HE2	20	19.25
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE2	20	19.25
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE3	20	19.25
(1,434)	1:A:63:ASP:HB2	1:A:39:LYS:HG2	9	19.24
(1,434)	1:A:63:ASP:HB2	1:B:39:LYS:HG2	9	19.24
(1,434)	1:A:63:ASP:HB3	1:A:39:LYS:HG2	9	19.24
(1,434)	1:A:63:ASP:HB3	1:B:39:LYS:HG2	9	19.24
(1,434)	1:B:63:ASP:HB2	1:A:39:LYS:HG2	9	19.24
(1,434)	1:B:63:ASP:HB2	1:B:39:LYS:HG2	9	19.24
(1,434)	1:B:63:ASP:HB3	1:A:39:LYS:HG2	9	19.24
(1,434)	1:B:63:ASP:HB3	1:B:39:LYS:HG2	9	19.24
(1,672)	1:A:39:LYS:HG2	1:A:67:LYS:HG2	17	19.23
(1,672)	1:A:39:LYS:HG2	1:B:67:LYS:HG2	17	19.23
(1,672)	1:B:39:LYS:HG2	1:A:67:LYS:HG2	17	19.23
(1,672)	1:B:39:LYS:HG2	1:B:67:LYS:HG2	17	19.23
(1,434)	1:A:63:ASP:HB2	1:A:39:LYS:HG2	19	19.23
(1,434)	1:A:63:ASP:HB2	1:B:39:LYS:HG2	19	19.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,434)	1:A:63:ASP:HB3	1:A:39:LYS:HG2	19	19.23
(1,434)	1:A:63:ASP:HB3	1:B:39:LYS:HG2	19	19.23
(1,434)	1:B:63:ASP:HB2	1:A:39:LYS:HG2	19	19.23
(1,434)	1:B:63:ASP:HB2	1:B:39:LYS:HG2	19	19.23
(1,434)	1:B:63:ASP:HB3	1:A:39:LYS:HG2	19	19.23
(1,434)	1:B:63:ASP:HB3	1:B:39:LYS:HG2	19	19.23
(1,677)	1:A:39:LYS:HG3	1:A:67:LYS:HG3	13	19.22
(1,677)	1:A:39:LYS:HG3	1:B:67:LYS:HG3	13	19.22
(1,677)	1:B:39:LYS:HG3	1:A:67:LYS:HG3	13	19.22
(1,677)	1:B:39:LYS:HG3	1:B:67:LYS:HG3	13	19.22
(1,565)	1:A:66:LYS:HA	1:A:44:LYS:HE2	13	19.22
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE2	13	19.22
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE3	13	19.22
(1,565)	1:B:66:LYS:HA	1:A:44:LYS:HE2	13	19.22
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE2	13	19.22
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE3	13	19.22
(1,310)	1:A:41:ILE:HG12	1:A:67:LYS:H	10	19.22
(1,310)	1:A:41:ILE:HG12	1:B:67:LYS:H	10	19.22
(1,310)	1:B:41:ILE:HG12	1:A:67:LYS:H	10	19.22
(1,310)	1:B:41:ILE:HG12	1:B:67:LYS:H	10	19.22
(1,686)	1:A:66:LYS:HG2	1:A:45:ARG:HD2	10	19.2
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD2	10	19.2
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD3	10	19.2
(1,686)	1:B:66:LYS:HG2	1:A:45:ARG:HD2	10	19.2
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD2	10	19.2
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD3	10	19.2
(1,617)	1:A:39:LYS:HG2	1:A:67:LYS:HG3	5	19.19
(1,617)	1:A:39:LYS:HG2	1:B:67:LYS:HG3	5	19.19
(1,617)	1:B:39:LYS:HG2	1:A:67:LYS:HG3	5	19.19
(1,617)	1:B:39:LYS:HG2	1:B:67:LYS:HG3	5	19.19
(1,605)	1:A:39:LYS:HD2	1:A:67:LYS:HG2	4	19.19
(1,605)	1:A:39:LYS:HD2	1:B:67:LYS:HG2	4	19.19
(1,605)	1:B:39:LYS:HD2	1:A:67:LYS:HG2	4	19.19
(1,605)	1:B:39:LYS:HD2	1:B:67:LYS:HG2	4	19.19
(1,605)	1:B:39:LYS:HD3	1:A:67:LYS:HG2	4	19.19
(1,605)	1:B:39:LYS:HD3	1:B:67:LYS:HG2	4	19.19
(1,686)	1:A:66:LYS:HG2	1:A:45:ARG:HD2	7	19.18
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD2	7	19.18
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD3	7	19.18
(1,686)	1:B:66:LYS:HG2	1:A:45:ARG:HD2	7	19.18
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD2	7	19.18
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD3	7	19.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,694)	1:A:41:ILE:HG13	1:A:67:LYS:HA	1	19.15
(1,694)	1:A:41:ILE:HG13	1:B:67:LYS:HA	1	19.15
(1,694)	1:B:41:ILE:HG13	1:A:67:LYS:HA	1	19.15
(1,694)	1:B:41:ILE:HG13	1:B:67:LYS:HA	1	19.15
(1,693)	1:A:41:ILE:HG12	1:A:67:LYS:HA	15	19.15
(1,693)	1:A:41:ILE:HG12	1:B:67:LYS:HA	15	19.15
(1,693)	1:B:41:ILE:HG12	1:A:67:LYS:HA	15	19.15
(1,693)	1:B:41:ILE:HG12	1:B:67:LYS:HA	15	19.15
(1,301)	1:A:64:ALA:H	1:A:39:LYS:HD2	1	19.15
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD2	1	19.15
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD3	1	19.15
(1,301)	1:B:64:ALA:H	1:A:39:LYS:HD2	1	19.15
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD2	1	19.15
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD3	1	19.15
(1,686)	1:A:66:LYS:HG2	1:A:45:ARG:HD2	15	19.14
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD2	15	19.14
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD3	15	19.14
(1,686)	1:B:66:LYS:HG2	1:A:45:ARG:HD2	15	19.14
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD2	15	19.14
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD3	15	19.14
(1,328)	1:A:69:SER:H	1:A:44:LYS:HE2	9	19.14
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE2	9	19.14
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE3	9	19.14
(1,328)	1:B:69:SER:H	1:A:44:LYS:HE2	9	19.14
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE2	9	19.14
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE3	9	19.14
(1,773)	1:A:63:ASP:H	1:A:39:LYS:HG2	11	19.13
(1,773)	1:A:63:ASP:H	1:B:39:LYS:HG2	11	19.13
(1,773)	1:B:63:ASP:H	1:A:39:LYS:HG2	11	19.13
(1,773)	1:B:63:ASP:H	1:B:39:LYS:HG2	11	19.13
(1,750)	1:A:69:SER:H	1:A:44:LYS:HG2	4	19.13
(1,750)	1:A:69:SER:H	1:B:44:LYS:HG2	4	19.13
(1,750)	1:B:69:SER:H	1:A:44:LYS:HG2	4	19.13
(1,750)	1:B:69:SER:H	1:B:44:LYS:HG2	4	19.13
(1,441)	1:A:68:ASP:HA	1:A:43:GLU:HG2	8	19.11
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG2	8	19.11
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG3	8	19.11
(1,441)	1:B:68:ASP:HA	1:A:43:GLU:HG2	8	19.11
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG2	8	19.11
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG3	8	19.11
(1,302)	1:A:39:LYS:HD2	1:A:67:LYS:H	11	19.11
(1,302)	1:A:39:LYS:HD2	1:B:67:LYS:H	11	19.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:B:39:LYS:HD2	1:A:67:LYS:H	11	19.11
(1,302)	1:B:39:LYS:HD2	1:B:67:LYS:H	11	19.11
(1,302)	1:B:39:LYS:HD3	1:A:67:LYS:H	11	19.11
(1,302)	1:B:39:LYS:HD3	1:B:67:LYS:H	11	19.11
(1,773)	1:A:63:ASP:H	1:A:39:LYS:HG2	12	19.1
(1,773)	1:A:63:ASP:H	1:B:39:LYS:HG2	12	19.1
(1,773)	1:B:63:ASP:H	1:A:39:LYS:HG2	12	19.1
(1,773)	1:B:63:ASP:H	1:B:39:LYS:HG2	12	19.1
(1,750)	1:A:69:SER:H	1:A:44:LYS:HG2	14	19.1
(1,750)	1:A:69:SER:H	1:B:44:LYS:HG2	14	19.1
(1,750)	1:B:69:SER:H	1:A:44:LYS:HG2	14	19.1
(1,750)	1:B:69:SER:H	1:B:44:LYS:HG2	14	19.1
(1,780)	1:A:64:ALA:HB1	1:A:39:LYS:HE2	13	19.09
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE2	13	19.09
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE3	13	19.09
(1,780)	1:A:64:ALA:HB2	1:A:39:LYS:HE2	13	19.09
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE2	13	19.09
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE3	13	19.09
(1,780)	1:A:64:ALA:HB3	1:A:39:LYS:HE2	13	19.09
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE2	13	19.09
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE3	13	19.09
(1,780)	1:B:64:ALA:HB1	1:A:39:LYS:HE2	13	19.09
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE2	13	19.09
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE3	13	19.09
(1,780)	1:B:64:ALA:HB2	1:A:39:LYS:HE2	13	19.09
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE2	13	19.09
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE3	13	19.09
(1,780)	1:B:64:ALA:HB3	1:A:39:LYS:HE2	13	19.09
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE2	13	19.09
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE3	13	19.09
(1,694)	1:A:41:ILE:HG13	1:A:67:LYS:HA	18	19.09
(1,694)	1:A:41:ILE:HG13	1:B:67:LYS:HA	18	19.09
(1,694)	1:B:41:ILE:HG13	1:A:67:LYS:HA	18	19.09
(1,694)	1:B:41:ILE:HG13	1:B:67:LYS:HA	18	19.09
(1,686)	1:A:66:LYS:HG2	1:A:45:ARG:HD2	6	19.09
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD2	6	19.09
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD3	6	19.09
(1,686)	1:B:66:LYS:HG2	1:A:45:ARG:HD2	6	19.09
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD2	6	19.09
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD3	6	19.09
(1,45)	1:A:69:SER:H	1:A:44:LYS:HG3	14	19.09
(1,45)	1:A:69:SER:H	1:B:44:LYS:HG3	14	19.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:B:69:SER:H	1:A:44:LYS:HG3	14	19.09
(1,45)	1:B:69:SER:H	1:B:44:LYS:HG3	14	19.09
(1,441)	1:A:68:ASP:HA	1:A:43:GLU:HG2	4	19.09
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG2	4	19.09
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG3	4	19.09
(1,441)	1:B:68:ASP:HA	1:A:43:GLU:HG2	4	19.09
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG2	4	19.09
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG3	4	19.09
(1,441)	1:A:68:ASP:HA	1:A:43:GLU:HG2	6	19.09
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG2	6	19.09
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG3	6	19.09
(1,441)	1:B:68:ASP:HA	1:A:43:GLU:HG2	6	19.09
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG2	6	19.09
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG3	6	19.09
(1,328)	1:A:69:SER:H	1:A:44:LYS:HE2	2	19.09
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE2	2	19.09
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE3	2	19.09
(1,328)	1:B:69:SER:H	1:A:44:LYS:HE2	2	19.09
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE2	2	19.09
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE3	2	19.09
(1,750)	1:A:69:SER:H	1:A:44:LYS:HG2	1	19.08
(1,750)	1:A:69:SER:H	1:B:44:LYS:HG2	1	19.08
(1,750)	1:B:69:SER:H	1:A:44:LYS:HG2	1	19.08
(1,750)	1:B:69:SER:H	1:B:44:LYS:HG2	1	19.08
(1,694)	1:A:41:ILE:HG13	1:A:67:LYS:HA	7	19.08
(1,694)	1:A:41:ILE:HG13	1:B:67:LYS:HA	7	19.08
(1,694)	1:B:41:ILE:HG13	1:A:67:LYS:HA	7	19.08
(1,694)	1:B:41:ILE:HG13	1:B:67:LYS:HA	7	19.08
(1,672)	1:A:39:LYS:HG2	1:A:67:LYS:HG2	4	19.08
(1,672)	1:A:39:LYS:HG2	1:B:67:LYS:HG2	4	19.08
(1,672)	1:B:39:LYS:HG2	1:A:67:LYS:HG2	4	19.08
(1,672)	1:B:39:LYS:HG2	1:B:67:LYS:HG2	4	19.08
(1,565)	1:A:66:LYS:HA	1:A:44:LYS:HE2	7	19.08
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE2	7	19.08
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE3	7	19.08
(1,565)	1:B:66:LYS:HA	1:A:44:LYS:HE2	7	19.08
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE2	7	19.08
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE3	7	19.08
(1,792)	1:A:69:SER:HG	1:A:44:LYS:HE2	1	19.07
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE2	1	19.07
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE3	1	19.07
(1,792)	1:B:69:SER:HG	1:A:44:LYS:HE2	1	19.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE2	1	19.07
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE3	1	19.07
(1,750)	1:A:69:SER:H	1:A:44:LYS:HG2	2	19.07
(1,750)	1:A:69:SER:H	1:B:44:LYS:HG2	2	19.07
(1,750)	1:B:69:SER:H	1:A:44:LYS:HG2	2	19.07
(1,750)	1:B:69:SER:H	1:B:44:LYS:HG2	2	19.07
(1,328)	1:A:69:SER:H	1:A:44:LYS:HE2	6	19.07
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE2	6	19.07
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE3	6	19.07
(1,328)	1:B:69:SER:H	1:A:44:LYS:HE2	6	19.07
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE2	6	19.07
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE3	6	19.07
(1,302)	1:A:39:LYS:HD2	1:A:67:LYS:H	7	19.07
(1,302)	1:A:39:LYS:HD2	1:B:67:LYS:H	7	19.07
(1,302)	1:B:39:LYS:HD2	1:A:67:LYS:H	7	19.07
(1,302)	1:B:39:LYS:HD2	1:B:67:LYS:H	7	19.07
(1,302)	1:B:39:LYS:HD3	1:A:67:LYS:H	7	19.07
(1,302)	1:B:39:LYS:HD3	1:B:67:LYS:H	7	19.07
(1,780)	1:A:64:ALA:HB1	1:A:39:LYS:HE2	8	19.06
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE2	8	19.06
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE3	8	19.06
(1,780)	1:A:64:ALA:HB2	1:A:39:LYS:HE2	8	19.06
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE2	8	19.06
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE3	8	19.06
(1,780)	1:A:64:ALA:HB3	1:A:39:LYS:HE2	8	19.06
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE2	8	19.06
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE3	8	19.06
(1,780)	1:B:64:ALA:HB1	1:A:39:LYS:HE2	8	19.06
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE2	8	19.06
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE3	8	19.06
(1,780)	1:B:64:ALA:HB2	1:A:39:LYS:HE2	8	19.06
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE2	8	19.06
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE3	8	19.06
(1,780)	1:B:64:ALA:HB3	1:A:39:LYS:HE2	8	19.06
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE2	8	19.06
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE3	8	19.06
(1,750)	1:A:69:SER:H	1:A:44:LYS:HG2	9	19.05
(1,750)	1:A:69:SER:H	1:B:44:LYS:HG2	9	19.05
(1,750)	1:B:69:SER:H	1:A:44:LYS:HG2	9	19.05
(1,750)	1:B:69:SER:H	1:B:44:LYS:HG2	9	19.05
(1,677)	1:A:39:LYS:HG3	1:A:67:LYS:HG3	18	19.05
(1,677)	1:A:39:LYS:HG3	1:B:67:LYS:HG3	18	19.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,677)	1:B:39:LYS:HG3	1:A:67:LYS:HG3	18	19.05
(1,677)	1:B:39:LYS:HG3	1:B:67:LYS:HG3	18	19.05
(1,672)	1:A:39:LYS:HG2	1:A:67:LYS:HG2	5	19.05
(1,672)	1:A:39:LYS:HG2	1:B:67:LYS:HG2	5	19.05
(1,672)	1:B:39:LYS:HG2	1:A:67:LYS:HG2	5	19.05
(1,672)	1:B:39:LYS:HG2	1:B:67:LYS:HG2	5	19.05
(1,565)	1:A:66:LYS:HA	1:A:44:LYS:HE2	12	19.05
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE2	12	19.05
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE3	12	19.05
(1,565)	1:B:66:LYS:HA	1:A:44:LYS:HE2	12	19.05
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE2	12	19.05
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE3	12	19.05
(1,677)	1:A:39:LYS:HG3	1:A:67:LYS:HG3	4	19.04
(1,677)	1:A:39:LYS:HG3	1:B:67:LYS:HG3	4	19.04
(1,677)	1:B:39:LYS:HG3	1:A:67:LYS:HG3	4	19.04
(1,677)	1:B:39:LYS:HG3	1:B:67:LYS:HG3	4	19.04
(1,434)	1:A:63:ASP:HB2	1:A:39:LYS:HG2	18	19.04
(1,434)	1:A:63:ASP:HB2	1:B:39:LYS:HG2	18	19.04
(1,434)	1:A:63:ASP:HB3	1:A:39:LYS:HG2	18	19.04
(1,434)	1:A:63:ASP:HB3	1:B:39:LYS:HG2	18	19.04
(1,434)	1:B:63:ASP:HB2	1:A:39:LYS:HG2	18	19.04
(1,434)	1:B:63:ASP:HB2	1:B:39:LYS:HG2	18	19.04
(1,434)	1:B:63:ASP:HB3	1:A:39:LYS:HG2	18	19.04
(1,434)	1:B:63:ASP:HB3	1:B:39:LYS:HG2	18	19.04
(1,677)	1:A:39:LYS:HG3	1:A:67:LYS:HG3	20	19.03
(1,677)	1:A:39:LYS:HG3	1:B:67:LYS:HG3	20	19.03
(1,677)	1:B:39:LYS:HG3	1:A:67:LYS:HG3	20	19.03
(1,677)	1:B:39:LYS:HG3	1:B:67:LYS:HG3	20	19.03
(1,441)	1:A:68:ASP:HA	1:A:43:GLU:HG2	20	19.03
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG2	20	19.03
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG3	20	19.03
(1,441)	1:B:68:ASP:HA	1:A:43:GLU:HG2	20	19.03
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG2	20	19.03
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG3	20	19.03
(1,750)	1:A:69:SER:H	1:A:44:LYS:HG2	10	19.02
(1,750)	1:A:69:SER:H	1:B:44:LYS:HG2	10	19.02
(1,750)	1:B:69:SER:H	1:A:44:LYS:HG2	10	19.02
(1,750)	1:B:69:SER:H	1:B:44:LYS:HG2	10	19.02
(1,611)	1:A:39:LYS:HG3	1:A:67:LYS:HG2	18	19.02
(1,611)	1:A:39:LYS:HG3	1:B:67:LYS:HG2	18	19.02
(1,611)	1:B:39:LYS:HG3	1:A:67:LYS:HG2	18	19.02
(1,611)	1:B:39:LYS:HG3	1:B:67:LYS:HG2	18	19.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:A:64:ALA:HB1	1:A:39:LYS:HE2	3	19.01
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE2	3	19.01
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE3	3	19.01
(1,780)	1:A:64:ALA:HB2	1:A:39:LYS:HE2	3	19.01
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE2	3	19.01
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE3	3	19.01
(1,780)	1:A:64:ALA:HB3	1:A:39:LYS:HE2	3	19.01
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE2	3	19.01
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE3	3	19.01
(1,780)	1:B:64:ALA:HB1	1:A:39:LYS:HE2	3	19.01
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE2	3	19.01
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE3	3	19.01
(1,780)	1:B:64:ALA:HB2	1:A:39:LYS:HE2	3	19.01
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE2	3	19.01
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE3	3	19.01
(1,780)	1:B:64:ALA:HB3	1:A:39:LYS:HE2	3	19.01
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE2	3	19.01
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE3	3	19.01
(1,672)	1:A:39:LYS:HG2	1:A:67:LYS:HG2	3	19.01
(1,672)	1:A:39:LYS:HG2	1:B:67:LYS:HG2	3	19.01
(1,672)	1:B:39:LYS:HG2	1:A:67:LYS:HG2	3	19.01
(1,672)	1:B:39:LYS:HG2	1:B:67:LYS:HG2	3	19.01
(1,694)	1:A:41:ILE:HG13	1:A:67:LYS:HA	14	19.0
(1,694)	1:A:41:ILE:HG13	1:B:67:LYS:HA	14	19.0
(1,694)	1:B:41:ILE:HG13	1:A:67:LYS:HA	14	19.0
(1,694)	1:B:41:ILE:HG13	1:B:67:LYS:HA	14	19.0
(1,694)	1:A:41:ILE:HG13	1:A:67:LYS:HA	20	19.0
(1,694)	1:A:41:ILE:HG13	1:B:67:LYS:HA	20	19.0
(1,694)	1:B:41:ILE:HG13	1:A:67:LYS:HA	20	19.0
(1,694)	1:B:41:ILE:HG13	1:B:67:LYS:HA	20	19.0
(1,617)	1:A:39:LYS:HG2	1:A:67:LYS:HG3	17	19.0
(1,617)	1:A:39:LYS:HG2	1:B:67:LYS:HG3	17	19.0
(1,617)	1:B:39:LYS:HG2	1:A:67:LYS:HG3	17	19.0
(1,617)	1:B:39:LYS:HG2	1:B:67:LYS:HG3	17	19.0
(1,45)	1:A:69:SER:H	1:A:44:LYS:HG3	10	19.0
(1,45)	1:A:69:SER:H	1:B:44:LYS:HG3	10	19.0
(1,45)	1:B:69:SER:H	1:A:44:LYS:HG3	10	19.0
(1,45)	1:B:69:SER:H	1:B:44:LYS:HG3	10	19.0
(1,328)	1:A:69:SER:H	1:A:44:LYS:HE2	3	19.0
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE2	3	19.0
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE3	3	19.0
(1,328)	1:B:69:SER:H	1:A:44:LYS:HE2	3	19.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE2	3	19.0
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE3	3	19.0
(1,694)	1:A:41:ILE:HG13	1:A:67:LYS:HA	10	18.99
(1,694)	1:A:41:ILE:HG13	1:B:67:LYS:HA	10	18.99
(1,694)	1:B:41:ILE:HG13	1:A:67:LYS:HA	10	18.99
(1,694)	1:B:41:ILE:HG13	1:B:67:LYS:HA	10	18.99
(1,434)	1:A:63:ASP:HB2	1:A:39:LYS:HG2	3	18.99
(1,434)	1:A:63:ASP:HB2	1:B:39:LYS:HG2	3	18.99
(1,434)	1:A:63:ASP:HB3	1:A:39:LYS:HG2	3	18.99
(1,434)	1:A:63:ASP:HB3	1:B:39:LYS:HG2	3	18.99
(1,434)	1:B:63:ASP:HB2	1:A:39:LYS:HG2	3	18.99
(1,434)	1:B:63:ASP:HB2	1:B:39:LYS:HG2	3	18.99
(1,434)	1:B:63:ASP:HB3	1:A:39:LYS:HG2	3	18.99
(1,434)	1:B:63:ASP:HB3	1:B:39:LYS:HG2	3	18.99
(1,328)	1:A:69:SER:H	1:A:44:LYS:HE2	19	18.98
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE2	19	18.98
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE3	19	18.98
(1,328)	1:B:69:SER:H	1:A:44:LYS:HE2	19	18.98
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE2	19	18.98
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE3	19	18.98
(1,686)	1:A:66:LYS:HG2	1:A:45:ARG:HD2	20	18.97
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD2	20	18.97
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD3	20	18.97
(1,686)	1:B:66:LYS:HG2	1:A:45:ARG:HD2	20	18.97
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD2	20	18.97
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD3	20	18.97
(1,694)	1:A:41:ILE:HG13	1:A:67:LYS:HA	17	18.96
(1,694)	1:A:41:ILE:HG13	1:B:67:LYS:HA	17	18.96
(1,694)	1:B:41:ILE:HG13	1:A:67:LYS:HA	17	18.96
(1,694)	1:B:41:ILE:HG13	1:B:67:LYS:HA	17	18.96
(1,611)	1:A:39:LYS:HG3	1:A:67:LYS:HG2	4	18.96
(1,611)	1:A:39:LYS:HG3	1:B:67:LYS:HG2	4	18.96
(1,611)	1:B:39:LYS:HG3	1:A:67:LYS:HG2	4	18.96
(1,611)	1:B:39:LYS:HG3	1:B:67:LYS:HG2	4	18.96
(1,323)	1:A:41:ILE:HG13	1:A:67:LYS:H	17	18.96
(1,323)	1:A:41:ILE:HG13	1:B:67:LYS:H	17	18.96
(1,323)	1:B:41:ILE:HG13	1:A:67:LYS:H	17	18.96
(1,323)	1:B:41:ILE:HG13	1:B:67:LYS:H	17	18.96
(1,773)	1:A:63:ASP:H	1:A:39:LYS:HG2	7	18.95
(1,773)	1:A:63:ASP:H	1:B:39:LYS:HG2	7	18.95
(1,773)	1:B:63:ASP:H	1:A:39:LYS:HG2	7	18.95
(1,773)	1:B:63:ASP:H	1:B:39:LYS:HG2	7	18.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,750)	1:A:69:SER:H	1:A:44:LYS:HG2	7	18.95
(1,750)	1:A:69:SER:H	1:B:44:LYS:HG2	7	18.95
(1,750)	1:B:69:SER:H	1:A:44:LYS:HG2	7	18.95
(1,750)	1:B:69:SER:H	1:B:44:LYS:HG2	7	18.95
(1,606)	1:A:39:LYS:HD2	1:A:67:LYS:HG3	4	18.95
(1,606)	1:A:39:LYS:HD2	1:B:67:LYS:HG3	4	18.95
(1,606)	1:B:39:LYS:HD2	1:A:67:LYS:HG3	4	18.95
(1,606)	1:B:39:LYS:HD2	1:B:67:LYS:HG3	4	18.95
(1,606)	1:B:39:LYS:HD3	1:A:67:LYS:HG3	4	18.95
(1,606)	1:B:39:LYS:HD3	1:B:67:LYS:HG3	4	18.95
(1,45)	1:A:69:SER:H	1:A:44:LYS:HG3	17	18.95
(1,45)	1:A:69:SER:H	1:B:44:LYS:HG3	17	18.95
(1,45)	1:B:69:SER:H	1:A:44:LYS:HG3	17	18.95
(1,45)	1:B:69:SER:H	1:B:44:LYS:HG3	17	18.95
(1,606)	1:A:39:LYS:HD2	1:A:67:LYS:HG3	17	18.94
(1,606)	1:A:39:LYS:HD2	1:B:67:LYS:HG3	17	18.94
(1,606)	1:B:39:LYS:HD2	1:A:67:LYS:HG3	17	18.94
(1,606)	1:B:39:LYS:HD2	1:B:67:LYS:HG3	17	18.94
(1,606)	1:B:39:LYS:HD3	1:A:67:LYS:HG3	17	18.94
(1,606)	1:B:39:LYS:HD3	1:B:67:LYS:HG3	17	18.94
(1,302)	1:A:39:LYS:HD2	1:A:67:LYS:H	15	18.94
(1,302)	1:A:39:LYS:HD2	1:B:67:LYS:H	15	18.94
(1,302)	1:B:39:LYS:HD2	1:A:67:LYS:H	15	18.94
(1,302)	1:B:39:LYS:HD2	1:B:67:LYS:H	15	18.94
(1,302)	1:B:39:LYS:HD3	1:A:67:LYS:H	15	18.94
(1,302)	1:B:39:LYS:HD3	1:B:67:LYS:H	15	18.94
(1,310)	1:A:41:ILE:HG12	1:A:67:LYS:H	17	18.93
(1,310)	1:A:41:ILE:HG12	1:B:67:LYS:H	17	18.93
(1,310)	1:B:41:ILE:HG12	1:A:67:LYS:H	17	18.93
(1,310)	1:B:41:ILE:HG12	1:B:67:LYS:H	17	18.93
(1,605)	1:A:39:LYS:HD2	1:A:67:LYS:HG2	5	18.91
(1,605)	1:A:39:LYS:HD2	1:B:67:LYS:HG2	5	18.91
(1,605)	1:B:39:LYS:HD2	1:A:67:LYS:HG2	5	18.91
(1,605)	1:B:39:LYS:HD2	1:B:67:LYS:HG2	5	18.91
(1,605)	1:B:39:LYS:HD3	1:A:67:LYS:HG2	5	18.91
(1,605)	1:B:39:LYS:HD3	1:B:67:LYS:HG2	5	18.91
(1,45)	1:A:69:SER:H	1:A:44:LYS:HG3	9	18.91
(1,45)	1:A:69:SER:H	1:B:44:LYS:HG3	9	18.91
(1,45)	1:B:69:SER:H	1:A:44:LYS:HG3	9	18.91
(1,45)	1:B:69:SER:H	1:B:44:LYS:HG3	9	18.91
(1,328)	1:A:69:SER:H	1:A:44:LYS:HE2	18	18.91
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE2	18	18.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE3	18	18.91
(1,328)	1:B:69:SER:H	1:A:44:LYS:HE2	18	18.91
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE2	18	18.91
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE3	18	18.91
(1,45)	1:A:69:SER:H	1:A:44:LYS:HG3	16	18.89
(1,45)	1:A:69:SER:H	1:B:44:LYS:HG3	16	18.89
(1,45)	1:B:69:SER:H	1:A:44:LYS:HG3	16	18.89
(1,45)	1:B:69:SER:H	1:B:44:LYS:HG3	16	18.89
(1,45)	1:A:69:SER:H	1:A:44:LYS:HG3	18	18.89
(1,45)	1:A:69:SER:H	1:B:44:LYS:HG3	18	18.89
(1,45)	1:B:69:SER:H	1:A:44:LYS:HG3	18	18.89
(1,45)	1:B:69:SER:H	1:B:44:LYS:HG3	18	18.89
(1,328)	1:A:69:SER:H	1:A:44:LYS:HE2	11	18.89
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE2	11	18.89
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE3	11	18.89
(1,328)	1:B:69:SER:H	1:A:44:LYS:HE2	11	18.89
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE2	11	18.89
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE3	11	18.89
(1,323)	1:A:41:ILE:HG13	1:A:67:LYS:H	15	18.89
(1,323)	1:A:41:ILE:HG13	1:B:67:LYS:H	15	18.89
(1,323)	1:B:41:ILE:HG13	1:A:67:LYS:H	15	18.89
(1,323)	1:B:41:ILE:HG13	1:B:67:LYS:H	15	18.89
(1,780)	1:A:64:ALA:HB1	1:A:39:LYS:HE2	4	18.88
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE2	4	18.88
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE3	4	18.88
(1,780)	1:A:64:ALA:HB2	1:A:39:LYS:HE2	4	18.88
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE2	4	18.88
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE3	4	18.88
(1,780)	1:A:64:ALA:HB3	1:A:39:LYS:HE2	4	18.88
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE2	4	18.88
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE3	4	18.88
(1,780)	1:B:64:ALA:HB1	1:A:39:LYS:HE2	4	18.88
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE2	4	18.88
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE3	4	18.88
(1,780)	1:B:64:ALA:HB2	1:A:39:LYS:HE2	4	18.88
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE2	4	18.88
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE3	4	18.88
(1,780)	1:B:64:ALA:HB3	1:A:39:LYS:HE2	4	18.88
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE2	4	18.88
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE3	4	18.88
(1,617)	1:A:39:LYS:HG2	1:A:67:LYS:HG3	14	18.88
(1,617)	1:A:39:LYS:HG2	1:B:67:LYS:HG3	14	18.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,617)	1:B:39:LYS:HG2	1:A:67:LYS:HG3	14	18.88
(1,617)	1:B:39:LYS:HG2	1:B:67:LYS:HG3	14	18.88
(1,434)	1:A:63:ASP:HB2	1:A:39:LYS:HG2	8	18.88
(1,434)	1:A:63:ASP:HB2	1:B:39:LYS:HG2	8	18.88
(1,434)	1:A:63:ASP:HB3	1:A:39:LYS:HG2	8	18.88
(1,434)	1:A:63:ASP:HB3	1:B:39:LYS:HG2	8	18.88
(1,434)	1:B:63:ASP:HB2	1:A:39:LYS:HG2	8	18.88
(1,434)	1:B:63:ASP:HB2	1:B:39:LYS:HG2	8	18.88
(1,434)	1:B:63:ASP:HB3	1:A:39:LYS:HG2	8	18.88
(1,434)	1:B:63:ASP:HB3	1:B:39:LYS:HG2	8	18.88
(1,750)	1:A:69:SER:H	1:A:44:LYS:HG2	11	18.87
(1,750)	1:A:69:SER:H	1:B:44:LYS:HG2	11	18.87
(1,750)	1:B:69:SER:H	1:A:44:LYS:HG2	11	18.87
(1,750)	1:B:69:SER:H	1:B:44:LYS:HG2	11	18.87
(1,434)	1:A:63:ASP:HB2	1:A:39:LYS:HG2	13	18.87
(1,434)	1:A:63:ASP:HB2	1:B:39:LYS:HG2	13	18.87
(1,434)	1:A:63:ASP:HB3	1:A:39:LYS:HG2	13	18.87
(1,434)	1:A:63:ASP:HB3	1:B:39:LYS:HG2	13	18.87
(1,434)	1:B:63:ASP:HB2	1:A:39:LYS:HG2	13	18.87
(1,434)	1:B:63:ASP:HB2	1:B:39:LYS:HG2	13	18.87
(1,434)	1:B:63:ASP:HB3	1:A:39:LYS:HG2	13	18.87
(1,434)	1:B:63:ASP:HB3	1:B:39:LYS:HG2	13	18.87
(1,677)	1:A:39:LYS:HG3	1:A:67:LYS:HG3	17	18.86
(1,677)	1:A:39:LYS:HG3	1:B:67:LYS:HG3	17	18.86
(1,677)	1:B:39:LYS:HG3	1:A:67:LYS:HG3	17	18.86
(1,677)	1:B:39:LYS:HG3	1:B:67:LYS:HG3	17	18.86
(1,441)	1:A:68:ASP:HA	1:A:43:GLU:HG2	18	18.85
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG2	18	18.85
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG3	18	18.85
(1,441)	1:B:68:ASP:HA	1:A:43:GLU:HG2	18	18.85
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG2	18	18.85
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG3	18	18.85
(1,672)	1:A:39:LYS:HG2	1:A:67:LYS:HG2	13	18.84
(1,672)	1:A:39:LYS:HG2	1:B:67:LYS:HG2	13	18.84
(1,672)	1:B:39:LYS:HG2	1:A:67:LYS:HG2	13	18.84
(1,672)	1:B:39:LYS:HG2	1:B:67:LYS:HG2	13	18.84
(1,441)	1:A:68:ASP:HA	1:A:43:GLU:HG2	3	18.84
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG2	3	18.84
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG3	3	18.84
(1,441)	1:B:68:ASP:HA	1:A:43:GLU:HG2	3	18.84
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG2	3	18.84
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG3	3	18.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,434)	1:A:63:ASP:HB2	1:A:39:LYS:HG2	5	18.84
(1,434)	1:A:63:ASP:HB2	1:B:39:LYS:HG2	5	18.84
(1,434)	1:A:63:ASP:HB3	1:A:39:LYS:HG2	5	18.84
(1,434)	1:A:63:ASP:HB3	1:B:39:LYS:HG2	5	18.84
(1,434)	1:B:63:ASP:HB2	1:A:39:LYS:HG2	5	18.84
(1,434)	1:B:63:ASP:HB2	1:B:39:LYS:HG2	5	18.84
(1,434)	1:B:63:ASP:HB3	1:A:39:LYS:HG2	5	18.84
(1,434)	1:B:63:ASP:HB3	1:B:39:LYS:HG2	5	18.84
(1,310)	1:A:41:ILE:HG12	1:A:67:LYS:H	15	18.84
(1,310)	1:A:41:ILE:HG12	1:B:67:LYS:H	15	18.84
(1,310)	1:B:41:ILE:HG12	1:A:67:LYS:H	15	18.84
(1,310)	1:B:41:ILE:HG12	1:B:67:LYS:H	15	18.84
(1,611)	1:A:39:LYS:HG3	1:A:67:LYS:HG2	3	18.83
(1,611)	1:A:39:LYS:HG3	1:B:67:LYS:HG2	3	18.83
(1,611)	1:B:39:LYS:HG3	1:A:67:LYS:HG2	3	18.83
(1,611)	1:B:39:LYS:HG3	1:B:67:LYS:HG2	3	18.83
(1,606)	1:A:39:LYS:HD2	1:A:67:LYS:HG3	14	18.83
(1,606)	1:A:39:LYS:HD2	1:B:67:LYS:HG3	14	18.83
(1,606)	1:B:39:LYS:HD2	1:A:67:LYS:HG3	14	18.83
(1,606)	1:B:39:LYS:HD2	1:B:67:LYS:HG3	14	18.83
(1,606)	1:B:39:LYS:HD3	1:A:67:LYS:HG3	14	18.83
(1,606)	1:B:39:LYS:HD3	1:B:67:LYS:HG3	14	18.83
(1,677)	1:A:39:LYS:HG3	1:A:67:LYS:HG3	5	18.82
(1,677)	1:A:39:LYS:HG3	1:B:67:LYS:HG3	5	18.82
(1,677)	1:B:39:LYS:HG3	1:A:67:LYS:HG3	5	18.82
(1,677)	1:B:39:LYS:HG3	1:B:67:LYS:HG3	5	18.82
(1,611)	1:A:39:LYS:HG3	1:A:67:LYS:HG2	5	18.82
(1,611)	1:A:39:LYS:HG3	1:B:67:LYS:HG2	5	18.82
(1,611)	1:B:39:LYS:HG3	1:A:67:LYS:HG2	5	18.82
(1,611)	1:B:39:LYS:HG3	1:B:67:LYS:HG2	5	18.82
(1,441)	1:A:68:ASP:HA	1:A:43:GLU:HG2	19	18.81
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG2	19	18.81
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG3	19	18.81
(1,441)	1:B:68:ASP:HA	1:A:43:GLU:HG2	19	18.81
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG2	19	18.81
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG3	19	18.81
(1,686)	1:A:66:LYS:HG2	1:A:45:ARG:HD2	17	18.79
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD2	17	18.79
(1,686)	1:A:66:LYS:HG2	1:B:45:ARG:HD3	17	18.79
(1,686)	1:B:66:LYS:HG2	1:A:45:ARG:HD2	17	18.79
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD2	17	18.79
(1,686)	1:B:66:LYS:HG2	1:B:45:ARG:HD3	17	18.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:A:39:LYS:HG3	1:A:67:LYS:HG2	20	18.79
(1,611)	1:A:39:LYS:HG3	1:B:67:LYS:HG2	20	18.79
(1,611)	1:B:39:LYS:HG3	1:A:67:LYS:HG2	20	18.79
(1,611)	1:B:39:LYS:HG3	1:B:67:LYS:HG2	20	18.79
(1,328)	1:A:69:SER:H	1:A:44:LYS:HE2	16	18.79
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE2	16	18.79
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE3	16	18.79
(1,328)	1:B:69:SER:H	1:A:44:LYS:HE2	16	18.79
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE2	16	18.79
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE3	16	18.79
(1,792)	1:A:69:SER:HG	1:A:44:LYS:HE2	4	18.78
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE2	4	18.78
(1,792)	1:A:69:SER:HG	1:B:44:LYS:HE3	4	18.78
(1,792)	1:B:69:SER:HG	1:A:44:LYS:HE2	4	18.78
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE2	4	18.78
(1,792)	1:B:69:SER:HG	1:B:44:LYS:HE3	4	18.78
(1,515)	1:A:36:LYS:HE2	1:A:62:LEU:H	6	18.78
(1,515)	1:A:36:LYS:HE2	1:B:62:LEU:H	6	18.78
(1,515)	1:B:36:LYS:HE2	1:A:62:LEU:H	6	18.78
(1,515)	1:B:36:LYS:HE2	1:B:62:LEU:H	6	18.78
(1,515)	1:B:36:LYS:HE3	1:A:62:LEU:H	6	18.78
(1,515)	1:B:36:LYS:HE3	1:B:62:LEU:H	6	18.78
(1,465)	1:A:61:ILE:HA	1:A:36:LYS:HE2	18	18.78
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE2	18	18.78
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE3	18	18.78
(1,465)	1:B:61:ILE:HA	1:A:36:LYS:HE2	18	18.78
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE2	18	18.78
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE3	18	18.78
(1,45)	1:A:69:SER:H	1:A:44:LYS:HG3	15	18.78
(1,45)	1:A:69:SER:H	1:B:44:LYS:HG3	15	18.78
(1,45)	1:B:69:SER:H	1:A:44:LYS:HG3	15	18.78
(1,45)	1:B:69:SER:H	1:B:44:LYS:HG3	15	18.78
(1,780)	1:A:64:ALA:HB1	1:A:39:LYS:HE2	17	18.77
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE2	17	18.77
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE3	17	18.77
(1,780)	1:A:64:ALA:HB2	1:A:39:LYS:HE2	17	18.77
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE2	17	18.77
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE3	17	18.77
(1,780)	1:A:64:ALA:HB3	1:A:39:LYS:HE2	17	18.77
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE2	17	18.77
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE3	17	18.77
(1,780)	1:B:64:ALA:HB1	1:A:39:LYS:HE2	17	18.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE2	17	18.77
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE3	17	18.77
(1,780)	1:B:64:ALA:HB2	1:A:39:LYS:HE2	17	18.77
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE2	17	18.77
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE3	17	18.77
(1,780)	1:B:64:ALA:HB3	1:A:39:LYS:HE2	17	18.77
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE2	17	18.77
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE3	17	18.77
(1,780)	1:A:64:ALA:HB1	1:A:39:LYS:HE2	2	18.76
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE2	2	18.76
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE3	2	18.76
(1,780)	1:A:64:ALA:HB2	1:A:39:LYS:HE2	2	18.76
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE2	2	18.76
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE3	2	18.76
(1,780)	1:A:64:ALA:HB3	1:A:39:LYS:HE2	2	18.76
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE2	2	18.76
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE3	2	18.76
(1,780)	1:B:64:ALA:HB1	1:A:39:LYS:HE2	2	18.76
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE2	2	18.76
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE3	2	18.76
(1,780)	1:B:64:ALA:HB2	1:A:39:LYS:HE2	2	18.76
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE2	2	18.76
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE3	2	18.76
(1,780)	1:B:64:ALA:HB3	1:A:39:LYS:HE2	2	18.76
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE2	2	18.76
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE3	2	18.76
(1,780)	1:A:64:ALA:HB1	1:A:39:LYS:HE2	15	18.76
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE2	15	18.76
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE3	15	18.76
(1,780)	1:A:64:ALA:HB2	1:A:39:LYS:HE2	15	18.76
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE2	15	18.76
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE3	15	18.76
(1,780)	1:A:64:ALA:HB3	1:A:39:LYS:HE2	15	18.76
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE2	15	18.76
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE3	15	18.76
(1,780)	1:B:64:ALA:HB1	1:A:39:LYS:HE2	15	18.76
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE2	15	18.76
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE3	15	18.76
(1,780)	1:B:64:ALA:HB2	1:A:39:LYS:HE2	15	18.76
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE2	15	18.76
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE3	15	18.76
(1,780)	1:B:64:ALA:HB3	1:A:39:LYS:HE2	15	18.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE2	15	18.76
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE3	15	18.76
(1,750)	1:A:69:SER:H	1:A:44:LYS:HG2	16	18.76
(1,750)	1:A:69:SER:H	1:B:44:LYS:HG2	16	18.76
(1,750)	1:B:69:SER:H	1:A:44:LYS:HG2	16	18.76
(1,750)	1:B:69:SER:H	1:B:44:LYS:HG2	16	18.76
(1,605)	1:A:39:LYS:HD2	1:A:67:LYS:HG2	16	18.76
(1,605)	1:A:39:LYS:HD2	1:B:67:LYS:HG2	16	18.76
(1,605)	1:B:39:LYS:HD2	1:A:67:LYS:HG2	16	18.76
(1,605)	1:B:39:LYS:HD2	1:B:67:LYS:HG2	16	18.76
(1,605)	1:B:39:LYS:HD3	1:A:67:LYS:HG2	16	18.76
(1,605)	1:B:39:LYS:HD3	1:B:67:LYS:HG2	16	18.76
(1,750)	1:A:69:SER:H	1:A:44:LYS:HG2	15	18.75
(1,750)	1:A:69:SER:H	1:B:44:LYS:HG2	15	18.75
(1,750)	1:B:69:SER:H	1:A:44:LYS:HG2	15	18.75
(1,750)	1:B:69:SER:H	1:B:44:LYS:HG2	15	18.75
(1,605)	1:A:39:LYS:HD2	1:A:67:LYS:HG2	20	18.75
(1,605)	1:A:39:LYS:HD2	1:B:67:LYS:HG2	20	18.75
(1,605)	1:B:39:LYS:HD2	1:A:67:LYS:HG2	20	18.75
(1,605)	1:B:39:LYS:HD2	1:B:67:LYS:HG2	20	18.75
(1,605)	1:B:39:LYS:HD3	1:A:67:LYS:HG2	20	18.75
(1,605)	1:B:39:LYS:HD3	1:B:67:LYS:HG2	20	18.75
(1,328)	1:A:69:SER:H	1:A:44:LYS:HE2	4	18.75
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE2	4	18.75
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE3	4	18.75
(1,328)	1:B:69:SER:H	1:A:44:LYS:HE2	4	18.75
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE2	4	18.75
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE3	4	18.75
(1,297)	1:A:70:SER:H	1:A:45:ARG:HG3	12	18.75
(1,297)	1:A:70:SER:H	1:B:45:ARG:HG3	12	18.75
(1,297)	1:B:70:SER:H	1:A:45:ARG:HG3	12	18.75
(1,297)	1:B:70:SER:H	1:B:45:ARG:HG3	12	18.75
(1,773)	1:A:63:ASP:H	1:A:39:LYS:HG2	6	18.74
(1,773)	1:A:63:ASP:H	1:B:39:LYS:HG2	6	18.74
(1,773)	1:B:63:ASP:H	1:A:39:LYS:HG2	6	18.74
(1,773)	1:B:63:ASP:H	1:B:39:LYS:HG2	6	18.74
(1,617)	1:A:39:LYS:HG2	1:A:67:LYS:HG3	11	18.74
(1,617)	1:A:39:LYS:HG2	1:B:67:LYS:HG3	11	18.74
(1,617)	1:B:39:LYS:HG2	1:A:67:LYS:HG3	11	18.74
(1,617)	1:B:39:LYS:HG2	1:B:67:LYS:HG3	11	18.74
(1,328)	1:A:69:SER:H	1:A:44:LYS:HE2	17	18.73
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE2	17	18.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE3	17	18.73
(1,328)	1:B:69:SER:H	1:A:44:LYS:HE2	17	18.73
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE2	17	18.73
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE3	17	18.73
(1,677)	1:A:39:LYS:HG3	1:A:67:LYS:HG3	8	18.72
(1,677)	1:A:39:LYS:HG3	1:B:67:LYS:HG3	8	18.72
(1,677)	1:B:39:LYS:HG3	1:A:67:LYS:HG3	8	18.72
(1,677)	1:B:39:LYS:HG3	1:B:67:LYS:HG3	8	18.72
(1,605)	1:A:39:LYS:HD2	1:A:67:LYS:HG2	2	18.72
(1,605)	1:A:39:LYS:HD2	1:B:67:LYS:HG2	2	18.72
(1,605)	1:B:39:LYS:HD2	1:A:67:LYS:HG2	2	18.72
(1,605)	1:B:39:LYS:HD2	1:B:67:LYS:HG2	2	18.72
(1,605)	1:B:39:LYS:HD3	1:A:67:LYS:HG2	2	18.72
(1,605)	1:B:39:LYS:HD3	1:B:67:LYS:HG2	2	18.72
(1,780)	1:A:64:ALA:HB1	1:A:39:LYS:HE2	16	18.71
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE2	16	18.71
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE3	16	18.71
(1,780)	1:A:64:ALA:HB2	1:A:39:LYS:HE2	16	18.71
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE2	16	18.71
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE3	16	18.71
(1,780)	1:A:64:ALA:HB3	1:A:39:LYS:HE2	16	18.71
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE2	16	18.71
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE3	16	18.71
(1,780)	1:B:64:ALA:HB1	1:A:39:LYS:HE2	16	18.71
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE2	16	18.71
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE3	16	18.71
(1,780)	1:B:64:ALA:HB2	1:A:39:LYS:HE2	16	18.71
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE2	16	18.71
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE3	16	18.71
(1,780)	1:B:64:ALA:HB3	1:A:39:LYS:HE2	16	18.71
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE2	16	18.71
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE3	16	18.71
(1,611)	1:A:39:LYS:HG3	1:A:67:LYS:HG2	6	18.71
(1,611)	1:A:39:LYS:HG3	1:B:67:LYS:HG2	6	18.71
(1,611)	1:B:39:LYS:HG3	1:A:67:LYS:HG2	6	18.71
(1,611)	1:B:39:LYS:HG3	1:B:67:LYS:HG2	6	18.71
(1,297)	1:A:70:SER:H	1:A:45:ARG:HG3	2	18.71
(1,297)	1:A:70:SER:H	1:B:45:ARG:HG3	2	18.71
(1,297)	1:B:70:SER:H	1:A:45:ARG:HG3	2	18.71
(1,297)	1:B:70:SER:H	1:B:45:ARG:HG3	2	18.71
(1,605)	1:A:39:LYS:HD2	1:A:67:LYS:HG2	12	18.7
(1,605)	1:A:39:LYS:HD2	1:B:67:LYS:HG2	12	18.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,605)	1:B:39:LYS:HD2	1:A:67:LYS:HG2	12	18.7
(1,605)	1:B:39:LYS:HD2	1:B:67:LYS:HG2	12	18.7
(1,605)	1:B:39:LYS:HD3	1:A:67:LYS:HG2	12	18.7
(1,605)	1:B:39:LYS:HD3	1:B:67:LYS:HG2	12	18.7
(1,434)	1:A:63:ASP:HB2	1:A:39:LYS:HG2	20	18.7
(1,434)	1:A:63:ASP:HB2	1:B:39:LYS:HG2	20	18.7
(1,434)	1:A:63:ASP:HB3	1:A:39:LYS:HG2	20	18.7
(1,434)	1:A:63:ASP:HB3	1:B:39:LYS:HG2	20	18.7
(1,434)	1:B:63:ASP:HB2	1:A:39:LYS:HG2	20	18.7
(1,434)	1:B:63:ASP:HB2	1:B:39:LYS:HG2	20	18.7
(1,434)	1:B:63:ASP:HB3	1:A:39:LYS:HG2	20	18.7
(1,434)	1:B:63:ASP:HB3	1:B:39:LYS:HG2	20	18.7
(1,515)	1:A:36:LYS:HE2	1:A:62:LEU:H	9	18.69
(1,515)	1:A:36:LYS:HE2	1:B:62:LEU:H	9	18.69
(1,515)	1:B:36:LYS:HE2	1:A:62:LEU:H	9	18.69
(1,515)	1:B:36:LYS:HE2	1:B:62:LEU:H	9	18.69
(1,515)	1:B:36:LYS:HE3	1:A:62:LEU:H	9	18.69
(1,515)	1:B:36:LYS:HE3	1:B:62:LEU:H	9	18.69
(1,606)	1:A:39:LYS:HD2	1:A:67:LYS:HG3	20	18.68
(1,606)	1:A:39:LYS:HD2	1:B:67:LYS:HG3	20	18.68
(1,606)	1:B:39:LYS:HD2	1:A:67:LYS:HG3	20	18.68
(1,606)	1:B:39:LYS:HD2	1:B:67:LYS:HG3	20	18.68
(1,606)	1:B:39:LYS:HD3	1:A:67:LYS:HG3	20	18.68
(1,606)	1:B:39:LYS:HD3	1:B:67:LYS:HG3	20	18.68
(1,441)	1:A:68:ASP:HA	1:A:43:GLU:HG2	5	18.68
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG2	5	18.68
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG3	5	18.68
(1,441)	1:B:68:ASP:HA	1:A:43:GLU:HG2	5	18.68
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG2	5	18.68
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG3	5	18.68
(1,441)	1:A:68:ASP:HA	1:A:43:GLU:HG2	14	18.68
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG2	14	18.68
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG3	14	18.68
(1,441)	1:B:68:ASP:HA	1:A:43:GLU:HG2	14	18.68
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG2	14	18.68
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG3	14	18.68
(1,780)	1:A:64:ALA:HB1	1:A:39:LYS:HE2	5	18.67
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE2	5	18.67
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE3	5	18.67
(1,780)	1:A:64:ALA:HB2	1:A:39:LYS:HE2	5	18.67
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE2	5	18.67
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE3	5	18.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:A:64:ALA:HB3	1:A:39:LYS:HE2	5	18.67
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE2	5	18.67
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE3	5	18.67
(1,780)	1:B:64:ALA:HB1	1:A:39:LYS:HE2	5	18.67
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE2	5	18.67
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE3	5	18.67
(1,780)	1:B:64:ALA:HB2	1:A:39:LYS:HE2	5	18.67
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE2	5	18.67
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE3	5	18.67
(1,780)	1:B:64:ALA:HB3	1:A:39:LYS:HE2	5	18.67
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE2	5	18.67
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE3	5	18.67
(1,773)	1:A:63:ASP:H	1:A:39:LYS:HG2	10	18.67
(1,773)	1:A:63:ASP:H	1:B:39:LYS:HG2	10	18.67
(1,773)	1:B:63:ASP:H	1:A:39:LYS:HG2	10	18.67
(1,773)	1:B:63:ASP:H	1:B:39:LYS:HG2	10	18.67
(1,604)	1:A:61:ILE:HD11	1:A:36:LYS:HE2	8	18.67
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE2	8	18.67
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE3	8	18.67
(1,604)	1:A:61:ILE:HD12	1:A:36:LYS:HE2	8	18.67
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE2	8	18.67
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE3	8	18.67
(1,604)	1:A:61:ILE:HD13	1:A:36:LYS:HE2	8	18.67
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE2	8	18.67
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE3	8	18.67
(1,604)	1:B:61:ILE:HD11	1:A:36:LYS:HE2	8	18.67
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE2	8	18.67
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE3	8	18.67
(1,604)	1:B:61:ILE:HD12	1:A:36:LYS:HE2	8	18.67
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE2	8	18.67
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE3	8	18.67
(1,604)	1:B:61:ILE:HD13	1:A:36:LYS:HE2	8	18.67
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE2	8	18.67
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE3	8	18.67
(1,434)	1:A:63:ASP:HB2	1:A:39:LYS:HG2	4	18.67
(1,434)	1:A:63:ASP:HB2	1:B:39:LYS:HG2	4	18.67
(1,434)	1:A:63:ASP:HB3	1:A:39:LYS:HG2	4	18.67
(1,434)	1:A:63:ASP:HB3	1:B:39:LYS:HG2	4	18.67
(1,434)	1:B:63:ASP:HB2	1:A:39:LYS:HG2	4	18.67
(1,434)	1:B:63:ASP:HB2	1:B:39:LYS:HG2	4	18.67
(1,434)	1:B:63:ASP:HB3	1:A:39:LYS:HG2	4	18.67
(1,434)	1:B:63:ASP:HB3	1:B:39:LYS:HG2	4	18.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,297)	1:A:70:SER:H	1:A:45:ARG:HG3	9	18.67
(1,297)	1:A:70:SER:H	1:B:45:ARG:HG3	9	18.67
(1,297)	1:B:70:SER:H	1:A:45:ARG:HG3	9	18.67
(1,297)	1:B:70:SER:H	1:B:45:ARG:HG3	9	18.67
(1,780)	1:A:64:ALA:HB1	1:A:39:LYS:HE2	9	18.66
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE2	9	18.66
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE3	9	18.66
(1,780)	1:A:64:ALA:HB2	1:A:39:LYS:HE2	9	18.66
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE2	9	18.66
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE3	9	18.66
(1,780)	1:A:64:ALA:HB3	1:A:39:LYS:HE2	9	18.66
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE2	9	18.66
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE3	9	18.66
(1,780)	1:B:64:ALA:HB1	1:A:39:LYS:HE2	9	18.66
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE2	9	18.66
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE3	9	18.66
(1,780)	1:B:64:ALA:HB2	1:A:39:LYS:HE2	9	18.66
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE2	9	18.66
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE3	9	18.66
(1,780)	1:B:64:ALA:HB3	1:A:39:LYS:HE2	9	18.66
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE2	9	18.66
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE3	9	18.66
(1,606)	1:A:39:LYS:HD2	1:A:67:LYS:HG3	5	18.66
(1,606)	1:A:39:LYS:HD2	1:B:67:LYS:HG3	5	18.66
(1,606)	1:B:39:LYS:HD2	1:A:67:LYS:HG3	5	18.66
(1,606)	1:B:39:LYS:HD2	1:B:67:LYS:HG3	5	18.66
(1,606)	1:B:39:LYS:HD3	1:A:67:LYS:HG3	5	18.66
(1,606)	1:B:39:LYS:HD3	1:B:67:LYS:HG3	5	18.66
(1,429)	1:A:69:SER:HA	1:A:44:LYS:HD2	8	18.66
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD2	8	18.66
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD3	8	18.66
(1,429)	1:B:69:SER:HA	1:A:44:LYS:HD2	8	18.66
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD2	8	18.66
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD3	8	18.66
(1,611)	1:A:39:LYS:HG3	1:A:67:LYS:HG2	13	18.65
(1,611)	1:A:39:LYS:HG3	1:B:67:LYS:HG2	13	18.65
(1,611)	1:B:39:LYS:HG3	1:A:67:LYS:HG2	13	18.65
(1,611)	1:B:39:LYS:HG3	1:B:67:LYS:HG2	13	18.65
(1,780)	1:A:64:ALA:HB1	1:A:39:LYS:HE2	20	18.64
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE2	20	18.64
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE3	20	18.64
(1,780)	1:A:64:ALA:HB2	1:A:39:LYS:HE2	20	18.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE2	20	18.64
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE3	20	18.64
(1,780)	1:A:64:ALA:HB3	1:A:39:LYS:HE2	20	18.64
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE2	20	18.64
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE3	20	18.64
(1,780)	1:B:64:ALA:HB1	1:A:39:LYS:HE2	20	18.64
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE2	20	18.64
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE3	20	18.64
(1,780)	1:B:64:ALA:HB2	1:A:39:LYS:HE2	20	18.64
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE2	20	18.64
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE3	20	18.64
(1,780)	1:B:64:ALA:HB3	1:A:39:LYS:HE2	20	18.64
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE2	20	18.64
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE3	20	18.64
(1,565)	1:A:66:LYS:HA	1:A:44:LYS:HE2	20	18.64
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE2	20	18.64
(1,565)	1:A:66:LYS:HA	1:B:44:LYS:HE3	20	18.64
(1,565)	1:B:66:LYS:HA	1:A:44:LYS:HE2	20	18.64
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE2	20	18.64
(1,565)	1:B:66:LYS:HA	1:B:44:LYS:HE3	20	18.64
(1,441)	1:A:68:ASP:HA	1:A:43:GLU:HG2	17	18.63
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG2	17	18.63
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG3	17	18.63
(1,441)	1:B:68:ASP:HA	1:A:43:GLU:HG2	17	18.63
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG2	17	18.63
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG3	17	18.63
(1,297)	1:A:70:SER:H	1:A:45:ARG:HG3	5	18.63
(1,297)	1:A:70:SER:H	1:B:45:ARG:HG3	5	18.63
(1,297)	1:B:70:SER:H	1:A:45:ARG:HG3	5	18.63
(1,297)	1:B:70:SER:H	1:B:45:ARG:HG3	5	18.63
(1,617)	1:A:39:LYS:HG2	1:A:67:LYS:HG3	3	18.61
(1,617)	1:A:39:LYS:HG2	1:B:67:LYS:HG3	3	18.61
(1,617)	1:B:39:LYS:HG2	1:A:67:LYS:HG3	3	18.61
(1,617)	1:B:39:LYS:HG2	1:B:67:LYS:HG3	3	18.61
(1,750)	1:A:69:SER:H	1:A:44:LYS:HG2	18	18.6
(1,750)	1:A:69:SER:H	1:B:44:LYS:HG2	18	18.6
(1,750)	1:B:69:SER:H	1:A:44:LYS:HG2	18	18.6
(1,750)	1:B:69:SER:H	1:B:44:LYS:HG2	18	18.6
(1,429)	1:A:69:SER:HA	1:A:44:LYS:HD2	10	18.59
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD2	10	18.59
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD3	10	18.59
(1,429)	1:B:69:SER:HA	1:A:44:LYS:HD2	10	18.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD2	10	18.59
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD3	10	18.59
(1,617)	1:A:39:LYS:HG2	1:A:67:LYS:HG3	12	18.57
(1,617)	1:A:39:LYS:HG2	1:B:67:LYS:HG3	12	18.57
(1,617)	1:B:39:LYS:HG2	1:A:67:LYS:HG3	12	18.57
(1,617)	1:B:39:LYS:HG2	1:B:67:LYS:HG3	12	18.57
(1,328)	1:A:69:SER:H	1:A:44:LYS:HE2	12	18.57
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE2	12	18.57
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE3	12	18.57
(1,328)	1:B:69:SER:H	1:A:44:LYS:HE2	12	18.57
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE2	12	18.57
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE3	12	18.57
(1,302)	1:A:39:LYS:HD2	1:A:67:LYS:H	10	18.57
(1,302)	1:A:39:LYS:HD2	1:B:67:LYS:H	10	18.57
(1,302)	1:B:39:LYS:HD2	1:A:67:LYS:H	10	18.57
(1,302)	1:B:39:LYS:HD2	1:B:67:LYS:H	10	18.57
(1,302)	1:B:39:LYS:HD3	1:A:67:LYS:H	10	18.57
(1,302)	1:B:39:LYS:HD3	1:B:67:LYS:H	10	18.57
(1,595)	1:A:39:LYS:HG3	1:A:67:LYS:HB2	19	18.56
(1,595)	1:A:39:LYS:HG3	1:B:67:LYS:HB2	19	18.56
(1,595)	1:B:39:LYS:HG3	1:A:67:LYS:HB2	19	18.56
(1,595)	1:B:39:LYS:HG3	1:B:67:LYS:HB2	19	18.56
(1,302)	1:A:39:LYS:HD2	1:A:67:LYS:H	1	18.56
(1,302)	1:A:39:LYS:HD2	1:B:67:LYS:H	1	18.56
(1,302)	1:B:39:LYS:HD2	1:A:67:LYS:H	1	18.56
(1,302)	1:B:39:LYS:HD2	1:B:67:LYS:H	1	18.56
(1,302)	1:B:39:LYS:HD3	1:A:67:LYS:H	1	18.56
(1,302)	1:B:39:LYS:HD3	1:B:67:LYS:H	1	18.56
(1,780)	1:A:64:ALA:HB1	1:A:39:LYS:HE2	12	18.55
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE2	12	18.55
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE3	12	18.55
(1,780)	1:A:64:ALA:HB2	1:A:39:LYS:HE2	12	18.55
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE2	12	18.55
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE3	12	18.55
(1,780)	1:A:64:ALA:HB3	1:A:39:LYS:HE2	12	18.55
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE2	12	18.55
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE3	12	18.55
(1,780)	1:B:64:ALA:HB1	1:A:39:LYS:HE2	12	18.55
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE2	12	18.55
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE3	12	18.55
(1,780)	1:B:64:ALA:HB2	1:A:39:LYS:HE2	12	18.55
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE2	12	18.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE3	12	18.55
(1,780)	1:B:64:ALA:HB3	1:A:39:LYS:HE2	12	18.55
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE2	12	18.55
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE3	12	18.55
(1,750)	1:A:69:SER:H	1:A:44:LYS:HG2	17	18.55
(1,750)	1:A:69:SER:H	1:B:44:LYS:HG2	17	18.55
(1,750)	1:B:69:SER:H	1:A:44:LYS:HG2	17	18.55
(1,750)	1:B:69:SER:H	1:B:44:LYS:HG2	17	18.55
(1,606)	1:A:39:LYS:HD2	1:A:67:LYS:HG3	8	18.55
(1,606)	1:A:39:LYS:HD2	1:B:67:LYS:HG3	8	18.55
(1,606)	1:B:39:LYS:HD2	1:A:67:LYS:HG3	8	18.55
(1,606)	1:B:39:LYS:HD2	1:B:67:LYS:HG3	8	18.55
(1,606)	1:B:39:LYS:HD3	1:A:67:LYS:HG3	8	18.55
(1,606)	1:B:39:LYS:HD3	1:B:67:LYS:HG3	8	18.55
(1,328)	1:A:69:SER:H	1:A:44:LYS:HE2	1	18.55
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE2	1	18.55
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE3	1	18.55
(1,328)	1:B:69:SER:H	1:A:44:LYS:HE2	1	18.55
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE2	1	18.55
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE3	1	18.55
(1,677)	1:A:39:LYS:HG3	1:A:67:LYS:HG3	6	18.54
(1,677)	1:A:39:LYS:HG3	1:B:67:LYS:HG3	6	18.54
(1,677)	1:B:39:LYS:HG3	1:A:67:LYS:HG3	6	18.54
(1,677)	1:B:39:LYS:HG3	1:B:67:LYS:HG3	6	18.54
(1,605)	1:A:39:LYS:HD2	1:A:67:LYS:HG2	14	18.54
(1,605)	1:A:39:LYS:HD2	1:B:67:LYS:HG2	14	18.54
(1,605)	1:B:39:LYS:HD2	1:A:67:LYS:HG2	14	18.54
(1,605)	1:B:39:LYS:HD2	1:B:67:LYS:HG2	14	18.54
(1,605)	1:B:39:LYS:HD3	1:A:67:LYS:HG2	14	18.54
(1,605)	1:B:39:LYS:HD3	1:B:67:LYS:HG2	14	18.54
(1,465)	1:A:61:ILE:HA	1:A:36:LYS:HE2	10	18.54
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE2	10	18.54
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE3	10	18.54
(1,465)	1:B:61:ILE:HA	1:A:36:LYS:HE2	10	18.54
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE2	10	18.54
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE3	10	18.54
(1,434)	1:A:63:ASP:HB2	1:A:39:LYS:HG2	17	18.53
(1,434)	1:A:63:ASP:HB2	1:B:39:LYS:HG2	17	18.53
(1,434)	1:A:63:ASP:HB3	1:A:39:LYS:HG2	17	18.53
(1,434)	1:A:63:ASP:HB3	1:B:39:LYS:HG2	17	18.53
(1,434)	1:B:63:ASP:HB2	1:A:39:LYS:HG2	17	18.53
(1,434)	1:B:63:ASP:HB2	1:B:39:LYS:HG2	17	18.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,434)	1:B:63:ASP:HB3	1:A:39:LYS:HG2	17	18.53
(1,434)	1:B:63:ASP:HB3	1:B:39:LYS:HG2	17	18.53
(1,441)	1:A:68:ASP:HA	1:A:43:GLU:HG2	11	18.52
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG2	11	18.52
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG3	11	18.52
(1,441)	1:B:68:ASP:HA	1:A:43:GLU:HG2	11	18.52
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG2	11	18.52
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG3	11	18.52
(1,694)	1:A:41:ILE:HG13	1:A:67:LYS:HA	15	18.51
(1,694)	1:A:41:ILE:HG13	1:B:67:LYS:HA	15	18.51
(1,694)	1:B:41:ILE:HG13	1:A:67:LYS:HA	15	18.51
(1,694)	1:B:41:ILE:HG13	1:B:67:LYS:HA	15	18.51
(1,429)	1:A:69:SER:HA	1:A:44:LYS:HD2	5	18.51
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD2	5	18.51
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD3	5	18.51
(1,429)	1:B:69:SER:HA	1:A:44:LYS:HD2	5	18.51
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD2	5	18.51
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD3	5	18.51
(1,302)	1:A:39:LYS:HD2	1:A:67:LYS:H	6	18.5
(1,302)	1:A:39:LYS:HD2	1:B:67:LYS:H	6	18.5
(1,302)	1:B:39:LYS:HD2	1:A:67:LYS:H	6	18.5
(1,302)	1:B:39:LYS:HD2	1:B:67:LYS:H	6	18.5
(1,302)	1:B:39:LYS:HD3	1:A:67:LYS:H	6	18.5
(1,302)	1:B:39:LYS:HD3	1:B:67:LYS:H	6	18.5
(1,612)	1:A:41:ILE:HG12	1:A:67:LYS:HG2	19	18.49
(1,612)	1:A:41:ILE:HG12	1:B:67:LYS:HG2	19	18.49
(1,612)	1:B:41:ILE:HG12	1:A:67:LYS:HG2	19	18.49
(1,612)	1:B:41:ILE:HG12	1:B:67:LYS:HG2	19	18.49
(1,441)	1:A:68:ASP:HA	1:A:43:GLU:HG2	9	18.49
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG2	9	18.49
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG3	9	18.49
(1,441)	1:B:68:ASP:HA	1:A:43:GLU:HG2	9	18.49
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG2	9	18.49
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG3	9	18.49
(1,434)	1:A:63:ASP:HB2	1:A:39:LYS:HG2	14	18.49
(1,434)	1:A:63:ASP:HB2	1:B:39:LYS:HG2	14	18.49
(1,434)	1:A:63:ASP:HB3	1:A:39:LYS:HG2	14	18.49
(1,434)	1:A:63:ASP:HB3	1:B:39:LYS:HG2	14	18.49
(1,434)	1:B:63:ASP:HB2	1:A:39:LYS:HG2	14	18.49
(1,434)	1:B:63:ASP:HB2	1:B:39:LYS:HG2	14	18.49
(1,434)	1:B:63:ASP:HB3	1:A:39:LYS:HG2	14	18.49
(1,434)	1:B:63:ASP:HB3	1:B:39:LYS:HG2	14	18.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,434)	1:A:63:ASP:HB2	1:A:39:LYS:HG2	16	18.49
(1,434)	1:A:63:ASP:HB2	1:B:39:LYS:HG2	16	18.49
(1,434)	1:A:63:ASP:HB3	1:A:39:LYS:HG2	16	18.49
(1,434)	1:A:63:ASP:HB3	1:B:39:LYS:HG2	16	18.49
(1,434)	1:B:63:ASP:HB2	1:A:39:LYS:HG2	16	18.49
(1,434)	1:B:63:ASP:HB2	1:B:39:LYS:HG2	16	18.49
(1,434)	1:B:63:ASP:HB3	1:A:39:LYS:HG2	16	18.49
(1,434)	1:B:63:ASP:HB3	1:B:39:LYS:HG2	16	18.49
(1,697)	1:A:70:SER:HA	1:A:45:ARG:HG2	2	18.48
(1,697)	1:A:70:SER:HA	1:B:45:ARG:HG2	2	18.48
(1,697)	1:B:70:SER:HA	1:A:45:ARG:HG2	2	18.48
(1,697)	1:B:70:SER:HA	1:B:45:ARG:HG2	2	18.48
(1,606)	1:A:39:LYS:HD2	1:A:67:LYS:HG3	12	18.48
(1,606)	1:A:39:LYS:HD2	1:B:67:LYS:HG3	12	18.48
(1,606)	1:B:39:LYS:HD2	1:A:67:LYS:HG3	12	18.48
(1,606)	1:B:39:LYS:HD2	1:B:67:LYS:HG3	12	18.48
(1,606)	1:B:39:LYS:HD3	1:A:67:LYS:HG3	12	18.48
(1,606)	1:B:39:LYS:HD3	1:B:67:LYS:HG3	12	18.48
(1,297)	1:A:70:SER:H	1:A:45:ARG:HG3	4	18.47
(1,297)	1:A:70:SER:H	1:B:45:ARG:HG3	4	18.47
(1,297)	1:B:70:SER:H	1:A:45:ARG:HG3	4	18.47
(1,297)	1:B:70:SER:H	1:B:45:ARG:HG3	4	18.47
(1,617)	1:A:39:LYS:HG2	1:A:67:LYS:HG3	6	18.45
(1,617)	1:A:39:LYS:HG2	1:B:67:LYS:HG3	6	18.45
(1,617)	1:B:39:LYS:HG2	1:A:67:LYS:HG3	6	18.45
(1,617)	1:B:39:LYS:HG2	1:B:67:LYS:HG3	6	18.45
(1,297)	1:A:70:SER:H	1:A:45:ARG:HG3	19	18.45
(1,297)	1:A:70:SER:H	1:B:45:ARG:HG3	19	18.45
(1,297)	1:B:70:SER:H	1:A:45:ARG:HG3	19	18.45
(1,297)	1:B:70:SER:H	1:B:45:ARG:HG3	19	18.45
(1,773)	1:A:63:ASP:H	1:A:39:LYS:HG2	1	18.44
(1,773)	1:A:63:ASP:H	1:B:39:LYS:HG2	1	18.44
(1,773)	1:B:63:ASP:H	1:A:39:LYS:HG2	1	18.44
(1,773)	1:B:63:ASP:H	1:B:39:LYS:HG2	1	18.44
(1,672)	1:A:39:LYS:HG2	1:A:67:LYS:HG2	11	18.44
(1,672)	1:A:39:LYS:HG2	1:B:67:LYS:HG2	11	18.44
(1,672)	1:B:39:LYS:HG2	1:A:67:LYS:HG2	11	18.44
(1,672)	1:B:39:LYS:HG2	1:B:67:LYS:HG2	11	18.44
(1,301)	1:A:64:ALA:H	1:A:39:LYS:HD2	6	18.42
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD2	6	18.42
(1,301)	1:A:64:ALA:H	1:B:39:LYS:HD3	6	18.42
(1,301)	1:B:64:ALA:H	1:A:39:LYS:HD2	6	18.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD2	6	18.42
(1,301)	1:B:64:ALA:H	1:B:39:LYS:HD3	6	18.42
(1,697)	1:A:70:SER:HA	1:A:45:ARG:HG2	9	18.41
(1,697)	1:A:70:SER:HA	1:B:45:ARG:HG2	9	18.41
(1,697)	1:B:70:SER:HA	1:A:45:ARG:HG2	9	18.41
(1,697)	1:B:70:SER:HA	1:B:45:ARG:HG2	9	18.41
(1,697)	1:A:70:SER:HA	1:A:45:ARG:HG2	12	18.4
(1,697)	1:A:70:SER:HA	1:B:45:ARG:HG2	12	18.4
(1,697)	1:B:70:SER:HA	1:A:45:ARG:HG2	12	18.4
(1,697)	1:B:70:SER:HA	1:B:45:ARG:HG2	12	18.4
(1,677)	1:A:39:LYS:HG3	1:A:67:LYS:HG3	12	18.4
(1,677)	1:A:39:LYS:HG3	1:B:67:LYS:HG3	12	18.4
(1,677)	1:B:39:LYS:HG3	1:A:67:LYS:HG3	12	18.4
(1,677)	1:B:39:LYS:HG3	1:B:67:LYS:HG3	12	18.4
(1,441)	1:A:68:ASP:HA	1:A:43:GLU:HG2	13	18.39
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG2	13	18.39
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG3	13	18.39
(1,441)	1:B:68:ASP:HA	1:A:43:GLU:HG2	13	18.39
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG2	13	18.39
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG3	13	18.39
(1,672)	1:A:39:LYS:HG2	1:A:67:LYS:HG2	12	18.38
(1,672)	1:A:39:LYS:HG2	1:B:67:LYS:HG2	12	18.38
(1,672)	1:B:39:LYS:HG2	1:A:67:LYS:HG2	12	18.38
(1,672)	1:B:39:LYS:HG2	1:B:67:LYS:HG2	12	18.38
(1,677)	1:A:39:LYS:HG3	1:A:67:LYS:HG3	14	18.37
(1,677)	1:A:39:LYS:HG3	1:B:67:LYS:HG3	14	18.37
(1,677)	1:B:39:LYS:HG3	1:A:67:LYS:HG3	14	18.37
(1,677)	1:B:39:LYS:HG3	1:B:67:LYS:HG3	14	18.37
(1,605)	1:A:39:LYS:HD2	1:A:67:LYS:HG2	7	18.37
(1,605)	1:A:39:LYS:HD2	1:B:67:LYS:HG2	7	18.37
(1,605)	1:B:39:LYS:HD2	1:A:67:LYS:HG2	7	18.37
(1,605)	1:B:39:LYS:HD2	1:B:67:LYS:HG2	7	18.37
(1,605)	1:B:39:LYS:HD3	1:A:67:LYS:HG2	7	18.37
(1,605)	1:B:39:LYS:HD3	1:B:67:LYS:HG2	7	18.37
(1,303)	1:A:70:SER:H	1:A:45:ARG:HG2	2	18.37
(1,303)	1:A:70:SER:H	1:B:45:ARG:HG2	2	18.37
(1,303)	1:B:70:SER:H	1:A:45:ARG:HG2	2	18.37
(1,303)	1:B:70:SER:H	1:B:45:ARG:HG2	2	18.37
(1,595)	1:A:39:LYS:HG3	1:A:67:LYS:HB2	8	18.36
(1,595)	1:A:39:LYS:HG3	1:B:67:LYS:HB2	8	18.36
(1,595)	1:B:39:LYS:HG3	1:A:67:LYS:HB2	8	18.36
(1,595)	1:B:39:LYS:HG3	1:B:67:LYS:HB2	8	18.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,434)	1:A:63:ASP:HB2	1:A:39:LYS:HG2	2	18.36
(1,434)	1:A:63:ASP:HB2	1:B:39:LYS:HG2	2	18.36
(1,434)	1:A:63:ASP:HB3	1:A:39:LYS:HG2	2	18.36
(1,434)	1:A:63:ASP:HB3	1:B:39:LYS:HG2	2	18.36
(1,434)	1:B:63:ASP:HB2	1:A:39:LYS:HG2	2	18.36
(1,434)	1:B:63:ASP:HB2	1:B:39:LYS:HG2	2	18.36
(1,434)	1:B:63:ASP:HB3	1:A:39:LYS:HG2	2	18.36
(1,434)	1:B:63:ASP:HB3	1:B:39:LYS:HG2	2	18.36
(1,611)	1:A:39:LYS:HG3	1:A:67:LYS:HG2	12	18.34
(1,611)	1:A:39:LYS:HG3	1:B:67:LYS:HG2	12	18.34
(1,611)	1:B:39:LYS:HG3	1:A:67:LYS:HG2	12	18.34
(1,611)	1:B:39:LYS:HG3	1:B:67:LYS:HG2	12	18.34
(1,426)	1:A:70:SER:HA	1:A:45:ARG:HG3	12	18.34
(1,426)	1:A:70:SER:HA	1:B:45:ARG:HG3	12	18.34
(1,426)	1:B:70:SER:HA	1:A:45:ARG:HG3	12	18.34
(1,426)	1:B:70:SER:HA	1:B:45:ARG:HG3	12	18.34
(1,617)	1:A:39:LYS:HG2	1:A:67:LYS:HG3	7	18.33
(1,617)	1:A:39:LYS:HG2	1:B:67:LYS:HG3	7	18.33
(1,617)	1:B:39:LYS:HG2	1:A:67:LYS:HG3	7	18.33
(1,617)	1:B:39:LYS:HG2	1:B:67:LYS:HG3	7	18.33
(1,672)	1:A:39:LYS:HG2	1:A:67:LYS:HG2	6	18.32
(1,672)	1:A:39:LYS:HG2	1:B:67:LYS:HG2	6	18.32
(1,672)	1:B:39:LYS:HG2	1:A:67:LYS:HG2	6	18.32
(1,672)	1:B:39:LYS:HG2	1:B:67:LYS:HG2	6	18.32
(1,605)	1:A:39:LYS:HD2	1:A:67:LYS:HG2	11	18.32
(1,605)	1:A:39:LYS:HD2	1:B:67:LYS:HG2	11	18.32
(1,605)	1:B:39:LYS:HD2	1:A:67:LYS:HG2	11	18.32
(1,605)	1:B:39:LYS:HD2	1:B:67:LYS:HG2	11	18.32
(1,605)	1:B:39:LYS:HD3	1:A:67:LYS:HG2	11	18.32
(1,605)	1:B:39:LYS:HD3	1:B:67:LYS:HG2	11	18.32
(1,434)	1:A:63:ASP:HB2	1:A:39:LYS:HG2	15	18.32
(1,434)	1:A:63:ASP:HB2	1:B:39:LYS:HG2	15	18.32
(1,434)	1:A:63:ASP:HB3	1:A:39:LYS:HG2	15	18.32
(1,434)	1:A:63:ASP:HB3	1:B:39:LYS:HG2	15	18.32
(1,434)	1:B:63:ASP:HB2	1:A:39:LYS:HG2	15	18.32
(1,434)	1:B:63:ASP:HB2	1:B:39:LYS:HG2	15	18.32
(1,434)	1:B:63:ASP:HB3	1:A:39:LYS:HG2	15	18.32
(1,434)	1:B:63:ASP:HB3	1:B:39:LYS:HG2	15	18.32
(1,780)	1:A:64:ALA:HB1	1:A:39:LYS:HE2	14	18.31
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE2	14	18.31
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE3	14	18.31
(1,780)	1:A:64:ALA:HB2	1:A:39:LYS:HE2	14	18.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE2	14	18.31
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE3	14	18.31
(1,780)	1:A:64:ALA:HB3	1:A:39:LYS:HE2	14	18.31
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE2	14	18.31
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE3	14	18.31
(1,780)	1:B:64:ALA:HB1	1:A:39:LYS:HE2	14	18.31
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE2	14	18.31
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE3	14	18.31
(1,780)	1:B:64:ALA:HB2	1:A:39:LYS:HE2	14	18.31
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE2	14	18.31
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE3	14	18.31
(1,780)	1:B:64:ALA:HB3	1:A:39:LYS:HE2	14	18.31
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE2	14	18.31
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE3	14	18.31
(1,429)	1:A:69:SER:HA	1:A:44:LYS:HD2	14	18.31
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD2	14	18.31
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD3	14	18.31
(1,429)	1:B:69:SER:HA	1:A:44:LYS:HD2	14	18.31
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD2	14	18.31
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD3	14	18.31
(1,672)	1:A:39:LYS:HG2	1:A:67:LYS:HG2	16	18.3
(1,672)	1:A:39:LYS:HG2	1:B:67:LYS:HG2	16	18.3
(1,672)	1:B:39:LYS:HG2	1:A:67:LYS:HG2	16	18.3
(1,672)	1:B:39:LYS:HG2	1:B:67:LYS:HG2	16	18.3
(1,605)	1:A:39:LYS:HD2	1:A:67:LYS:HG2	10	18.28
(1,605)	1:A:39:LYS:HD2	1:B:67:LYS:HG2	10	18.28
(1,605)	1:B:39:LYS:HD2	1:A:67:LYS:HG2	10	18.28
(1,605)	1:B:39:LYS:HD2	1:B:67:LYS:HG2	10	18.28
(1,605)	1:B:39:LYS:HD3	1:A:67:LYS:HG2	10	18.28
(1,605)	1:B:39:LYS:HD3	1:B:67:LYS:HG2	10	18.28
(1,780)	1:A:64:ALA:HB1	1:A:39:LYS:HE2	10	18.27
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE2	10	18.27
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE3	10	18.27
(1,780)	1:A:64:ALA:HB2	1:A:39:LYS:HE2	10	18.27
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE2	10	18.27
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE3	10	18.27
(1,780)	1:A:64:ALA:HB3	1:A:39:LYS:HE2	10	18.27
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE2	10	18.27
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE3	10	18.27
(1,780)	1:B:64:ALA:HB1	1:A:39:LYS:HE2	10	18.27
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE2	10	18.27
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE3	10	18.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:B:64:ALA:HB2	1:A:39:LYS:HE2	10	18.27
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE2	10	18.27
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE3	10	18.27
(1,780)	1:B:64:ALA:HB3	1:A:39:LYS:HE2	10	18.27
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE2	10	18.27
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE3	10	18.27
(1,441)	1:A:68:ASP:HA	1:A:43:GLU:HG2	12	18.27
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG2	12	18.27
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG3	12	18.27
(1,441)	1:B:68:ASP:HA	1:A:43:GLU:HG2	12	18.27
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG2	12	18.27
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG3	12	18.27
(1,611)	1:A:39:LYS:HG3	1:A:67:LYS:HG2	16	18.26
(1,611)	1:A:39:LYS:HG3	1:B:67:LYS:HG2	16	18.26
(1,611)	1:B:39:LYS:HG3	1:A:67:LYS:HG2	16	18.26
(1,611)	1:B:39:LYS:HG3	1:B:67:LYS:HG2	16	18.26
(1,606)	1:A:39:LYS:HD2	1:A:67:LYS:HG3	3	18.26
(1,606)	1:A:39:LYS:HD2	1:B:67:LYS:HG3	3	18.26
(1,606)	1:B:39:LYS:HD2	1:A:67:LYS:HG3	3	18.26
(1,606)	1:B:39:LYS:HD2	1:B:67:LYS:HG3	3	18.26
(1,606)	1:B:39:LYS:HD3	1:A:67:LYS:HG3	3	18.26
(1,606)	1:B:39:LYS:HD3	1:B:67:LYS:HG3	3	18.26
(1,426)	1:A:70:SER:HA	1:A:45:ARG:HG3	9	18.25
(1,426)	1:A:70:SER:HA	1:B:45:ARG:HG3	9	18.25
(1,426)	1:B:70:SER:HA	1:A:45:ARG:HG3	9	18.25
(1,426)	1:B:70:SER:HA	1:B:45:ARG:HG3	9	18.25
(1,780)	1:A:64:ALA:HB1	1:A:39:LYS:HE2	11	18.24
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE2	11	18.24
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE3	11	18.24
(1,780)	1:A:64:ALA:HB2	1:A:39:LYS:HE2	11	18.24
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE2	11	18.24
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE3	11	18.24
(1,780)	1:A:64:ALA:HB3	1:A:39:LYS:HE2	11	18.24
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE2	11	18.24
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE3	11	18.24
(1,780)	1:B:64:ALA:HB1	1:A:39:LYS:HE2	11	18.24
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE2	11	18.24
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE3	11	18.24
(1,780)	1:B:64:ALA:HB2	1:A:39:LYS:HE2	11	18.24
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE2	11	18.24
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE3	11	18.24
(1,780)	1:B:64:ALA:HB3	1:A:39:LYS:HE2	11	18.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE2	11	18.24
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE3	11	18.24
(1,612)	1:A:41:ILE:HG12	1:A:67:LYS:HG2	4	18.24
(1,612)	1:A:41:ILE:HG12	1:B:67:LYS:HG2	4	18.24
(1,612)	1:B:41:ILE:HG12	1:A:67:LYS:HG2	4	18.24
(1,612)	1:B:41:ILE:HG12	1:B:67:LYS:HG2	4	18.24
(1,780)	1:A:64:ALA:HB1	1:A:39:LYS:HE2	18	18.23
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE2	18	18.23
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE3	18	18.23
(1,780)	1:A:64:ALA:HB2	1:A:39:LYS:HE2	18	18.23
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE2	18	18.23
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE3	18	18.23
(1,780)	1:A:64:ALA:HB3	1:A:39:LYS:HE2	18	18.23
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE2	18	18.23
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE3	18	18.23
(1,780)	1:B:64:ALA:HB1	1:A:39:LYS:HE2	18	18.23
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE2	18	18.23
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE3	18	18.23
(1,780)	1:B:64:ALA:HB2	1:A:39:LYS:HE2	18	18.23
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE2	18	18.23
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE3	18	18.23
(1,780)	1:B:64:ALA:HB3	1:A:39:LYS:HE2	18	18.23
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE2	18	18.23
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE3	18	18.23
(1,612)	1:A:41:ILE:HG12	1:A:67:LYS:HG2	8	18.23
(1,612)	1:A:41:ILE:HG12	1:B:67:LYS:HG2	8	18.23
(1,612)	1:B:41:ILE:HG12	1:A:67:LYS:HG2	8	18.23
(1,612)	1:B:41:ILE:HG12	1:B:67:LYS:HG2	8	18.23
(1,606)	1:A:39:LYS:HD2	1:A:67:LYS:HG3	11	18.23
(1,606)	1:A:39:LYS:HD2	1:B:67:LYS:HG3	11	18.23
(1,606)	1:B:39:LYS:HD2	1:A:67:LYS:HG3	11	18.23
(1,606)	1:B:39:LYS:HD2	1:B:67:LYS:HG3	11	18.23
(1,606)	1:B:39:LYS:HD3	1:A:67:LYS:HG3	11	18.23
(1,606)	1:B:39:LYS:HD3	1:B:67:LYS:HG3	11	18.23
(1,605)	1:A:39:LYS:HD2	1:A:67:LYS:HG2	15	18.23
(1,605)	1:A:39:LYS:HD2	1:B:67:LYS:HG2	15	18.23
(1,605)	1:B:39:LYS:HD2	1:A:67:LYS:HG2	15	18.23
(1,605)	1:B:39:LYS:HD2	1:B:67:LYS:HG2	15	18.23
(1,605)	1:B:39:LYS:HD3	1:A:67:LYS:HG2	15	18.23
(1,605)	1:B:39:LYS:HD3	1:B:67:LYS:HG2	15	18.23
(1,297)	1:A:70:SER:H	1:A:45:ARG:HG3	13	18.23
(1,297)	1:A:70:SER:H	1:B:45:ARG:HG3	13	18.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,297)	1:B:70:SER:H	1:A:45:ARG:HG3	13	18.23
(1,297)	1:B:70:SER:H	1:B:45:ARG:HG3	13	18.23
(1,672)	1:A:39:LYS:HG2	1:A:67:LYS:HG2	14	18.22
(1,672)	1:A:39:LYS:HG2	1:B:67:LYS:HG2	14	18.22
(1,672)	1:B:39:LYS:HG2	1:A:67:LYS:HG2	14	18.22
(1,672)	1:B:39:LYS:HG2	1:B:67:LYS:HG2	14	18.22
(1,525)	1:A:44:LYS:HE2	1:A:70:SER:H	8	18.21
(1,525)	1:A:44:LYS:HE2	1:B:70:SER:H	8	18.21
(1,525)	1:B:44:LYS:HE2	1:A:70:SER:H	8	18.21
(1,525)	1:B:44:LYS:HE2	1:B:70:SER:H	8	18.21
(1,525)	1:B:44:LYS:HE3	1:A:70:SER:H	8	18.21
(1,525)	1:B:44:LYS:HE3	1:B:70:SER:H	8	18.21
(1,677)	1:A:39:LYS:HG3	1:A:67:LYS:HG3	3	18.2
(1,677)	1:A:39:LYS:HG3	1:B:67:LYS:HG3	3	18.2
(1,677)	1:B:39:LYS:HG3	1:A:67:LYS:HG3	3	18.2
(1,677)	1:B:39:LYS:HG3	1:B:67:LYS:HG3	3	18.2
(1,441)	1:A:68:ASP:HA	1:A:43:GLU:HG2	15	18.2
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG2	15	18.2
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG3	15	18.2
(1,441)	1:B:68:ASP:HA	1:A:43:GLU:HG2	15	18.2
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG2	15	18.2
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG3	15	18.2
(1,434)	1:A:63:ASP:HB2	1:A:39:LYS:HG2	6	18.2
(1,434)	1:A:63:ASP:HB2	1:B:39:LYS:HG2	6	18.2
(1,434)	1:A:63:ASP:HB3	1:A:39:LYS:HG2	6	18.2
(1,434)	1:A:63:ASP:HB3	1:B:39:LYS:HG2	6	18.2
(1,434)	1:B:63:ASP:HB2	1:A:39:LYS:HG2	6	18.2
(1,434)	1:B:63:ASP:HB2	1:B:39:LYS:HG2	6	18.2
(1,434)	1:B:63:ASP:HB3	1:A:39:LYS:HG2	6	18.2
(1,434)	1:B:63:ASP:HB3	1:B:39:LYS:HG2	6	18.2
(1,677)	1:A:39:LYS:HG3	1:A:67:LYS:HG3	11	18.19
(1,677)	1:A:39:LYS:HG3	1:B:67:LYS:HG3	11	18.19
(1,677)	1:B:39:LYS:HG3	1:A:67:LYS:HG3	11	18.19
(1,677)	1:B:39:LYS:HG3	1:B:67:LYS:HG3	11	18.19
(1,672)	1:A:39:LYS:HG2	1:A:67:LYS:HG2	7	18.19
(1,672)	1:A:39:LYS:HG2	1:B:67:LYS:HG2	7	18.19
(1,672)	1:B:39:LYS:HG2	1:A:67:LYS:HG2	7	18.19
(1,672)	1:B:39:LYS:HG2	1:B:67:LYS:HG2	7	18.19
(1,604)	1:A:61:ILE:HD11	1:A:36:LYS:HE2	9	18.19
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE2	9	18.19
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE3	9	18.19
(1,604)	1:A:61:ILE:HD12	1:A:36:LYS:HE2	9	18.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE2	9	18.19
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE3	9	18.19
(1,604)	1:A:61:ILE:HD13	1:A:36:LYS:HE2	9	18.19
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE2	9	18.19
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE3	9	18.19
(1,604)	1:B:61:ILE:HD11	1:A:36:LYS:HE2	9	18.19
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE2	9	18.19
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE3	9	18.19
(1,604)	1:B:61:ILE:HD12	1:A:36:LYS:HE2	9	18.19
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE2	9	18.19
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE3	9	18.19
(1,604)	1:B:61:ILE:HD13	1:A:36:LYS:HE2	9	18.19
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE2	9	18.19
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE3	9	18.19
(1,303)	1:A:70:SER:H	1:A:45:ARG:HG2	9	18.18
(1,303)	1:A:70:SER:H	1:B:45:ARG:HG2	9	18.18
(1,303)	1:B:70:SER:H	1:A:45:ARG:HG2	9	18.18
(1,303)	1:B:70:SER:H	1:B:45:ARG:HG2	9	18.18
(1,426)	1:A:70:SER:HA	1:A:45:ARG:HG3	2	18.17
(1,426)	1:A:70:SER:HA	1:B:45:ARG:HG3	2	18.17
(1,426)	1:B:70:SER:HA	1:A:45:ARG:HG3	2	18.17
(1,426)	1:B:70:SER:HA	1:B:45:ARG:HG3	2	18.17
(1,297)	1:A:70:SER:H	1:A:45:ARG:HG3	6	18.17
(1,297)	1:A:70:SER:H	1:B:45:ARG:HG3	6	18.17
(1,297)	1:B:70:SER:H	1:A:45:ARG:HG3	6	18.17
(1,297)	1:B:70:SER:H	1:B:45:ARG:HG3	6	18.17
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD11	19	18.16
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD12	19	18.16
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD13	19	18.16
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD11	19	18.16
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD12	19	18.16
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD13	19	18.16
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD11	19	18.16
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD12	19	18.16
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD13	19	18.16
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD11	19	18.16
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD12	19	18.16
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD13	19	18.16
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD11	19	18.16
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD12	19	18.16
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD13	19	18.16
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD11	19	18.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD12	19	18.16
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD13	19	18.16
(1,429)	1:A:69:SER:HA	1:A:44:LYS:HD2	16	18.16
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD2	16	18.16
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD3	16	18.16
(1,429)	1:B:69:SER:HA	1:A:44:LYS:HD2	16	18.16
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD2	16	18.16
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD3	16	18.16
(1,434)	1:A:63:ASP:HB2	1:A:39:LYS:HG2	11	18.15
(1,434)	1:A:63:ASP:HB2	1:B:39:LYS:HG2	11	18.15
(1,434)	1:A:63:ASP:HB3	1:A:39:LYS:HG2	11	18.15
(1,434)	1:A:63:ASP:HB3	1:B:39:LYS:HG2	11	18.15
(1,434)	1:B:63:ASP:HB2	1:A:39:LYS:HG2	11	18.15
(1,434)	1:B:63:ASP:HB2	1:B:39:LYS:HG2	11	18.15
(1,434)	1:B:63:ASP:HB3	1:A:39:LYS:HG2	11	18.15
(1,434)	1:B:63:ASP:HB3	1:B:39:LYS:HG2	11	18.15
(1,303)	1:A:70:SER:H	1:A:45:ARG:HG2	12	18.15
(1,303)	1:A:70:SER:H	1:B:45:ARG:HG2	12	18.15
(1,303)	1:B:70:SER:H	1:A:45:ARG:HG2	12	18.15
(1,303)	1:B:70:SER:H	1:B:45:ARG:HG2	12	18.15
(1,606)	1:A:39:LYS:HD2	1:A:67:LYS:HG3	7	18.14
(1,606)	1:A:39:LYS:HD2	1:B:67:LYS:HG3	7	18.14
(1,606)	1:B:39:LYS:HD2	1:A:67:LYS:HG3	7	18.14
(1,606)	1:B:39:LYS:HD2	1:B:67:LYS:HG3	7	18.14
(1,606)	1:B:39:LYS:HD3	1:A:67:LYS:HG3	7	18.14
(1,606)	1:B:39:LYS:HD3	1:B:67:LYS:HG3	7	18.14
(1,429)	1:A:69:SER:HA	1:A:44:LYS:HD2	17	18.14
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD2	17	18.14
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD3	17	18.14
(1,429)	1:B:69:SER:HA	1:A:44:LYS:HD2	17	18.14
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD2	17	18.14
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD3	17	18.14
(1,672)	1:A:39:LYS:HG2	1:A:67:LYS:HG2	2	18.12
(1,672)	1:A:39:LYS:HG2	1:B:67:LYS:HG2	2	18.12
(1,672)	1:B:39:LYS:HG2	1:A:67:LYS:HG2	2	18.12
(1,672)	1:B:39:LYS:HG2	1:B:67:LYS:HG2	2	18.12
(1,457)	1:A:69:SER:HA	1:A:44:LYS:HE2	10	18.12
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE2	10	18.12
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE3	10	18.12
(1,457)	1:B:69:SER:HA	1:A:44:LYS:HE2	10	18.12
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE2	10	18.12
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE3	10	18.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,336)	1:A:66:LYS:H	1:A:43:GLU:HG2	8	18.12
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG2	8	18.12
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG3	8	18.12
(1,336)	1:B:66:LYS:H	1:A:43:GLU:HG2	8	18.12
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG2	8	18.12
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG3	8	18.12
(1,297)	1:A:70:SER:H	1:A:45:ARG:HG3	3	18.12
(1,297)	1:A:70:SER:H	1:B:45:ARG:HG3	3	18.12
(1,297)	1:B:70:SER:H	1:A:45:ARG:HG3	3	18.12
(1,297)	1:B:70:SER:H	1:B:45:ARG:HG3	3	18.12
(1,336)	1:A:66:LYS:H	1:A:43:GLU:HG2	4	18.11
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG2	4	18.11
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG3	4	18.11
(1,336)	1:B:66:LYS:H	1:A:43:GLU:HG2	4	18.11
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG2	4	18.11
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG3	4	18.11
(1,605)	1:A:39:LYS:HD2	1:A:67:LYS:HG2	6	18.09
(1,605)	1:A:39:LYS:HD2	1:B:67:LYS:HG2	6	18.09
(1,605)	1:B:39:LYS:HD2	1:A:67:LYS:HG2	6	18.09
(1,605)	1:B:39:LYS:HD2	1:B:67:LYS:HG2	6	18.09
(1,605)	1:B:39:LYS:HD3	1:A:67:LYS:HG2	6	18.09
(1,605)	1:B:39:LYS:HD3	1:B:67:LYS:HG2	6	18.09
(1,599)	1:A:69:SER:HB2	1:A:44:LYS:HE2	10	18.08
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE2	10	18.08
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE3	10	18.08
(1,599)	1:A:69:SER:HB3	1:A:44:LYS:HE2	10	18.08
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE2	10	18.08
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE3	10	18.08
(1,599)	1:B:69:SER:HB2	1:A:44:LYS:HE2	10	18.08
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE2	10	18.08
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE3	10	18.08
(1,599)	1:B:69:SER:HB3	1:A:44:LYS:HE2	10	18.08
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE2	10	18.08
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE3	10	18.08
(1,434)	1:A:63:ASP:HB2	1:A:39:LYS:HG2	10	18.07
(1,434)	1:A:63:ASP:HB2	1:B:39:LYS:HG2	10	18.07
(1,434)	1:A:63:ASP:HB3	1:A:39:LYS:HG2	10	18.07
(1,434)	1:A:63:ASP:HB3	1:B:39:LYS:HG2	10	18.07
(1,434)	1:B:63:ASP:HB2	1:A:39:LYS:HG2	10	18.07
(1,434)	1:B:63:ASP:HB2	1:B:39:LYS:HG2	10	18.07
(1,434)	1:B:63:ASP:HB3	1:A:39:LYS:HG2	10	18.07
(1,434)	1:B:63:ASP:HB3	1:B:39:LYS:HG2	10	18.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,434)	1:A:63:ASP:HB2	1:A:39:LYS:HG2	12	18.07
(1,434)	1:A:63:ASP:HB2	1:B:39:LYS:HG2	12	18.07
(1,434)	1:A:63:ASP:HB3	1:A:39:LYS:HG2	12	18.07
(1,434)	1:A:63:ASP:HB3	1:B:39:LYS:HG2	12	18.07
(1,434)	1:B:63:ASP:HB2	1:A:39:LYS:HG2	12	18.07
(1,434)	1:B:63:ASP:HB2	1:B:39:LYS:HG2	12	18.07
(1,434)	1:B:63:ASP:HB3	1:A:39:LYS:HG2	12	18.07
(1,434)	1:B:63:ASP:HB3	1:B:39:LYS:HG2	12	18.07
(1,328)	1:A:69:SER:H	1:A:44:LYS:HE2	20	18.07
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE2	20	18.07
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE3	20	18.07
(1,328)	1:B:69:SER:H	1:A:44:LYS:HE2	20	18.07
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE2	20	18.07
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE3	20	18.07
(1,595)	1:A:39:LYS:HG3	1:A:67:LYS:HB2	9	18.05
(1,595)	1:A:39:LYS:HG3	1:B:67:LYS:HB2	9	18.05
(1,595)	1:B:39:LYS:HG3	1:A:67:LYS:HB2	9	18.05
(1,595)	1:B:39:LYS:HG3	1:B:67:LYS:HB2	9	18.05
(1,441)	1:A:68:ASP:HA	1:A:43:GLU:HG2	1	18.05
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG2	1	18.05
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG3	1	18.05
(1,441)	1:B:68:ASP:HA	1:A:43:GLU:HG2	1	18.05
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG2	1	18.05
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG3	1	18.05
(1,42)	1:A:43:GLU:HG2	1:A:69:SER:H	20	18.05
(1,42)	1:A:43:GLU:HG2	1:B:69:SER:H	20	18.05
(1,42)	1:B:43:GLU:HG2	1:A:69:SER:H	20	18.05
(1,42)	1:B:43:GLU:HG2	1:B:69:SER:H	20	18.05
(1,42)	1:B:43:GLU:HG3	1:A:69:SER:H	20	18.05
(1,42)	1:B:43:GLU:HG3	1:B:69:SER:H	20	18.05
(1,617)	1:A:39:LYS:HG2	1:A:67:LYS:HG3	15	18.04
(1,617)	1:A:39:LYS:HG2	1:B:67:LYS:HG3	15	18.04
(1,617)	1:B:39:LYS:HG2	1:A:67:LYS:HG3	15	18.04
(1,617)	1:B:39:LYS:HG2	1:B:67:LYS:HG3	15	18.04
(1,611)	1:A:39:LYS:HG3	1:A:67:LYS:HG2	11	18.04
(1,611)	1:A:39:LYS:HG3	1:B:67:LYS:HG2	11	18.04
(1,611)	1:B:39:LYS:HG3	1:A:67:LYS:HG2	11	18.04
(1,611)	1:B:39:LYS:HG3	1:B:67:LYS:HG2	11	18.04
(1,434)	1:A:63:ASP:HB2	1:A:39:LYS:HG2	7	18.04
(1,434)	1:A:63:ASP:HB2	1:B:39:LYS:HG2	7	18.04
(1,434)	1:A:63:ASP:HB3	1:A:39:LYS:HG2	7	18.04
(1,434)	1:A:63:ASP:HB3	1:B:39:LYS:HG2	7	18.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,434)	1:B:63:ASP:HB2	1:A:39:LYS:HG2	7	18.04
(1,434)	1:B:63:ASP:HB2	1:B:39:LYS:HG2	7	18.04
(1,434)	1:B:63:ASP:HB3	1:A:39:LYS:HG2	7	18.04
(1,434)	1:B:63:ASP:HB3	1:B:39:LYS:HG2	7	18.04
(1,328)	1:A:69:SER:H	1:A:44:LYS:HE2	13	18.04
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE2	13	18.04
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE3	13	18.04
(1,328)	1:B:69:SER:H	1:A:44:LYS:HE2	13	18.04
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE2	13	18.04
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE3	13	18.04
(1,611)	1:A:39:LYS:HG3	1:A:67:LYS:HG2	2	18.03
(1,611)	1:A:39:LYS:HG3	1:B:67:LYS:HG2	2	18.03
(1,611)	1:B:39:LYS:HG3	1:A:67:LYS:HG2	2	18.03
(1,611)	1:B:39:LYS:HG3	1:B:67:LYS:HG2	2	18.03
(1,525)	1:A:44:LYS:HE2	1:A:70:SER:H	15	18.03
(1,525)	1:A:44:LYS:HE2	1:B:70:SER:H	15	18.03
(1,525)	1:B:44:LYS:HE2	1:A:70:SER:H	15	18.03
(1,525)	1:B:44:LYS:HE2	1:B:70:SER:H	15	18.03
(1,525)	1:B:44:LYS:HE3	1:A:70:SER:H	15	18.03
(1,525)	1:B:44:LYS:HE3	1:B:70:SER:H	15	18.03
(1,617)	1:A:39:LYS:HG2	1:A:67:LYS:HG3	1	18.02
(1,617)	1:A:39:LYS:HG2	1:B:67:LYS:HG3	1	18.02
(1,617)	1:B:39:LYS:HG2	1:A:67:LYS:HG3	1	18.02
(1,617)	1:B:39:LYS:HG2	1:B:67:LYS:HG3	1	18.02
(1,441)	1:A:68:ASP:HA	1:A:43:GLU:HG2	7	18.01
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG2	7	18.01
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG3	7	18.01
(1,441)	1:B:68:ASP:HA	1:A:43:GLU:HG2	7	18.01
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG2	7	18.01
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG3	7	18.01
(1,429)	1:A:69:SER:HA	1:A:44:LYS:HD2	15	18.01
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD2	15	18.01
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD3	15	18.01
(1,429)	1:B:69:SER:HA	1:A:44:LYS:HD2	15	18.01
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD2	15	18.01
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD3	15	18.01
(1,429)	1:A:69:SER:HA	1:A:44:LYS:HD2	18	18.0
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD2	18	18.0
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD3	18	18.0
(1,429)	1:B:69:SER:HA	1:A:44:LYS:HD2	18	18.0
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD2	18	18.0
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD3	18	18.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,297)	1:A:70:SER:H	1:A:45:ARG:HG3	8	18.0
(1,297)	1:A:70:SER:H	1:B:45:ARG:HG3	8	18.0
(1,297)	1:B:70:SER:H	1:A:45:ARG:HG3	8	18.0
(1,297)	1:B:70:SER:H	1:B:45:ARG:HG3	8	18.0
(1,612)	1:A:41:ILE:HG12	1:A:67:LYS:HG2	9	17.99
(1,612)	1:A:41:ILE:HG12	1:B:67:LYS:HG2	9	17.99
(1,612)	1:B:41:ILE:HG12	1:A:67:LYS:HG2	9	17.99
(1,612)	1:B:41:ILE:HG12	1:B:67:LYS:HG2	9	17.99
(1,457)	1:A:69:SER:HA	1:A:44:LYS:HE2	8	17.99
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE2	8	17.99
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE3	8	17.99
(1,457)	1:B:69:SER:HA	1:A:44:LYS:HE2	8	17.99
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE2	8	17.99
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE3	8	17.99
(1,426)	1:A:70:SER:HA	1:A:45:ARG:HG3	5	17.99
(1,426)	1:A:70:SER:HA	1:B:45:ARG:HG3	5	17.99
(1,426)	1:B:70:SER:HA	1:A:45:ARG:HG3	5	17.99
(1,426)	1:B:70:SER:HA	1:B:45:ARG:HG3	5	17.99
(1,604)	1:A:61:ILE:HD11	1:A:36:LYS:HE2	6	17.98
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE2	6	17.98
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE3	6	17.98
(1,604)	1:A:61:ILE:HD12	1:A:36:LYS:HE2	6	17.98
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE2	6	17.98
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE3	6	17.98
(1,604)	1:A:61:ILE:HD13	1:A:36:LYS:HE2	6	17.98
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE2	6	17.98
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE3	6	17.98
(1,604)	1:B:61:ILE:HD11	1:A:36:LYS:HE2	6	17.98
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE2	6	17.98
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE3	6	17.98
(1,604)	1:B:61:ILE:HD12	1:A:36:LYS:HE2	6	17.98
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE2	6	17.98
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE3	6	17.98
(1,604)	1:B:61:ILE:HD13	1:A:36:LYS:HE2	6	17.98
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE2	6	17.98
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE3	6	17.98
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD11	8	17.98
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD12	8	17.98
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD13	8	17.98
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD11	8	17.98
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD12	8	17.98
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD13	8	17.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD11	8	17.98
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD12	8	17.98
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD13	8	17.98
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD11	8	17.98
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD12	8	17.98
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD13	8	17.98
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD11	8	17.98
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD12	8	17.98
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD13	8	17.98
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD11	8	17.98
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD12	8	17.98
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD13	8	17.98
(1,525)	1:A:44:LYS:HE2	1:A:70:SER:H	5	17.98
(1,525)	1:A:44:LYS:HE2	1:B:70:SER:H	5	17.98
(1,525)	1:B:44:LYS:HE2	1:A:70:SER:H	5	17.98
(1,525)	1:B:44:LYS:HE2	1:B:70:SER:H	5	17.98
(1,525)	1:B:44:LYS:HE3	1:A:70:SER:H	5	17.98
(1,525)	1:B:44:LYS:HE3	1:B:70:SER:H	5	17.98
(1,465)	1:A:61:ILE:HA	1:A:36:LYS:HE2	20	17.98
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE2	20	17.98
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE3	20	17.98
(1,465)	1:B:61:ILE:HA	1:A:36:LYS:HE2	20	17.98
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE2	20	17.98
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE3	20	17.98
(1,780)	1:A:64:ALA:HB1	1:A:39:LYS:HE2	1	17.97
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE2	1	17.97
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE3	1	17.97
(1,780)	1:A:64:ALA:HB2	1:A:39:LYS:HE2	1	17.97
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE2	1	17.97
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE3	1	17.97
(1,780)	1:A:64:ALA:HB3	1:A:39:LYS:HE2	1	17.97
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE2	1	17.97
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE3	1	17.97
(1,780)	1:B:64:ALA:HB1	1:A:39:LYS:HE2	1	17.97
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE2	1	17.97
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE3	1	17.97
(1,780)	1:B:64:ALA:HB2	1:A:39:LYS:HE2	1	17.97
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE2	1	17.97
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE3	1	17.97
(1,780)	1:B:64:ALA:HB3	1:A:39:LYS:HE2	1	17.97
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE2	1	17.97
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE3	1	17.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,697)	1:A:70:SER:HA	1:A:45:ARG:HG2	5	17.97
(1,697)	1:A:70:SER:HA	1:B:45:ARG:HG2	5	17.97
(1,697)	1:B:70:SER:HA	1:A:45:ARG:HG2	5	17.97
(1,697)	1:B:70:SER:HA	1:B:45:ARG:HG2	5	17.97
(1,42)	1:A:43:GLU:HG2	1:A:69:SER:H	4	17.96
(1,42)	1:A:43:GLU:HG2	1:B:69:SER:H	4	17.96
(1,42)	1:B:43:GLU:HG2	1:A:69:SER:H	4	17.96
(1,42)	1:B:43:GLU:HG2	1:B:69:SER:H	4	17.96
(1,42)	1:B:43:GLU:HG3	1:A:69:SER:H	4	17.96
(1,42)	1:B:43:GLU:HG3	1:B:69:SER:H	4	17.96
(1,303)	1:A:70:SER:H	1:A:45:ARG:HG2	5	17.96
(1,303)	1:A:70:SER:H	1:B:45:ARG:HG2	5	17.96
(1,303)	1:B:70:SER:H	1:A:45:ARG:HG2	5	17.96
(1,303)	1:B:70:SER:H	1:B:45:ARG:HG2	5	17.96
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD21	19	17.95
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD22	19	17.95
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD23	19	17.95
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD21	19	17.95
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD22	19	17.95
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD23	19	17.95
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD21	19	17.95
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD22	19	17.95
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD23	19	17.95
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD21	19	17.95
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD22	19	17.95
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD23	19	17.95
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD21	19	17.95
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD22	19	17.95
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD23	19	17.95
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD21	19	17.95
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD22	19	17.95
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD23	19	17.95
(1,441)	1:A:68:ASP:HA	1:A:43:GLU:HG2	16	17.95
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG2	16	17.95
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG3	16	17.95
(1,441)	1:B:68:ASP:HA	1:A:43:GLU:HG2	16	17.95
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG2	16	17.95
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG3	16	17.95
(1,42)	1:A:43:GLU:HG2	1:A:69:SER:H	8	17.95
(1,42)	1:A:43:GLU:HG2	1:B:69:SER:H	8	17.95
(1,42)	1:B:43:GLU:HG2	1:A:69:SER:H	8	17.95
(1,42)	1:B:43:GLU:HG2	1:B:69:SER:H	8	17.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:B:43:GLU:HG3	1:A:69:SER:H	8	17.95
(1,42)	1:B:43:GLU:HG3	1:B:69:SER:H	8	17.95
(1,297)	1:A:70:SER:H	1:A:45:ARG:HG3	16	17.95
(1,297)	1:A:70:SER:H	1:B:45:ARG:HG3	16	17.95
(1,297)	1:B:70:SER:H	1:A:45:ARG:HG3	16	17.95
(1,297)	1:B:70:SER:H	1:B:45:ARG:HG3	16	17.95
(1,697)	1:A:70:SER:HA	1:A:45:ARG:HG2	4	17.94
(1,697)	1:A:70:SER:HA	1:B:45:ARG:HG2	4	17.94
(1,697)	1:B:70:SER:HA	1:A:45:ARG:HG2	4	17.94
(1,697)	1:B:70:SER:HA	1:B:45:ARG:HG2	4	17.94
(1,672)	1:A:39:LYS:HG2	1:A:67:LYS:HG2	15	17.94
(1,672)	1:A:39:LYS:HG2	1:B:67:LYS:HG2	15	17.94
(1,672)	1:B:39:LYS:HG2	1:A:67:LYS:HG2	15	17.94
(1,672)	1:B:39:LYS:HG2	1:B:67:LYS:HG2	15	17.94
(1,42)	1:A:43:GLU:HG2	1:A:69:SER:H	6	17.94
(1,42)	1:A:43:GLU:HG2	1:B:69:SER:H	6	17.94
(1,42)	1:B:43:GLU:HG2	1:A:69:SER:H	6	17.94
(1,42)	1:B:43:GLU:HG2	1:B:69:SER:H	6	17.94
(1,42)	1:B:43:GLU:HG3	1:A:69:SER:H	6	17.94
(1,42)	1:B:43:GLU:HG3	1:B:69:SER:H	6	17.94
(1,303)	1:A:70:SER:H	1:A:45:ARG:HG2	4	17.94
(1,303)	1:A:70:SER:H	1:B:45:ARG:HG2	4	17.94
(1,303)	1:B:70:SER:H	1:A:45:ARG:HG2	4	17.94
(1,303)	1:B:70:SER:H	1:B:45:ARG:HG2	4	17.94
(1,780)	1:A:64:ALA:HB1	1:A:39:LYS:HE2	7	17.93
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE2	7	17.93
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE3	7	17.93
(1,780)	1:A:64:ALA:HB2	1:A:39:LYS:HE2	7	17.93
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE2	7	17.93
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE3	7	17.93
(1,780)	1:A:64:ALA:HB3	1:A:39:LYS:HE2	7	17.93
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE2	7	17.93
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE3	7	17.93
(1,780)	1:B:64:ALA:HB1	1:A:39:LYS:HE2	7	17.93
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE2	7	17.93
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE3	7	17.93
(1,780)	1:B:64:ALA:HB2	1:A:39:LYS:HE2	7	17.93
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE2	7	17.93
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE3	7	17.93
(1,780)	1:B:64:ALA:HB3	1:A:39:LYS:HE2	7	17.93
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE2	7	17.93
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE3	7	17.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,612)	1:A:41:ILE:HG12	1:A:67:LYS:HG2	2	17.93
(1,612)	1:A:41:ILE:HG12	1:B:67:LYS:HG2	2	17.93
(1,612)	1:B:41:ILE:HG12	1:A:67:LYS:HG2	2	17.93
(1,612)	1:B:41:ILE:HG12	1:B:67:LYS:HG2	2	17.93
(1,612)	1:A:41:ILE:HG12	1:A:67:LYS:HG2	13	17.93
(1,612)	1:A:41:ILE:HG12	1:B:67:LYS:HG2	13	17.93
(1,612)	1:B:41:ILE:HG12	1:A:67:LYS:HG2	13	17.93
(1,612)	1:B:41:ILE:HG12	1:B:67:LYS:HG2	13	17.93
(1,606)	1:A:39:LYS:HD2	1:A:67:LYS:HG3	15	17.93
(1,606)	1:A:39:LYS:HD2	1:B:67:LYS:HG3	15	17.93
(1,606)	1:B:39:LYS:HD2	1:A:67:LYS:HG3	15	17.93
(1,606)	1:B:39:LYS:HD2	1:B:67:LYS:HG3	15	17.93
(1,606)	1:B:39:LYS:HD3	1:A:67:LYS:HG3	15	17.93
(1,606)	1:B:39:LYS:HD3	1:B:67:LYS:HG3	15	17.93
(1,429)	1:A:69:SER:HA	1:A:44:LYS:HD2	3	17.93
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD2	3	17.93
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD3	3	17.93
(1,429)	1:B:69:SER:HA	1:A:44:LYS:HD2	3	17.93
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD2	3	17.93
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD3	3	17.93
(1,336)	1:A:66:LYS:H	1:A:43:GLU:HG2	3	17.93
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG2	3	17.93
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG3	3	17.93
(1,336)	1:B:66:LYS:H	1:A:43:GLU:HG2	3	17.93
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG2	3	17.93
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG3	3	17.93
(1,434)	1:A:63:ASP:HB2	1:A:39:LYS:HG2	1	17.92
(1,434)	1:A:63:ASP:HB2	1:B:39:LYS:HG2	1	17.92
(1,434)	1:A:63:ASP:HB3	1:A:39:LYS:HG2	1	17.92
(1,434)	1:A:63:ASP:HB3	1:B:39:LYS:HG2	1	17.92
(1,434)	1:B:63:ASP:HB2	1:A:39:LYS:HG2	1	17.92
(1,434)	1:B:63:ASP:HB2	1:B:39:LYS:HG2	1	17.92
(1,434)	1:B:63:ASP:HB3	1:A:39:LYS:HG2	1	17.92
(1,434)	1:B:63:ASP:HB3	1:B:39:LYS:HG2	1	17.92
(1,297)	1:A:70:SER:H	1:A:45:ARG:HG3	11	17.92
(1,297)	1:A:70:SER:H	1:B:45:ARG:HG3	11	17.92
(1,297)	1:B:70:SER:H	1:A:45:ARG:HG3	11	17.92
(1,297)	1:B:70:SER:H	1:B:45:ARG:HG3	11	17.92
(1,525)	1:A:44:LYS:HE2	1:A:70:SER:H	14	17.91
(1,525)	1:A:44:LYS:HE2	1:B:70:SER:H	14	17.91
(1,525)	1:B:44:LYS:HE2	1:A:70:SER:H	14	17.91
(1,525)	1:B:44:LYS:HE2	1:B:70:SER:H	14	17.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,525)	1:B:44:LYS:HE3	1:A:70:SER:H	14	17.91
(1,525)	1:B:44:LYS:HE3	1:B:70:SER:H	14	17.91
(1,429)	1:A:69:SER:HA	1:A:44:LYS:HD2	9	17.91
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD2	9	17.91
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD3	9	17.91
(1,429)	1:B:69:SER:HA	1:A:44:LYS:HD2	9	17.91
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD2	9	17.91
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD3	9	17.91
(1,336)	1:A:66:LYS:H	1:A:43:GLU:HG2	17	17.91
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG2	17	17.91
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG3	17	17.91
(1,336)	1:B:66:LYS:H	1:A:43:GLU:HG2	17	17.91
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG2	17	17.91
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG3	17	17.91
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD21	13	17.9
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD22	13	17.9
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD23	13	17.9
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD21	13	17.9
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD22	13	17.9
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD23	13	17.9
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD21	13	17.9
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD22	13	17.9
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD23	13	17.9
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD21	13	17.9
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD22	13	17.9
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD23	13	17.9
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD21	13	17.9
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD22	13	17.9
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD23	13	17.9
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD21	13	17.9
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD22	13	17.9
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD23	13	17.9
(1,525)	1:A:44:LYS:HE2	1:A:70:SER:H	9	17.9
(1,525)	1:A:44:LYS:HE2	1:B:70:SER:H	9	17.9
(1,525)	1:B:44:LYS:HE2	1:A:70:SER:H	9	17.9
(1,525)	1:B:44:LYS:HE2	1:B:70:SER:H	9	17.9
(1,525)	1:B:44:LYS:HE3	1:A:70:SER:H	9	17.9
(1,525)	1:B:44:LYS:HE3	1:B:70:SER:H	9	17.9
(1,441)	1:A:68:ASP:HA	1:A:43:GLU:HG2	2	17.9
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG2	2	17.9
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG3	2	17.9
(1,441)	1:B:68:ASP:HA	1:A:43:GLU:HG2	2	17.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG2	2	17.9
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG3	2	17.9
(1,611)	1:A:39:LYS:HG3	1:A:67:LYS:HG2	14	17.88
(1,611)	1:A:39:LYS:HG3	1:B:67:LYS:HG2	14	17.88
(1,611)	1:B:39:LYS:HG3	1:A:67:LYS:HG2	14	17.88
(1,611)	1:B:39:LYS:HG3	1:B:67:LYS:HG2	14	17.88
(1,477)	1:A:66:LYS:HA	1:A:45:ARG:HD2	4	17.88
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD2	4	17.88
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD3	4	17.88
(1,477)	1:B:66:LYS:HA	1:A:45:ARG:HD2	4	17.88
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD2	4	17.88
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD3	4	17.88
(1,336)	1:A:66:LYS:H	1:A:43:GLU:HG2	14	17.88
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG2	14	17.88
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG3	14	17.88
(1,336)	1:B:66:LYS:H	1:A:43:GLU:HG2	14	17.88
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG2	14	17.88
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG3	14	17.88
(1,612)	1:A:41:ILE:HG12	1:A:67:LYS:HG2	12	17.87
(1,612)	1:A:41:ILE:HG12	1:B:67:LYS:HG2	12	17.87
(1,612)	1:B:41:ILE:HG12	1:A:67:LYS:HG2	12	17.87
(1,612)	1:B:41:ILE:HG12	1:B:67:LYS:HG2	12	17.87
(1,477)	1:A:66:LYS:HA	1:A:45:ARG:HD2	2	17.87
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD2	2	17.87
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD3	2	17.87
(1,477)	1:B:66:LYS:HA	1:A:45:ARG:HD2	2	17.87
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD2	2	17.87
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD3	2	17.87
(1,297)	1:A:70:SER:H	1:A:45:ARG:HG3	1	17.87
(1,297)	1:A:70:SER:H	1:B:45:ARG:HG3	1	17.87
(1,297)	1:B:70:SER:H	1:A:45:ARG:HG3	1	17.87
(1,297)	1:B:70:SER:H	1:B:45:ARG:HG3	1	17.87
(1,611)	1:A:39:LYS:HG3	1:A:67:LYS:HG2	7	17.86
(1,611)	1:A:39:LYS:HG3	1:B:67:LYS:HG2	7	17.86
(1,611)	1:B:39:LYS:HG3	1:A:67:LYS:HG2	7	17.86
(1,611)	1:B:39:LYS:HG3	1:B:67:LYS:HG2	7	17.86
(1,336)	1:A:66:LYS:H	1:A:43:GLU:HG2	9	17.86
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG2	9	17.86
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG3	9	17.86
(1,336)	1:B:66:LYS:H	1:A:43:GLU:HG2	9	17.86
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG2	9	17.86
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG3	9	17.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,328)	1:A:69:SER:H	1:A:44:LYS:HE2	7	17.86
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE2	7	17.86
(1,328)	1:A:69:SER:H	1:B:44:LYS:HE3	7	17.86
(1,328)	1:B:69:SER:H	1:A:44:LYS:HE2	7	17.86
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE2	7	17.86
(1,328)	1:B:69:SER:H	1:B:44:LYS:HE3	7	17.86
(1,677)	1:A:39:LYS:HG3	1:A:67:LYS:HG3	7	17.85
(1,677)	1:A:39:LYS:HG3	1:B:67:LYS:HG3	7	17.85
(1,677)	1:B:39:LYS:HG3	1:A:67:LYS:HG3	7	17.85
(1,677)	1:B:39:LYS:HG3	1:B:67:LYS:HG3	7	17.85
(1,525)	1:A:44:LYS:HE2	1:A:70:SER:H	2	17.85
(1,525)	1:A:44:LYS:HE2	1:B:70:SER:H	2	17.85
(1,525)	1:B:44:LYS:HE2	1:A:70:SER:H	2	17.85
(1,525)	1:B:44:LYS:HE2	1:B:70:SER:H	2	17.85
(1,525)	1:B:44:LYS:HE3	1:A:70:SER:H	2	17.85
(1,525)	1:B:44:LYS:HE3	1:B:70:SER:H	2	17.85
(1,599)	1:A:69:SER:HB2	1:A:44:LYS:HE2	5	17.84
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE2	5	17.84
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE3	5	17.84
(1,599)	1:A:69:SER:HB3	1:A:44:LYS:HE2	5	17.84
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE2	5	17.84
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE3	5	17.84
(1,599)	1:B:69:SER:HB2	1:A:44:LYS:HE2	5	17.84
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE2	5	17.84
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE3	5	17.84
(1,599)	1:B:69:SER:HB3	1:A:44:LYS:HE2	5	17.84
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE2	5	17.84
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE3	5	17.84
(1,42)	1:A:43:GLU:HG2	1:A:69:SER:H	3	17.84
(1,42)	1:A:43:GLU:HG2	1:B:69:SER:H	3	17.84
(1,42)	1:B:43:GLU:HG2	1:A:69:SER:H	3	17.84
(1,42)	1:B:43:GLU:HG2	1:B:69:SER:H	3	17.84
(1,42)	1:B:43:GLU:HG3	1:A:69:SER:H	3	17.84
(1,42)	1:B:43:GLU:HG3	1:B:69:SER:H	3	17.84
(1,336)	1:A:66:LYS:H	1:A:43:GLU:HG2	18	17.84
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG2	18	17.84
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG3	18	17.84
(1,336)	1:B:66:LYS:H	1:A:43:GLU:HG2	18	17.84
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG2	18	17.84
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG3	18	17.84
(1,336)	1:A:66:LYS:H	1:A:43:GLU:HG2	19	17.84
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG2	19	17.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG3	19	17.84
(1,336)	1:B:66:LYS:H	1:A:43:GLU:HG2	19	17.84
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG2	19	17.84
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG3	19	17.84
(1,595)	1:A:39:LYS:HG3	1:A:67:LYS:HB2	4	17.83
(1,595)	1:A:39:LYS:HG3	1:B:67:LYS:HB2	4	17.83
(1,595)	1:B:39:LYS:HG3	1:A:67:LYS:HB2	4	17.83
(1,595)	1:B:39:LYS:HG3	1:B:67:LYS:HB2	4	17.83
(1,477)	1:A:66:LYS:HA	1:A:45:ARG:HD2	9	17.82
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD2	9	17.82
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD3	9	17.82
(1,477)	1:B:66:LYS:HA	1:A:45:ARG:HD2	9	17.82
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD2	9	17.82
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD3	9	17.82
(1,336)	1:A:66:LYS:H	1:A:43:GLU:HG2	6	17.82
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG2	6	17.82
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG3	6	17.82
(1,336)	1:B:66:LYS:H	1:A:43:GLU:HG2	6	17.82
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG2	6	17.82
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG3	6	17.82
(1,336)	1:A:66:LYS:H	1:A:43:GLU:HG2	20	17.82
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG2	20	17.82
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG3	20	17.82
(1,336)	1:B:66:LYS:H	1:A:43:GLU:HG2	20	17.82
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG2	20	17.82
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG3	20	17.82
(1,525)	1:A:44:LYS:HE2	1:A:70:SER:H	10	17.81
(1,525)	1:A:44:LYS:HE2	1:B:70:SER:H	10	17.81
(1,525)	1:B:44:LYS:HE2	1:A:70:SER:H	10	17.81
(1,525)	1:B:44:LYS:HE2	1:B:70:SER:H	10	17.81
(1,525)	1:B:44:LYS:HE3	1:A:70:SER:H	10	17.81
(1,525)	1:B:44:LYS:HE3	1:B:70:SER:H	10	17.81
(1,429)	1:A:69:SER:HA	1:A:44:LYS:HD2	6	17.81
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD2	6	17.81
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD3	6	17.81
(1,429)	1:B:69:SER:HA	1:A:44:LYS:HD2	6	17.81
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD2	6	17.81
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD3	6	17.81
(1,426)	1:A:70:SER:HA	1:A:45:ARG:HG3	4	17.81
(1,426)	1:A:70:SER:HA	1:B:45:ARG:HG3	4	17.81
(1,426)	1:B:70:SER:HA	1:A:45:ARG:HG3	4	17.81
(1,426)	1:B:70:SER:HA	1:B:45:ARG:HG3	4	17.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,595)	1:A:39:LYS:HG3	1:A:67:LYS:HB2	20	17.8
(1,595)	1:A:39:LYS:HG3	1:B:67:LYS:HB2	20	17.8
(1,595)	1:B:39:LYS:HG3	1:A:67:LYS:HB2	20	17.8
(1,595)	1:B:39:LYS:HG3	1:B:67:LYS:HB2	20	17.8
(1,606)	1:A:39:LYS:HD2	1:A:67:LYS:HG3	1	17.79
(1,606)	1:A:39:LYS:HD2	1:B:67:LYS:HG3	1	17.79
(1,606)	1:B:39:LYS:HD2	1:A:67:LYS:HG3	1	17.79
(1,606)	1:B:39:LYS:HD2	1:B:67:LYS:HG3	1	17.79
(1,606)	1:B:39:LYS:HD3	1:A:67:LYS:HG3	1	17.79
(1,606)	1:B:39:LYS:HD3	1:B:67:LYS:HG3	1	17.79
(1,599)	1:A:69:SER:HB2	1:A:44:LYS:HE2	8	17.79
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE2	8	17.79
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE3	8	17.79
(1,599)	1:A:69:SER:HB3	1:A:44:LYS:HE2	8	17.79
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE2	8	17.79
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE3	8	17.79
(1,599)	1:B:69:SER:HB2	1:A:44:LYS:HE2	8	17.79
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE2	8	17.79
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE3	8	17.79
(1,599)	1:B:69:SER:HB3	1:A:44:LYS:HE2	8	17.79
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE2	8	17.79
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE3	8	17.79
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD21	4	17.79
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD22	4	17.79
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD23	4	17.79
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD21	4	17.79
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD22	4	17.79
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD23	4	17.79
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD21	4	17.79
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD22	4	17.79
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD23	4	17.79
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD21	4	17.79
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD22	4	17.79
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD23	4	17.79
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD21	4	17.79
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD22	4	17.79
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD23	4	17.79
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD21	4	17.79
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD22	4	17.79
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD23	4	17.79
(1,518)	1:A:68:ASP:H	1:A:43:GLU:HG2	8	17.78
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG2	8	17.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG3	8	17.78
(1,518)	1:B:68:ASP:H	1:A:43:GLU:HG2	8	17.78
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG2	8	17.78
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG3	8	17.78
(1,672)	1:A:39:LYS:HG2	1:A:67:LYS:HG2	10	17.76
(1,672)	1:A:39:LYS:HG2	1:B:67:LYS:HG2	10	17.76
(1,672)	1:B:39:LYS:HG2	1:A:67:LYS:HG2	10	17.76
(1,672)	1:B:39:LYS:HG2	1:B:67:LYS:HG2	10	17.76
(1,617)	1:A:39:LYS:HG2	1:A:67:LYS:HG3	16	17.76
(1,617)	1:A:39:LYS:HG2	1:B:67:LYS:HG3	16	17.76
(1,617)	1:B:39:LYS:HG2	1:A:67:LYS:HG3	16	17.76
(1,617)	1:B:39:LYS:HG2	1:B:67:LYS:HG3	16	17.76
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD21	3	17.76
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD22	3	17.76
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD23	3	17.76
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD21	3	17.76
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD22	3	17.76
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD23	3	17.76
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD21	3	17.76
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD22	3	17.76
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD23	3	17.76
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD21	3	17.76
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD22	3	17.76
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD23	3	17.76
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD21	3	17.76
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD22	3	17.76
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD23	3	17.76
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD21	3	17.76
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD22	3	17.76
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD23	3	17.76
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD21	17	17.76
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD22	17	17.76
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD23	17	17.76
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD21	17	17.76
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD22	17	17.76
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD23	17	17.76
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD21	17	17.76
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD22	17	17.76
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD23	17	17.76
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD21	17	17.76
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD22	17	17.76
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD23	17	17.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD21	17	17.76
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD22	17	17.76
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD23	17	17.76
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD21	17	17.76
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD22	17	17.76
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD23	17	17.76
(1,525)	1:A:44:LYS:HE2	1:A:70:SER:H	6	17.76
(1,525)	1:A:44:LYS:HE2	1:B:70:SER:H	6	17.76
(1,525)	1:B:44:LYS:HE2	1:A:70:SER:H	6	17.76
(1,525)	1:B:44:LYS:HE2	1:B:70:SER:H	6	17.76
(1,525)	1:B:44:LYS:HE3	1:A:70:SER:H	6	17.76
(1,525)	1:B:44:LYS:HE3	1:B:70:SER:H	6	17.76
(1,477)	1:A:66:LYS:HA	1:A:45:ARG:HD2	13	17.76
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD2	13	17.76
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD3	13	17.76
(1,477)	1:B:66:LYS:HA	1:A:45:ARG:HD2	13	17.76
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD2	13	17.76
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD3	13	17.76
(1,611)	1:A:39:LYS:HG3	1:A:67:LYS:HG2	10	17.75
(1,611)	1:A:39:LYS:HG3	1:B:67:LYS:HG2	10	17.75
(1,611)	1:B:39:LYS:HG3	1:A:67:LYS:HG2	10	17.75
(1,611)	1:B:39:LYS:HG3	1:B:67:LYS:HG2	10	17.75
(1,612)	1:A:41:ILE:HG12	1:A:67:LYS:HG2	6	17.74
(1,612)	1:A:41:ILE:HG12	1:B:67:LYS:HG2	6	17.74
(1,612)	1:B:41:ILE:HG12	1:A:67:LYS:HG2	6	17.74
(1,612)	1:B:41:ILE:HG12	1:B:67:LYS:HG2	6	17.74
(1,612)	1:A:41:ILE:HG12	1:A:67:LYS:HG2	3	17.73
(1,612)	1:A:41:ILE:HG12	1:B:67:LYS:HG2	3	17.73
(1,612)	1:B:41:ILE:HG12	1:A:67:LYS:HG2	3	17.73
(1,612)	1:B:41:ILE:HG12	1:B:67:LYS:HG2	3	17.73
(1,612)	1:A:41:ILE:HG12	1:A:67:LYS:HG2	5	17.73
(1,612)	1:A:41:ILE:HG12	1:B:67:LYS:HG2	5	17.73
(1,612)	1:B:41:ILE:HG12	1:A:67:LYS:HG2	5	17.73
(1,612)	1:B:41:ILE:HG12	1:B:67:LYS:HG2	5	17.73
(1,595)	1:A:39:LYS:HG3	1:A:67:LYS:HB2	13	17.72
(1,595)	1:A:39:LYS:HG3	1:B:67:LYS:HB2	13	17.72
(1,595)	1:B:39:LYS:HG3	1:A:67:LYS:HB2	13	17.72
(1,595)	1:B:39:LYS:HG3	1:B:67:LYS:HB2	13	17.72
(1,595)	1:A:39:LYS:HG3	1:A:67:LYS:HB2	18	17.7
(1,595)	1:A:39:LYS:HG3	1:B:67:LYS:HB2	18	17.7
(1,595)	1:B:39:LYS:HG3	1:A:67:LYS:HB2	18	17.7
(1,595)	1:B:39:LYS:HG3	1:B:67:LYS:HB2	18	17.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:A:43:GLU:HG2	1:A:69:SER:H	5	17.7
(1,42)	1:A:43:GLU:HG2	1:B:69:SER:H	5	17.7
(1,42)	1:B:43:GLU:HG2	1:A:69:SER:H	5	17.7
(1,42)	1:B:43:GLU:HG2	1:B:69:SER:H	5	17.7
(1,42)	1:B:43:GLU:HG3	1:A:69:SER:H	5	17.7
(1,42)	1:B:43:GLU:HG3	1:B:69:SER:H	5	17.7
(1,42)	1:A:43:GLU:HG2	1:A:69:SER:H	18	17.7
(1,42)	1:A:43:GLU:HG2	1:B:69:SER:H	18	17.7
(1,42)	1:B:43:GLU:HG2	1:A:69:SER:H	18	17.7
(1,42)	1:B:43:GLU:HG2	1:B:69:SER:H	18	17.7
(1,42)	1:B:43:GLU:HG3	1:A:69:SER:H	18	17.7
(1,42)	1:B:43:GLU:HG3	1:B:69:SER:H	18	17.7
(1,336)	1:A:66:LYS:H	1:A:43:GLU:HG2	13	17.7
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG2	13	17.7
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG3	13	17.7
(1,336)	1:B:66:LYS:H	1:A:43:GLU:HG2	13	17.7
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG2	13	17.7
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG3	13	17.7
(1,697)	1:A:70:SER:HA	1:A:45:ARG:HG2	1	17.69
(1,697)	1:A:70:SER:HA	1:B:45:ARG:HG2	1	17.69
(1,697)	1:B:70:SER:HA	1:A:45:ARG:HG2	1	17.69
(1,697)	1:B:70:SER:HA	1:B:45:ARG:HG2	1	17.69
(1,457)	1:A:69:SER:HA	1:A:44:LYS:HE2	5	17.69
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE2	5	17.69
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE3	5	17.69
(1,457)	1:B:69:SER:HA	1:A:44:LYS:HE2	5	17.69
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE2	5	17.69
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE3	5	17.69
(1,42)	1:A:43:GLU:HG2	1:A:69:SER:H	17	17.69
(1,42)	1:A:43:GLU:HG2	1:B:69:SER:H	17	17.69
(1,42)	1:B:43:GLU:HG2	1:A:69:SER:H	17	17.69
(1,42)	1:B:43:GLU:HG2	1:B:69:SER:H	17	17.69
(1,42)	1:B:43:GLU:HG3	1:A:69:SER:H	17	17.69
(1,42)	1:B:43:GLU:HG3	1:B:69:SER:H	17	17.69
(1,518)	1:A:68:ASP:H	1:A:43:GLU:HG2	4	17.68
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG2	4	17.68
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG3	4	17.68
(1,518)	1:B:68:ASP:H	1:A:43:GLU:HG2	4	17.68
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG2	4	17.68
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG3	4	17.68
(1,525)	1:A:44:LYS:HE2	1:A:70:SER:H	19	17.67
(1,525)	1:A:44:LYS:HE2	1:B:70:SER:H	19	17.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,525)	1:B:44:LYS:HE2	1:A:70:SER:H	19	17.67
(1,525)	1:B:44:LYS:HE2	1:B:70:SER:H	19	17.67
(1,525)	1:B:44:LYS:HE3	1:A:70:SER:H	19	17.67
(1,525)	1:B:44:LYS:HE3	1:B:70:SER:H	19	17.67
(1,303)	1:A:70:SER:H	1:A:45:ARG:HG2	19	17.67
(1,303)	1:A:70:SER:H	1:B:45:ARG:HG2	19	17.67
(1,303)	1:B:70:SER:H	1:A:45:ARG:HG2	19	17.67
(1,303)	1:B:70:SER:H	1:B:45:ARG:HG2	19	17.67
(1,297)	1:A:70:SER:H	1:A:45:ARG:HG3	15	17.67
(1,297)	1:A:70:SER:H	1:B:45:ARG:HG3	15	17.67
(1,297)	1:B:70:SER:H	1:A:45:ARG:HG3	15	17.67
(1,297)	1:B:70:SER:H	1:B:45:ARG:HG3	15	17.67
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD21	15	17.66
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD22	15	17.66
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD23	15	17.66
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD21	15	17.66
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD22	15	17.66
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD23	15	17.66
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD21	15	17.66
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD22	15	17.66
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD23	15	17.66
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD21	15	17.66
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD22	15	17.66
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD23	15	17.66
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD21	15	17.66
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD22	15	17.66
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD23	15	17.66
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD21	15	17.66
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD22	15	17.66
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD23	15	17.66
(1,617)	1:A:39:LYS:HG2	1:A:67:LYS:HG3	2	17.65
(1,617)	1:A:39:LYS:HG2	1:B:67:LYS:HG3	2	17.65
(1,617)	1:B:39:LYS:HG2	1:A:67:LYS:HG3	2	17.65
(1,617)	1:B:39:LYS:HG2	1:B:67:LYS:HG3	2	17.65
(1,606)	1:A:39:LYS:HD2	1:A:67:LYS:HG3	2	17.65
(1,606)	1:A:39:LYS:HD2	1:B:67:LYS:HG3	2	17.65
(1,606)	1:B:39:LYS:HD2	1:A:67:LYS:HG3	2	17.65
(1,606)	1:B:39:LYS:HD2	1:B:67:LYS:HG3	2	17.65
(1,606)	1:B:39:LYS:HD3	1:A:67:LYS:HG3	2	17.65
(1,606)	1:B:39:LYS:HD3	1:B:67:LYS:HG3	2	17.65
(1,426)	1:A:70:SER:HA	1:A:45:ARG:HG3	19	17.65
(1,426)	1:A:70:SER:HA	1:B:45:ARG:HG3	19	17.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,426)	1:B:70:SER:HA	1:A:45:ARG:HG3	19	17.65
(1,426)	1:B:70:SER:HA	1:B:45:ARG:HG3	19	17.65
(1,457)	1:A:69:SER:HA	1:A:44:LYS:HE2	15	17.64
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE2	15	17.64
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE3	15	17.64
(1,457)	1:B:69:SER:HA	1:A:44:LYS:HE2	15	17.64
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE2	15	17.64
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE3	15	17.64
(1,606)	1:A:39:LYS:HD2	1:A:67:LYS:HG3	6	17.63
(1,606)	1:A:39:LYS:HD2	1:B:67:LYS:HG3	6	17.63
(1,606)	1:B:39:LYS:HD2	1:A:67:LYS:HG3	6	17.63
(1,606)	1:B:39:LYS:HD2	1:B:67:LYS:HG3	6	17.63
(1,606)	1:B:39:LYS:HD3	1:A:67:LYS:HG3	6	17.63
(1,606)	1:B:39:LYS:HD3	1:B:67:LYS:HG3	6	17.63
(1,303)	1:A:70:SER:H	1:A:45:ARG:HG2	1	17.63
(1,303)	1:A:70:SER:H	1:B:45:ARG:HG2	1	17.63
(1,303)	1:B:70:SER:H	1:A:45:ARG:HG2	1	17.63
(1,303)	1:B:70:SER:H	1:B:45:ARG:HG2	1	17.63
(1,465)	1:A:61:ILE:HA	1:A:36:LYS:HE2	12	17.62
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE2	12	17.62
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE3	12	17.62
(1,465)	1:B:61:ILE:HA	1:A:36:LYS:HE2	12	17.62
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE2	12	17.62
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE3	12	17.62
(1,297)	1:A:70:SER:H	1:A:45:ARG:HG3	20	17.62
(1,297)	1:A:70:SER:H	1:B:45:ARG:HG3	20	17.62
(1,297)	1:B:70:SER:H	1:A:45:ARG:HG3	20	17.62
(1,297)	1:B:70:SER:H	1:B:45:ARG:HG3	20	17.62
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD21	17	17.61
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD22	17	17.61
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD23	17	17.61
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD21	17	17.61
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD22	17	17.61
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD23	17	17.61
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD21	17	17.61
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD22	17	17.61
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD23	17	17.61
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD21	17	17.61
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD22	17	17.61
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD23	17	17.61
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD21	17	17.61
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD22	17	17.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD23	17	17.61
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD21	17	17.61
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD22	17	17.61
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD23	17	17.61
(1,606)	1:A:39:LYS:HD2	1:A:67:LYS:HG3	16	17.61
(1,606)	1:A:39:LYS:HD2	1:B:67:LYS:HG3	16	17.61
(1,606)	1:B:39:LYS:HD2	1:A:67:LYS:HG3	16	17.61
(1,606)	1:B:39:LYS:HD2	1:B:67:LYS:HG3	16	17.61
(1,606)	1:B:39:LYS:HD3	1:A:67:LYS:HG3	16	17.61
(1,606)	1:B:39:LYS:HD3	1:B:67:LYS:HG3	16	17.61
(1,595)	1:A:39:LYS:HG3	1:A:67:LYS:HB2	17	17.61
(1,595)	1:A:39:LYS:HG3	1:B:67:LYS:HB2	17	17.61
(1,595)	1:B:39:LYS:HG3	1:A:67:LYS:HB2	17	17.61
(1,595)	1:B:39:LYS:HG3	1:B:67:LYS:HB2	17	17.61
(1,518)	1:A:68:ASP:H	1:A:43:GLU:HG2	6	17.61
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG2	6	17.61
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG3	6	17.61
(1,518)	1:B:68:ASP:H	1:A:43:GLU:HG2	6	17.61
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG2	6	17.61
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG3	6	17.61
(1,697)	1:A:70:SER:HA	1:A:45:ARG:HG2	3	17.6
(1,697)	1:A:70:SER:HA	1:B:45:ARG:HG2	3	17.6
(1,697)	1:B:70:SER:HA	1:A:45:ARG:HG2	3	17.6
(1,697)	1:B:70:SER:HA	1:B:45:ARG:HG2	3	17.6
(1,595)	1:A:39:LYS:HG3	1:A:67:LYS:HB2	3	17.6
(1,595)	1:A:39:LYS:HG3	1:B:67:LYS:HB2	3	17.6
(1,595)	1:B:39:LYS:HG3	1:A:67:LYS:HB2	3	17.6
(1,595)	1:B:39:LYS:HG3	1:B:67:LYS:HB2	3	17.6
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD21	12	17.6
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD22	12	17.6
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD23	12	17.6
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD21	12	17.6
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD22	12	17.6
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD23	12	17.6
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD21	12	17.6
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD22	12	17.6
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD23	12	17.6
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD21	12	17.6
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD22	12	17.6
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD23	12	17.6
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD21	12	17.6
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD22	12	17.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD23	12	17.6
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD21	12	17.6
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD22	12	17.6
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD23	12	17.6
(1,457)	1:A:69:SER:HA	1:A:44:LYS:HE2	14	17.6
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE2	14	17.6
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE3	14	17.6
(1,457)	1:B:69:SER:HA	1:A:44:LYS:HE2	14	17.6
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE2	14	17.6
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE3	14	17.6
(1,303)	1:A:70:SER:H	1:A:45:ARG:HG2	3	17.6
(1,303)	1:A:70:SER:H	1:B:45:ARG:HG2	3	17.6
(1,303)	1:B:70:SER:H	1:A:45:ARG:HG2	3	17.6
(1,303)	1:B:70:SER:H	1:B:45:ARG:HG2	3	17.6
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD21	5	17.59
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD22	5	17.59
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD23	5	17.59
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD21	5	17.59
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD22	5	17.59
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD23	5	17.59
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD21	5	17.59
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD22	5	17.59
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD23	5	17.59
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD21	5	17.59
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD22	5	17.59
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD23	5	17.59
(1,429)	1:A:69:SER:HA	1:A:44:LYS:HD2	11	17.59
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD2	11	17.59
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD3	11	17.59
(1,429)	1:B:69:SER:HA	1:A:44:LYS:HD2	11	17.59
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD2	11	17.59
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD3	11	17.59
(1,42)	1:A:43:GLU:HG2	1:A:69:SER:H	19	17.59
(1,42)	1:A:43:GLU:HG2	1:B:69:SER:H	19	17.59
(1,42)	1:B:43:GLU:HG2	1:A:69:SER:H	19	17.59
(1,42)	1:B:43:GLU:HG2	1:B:69:SER:H	19	17.59
(1,42)	1:B:43:GLU:HG3	1:A:69:SER:H	19	17.59
(1,42)	1:B:43:GLU:HG3	1:B:69:SER:H	19	17.59
(1,17)	1:A:95:GLN:H	1:A:71:ARG:H	15	17.59
(1,17)	1:A:95:GLN:H	1:B:71:ARG:H	15	17.59
(1,17)	1:B:95:GLN:H	1:A:71:ARG:H	15	17.59
(1,17)	1:B:95:GLN:H	1:B:71:ARG:H	15	17.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD21	19	17.58
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD22	19	17.58
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD23	19	17.58
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD21	19	17.58
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD22	19	17.58
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD23	19	17.58
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD21	19	17.58
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD22	19	17.58
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD23	19	17.58
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD21	19	17.58
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD22	19	17.58
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD23	19	17.58
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD21	19	17.58
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD22	19	17.58
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD23	19	17.58
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD21	19	17.58
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD22	19	17.58
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD23	19	17.58
(1,599)	1:A:69:SER:HB2	1:A:44:LYS:HE2	15	17.58
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE2	15	17.58
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE3	15	17.58
(1,599)	1:A:69:SER:HB3	1:A:44:LYS:HE2	15	17.58
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE2	15	17.58
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE3	15	17.58
(1,599)	1:B:69:SER:HB2	1:A:44:LYS:HE2	15	17.58
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE2	15	17.58
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE3	15	17.58
(1,599)	1:B:69:SER:HB3	1:A:44:LYS:HE2	15	17.58
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE2	15	17.58
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE3	15	17.58
(1,595)	1:A:39:LYS:HG3	1:A:67:LYS:HB2	5	17.57
(1,595)	1:A:39:LYS:HG3	1:B:67:LYS:HB2	5	17.57
(1,595)	1:B:39:LYS:HG3	1:A:67:LYS:HB2	5	17.57
(1,595)	1:B:39:LYS:HG3	1:B:67:LYS:HB2	5	17.57
(1,525)	1:A:44:LYS:HE2	1:A:70:SER:H	3	17.57
(1,525)	1:A:44:LYS:HE2	1:B:70:SER:H	3	17.57
(1,525)	1:B:44:LYS:HE2	1:A:70:SER:H	3	17.57
(1,525)	1:B:44:LYS:HE2	1:B:70:SER:H	3	17.57
(1,525)	1:B:44:LYS:HE3	1:A:70:SER:H	3	17.57
(1,525)	1:B:44:LYS:HE3	1:B:70:SER:H	3	17.57
(1,518)	1:A:68:ASP:H	1:A:43:GLU:HG2	20	17.57
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG2	20	17.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG3	20	17.57
(1,518)	1:B:68:ASP:H	1:A:43:GLU:HG2	20	17.57
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG2	20	17.57
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG3	20	17.57
(1,336)	1:A:66:LYS:H	1:A:43:GLU:HG2	5	17.57
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG2	5	17.57
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG3	5	17.57
(1,336)	1:B:66:LYS:H	1:A:43:GLU:HG2	5	17.57
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG2	5	17.57
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG3	5	17.57
(1,303)	1:A:70:SER:H	1:A:45:ARG:HG2	13	17.57
(1,303)	1:A:70:SER:H	1:B:45:ARG:HG2	13	17.57
(1,303)	1:B:70:SER:H	1:A:45:ARG:HG2	13	17.57
(1,303)	1:B:70:SER:H	1:B:45:ARG:HG2	13	17.57
(1,612)	1:A:41:ILE:HG12	1:A:67:LYS:HG2	16	17.56
(1,612)	1:A:41:ILE:HG12	1:B:67:LYS:HG2	16	17.56
(1,612)	1:B:41:ILE:HG12	1:A:67:LYS:HG2	16	17.56
(1,612)	1:B:41:ILE:HG12	1:B:67:LYS:HG2	16	17.56
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD21	8	17.55
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD22	8	17.55
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD23	8	17.55
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD21	8	17.55
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD22	8	17.55
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD23	8	17.55
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD21	8	17.55
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD22	8	17.55
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD23	8	17.55
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD21	8	17.55
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD22	8	17.55
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD23	8	17.55
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD21	8	17.55
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD22	8	17.55
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD23	8	17.55
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD21	8	17.55
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD22	8	17.55
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD23	8	17.55
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD11	13	17.55
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD12	13	17.55
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD13	13	17.55
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD11	13	17.55
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD12	13	17.55
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD13	13	17.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD11	13	17.55
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD12	13	17.55
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD13	13	17.55
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD11	13	17.55
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD12	13	17.55
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD13	13	17.55
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD11	13	17.55
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD12	13	17.55
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD13	13	17.55
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD11	13	17.55
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD12	13	17.55
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD13	13	17.55
(1,42)	1:A:43:GLU:HG2	1:A:69:SER:H	9	17.55
(1,42)	1:A:43:GLU:HG2	1:B:69:SER:H	9	17.55
(1,42)	1:B:43:GLU:HG2	1:A:69:SER:H	9	17.55
(1,42)	1:B:43:GLU:HG2	1:B:69:SER:H	9	17.55
(1,42)	1:B:43:GLU:HG3	1:A:69:SER:H	9	17.55
(1,42)	1:B:43:GLU:HG3	1:B:69:SER:H	9	17.55
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD21	8	17.54
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD22	8	17.54
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD23	8	17.54
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD21	8	17.54
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD22	8	17.54
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD23	8	17.54
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD21	8	17.54
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD22	8	17.54
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD23	8	17.54
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD21	8	17.54
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD22	8	17.54
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD23	8	17.54
(1,677)	1:A:39:LYS:HG3	1:A:67:LYS:HG3	16	17.54
(1,677)	1:A:39:LYS:HG3	1:B:67:LYS:HG3	16	17.54
(1,677)	1:B:39:LYS:HG3	1:A:67:LYS:HG3	16	17.54
(1,677)	1:B:39:LYS:HG3	1:B:67:LYS:HG3	16	17.54
(1,336)	1:A:66:LYS:H	1:A:43:GLU:HG2	11	17.53
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG2	11	17.53
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG3	11	17.53
(1,336)	1:B:66:LYS:H	1:A:43:GLU:HG2	11	17.53
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG2	11	17.53
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG3	11	17.53
(1,697)	1:A:70:SER:HA	1:A:45:ARG:HG2	19	17.52
(1,697)	1:A:70:SER:HA	1:B:45:ARG:HG2	19	17.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,697)	1:B:70:SER:HA	1:A:45:ARG:HG2	19	17.52
(1,697)	1:B:70:SER:HA	1:B:45:ARG:HG2	19	17.52
(1,599)	1:A:69:SER:HB2	1:A:44:LYS:HE2	3	17.52
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE2	3	17.52
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE3	3	17.52
(1,599)	1:A:69:SER:HB3	1:A:44:LYS:HE2	3	17.52
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE2	3	17.52
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE3	3	17.52
(1,599)	1:B:69:SER:HB2	1:A:44:LYS:HE2	3	17.52
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE2	3	17.52
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE3	3	17.52
(1,599)	1:B:69:SER:HB3	1:A:44:LYS:HE2	3	17.52
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE2	3	17.52
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE3	3	17.52
(1,611)	1:A:39:LYS:HG3	1:A:67:LYS:HG2	15	17.51
(1,611)	1:A:39:LYS:HG3	1:B:67:LYS:HG2	15	17.51
(1,611)	1:B:39:LYS:HG3	1:A:67:LYS:HG2	15	17.51
(1,611)	1:B:39:LYS:HG3	1:B:67:LYS:HG2	15	17.51
(1,42)	1:A:43:GLU:HG2	1:A:69:SER:H	14	17.51
(1,42)	1:A:43:GLU:HG2	1:B:69:SER:H	14	17.51
(1,42)	1:B:43:GLU:HG2	1:A:69:SER:H	14	17.51
(1,42)	1:B:43:GLU:HG2	1:B:69:SER:H	14	17.51
(1,42)	1:B:43:GLU:HG3	1:A:69:SER:H	14	17.51
(1,42)	1:B:43:GLU:HG3	1:B:69:SER:H	14	17.51
(1,677)	1:A:39:LYS:HG3	1:A:67:LYS:HG3	1	17.49
(1,677)	1:A:39:LYS:HG3	1:B:67:LYS:HG3	1	17.49
(1,677)	1:B:39:LYS:HG3	1:A:67:LYS:HG3	1	17.49
(1,677)	1:B:39:LYS:HG3	1:B:67:LYS:HG3	1	17.49
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD11	9	17.49
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD12	9	17.49
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD13	9	17.49
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD11	9	17.49
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD12	9	17.49
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD13	9	17.49
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD11	9	17.49
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD12	9	17.49
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD13	9	17.49
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD11	9	17.49
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD12	9	17.49
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD13	9	17.49
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD11	9	17.49
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD12	9	17.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD13	9	17.49
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD11	9	17.49
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD12	9	17.49
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD13	9	17.49
(1,525)	1:A:44:LYS:HE2	1:A:70:SER:H	18	17.49
(1,525)	1:A:44:LYS:HE2	1:B:70:SER:H	18	17.49
(1,525)	1:B:44:LYS:HE2	1:A:70:SER:H	18	17.49
(1,525)	1:B:44:LYS:HE2	1:B:70:SER:H	18	17.49
(1,525)	1:B:44:LYS:HE3	1:A:70:SER:H	18	17.49
(1,525)	1:B:44:LYS:HE3	1:B:70:SER:H	18	17.49
(1,518)	1:A:68:ASP:H	1:A:43:GLU:HG2	3	17.49
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG2	3	17.49
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG3	3	17.49
(1,518)	1:B:68:ASP:H	1:A:43:GLU:HG2	3	17.49
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG2	3	17.49
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG3	3	17.49
(1,429)	1:A:69:SER:HA	1:A:44:LYS:HD2	2	17.49
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD2	2	17.49
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD3	2	17.49
(1,429)	1:B:69:SER:HA	1:A:44:LYS:HD2	2	17.49
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD2	2	17.49
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD3	2	17.49
(1,426)	1:A:70:SER:HA	1:A:45:ARG:HG3	6	17.49
(1,426)	1:A:70:SER:HA	1:B:45:ARG:HG3	6	17.49
(1,426)	1:B:70:SER:HA	1:A:45:ARG:HG3	6	17.49
(1,426)	1:B:70:SER:HA	1:B:45:ARG:HG3	6	17.49
(1,677)	1:A:39:LYS:HG3	1:A:67:LYS:HG3	15	17.48
(1,677)	1:A:39:LYS:HG3	1:B:67:LYS:HG3	15	17.48
(1,677)	1:B:39:LYS:HG3	1:A:67:LYS:HG3	15	17.48
(1,677)	1:B:39:LYS:HG3	1:B:67:LYS:HG3	15	17.48
(1,441)	1:A:68:ASP:HA	1:A:43:GLU:HG2	10	17.47
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG2	10	17.47
(1,441)	1:A:68:ASP:HA	1:B:43:GLU:HG3	10	17.47
(1,441)	1:B:68:ASP:HA	1:A:43:GLU:HG2	10	17.47
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG2	10	17.47
(1,441)	1:B:68:ASP:HA	1:B:43:GLU:HG3	10	17.47
(1,429)	1:A:69:SER:HA	1:A:44:LYS:HD2	4	17.47
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD2	4	17.47
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD3	4	17.47
(1,429)	1:B:69:SER:HA	1:A:44:LYS:HD2	4	17.47
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD2	4	17.47
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD3	4	17.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,426)	1:A:70:SER:HA	1:A:45:ARG:HG3	3	17.47
(1,426)	1:A:70:SER:HA	1:B:45:ARG:HG3	3	17.47
(1,426)	1:B:70:SER:HA	1:A:45:ARG:HG3	3	17.47
(1,426)	1:B:70:SER:HA	1:B:45:ARG:HG3	3	17.47
(1,525)	1:A:44:LYS:HE2	1:A:70:SER:H	4	17.46
(1,525)	1:A:44:LYS:HE2	1:B:70:SER:H	4	17.46
(1,525)	1:B:44:LYS:HE2	1:A:70:SER:H	4	17.46
(1,525)	1:B:44:LYS:HE2	1:B:70:SER:H	4	17.46
(1,525)	1:B:44:LYS:HE3	1:A:70:SER:H	4	17.46
(1,525)	1:B:44:LYS:HE3	1:B:70:SER:H	4	17.46
(1,525)	1:A:44:LYS:HE2	1:A:70:SER:H	11	17.46
(1,525)	1:A:44:LYS:HE2	1:B:70:SER:H	11	17.46
(1,525)	1:B:44:LYS:HE2	1:A:70:SER:H	11	17.46
(1,525)	1:B:44:LYS:HE2	1:B:70:SER:H	11	17.46
(1,525)	1:B:44:LYS:HE3	1:A:70:SER:H	11	17.46
(1,525)	1:B:44:LYS:HE3	1:B:70:SER:H	11	17.46
(1,518)	1:A:68:ASP:H	1:A:43:GLU:HG2	18	17.46
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG2	18	17.46
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG3	18	17.46
(1,518)	1:B:68:ASP:H	1:A:43:GLU:HG2	18	17.46
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG2	18	17.46
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG3	18	17.46
(1,465)	1:A:61:ILE:HA	1:A:36:LYS:HE2	15	17.46
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE2	15	17.46
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE3	15	17.46
(1,465)	1:B:61:ILE:HA	1:A:36:LYS:HE2	15	17.46
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE2	15	17.46
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE3	15	17.46
(1,426)	1:A:70:SER:HA	1:A:45:ARG:HG3	13	17.46
(1,426)	1:A:70:SER:HA	1:B:45:ARG:HG3	13	17.46
(1,426)	1:B:70:SER:HA	1:A:45:ARG:HG3	13	17.46
(1,426)	1:B:70:SER:HA	1:B:45:ARG:HG3	13	17.46
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD21	19	17.45
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD22	19	17.45
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD23	19	17.45
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD21	19	17.45
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD22	19	17.45
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD23	19	17.45
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD21	19	17.45
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD22	19	17.45
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD23	19	17.45
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD21	19	17.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD22	19	17.45
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD23	19	17.45
(1,525)	1:A:44:LYS:HE2	1:A:70:SER:H	12	17.45
(1,525)	1:A:44:LYS:HE2	1:B:70:SER:H	12	17.45
(1,525)	1:B:44:LYS:HE2	1:A:70:SER:H	12	17.45
(1,525)	1:B:44:LYS:HE2	1:B:70:SER:H	12	17.45
(1,525)	1:B:44:LYS:HE3	1:A:70:SER:H	12	17.45
(1,525)	1:B:44:LYS:HE3	1:B:70:SER:H	12	17.45
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD21	3	17.44
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD22	3	17.44
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD23	3	17.44
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD21	3	17.44
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD22	3	17.44
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD23	3	17.44
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD21	3	17.44
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD22	3	17.44
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD23	3	17.44
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD21	3	17.44
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD22	3	17.44
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD23	3	17.44
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD21	3	17.44
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD22	3	17.44
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD23	3	17.44
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD21	3	17.44
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD22	3	17.44
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD23	3	17.44
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD21	13	17.44
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD22	13	17.44
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD23	13	17.44
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD21	13	17.44
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD22	13	17.44
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD23	13	17.44
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD21	13	17.44
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD22	13	17.44
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD23	13	17.44
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD21	13	17.44
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD22	13	17.44
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD23	13	17.44
(1,697)	1:A:70:SER:HA	1:A:45:ARG:HG2	13	17.44
(1,697)	1:A:70:SER:HA	1:B:45:ARG:HG2	13	17.44
(1,697)	1:B:70:SER:HA	1:A:45:ARG:HG2	13	17.44
(1,697)	1:B:70:SER:HA	1:B:45:ARG:HG2	13	17.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,605)	1:A:39:LYS:HD2	1:A:67:LYS:HG2	1	17.44
(1,605)	1:A:39:LYS:HD2	1:B:67:LYS:HG2	1	17.44
(1,605)	1:B:39:LYS:HD2	1:A:67:LYS:HG2	1	17.44
(1,605)	1:B:39:LYS:HD2	1:B:67:LYS:HG2	1	17.44
(1,605)	1:B:39:LYS:HD3	1:A:67:LYS:HG2	1	17.44
(1,605)	1:B:39:LYS:HD3	1:B:67:LYS:HG2	1	17.44
(1,303)	1:A:70:SER:H	1:A:45:ARG:HG2	6	17.44
(1,303)	1:A:70:SER:H	1:B:45:ARG:HG2	6	17.44
(1,303)	1:B:70:SER:H	1:A:45:ARG:HG2	6	17.44
(1,303)	1:B:70:SER:H	1:B:45:ARG:HG2	6	17.44
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD21	4	17.43
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD22	4	17.43
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD23	4	17.43
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD21	4	17.43
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD22	4	17.43
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD23	4	17.43
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD21	4	17.43
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD22	4	17.43
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD23	4	17.43
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD21	4	17.43
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD22	4	17.43
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD23	4	17.43
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD21	4	17.43
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD22	4	17.43
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD23	4	17.43
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD21	4	17.43
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD22	4	17.43
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD23	4	17.43
(1,599)	1:A:69:SER:HB2	1:A:44:LYS:HE2	14	17.43
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE2	14	17.43
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE3	14	17.43
(1,599)	1:A:69:SER:HB3	1:A:44:LYS:HE2	14	17.43
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE2	14	17.43
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE3	14	17.43
(1,599)	1:B:69:SER:HB2	1:A:44:LYS:HE2	14	17.43
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE2	14	17.43
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE3	14	17.43
(1,599)	1:B:69:SER:HB3	1:A:44:LYS:HE2	14	17.43
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE2	14	17.43
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE3	14	17.43
(1,336)	1:A:66:LYS:H	1:A:43:GLU:HG2	12	17.43
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG2	12	17.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG3	12	17.43
(1,336)	1:B:66:LYS:H	1:A:43:GLU:HG2	12	17.43
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG2	12	17.43
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG3	12	17.43
(1,17)	1:A:95:GLN:H	1:A:71:ARG:H	12	17.43
(1,17)	1:A:95:GLN:H	1:B:71:ARG:H	12	17.43
(1,17)	1:B:95:GLN:H	1:A:71:ARG:H	12	17.43
(1,17)	1:B:95:GLN:H	1:B:71:ARG:H	12	17.43
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD21	13	17.42
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD22	13	17.42
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD23	13	17.42
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD21	13	17.42
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD22	13	17.42
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD23	13	17.42
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD21	13	17.42
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD22	13	17.42
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD23	13	17.42
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD21	13	17.42
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD22	13	17.42
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD23	13	17.42
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD21	13	17.42
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD22	13	17.42
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD23	13	17.42
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD21	13	17.42
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD22	13	17.42
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD23	13	17.42
(1,579)	1:A:61:ILE:HB	1:A:36:LYS:HE2	10	17.42
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE2	10	17.42
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE3	10	17.42
(1,579)	1:B:61:ILE:HB	1:A:36:LYS:HE2	10	17.42
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE2	10	17.42
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE3	10	17.42
(1,518)	1:A:68:ASP:H	1:A:43:GLU:HG2	19	17.42
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG2	19	17.42
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG3	19	17.42
(1,518)	1:B:68:ASP:H	1:A:43:GLU:HG2	19	17.42
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG2	19	17.42
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG3	19	17.42
(1,474)	1:A:67:LYS:HA	1:A:45:ARG:HD2	2	17.42
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD2	2	17.42
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD3	2	17.42
(1,474)	1:B:67:LYS:HA	1:A:45:ARG:HD2	2	17.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD2	2	17.42
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD3	2	17.42
(1,474)	1:A:67:LYS:HA	1:A:45:ARG:HD2	13	17.42
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD2	13	17.42
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD3	13	17.42
(1,474)	1:B:67:LYS:HA	1:A:45:ARG:HD2	13	17.42
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD2	13	17.42
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD3	13	17.42
(1,297)	1:A:70:SER:H	1:A:45:ARG:HG3	10	17.42
(1,297)	1:A:70:SER:H	1:B:45:ARG:HG3	10	17.42
(1,297)	1:B:70:SER:H	1:A:45:ARG:HG3	10	17.42
(1,297)	1:B:70:SER:H	1:B:45:ARG:HG3	10	17.42
(1,697)	1:A:70:SER:HA	1:A:45:ARG:HG2	6	17.41
(1,697)	1:A:70:SER:HA	1:B:45:ARG:HG2	6	17.41
(1,697)	1:B:70:SER:HA	1:A:45:ARG:HG2	6	17.41
(1,697)	1:B:70:SER:HA	1:B:45:ARG:HG2	6	17.41
(1,677)	1:A:39:LYS:HG3	1:A:67:LYS:HG3	2	17.41
(1,677)	1:A:39:LYS:HG3	1:B:67:LYS:HG3	2	17.41
(1,677)	1:B:39:LYS:HG3	1:A:67:LYS:HG3	2	17.41
(1,677)	1:B:39:LYS:HG3	1:B:67:LYS:HG3	2	17.41
(1,579)	1:A:61:ILE:HB	1:A:36:LYS:HE2	18	17.41
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE2	18	17.41
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE3	18	17.41
(1,579)	1:B:61:ILE:HB	1:A:36:LYS:HE2	18	17.41
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE2	18	17.41
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE3	18	17.41
(1,303)	1:A:70:SER:H	1:A:45:ARG:HG2	11	17.41
(1,303)	1:A:70:SER:H	1:B:45:ARG:HG2	11	17.41
(1,303)	1:B:70:SER:H	1:A:45:ARG:HG2	11	17.41
(1,303)	1:B:70:SER:H	1:B:45:ARG:HG2	11	17.41
(1,303)	1:A:70:SER:H	1:A:45:ARG:HG2	16	17.41
(1,303)	1:A:70:SER:H	1:B:45:ARG:HG2	16	17.41
(1,303)	1:B:70:SER:H	1:A:45:ARG:HG2	16	17.41
(1,303)	1:B:70:SER:H	1:B:45:ARG:HG2	16	17.41
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD21	12	17.4
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD22	12	17.4
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD23	12	17.4
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD21	12	17.4
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD22	12	17.4
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD23	12	17.4
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD21	12	17.4
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD22	12	17.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD23	12	17.4
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD21	12	17.4
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD22	12	17.4
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD23	12	17.4
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD21	12	17.4
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD22	12	17.4
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD23	12	17.4
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD21	12	17.4
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD22	12	17.4
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD23	12	17.4
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD21	5	17.4
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD22	5	17.4
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD23	5	17.4
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD21	5	17.4
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD22	5	17.4
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD23	5	17.4
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD21	5	17.4
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD22	5	17.4
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD23	5	17.4
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD21	5	17.4
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD22	5	17.4
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD23	5	17.4
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD21	5	17.4
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD22	5	17.4
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD23	5	17.4
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD21	5	17.4
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD22	5	17.4
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD23	5	17.4
(1,525)	1:A:44:LYS:HE2	1:A:70:SER:H	17	17.39
(1,525)	1:A:44:LYS:HE2	1:B:70:SER:H	17	17.39
(1,525)	1:B:44:LYS:HE2	1:A:70:SER:H	17	17.39
(1,525)	1:B:44:LYS:HE2	1:B:70:SER:H	17	17.39
(1,525)	1:B:44:LYS:HE3	1:A:70:SER:H	17	17.39
(1,525)	1:B:44:LYS:HE3	1:B:70:SER:H	17	17.39
(1,518)	1:A:68:ASP:H	1:A:43:GLU:HG2	17	17.39
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG2	17	17.39
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG3	17	17.39
(1,518)	1:B:68:ASP:H	1:A:43:GLU:HG2	17	17.39
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG2	17	17.39
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG3	17	17.39
(1,457)	1:A:69:SER:HA	1:A:44:LYS:HE2	3	17.39
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE2	3	17.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE3	3	17.39
(1,457)	1:B:69:SER:HA	1:A:44:LYS:HE2	3	17.39
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE2	3	17.39
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE3	3	17.39
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD21	17	17.38
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD22	17	17.38
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD23	17	17.38
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD21	17	17.38
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD22	17	17.38
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD23	17	17.38
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD21	17	17.38
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD22	17	17.38
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD23	17	17.38
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD21	17	17.38
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD22	17	17.38
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD23	17	17.38
(1,606)	1:A:39:LYS:HD2	1:A:67:LYS:HG3	10	17.38
(1,606)	1:A:39:LYS:HD2	1:B:67:LYS:HG3	10	17.38
(1,606)	1:B:39:LYS:HD2	1:A:67:LYS:HG3	10	17.38
(1,606)	1:B:39:LYS:HD2	1:B:67:LYS:HG3	10	17.38
(1,606)	1:B:39:LYS:HD3	1:A:67:LYS:HG3	10	17.38
(1,606)	1:B:39:LYS:HD3	1:B:67:LYS:HG3	10	17.38
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD11	5	17.38
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD12	5	17.38
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD13	5	17.38
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD11	5	17.38
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD12	5	17.38
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD13	5	17.38
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD11	5	17.38
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD12	5	17.38
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD13	5	17.38
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD11	5	17.38
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD12	5	17.38
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD13	5	17.38
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD11	5	17.38
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD12	5	17.38
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD13	5	17.38
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD11	5	17.38
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD12	5	17.38
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD13	5	17.38
(1,429)	1:A:69:SER:HA	1:A:44:LYS:HD2	20	17.38
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD2	20	17.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD3	20	17.38
(1,429)	1:B:69:SER:HA	1:A:44:LYS:HD2	20	17.38
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD2	20	17.38
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD3	20	17.38
(1,336)	1:A:66:LYS:H	1:A:43:GLU:HG2	7	17.38
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG2	7	17.38
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG3	7	17.38
(1,336)	1:B:66:LYS:H	1:A:43:GLU:HG2	7	17.38
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG2	7	17.38
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG3	7	17.38
(1,336)	1:A:66:LYS:H	1:A:43:GLU:HG2	1	17.37
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG2	1	17.37
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG3	1	17.37
(1,336)	1:B:66:LYS:H	1:A:43:GLU:HG2	1	17.37
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG2	1	17.37
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG3	1	17.37
(1,697)	1:A:70:SER:HA	1:A:45:ARG:HG2	16	17.36
(1,697)	1:A:70:SER:HA	1:B:45:ARG:HG2	16	17.36
(1,697)	1:B:70:SER:HA	1:A:45:ARG:HG2	16	17.36
(1,697)	1:B:70:SER:HA	1:B:45:ARG:HG2	16	17.36
(1,297)	1:A:70:SER:H	1:A:45:ARG:HG3	7	17.36
(1,297)	1:A:70:SER:H	1:B:45:ARG:HG3	7	17.36
(1,297)	1:B:70:SER:H	1:A:45:ARG:HG3	7	17.36
(1,297)	1:B:70:SER:H	1:B:45:ARG:HG3	7	17.36
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD11	14	17.35
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD12	14	17.35
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD13	14	17.35
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD11	14	17.35
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD12	14	17.35
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD13	14	17.35
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD11	14	17.35
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD12	14	17.35
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD13	14	17.35
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD11	14	17.35
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD12	14	17.35
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD13	14	17.35
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD11	14	17.35
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD12	14	17.35
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD13	14	17.35
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD11	14	17.35
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD12	14	17.35
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD13	14	17.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,525)	1:A:44:LYS:HE2	1:A:70:SER:H	16	17.35
(1,525)	1:A:44:LYS:HE2	1:B:70:SER:H	16	17.35
(1,525)	1:B:44:LYS:HE2	1:A:70:SER:H	16	17.35
(1,525)	1:B:44:LYS:HE2	1:B:70:SER:H	16	17.35
(1,525)	1:B:44:LYS:HE3	1:A:70:SER:H	16	17.35
(1,525)	1:B:44:LYS:HE3	1:B:70:SER:H	16	17.35
(1,477)	1:A:66:LYS:HA	1:A:45:ARG:HD2	19	17.35
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD2	19	17.35
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD3	19	17.35
(1,477)	1:B:66:LYS:HA	1:A:45:ARG:HD2	19	17.35
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD2	19	17.35
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD3	19	17.35
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD21	4	17.34
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD22	4	17.34
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD23	4	17.34
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD21	4	17.34
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD22	4	17.34
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD23	4	17.34
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD21	4	17.34
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD22	4	17.34
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD23	4	17.34
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD21	4	17.34
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD22	4	17.34
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD23	4	17.34
(1,672)	1:A:39:LYS:HG2	1:A:67:LYS:HG2	1	17.34
(1,672)	1:A:39:LYS:HG2	1:B:67:LYS:HG2	1	17.34
(1,672)	1:B:39:LYS:HG2	1:A:67:LYS:HG2	1	17.34
(1,672)	1:B:39:LYS:HG2	1:B:67:LYS:HG2	1	17.34
(1,595)	1:A:39:LYS:HG3	1:A:67:LYS:HB2	6	17.34
(1,595)	1:A:39:LYS:HG3	1:B:67:LYS:HB2	6	17.34
(1,595)	1:B:39:LYS:HG3	1:A:67:LYS:HB2	6	17.34
(1,595)	1:B:39:LYS:HG3	1:B:67:LYS:HB2	6	17.34
(1,42)	1:A:43:GLU:HG2	1:A:69:SER:H	11	17.34
(1,42)	1:A:43:GLU:HG2	1:B:69:SER:H	11	17.34
(1,42)	1:B:43:GLU:HG2	1:A:69:SER:H	11	17.34
(1,42)	1:B:43:GLU:HG2	1:B:69:SER:H	11	17.34
(1,42)	1:B:43:GLU:HG3	1:A:69:SER:H	11	17.34
(1,42)	1:B:43:GLU:HG3	1:B:69:SER:H	11	17.34
(1,303)	1:A:70:SER:H	1:A:45:ARG:HG2	8	17.34
(1,303)	1:A:70:SER:H	1:B:45:ARG:HG2	8	17.34
(1,303)	1:B:70:SER:H	1:A:45:ARG:HG2	8	17.34
(1,303)	1:B:70:SER:H	1:B:45:ARG:HG2	8	17.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD21	12	17.33
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD22	12	17.33
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD23	12	17.33
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD21	12	17.33
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD22	12	17.33
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD23	12	17.33
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD21	12	17.33
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD22	12	17.33
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD23	12	17.33
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD21	12	17.33
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD22	12	17.33
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD23	12	17.33
(1,525)	1:A:44:LYS:HE2	1:A:70:SER:H	1	17.33
(1,525)	1:A:44:LYS:HE2	1:B:70:SER:H	1	17.33
(1,525)	1:B:44:LYS:HE2	1:A:70:SER:H	1	17.33
(1,525)	1:B:44:LYS:HE2	1:B:70:SER:H	1	17.33
(1,525)	1:B:44:LYS:HE3	1:A:70:SER:H	1	17.33
(1,525)	1:B:44:LYS:HE3	1:B:70:SER:H	1	17.33
(1,697)	1:A:70:SER:HA	1:A:45:ARG:HG2	15	17.32
(1,697)	1:A:70:SER:HA	1:B:45:ARG:HG2	15	17.32
(1,697)	1:B:70:SER:HA	1:A:45:ARG:HG2	15	17.32
(1,697)	1:B:70:SER:HA	1:B:45:ARG:HG2	15	17.32
(1,477)	1:A:66:LYS:HA	1:A:45:ARG:HD2	8	17.32
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD2	8	17.32
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD3	8	17.32
(1,477)	1:B:66:LYS:HA	1:A:45:ARG:HD2	8	17.32
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD2	8	17.32
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD3	8	17.32
(1,780)	1:A:64:ALA:HB1	1:A:39:LYS:HE2	6	17.31
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE2	6	17.31
(1,780)	1:A:64:ALA:HB1	1:B:39:LYS:HE3	6	17.31
(1,780)	1:A:64:ALA:HB2	1:A:39:LYS:HE2	6	17.31
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE2	6	17.31
(1,780)	1:A:64:ALA:HB2	1:B:39:LYS:HE3	6	17.31
(1,780)	1:A:64:ALA:HB3	1:A:39:LYS:HE2	6	17.31
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE2	6	17.31
(1,780)	1:A:64:ALA:HB3	1:B:39:LYS:HE3	6	17.31
(1,780)	1:B:64:ALA:HB1	1:A:39:LYS:HE2	6	17.31
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE2	6	17.31
(1,780)	1:B:64:ALA:HB1	1:B:39:LYS:HE3	6	17.31
(1,780)	1:B:64:ALA:HB2	1:A:39:LYS:HE2	6	17.31
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE2	6	17.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:B:64:ALA:HB2	1:B:39:LYS:HE3	6	17.31
(1,780)	1:B:64:ALA:HB3	1:A:39:LYS:HE2	6	17.31
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE2	6	17.31
(1,780)	1:B:64:ALA:HB3	1:B:39:LYS:HE3	6	17.31
(1,599)	1:A:69:SER:HB2	1:A:44:LYS:HE2	2	17.31
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE2	2	17.31
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE3	2	17.31
(1,599)	1:A:69:SER:HB3	1:A:44:LYS:HE2	2	17.31
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE2	2	17.31
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE3	2	17.31
(1,599)	1:B:69:SER:HB2	1:A:44:LYS:HE2	2	17.31
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE2	2	17.31
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE3	2	17.31
(1,599)	1:B:69:SER:HB3	1:A:44:LYS:HE2	2	17.31
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE2	2	17.31
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE3	2	17.31
(1,477)	1:A:66:LYS:HA	1:A:45:ARG:HD2	1	17.3
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD2	1	17.3
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD3	1	17.3
(1,477)	1:B:66:LYS:HA	1:A:45:ARG:HD2	1	17.3
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD2	1	17.3
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD3	1	17.3
(1,612)	1:A:41:ILE:HG12	1:A:67:LYS:HG2	10	17.29
(1,612)	1:A:41:ILE:HG12	1:B:67:LYS:HG2	10	17.29
(1,612)	1:B:41:ILE:HG12	1:A:67:LYS:HG2	10	17.29
(1,612)	1:B:41:ILE:HG12	1:B:67:LYS:HG2	10	17.29
(1,612)	1:A:41:ILE:HG12	1:A:67:LYS:HG2	11	17.29
(1,612)	1:A:41:ILE:HG12	1:B:67:LYS:HG2	11	17.29
(1,612)	1:B:41:ILE:HG12	1:A:67:LYS:HG2	11	17.29
(1,612)	1:B:41:ILE:HG12	1:B:67:LYS:HG2	11	17.29
(1,612)	1:A:41:ILE:HG12	1:A:67:LYS:HG2	17	17.29
(1,612)	1:A:41:ILE:HG12	1:B:67:LYS:HG2	17	17.29
(1,612)	1:B:41:ILE:HG12	1:A:67:LYS:HG2	17	17.29
(1,612)	1:B:41:ILE:HG12	1:B:67:LYS:HG2	17	17.29
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD11	3	17.28
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD12	3	17.28
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD13	3	17.28
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD11	3	17.28
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD12	3	17.28
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD13	3	17.28
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD11	3	17.28
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD12	3	17.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD13	3	17.28
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD11	3	17.28
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD12	3	17.28
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD13	3	17.28
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD11	3	17.28
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD12	3	17.28
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD13	3	17.28
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD11	3	17.28
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD12	3	17.28
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD13	3	17.28
(1,457)	1:A:69:SER:HA	1:A:44:LYS:HE2	9	17.28
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE2	9	17.28
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE3	9	17.28
(1,457)	1:B:69:SER:HA	1:A:44:LYS:HE2	9	17.28
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE2	9	17.28
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE3	9	17.28
(1,336)	1:A:66:LYS:H	1:A:43:GLU:HG2	15	17.28
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG2	15	17.28
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG3	15	17.28
(1,336)	1:B:66:LYS:H	1:A:43:GLU:HG2	15	17.28
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG2	15	17.28
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG3	15	17.28
(1,697)	1:A:70:SER:HA	1:A:45:ARG:HG2	11	17.27
(1,697)	1:A:70:SER:HA	1:B:45:ARG:HG2	11	17.27
(1,697)	1:B:70:SER:HA	1:A:45:ARG:HG2	11	17.27
(1,697)	1:B:70:SER:HA	1:B:45:ARG:HG2	11	17.27
(1,599)	1:A:69:SER:HB2	1:A:44:LYS:HE2	11	17.27
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE2	11	17.27
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE3	11	17.27
(1,599)	1:A:69:SER:HB3	1:A:44:LYS:HE2	11	17.27
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE2	11	17.27
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE3	11	17.27
(1,599)	1:B:69:SER:HB2	1:A:44:LYS:HE2	11	17.27
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE2	11	17.27
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE3	11	17.27
(1,599)	1:B:69:SER:HB3	1:A:44:LYS:HE2	11	17.27
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE2	11	17.27
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE3	11	17.27
(1,426)	1:A:70:SER:HA	1:A:45:ARG:HG3	1	17.27
(1,426)	1:A:70:SER:HA	1:B:45:ARG:HG3	1	17.27
(1,426)	1:B:70:SER:HA	1:A:45:ARG:HG3	1	17.27
(1,426)	1:B:70:SER:HA	1:B:45:ARG:HG3	1	17.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,297)	1:A:70:SER:H	1:A:45:ARG:HG3	14	17.27
(1,297)	1:A:70:SER:H	1:B:45:ARG:HG3	14	17.27
(1,297)	1:B:70:SER:H	1:A:45:ARG:HG3	14	17.27
(1,297)	1:B:70:SER:H	1:B:45:ARG:HG3	14	17.27
(1,518)	1:A:68:ASP:H	1:A:43:GLU:HG2	14	17.26
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG2	14	17.26
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG3	14	17.26
(1,518)	1:B:68:ASP:H	1:A:43:GLU:HG2	14	17.26
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG2	14	17.26
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG3	14	17.26
(1,477)	1:A:66:LYS:HA	1:A:45:ARG:HD2	16	17.26
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD2	16	17.26
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD3	16	17.26
(1,477)	1:B:66:LYS:HA	1:A:45:ARG:HD2	16	17.26
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD2	16	17.26
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD3	16	17.26
(1,474)	1:A:67:LYS:HA	1:A:45:ARG:HD2	9	17.26
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD2	9	17.26
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD3	9	17.26
(1,474)	1:B:67:LYS:HA	1:A:45:ARG:HD2	9	17.26
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD2	9	17.26
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD3	9	17.26
(1,42)	1:A:43:GLU:HG2	1:A:69:SER:H	13	17.26
(1,42)	1:A:43:GLU:HG2	1:B:69:SER:H	13	17.26
(1,42)	1:B:43:GLU:HG2	1:A:69:SER:H	13	17.26
(1,42)	1:B:43:GLU:HG2	1:B:69:SER:H	13	17.26
(1,42)	1:B:43:GLU:HG3	1:A:69:SER:H	13	17.26
(1,42)	1:B:43:GLU:HG3	1:B:69:SER:H	13	17.26
(1,297)	1:A:70:SER:H	1:A:45:ARG:HG3	18	17.26
(1,297)	1:A:70:SER:H	1:B:45:ARG:HG3	18	17.26
(1,297)	1:B:70:SER:H	1:A:45:ARG:HG3	18	17.26
(1,297)	1:B:70:SER:H	1:B:45:ARG:HG3	18	17.26
(1,457)	1:A:69:SER:HA	1:A:44:LYS:HE2	18	17.25
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE2	18	17.25
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE3	18	17.25
(1,457)	1:B:69:SER:HA	1:A:44:LYS:HE2	18	17.25
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE2	18	17.25
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE3	18	17.25
(1,595)	1:A:39:LYS:HG3	1:A:67:LYS:HB2	16	17.24
(1,595)	1:A:39:LYS:HG3	1:B:67:LYS:HB2	16	17.24
(1,595)	1:B:39:LYS:HG3	1:A:67:LYS:HB2	16	17.24
(1,595)	1:B:39:LYS:HG3	1:B:67:LYS:HB2	16	17.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,426)	1:A:70:SER:HA	1:A:45:ARG:HG3	16	17.24
(1,426)	1:A:70:SER:HA	1:B:45:ARG:HG3	16	17.24
(1,426)	1:B:70:SER:HA	1:A:45:ARG:HG3	16	17.24
(1,426)	1:B:70:SER:HA	1:B:45:ARG:HG3	16	17.24
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD21	8	17.23
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD22	8	17.23
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD23	8	17.23
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD21	8	17.23
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD22	8	17.23
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD23	8	17.23
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD21	8	17.23
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD22	8	17.23
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD23	8	17.23
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD21	8	17.23
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD22	8	17.23
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD23	8	17.23
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD21	8	17.23
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD22	8	17.23
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD23	8	17.23
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD21	8	17.23
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD22	8	17.23
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD23	8	17.23
(1,477)	1:A:66:LYS:HA	1:A:45:ARG:HD2	3	17.23
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD2	3	17.23
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD3	3	17.23
(1,477)	1:B:66:LYS:HA	1:A:45:ARG:HD2	3	17.23
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD2	3	17.23
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD3	3	17.23
(1,599)	1:A:69:SER:HB2	1:A:44:LYS:HE2	9	17.22
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE2	9	17.22
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE3	9	17.22
(1,599)	1:A:69:SER:HB3	1:A:44:LYS:HE2	9	17.22
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE2	9	17.22
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE3	9	17.22
(1,599)	1:B:69:SER:HB2	1:A:44:LYS:HE2	9	17.22
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE2	9	17.22
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE3	9	17.22
(1,599)	1:B:69:SER:HB3	1:A:44:LYS:HE2	9	17.22
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE2	9	17.22
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE3	9	17.22
(1,599)	1:A:69:SER:HB2	1:A:44:LYS:HE2	19	17.22
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE2	19	17.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE3	19	17.22
(1,599)	1:A:69:SER:HB3	1:A:44:LYS:HE2	19	17.22
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE2	19	17.22
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE3	19	17.22
(1,599)	1:B:69:SER:HB2	1:A:44:LYS:HE2	19	17.22
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE2	19	17.22
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE3	19	17.22
(1,599)	1:B:69:SER:HB3	1:A:44:LYS:HE2	19	17.22
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE2	19	17.22
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE3	19	17.22
(1,595)	1:A:39:LYS:HG3	1:A:67:LYS:HB2	12	17.22
(1,595)	1:A:39:LYS:HG3	1:B:67:LYS:HB2	12	17.22
(1,595)	1:B:39:LYS:HG3	1:A:67:LYS:HB2	12	17.22
(1,595)	1:B:39:LYS:HG3	1:B:67:LYS:HB2	12	17.22
(1,518)	1:A:68:ASP:H	1:A:43:GLU:HG2	5	17.22
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG2	5	17.22
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG3	5	17.22
(1,518)	1:B:68:ASP:H	1:A:43:GLU:HG2	5	17.22
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG2	5	17.22
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG3	5	17.22
(1,457)	1:A:69:SER:HA	1:A:44:LYS:HE2	2	17.22
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE2	2	17.22
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE3	2	17.22
(1,457)	1:B:69:SER:HA	1:A:44:LYS:HE2	2	17.22
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE2	2	17.22
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE3	2	17.22
(1,42)	1:A:43:GLU:HG2	1:A:69:SER:H	12	17.22
(1,42)	1:A:43:GLU:HG2	1:B:69:SER:H	12	17.22
(1,42)	1:B:43:GLU:HG2	1:A:69:SER:H	12	17.22
(1,42)	1:B:43:GLU:HG2	1:B:69:SER:H	12	17.22
(1,42)	1:B:43:GLU:HG3	1:A:69:SER:H	12	17.22
(1,42)	1:B:43:GLU:HG3	1:B:69:SER:H	12	17.22
(1,42)	1:A:43:GLU:HG2	1:A:69:SER:H	15	17.22
(1,42)	1:A:43:GLU:HG2	1:B:69:SER:H	15	17.22
(1,42)	1:B:43:GLU:HG2	1:A:69:SER:H	15	17.22
(1,42)	1:B:43:GLU:HG2	1:B:69:SER:H	15	17.22
(1,42)	1:B:43:GLU:HG3	1:A:69:SER:H	15	17.22
(1,42)	1:B:43:GLU:HG3	1:B:69:SER:H	15	17.22
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD21	9	17.21
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD22	9	17.21
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD23	9	17.21
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD21	9	17.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD22	9	17.21
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD23	9	17.21
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD21	9	17.21
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD22	9	17.21
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD23	9	17.21
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD21	9	17.21
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD22	9	17.21
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD23	9	17.21
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD21	9	17.21
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD22	9	17.21
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD23	9	17.21
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD21	9	17.21
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD22	9	17.21
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD23	9	17.21
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD11	2	17.21
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD12	2	17.21
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD13	2	17.21
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD11	2	17.21
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD12	2	17.21
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD13	2	17.21
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD11	2	17.21
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD12	2	17.21
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD13	2	17.21
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD11	2	17.21
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD12	2	17.21
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD13	2	17.21
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD11	2	17.21
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD12	2	17.21
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD13	2	17.21
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD11	2	17.21
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD12	2	17.21
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD13	2	17.21
(1,17)	1:A:95:GLN:H	1:A:71:ARG:H	2	17.21
(1,17)	1:A:95:GLN:H	1:B:71:ARG:H	2	17.21
(1,17)	1:B:95:GLN:H	1:A:71:ARG:H	2	17.21
(1,17)	1:B:95:GLN:H	1:B:71:ARG:H	2	17.21
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD21	15	17.2
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD22	15	17.2
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD23	15	17.2
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD21	15	17.2
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD22	15	17.2
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD23	15	17.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD21	15	17.2
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD22	15	17.2
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD23	15	17.2
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD21	15	17.2
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD22	15	17.2
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD23	15	17.2
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD21	15	17.2
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD22	15	17.2
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD23	15	17.2
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD21	15	17.2
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD22	15	17.2
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD23	15	17.2
(1,477)	1:A:66:LYS:HA	1:A:45:ARG:HD2	12	17.2
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD2	12	17.2
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD3	12	17.2
(1,477)	1:B:66:LYS:HA	1:A:45:ARG:HD2	12	17.2
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD2	12	17.2
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD3	12	17.2
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD11	20	17.19
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD12	20	17.19
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD13	20	17.19
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD11	20	17.19
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD12	20	17.19
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD13	20	17.19
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD11	20	17.19
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD12	20	17.19
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD13	20	17.19
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD11	20	17.19
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD12	20	17.19
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD13	20	17.19
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD11	20	17.19
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD12	20	17.19
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD13	20	17.19
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD11	20	17.19
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD12	20	17.19
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD13	20	17.19
(1,457)	1:A:69:SER:HA	1:A:44:LYS:HE2	6	17.19
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE2	6	17.19
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE3	6	17.19
(1,457)	1:B:69:SER:HA	1:A:44:LYS:HE2	6	17.19
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE2	6	17.19
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE3	6	17.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,336)	1:A:66:LYS:H	1:A:43:GLU:HG2	16	17.19
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG2	16	17.19
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG3	16	17.19
(1,336)	1:B:66:LYS:H	1:A:43:GLU:HG2	16	17.19
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG2	16	17.19
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG3	16	17.19
(1,457)	1:A:69:SER:HA	1:A:44:LYS:HE2	16	17.18
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE2	16	17.18
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE3	16	17.18
(1,457)	1:B:69:SER:HA	1:A:44:LYS:HE2	16	17.18
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE2	16	17.18
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE3	16	17.18
(1,297)	1:A:70:SER:H	1:A:45:ARG:HG3	17	17.18
(1,297)	1:A:70:SER:H	1:B:45:ARG:HG3	17	17.18
(1,297)	1:B:70:SER:H	1:A:45:ARG:HG3	17	17.18
(1,297)	1:B:70:SER:H	1:B:45:ARG:HG3	17	17.18
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD21	15	17.17
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD22	15	17.17
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD23	15	17.17
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD21	15	17.17
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD22	15	17.17
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD23	15	17.17
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD21	15	17.17
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD22	15	17.17
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD23	15	17.17
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD21	15	17.17
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD22	15	17.17
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD23	15	17.17
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD21	9	17.17
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD22	9	17.17
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD23	9	17.17
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD21	9	17.17
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD22	9	17.17
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD23	9	17.17
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD21	9	17.17
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD22	9	17.17
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD23	9	17.17
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD21	9	17.17
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD22	9	17.17
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD23	9	17.17
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD21	9	17.17
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD22	9	17.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD23	9	17.17
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD21	9	17.17
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD22	9	17.17
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD23	9	17.17
(1,457)	1:A:69:SER:HA	1:A:44:LYS:HE2	11	17.17
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE2	11	17.17
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE3	11	17.17
(1,457)	1:B:69:SER:HA	1:A:44:LYS:HE2	11	17.17
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE2	11	17.17
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE3	11	17.17
(1,612)	1:A:41:ILE:HG12	1:A:67:LYS:HG2	18	17.16
(1,612)	1:A:41:ILE:HG12	1:B:67:LYS:HG2	18	17.16
(1,612)	1:B:41:ILE:HG12	1:A:67:LYS:HG2	18	17.16
(1,612)	1:B:41:ILE:HG12	1:B:67:LYS:HG2	18	17.16
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD11	16	17.16
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD12	16	17.16
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD13	16	17.16
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD11	16	17.16
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD12	16	17.16
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD13	16	17.16
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD11	16	17.16
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD12	16	17.16
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD13	16	17.16
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD11	16	17.16
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD12	16	17.16
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD13	16	17.16
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD11	16	17.16
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD12	16	17.16
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD13	16	17.16
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD11	16	17.16
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD12	16	17.16
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD13	16	17.16
(1,457)	1:A:69:SER:HA	1:A:44:LYS:HE2	19	17.16
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE2	19	17.16
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE3	19	17.16
(1,457)	1:B:69:SER:HA	1:A:44:LYS:HE2	19	17.16
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE2	19	17.16
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE3	19	17.16
(1,426)	1:A:70:SER:HA	1:A:45:ARG:HG3	15	17.16
(1,426)	1:A:70:SER:HA	1:B:45:ARG:HG3	15	17.16
(1,426)	1:B:70:SER:HA	1:A:45:ARG:HG3	15	17.16
(1,426)	1:B:70:SER:HA	1:B:45:ARG:HG3	15	17.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD21	5	17.15
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD22	5	17.15
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD23	5	17.15
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD21	5	17.15
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD22	5	17.15
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD23	5	17.15
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD21	5	17.15
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD22	5	17.15
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD23	5	17.15
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD21	5	17.15
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD22	5	17.15
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD23	5	17.15
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD21	5	17.15
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD22	5	17.15
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD23	5	17.15
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD21	5	17.15
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD22	5	17.15
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD23	5	17.15
(1,599)	1:A:69:SER:HB2	1:A:44:LYS:HE2	6	17.15
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE2	6	17.15
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE3	6	17.15
(1,599)	1:A:69:SER:HB3	1:A:44:LYS:HE2	6	17.15
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE2	6	17.15
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE3	6	17.15
(1,599)	1:B:69:SER:HB2	1:A:44:LYS:HE2	6	17.15
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE2	6	17.15
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE3	6	17.15
(1,599)	1:B:69:SER:HB3	1:A:44:LYS:HE2	6	17.15
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE2	6	17.15
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE3	6	17.15
(1,599)	1:A:69:SER:HB2	1:A:44:LYS:HE2	17	17.15
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE2	17	17.15
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE3	17	17.15
(1,599)	1:A:69:SER:HB3	1:A:44:LYS:HE2	17	17.15
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE2	17	17.15
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE3	17	17.15
(1,599)	1:B:69:SER:HB2	1:A:44:LYS:HE2	17	17.15
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE2	17	17.15
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE3	17	17.15
(1,599)	1:B:69:SER:HB3	1:A:44:LYS:HE2	17	17.15
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE2	17	17.15
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE3	17	17.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:A:67:LYS:HA	1:A:45:ARG:HD2	4	17.15
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD2	4	17.15
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD3	4	17.15
(1,474)	1:B:67:LYS:HA	1:A:45:ARG:HD2	4	17.15
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD2	4	17.15
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD3	4	17.15
(1,697)	1:A:70:SER:HA	1:A:45:ARG:HG2	8	17.14
(1,697)	1:A:70:SER:HA	1:B:45:ARG:HG2	8	17.14
(1,697)	1:B:70:SER:HA	1:A:45:ARG:HG2	8	17.14
(1,697)	1:B:70:SER:HA	1:B:45:ARG:HG2	8	17.14
(1,426)	1:A:70:SER:HA	1:A:45:ARG:HG3	8	17.14
(1,426)	1:A:70:SER:HA	1:B:45:ARG:HG3	8	17.14
(1,426)	1:B:70:SER:HA	1:A:45:ARG:HG3	8	17.14
(1,426)	1:B:70:SER:HA	1:B:45:ARG:HG3	8	17.14
(1,17)	1:A:95:GLN:H	1:A:71:ARG:H	1	17.14
(1,17)	1:A:95:GLN:H	1:B:71:ARG:H	1	17.14
(1,17)	1:B:95:GLN:H	1:A:71:ARG:H	1	17.14
(1,17)	1:B:95:GLN:H	1:B:71:ARG:H	1	17.14
(1,617)	1:A:39:LYS:HG2	1:A:67:LYS:HG3	10	17.13
(1,617)	1:A:39:LYS:HG2	1:B:67:LYS:HG3	10	17.13
(1,617)	1:B:39:LYS:HG2	1:A:67:LYS:HG3	10	17.13
(1,617)	1:B:39:LYS:HG2	1:B:67:LYS:HG3	10	17.13
(1,599)	1:A:69:SER:HB2	1:A:44:LYS:HE2	4	17.13
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE2	4	17.13
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE3	4	17.13
(1,599)	1:A:69:SER:HB3	1:A:44:LYS:HE2	4	17.13
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE2	4	17.13
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE3	4	17.13
(1,599)	1:B:69:SER:HB2	1:A:44:LYS:HE2	4	17.13
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE2	4	17.13
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE3	4	17.13
(1,599)	1:B:69:SER:HB3	1:A:44:LYS:HE2	4	17.13
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE2	4	17.13
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE3	4	17.13
(1,518)	1:A:68:ASP:H	1:A:43:GLU:HG2	9	17.13
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG2	9	17.13
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG3	9	17.13
(1,518)	1:B:68:ASP:H	1:A:43:GLU:HG2	9	17.13
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG2	9	17.13
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG3	9	17.13
(1,477)	1:A:66:LYS:HA	1:A:45:ARG:HD2	5	17.13
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD2	5	17.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD3	5	17.13
(1,477)	1:B:66:LYS:HA	1:A:45:ARG:HD2	5	17.13
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD2	5	17.13
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD3	5	17.13
(1,303)	1:A:70:SER:H	1:A:45:ARG:HG2	15	17.13
(1,303)	1:A:70:SER:H	1:B:45:ARG:HG2	15	17.13
(1,303)	1:B:70:SER:H	1:A:45:ARG:HG2	15	17.13
(1,303)	1:B:70:SER:H	1:B:45:ARG:HG2	15	17.13
(1,22)	1:A:64:ALA:H	1:A:43:GLU:HG2	17	17.13
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG2	17	17.13
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG3	17	17.13
(1,22)	1:B:64:ALA:H	1:A:43:GLU:HG2	17	17.13
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG2	17	17.13
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG3	17	17.13
(1,426)	1:A:70:SER:HA	1:A:45:ARG:HG3	11	17.12
(1,426)	1:A:70:SER:HA	1:B:45:ARG:HG3	11	17.12
(1,426)	1:B:70:SER:HA	1:A:45:ARG:HG3	11	17.12
(1,426)	1:B:70:SER:HA	1:B:45:ARG:HG3	11	17.12
(1,518)	1:A:68:ASP:H	1:A:43:GLU:HG2	11	17.11
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG2	11	17.11
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG3	11	17.11
(1,518)	1:B:68:ASP:H	1:A:43:GLU:HG2	11	17.11
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG2	11	17.11
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG3	11	17.11
(1,599)	1:A:69:SER:HB2	1:A:44:LYS:HE2	1	17.1
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE2	1	17.1
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE3	1	17.1
(1,599)	1:A:69:SER:HB3	1:A:44:LYS:HE2	1	17.1
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE2	1	17.1
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE3	1	17.1
(1,599)	1:B:69:SER:HB2	1:A:44:LYS:HE2	1	17.1
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE2	1	17.1
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE3	1	17.1
(1,599)	1:B:69:SER:HB3	1:A:44:LYS:HE2	1	17.1
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE2	1	17.1
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE3	1	17.1
(1,599)	1:A:69:SER:HB2	1:A:44:LYS:HE2	18	17.1
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE2	18	17.1
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE3	18	17.1
(1,599)	1:A:69:SER:HB3	1:A:44:LYS:HE2	18	17.1
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE2	18	17.1
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE3	18	17.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,599)	1:B:69:SER:HB2	1:A:44:LYS:HE2	18	17.1
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE2	18	17.1
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE3	18	17.1
(1,599)	1:B:69:SER:HB3	1:A:44:LYS:HE2	18	17.1
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE2	18	17.1
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE3	18	17.1
(1,457)	1:A:69:SER:HA	1:A:44:LYS:HE2	17	17.1
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE2	17	17.1
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE3	17	17.1
(1,457)	1:B:69:SER:HA	1:A:44:LYS:HE2	17	17.1
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE2	17	17.1
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE3	17	17.1
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD21	9	17.09
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD22	9	17.09
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD23	9	17.09
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD21	9	17.09
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD22	9	17.09
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD23	9	17.09
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD21	9	17.09
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD22	9	17.09
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD23	9	17.09
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD21	9	17.09
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD22	9	17.09
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD23	9	17.09
(1,599)	1:A:69:SER:HB2	1:A:44:LYS:HE2	16	17.09
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE2	16	17.09
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE3	16	17.09
(1,599)	1:A:69:SER:HB3	1:A:44:LYS:HE2	16	17.09
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE2	16	17.09
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE3	16	17.09
(1,599)	1:B:69:SER:HB2	1:A:44:LYS:HE2	16	17.09
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE2	16	17.09
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE3	16	17.09
(1,599)	1:B:69:SER:HB3	1:A:44:LYS:HE2	16	17.09
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE2	16	17.09
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE3	16	17.09
(1,518)	1:A:68:ASP:H	1:A:43:GLU:HG2	13	17.09
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG2	13	17.09
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG3	13	17.09
(1,518)	1:B:68:ASP:H	1:A:43:GLU:HG2	13	17.09
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG2	13	17.09
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG3	13	17.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD21	3	17.07
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD22	3	17.07
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD23	3	17.07
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD21	3	17.07
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD22	3	17.07
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD23	3	17.07
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD21	3	17.07
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD22	3	17.07
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD23	3	17.07
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD21	3	17.07
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD22	3	17.07
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD23	3	17.07
(1,477)	1:A:66:LYS:HA	1:A:45:ARG:HD2	14	17.07
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD2	14	17.07
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD3	14	17.07
(1,477)	1:B:66:LYS:HA	1:A:45:ARG:HD2	14	17.07
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD2	14	17.07
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD3	14	17.07
(1,42)	1:A:43:GLU:HG2	1:A:69:SER:H	1	17.07
(1,42)	1:A:43:GLU:HG2	1:B:69:SER:H	1	17.07
(1,42)	1:B:43:GLU:HG2	1:A:69:SER:H	1	17.07
(1,42)	1:B:43:GLU:HG2	1:B:69:SER:H	1	17.07
(1,42)	1:B:43:GLU:HG3	1:A:69:SER:H	1	17.07
(1,42)	1:B:43:GLU:HG3	1:B:69:SER:H	1	17.07
(1,612)	1:A:41:ILE:HG12	1:A:67:LYS:HG2	7	17.05
(1,612)	1:A:41:ILE:HG12	1:B:67:LYS:HG2	7	17.05
(1,612)	1:B:41:ILE:HG12	1:A:67:LYS:HG2	7	17.05
(1,612)	1:B:41:ILE:HG12	1:B:67:LYS:HG2	7	17.05
(1,40)	1:A:69:SER:H	1:A:45:ARG:HD2	2	17.05
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD2	2	17.05
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD3	2	17.05
(1,40)	1:B:69:SER:H	1:A:45:ARG:HD2	2	17.05
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD2	2	17.05
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD3	2	17.05
(1,474)	1:A:67:LYS:HA	1:A:45:ARG:HD2	19	17.04
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD2	19	17.04
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD3	19	17.04
(1,474)	1:B:67:LYS:HA	1:A:45:ARG:HD2	19	17.04
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD2	19	17.04
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD3	19	17.04
(1,429)	1:A:69:SER:HA	1:A:44:LYS:HD2	12	17.04
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD2	12	17.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD3	12	17.04
(1,429)	1:B:69:SER:HA	1:A:44:LYS:HD2	12	17.04
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD2	12	17.04
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD3	12	17.04
(1,336)	1:A:66:LYS:H	1:A:43:GLU:HG2	10	17.03
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG2	10	17.03
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG3	10	17.03
(1,336)	1:B:66:LYS:H	1:A:43:GLU:HG2	10	17.03
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG2	10	17.03
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG3	10	17.03
(1,595)	1:A:39:LYS:HG3	1:A:67:LYS:HB2	14	17.02
(1,595)	1:A:39:LYS:HG3	1:B:67:LYS:HB2	14	17.02
(1,595)	1:B:39:LYS:HG3	1:A:67:LYS:HB2	14	17.02
(1,595)	1:B:39:LYS:HG3	1:B:67:LYS:HB2	14	17.02
(1,465)	1:A:61:ILE:HA	1:A:36:LYS:HE2	3	17.02
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE2	3	17.02
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE3	3	17.02
(1,465)	1:B:61:ILE:HA	1:A:36:LYS:HE2	3	17.02
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE2	3	17.02
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE3	3	17.02
(1,429)	1:A:69:SER:HA	1:A:44:LYS:HD2	7	17.02
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD2	7	17.02
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD3	7	17.02
(1,429)	1:B:69:SER:HA	1:A:44:LYS:HD2	7	17.02
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD2	7	17.02
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD3	7	17.02
(1,697)	1:A:70:SER:HA	1:A:45:ARG:HG2	10	17.01
(1,697)	1:A:70:SER:HA	1:B:45:ARG:HG2	10	17.01
(1,697)	1:B:70:SER:HA	1:A:45:ARG:HG2	10	17.01
(1,697)	1:B:70:SER:HA	1:B:45:ARG:HG2	10	17.01
(1,500)	1:A:70:SER:H	1:A:45:ARG:HD2	2	17.01
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD2	2	17.01
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD3	2	17.01
(1,500)	1:B:70:SER:H	1:A:45:ARG:HD2	2	17.01
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD2	2	17.01
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD3	2	17.01
(1,477)	1:A:66:LYS:HA	1:A:45:ARG:HD2	18	17.0
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD2	18	17.0
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD3	18	17.0
(1,477)	1:B:66:LYS:HA	1:A:45:ARG:HD2	18	17.0
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD2	18	17.0
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD3	18	17.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,303)	1:A:70:SER:H	1:A:45:ARG:HG2	10	17.0
(1,303)	1:A:70:SER:H	1:B:45:ARG:HG2	10	17.0
(1,303)	1:B:70:SER:H	1:A:45:ARG:HG2	10	17.0
(1,303)	1:B:70:SER:H	1:B:45:ARG:HG2	10	17.0
(1,17)	1:A:95:GLN:H	1:A:71:ARG:H	3	17.0
(1,17)	1:A:95:GLN:H	1:B:71:ARG:H	3	17.0
(1,17)	1:B:95:GLN:H	1:A:71:ARG:H	3	17.0
(1,17)	1:B:95:GLN:H	1:B:71:ARG:H	3	17.0
(1,599)	1:A:69:SER:HB2	1:A:44:LYS:HE2	20	16.99
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE2	20	16.99
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE3	20	16.99
(1,599)	1:A:69:SER:HB3	1:A:44:LYS:HE2	20	16.99
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE2	20	16.99
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE3	20	16.99
(1,599)	1:B:69:SER:HB2	1:A:44:LYS:HE2	20	16.99
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE2	20	16.99
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE3	20	16.99
(1,599)	1:B:69:SER:HB3	1:A:44:LYS:HE2	20	16.99
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE2	20	16.99
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE3	20	16.99
(1,17)	1:A:95:GLN:H	1:A:71:ARG:H	6	16.99
(1,17)	1:A:95:GLN:H	1:B:71:ARG:H	6	16.99
(1,17)	1:B:95:GLN:H	1:A:71:ARG:H	6	16.99
(1,17)	1:B:95:GLN:H	1:B:71:ARG:H	6	16.99
(1,17)	1:A:95:GLN:H	1:A:71:ARG:H	16	16.99
(1,17)	1:A:95:GLN:H	1:B:71:ARG:H	16	16.99
(1,17)	1:B:95:GLN:H	1:A:71:ARG:H	16	16.99
(1,17)	1:B:95:GLN:H	1:B:71:ARG:H	16	16.99
(1,17)	1:A:95:GLN:H	1:A:71:ARG:H	18	16.98
(1,17)	1:A:95:GLN:H	1:B:71:ARG:H	18	16.98
(1,17)	1:B:95:GLN:H	1:A:71:ARG:H	18	16.98
(1,17)	1:B:95:GLN:H	1:B:71:ARG:H	18	16.98
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD21	20	16.97
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD22	20	16.97
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD23	20	16.97
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD21	20	16.97
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD22	20	16.97
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD23	20	16.97
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD21	20	16.97
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD22	20	16.97
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD23	20	16.97
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD21	20	16.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD22	20	16.97
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD23	20	16.97
(1,595)	1:A:39:LYS:HG3	1:A:67:LYS:HB2	11	16.97
(1,595)	1:A:39:LYS:HG3	1:B:67:LYS:HB2	11	16.97
(1,595)	1:B:39:LYS:HG3	1:A:67:LYS:HB2	11	16.97
(1,595)	1:B:39:LYS:HG3	1:B:67:LYS:HB2	11	16.97
(1,611)	1:A:39:LYS:HG3	1:A:67:LYS:HG2	1	16.95
(1,611)	1:A:39:LYS:HG3	1:B:67:LYS:HG2	1	16.95
(1,611)	1:B:39:LYS:HG3	1:A:67:LYS:HG2	1	16.95
(1,611)	1:B:39:LYS:HG3	1:B:67:LYS:HG2	1	16.95
(1,426)	1:A:70:SER:HA	1:A:45:ARG:HG3	20	16.95
(1,426)	1:A:70:SER:HA	1:B:45:ARG:HG3	20	16.95
(1,426)	1:B:70:SER:HA	1:A:45:ARG:HG3	20	16.95
(1,426)	1:B:70:SER:HA	1:B:45:ARG:HG3	20	16.95
(1,22)	1:A:64:ALA:H	1:A:43:GLU:HG2	4	16.95
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG2	4	16.95
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG3	4	16.95
(1,22)	1:B:64:ALA:H	1:A:43:GLU:HG2	4	16.95
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG2	4	16.95
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG3	4	16.95
(1,477)	1:A:66:LYS:HA	1:A:45:ARG:HD2	11	16.94
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD2	11	16.94
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD3	11	16.94
(1,477)	1:B:66:LYS:HA	1:A:45:ARG:HD2	11	16.94
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD2	11	16.94
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD3	11	16.94
(1,42)	1:A:43:GLU:HG2	1:A:69:SER:H	7	16.94
(1,42)	1:A:43:GLU:HG2	1:B:69:SER:H	7	16.94
(1,42)	1:B:43:GLU:HG2	1:A:69:SER:H	7	16.94
(1,42)	1:B:43:GLU:HG2	1:B:69:SER:H	7	16.94
(1,42)	1:B:43:GLU:HG3	1:A:69:SER:H	7	16.94
(1,42)	1:B:43:GLU:HG3	1:B:69:SER:H	7	16.94
(1,22)	1:A:64:ALA:H	1:A:43:GLU:HG2	19	16.94
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG2	19	16.94
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG3	19	16.94
(1,22)	1:B:64:ALA:H	1:A:43:GLU:HG2	19	16.94
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG2	19	16.94
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG3	19	16.94
(1,595)	1:A:39:LYS:HG3	1:A:67:LYS:HB2	2	16.93
(1,595)	1:A:39:LYS:HG3	1:B:67:LYS:HB2	2	16.93
(1,595)	1:B:39:LYS:HG3	1:A:67:LYS:HB2	2	16.93
(1,595)	1:B:39:LYS:HG3	1:B:67:LYS:HB2	2	16.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:A:64:ALA:H	1:A:43:GLU:HG2	3	16.93
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG2	3	16.93
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG3	3	16.93
(1,22)	1:B:64:ALA:H	1:A:43:GLU:HG2	3	16.93
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG2	3	16.93
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG3	3	16.93
(1,22)	1:A:64:ALA:H	1:A:43:GLU:HG2	18	16.93
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG2	18	16.93
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG3	18	16.93
(1,22)	1:B:64:ALA:H	1:A:43:GLU:HG2	18	16.93
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG2	18	16.93
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG3	18	16.93
(1,42)	1:A:43:GLU:HG2	1:A:69:SER:H	2	16.92
(1,42)	1:A:43:GLU:HG2	1:B:69:SER:H	2	16.92
(1,42)	1:B:43:GLU:HG2	1:A:69:SER:H	2	16.92
(1,42)	1:B:43:GLU:HG2	1:B:69:SER:H	2	16.92
(1,42)	1:B:43:GLU:HG3	1:A:69:SER:H	2	16.92
(1,42)	1:B:43:GLU:HG3	1:B:69:SER:H	2	16.92
(1,22)	1:A:64:ALA:H	1:A:43:GLU:HG2	8	16.92
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG2	8	16.92
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG3	8	16.92
(1,22)	1:B:64:ALA:H	1:A:43:GLU:HG2	8	16.92
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG2	8	16.92
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG3	8	16.92
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD21	5	16.9
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD22	5	16.9
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD23	5	16.9
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD21	5	16.9
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD22	5	16.9
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD23	5	16.9
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD21	5	16.9
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD22	5	16.9
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD23	5	16.9
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD21	5	16.9
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD22	5	16.9
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD23	5	16.9
(1,457)	1:A:69:SER:HA	1:A:44:LYS:HE2	4	16.9
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE2	4	16.9
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE3	4	16.9
(1,457)	1:B:69:SER:HA	1:A:44:LYS:HE2	4	16.9
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE2	4	16.9
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE3	4	16.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:A:43:GLU:HG2	1:A:69:SER:H	16	16.9
(1,42)	1:A:43:GLU:HG2	1:B:69:SER:H	16	16.9
(1,42)	1:B:43:GLU:HG2	1:A:69:SER:H	16	16.9
(1,42)	1:B:43:GLU:HG2	1:B:69:SER:H	16	16.9
(1,42)	1:B:43:GLU:HG3	1:A:69:SER:H	16	16.9
(1,42)	1:B:43:GLU:HG3	1:B:69:SER:H	16	16.9
(1,474)	1:A:67:LYS:HA	1:A:45:ARG:HD2	12	16.89
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD2	12	16.89
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD3	12	16.89
(1,474)	1:B:67:LYS:HA	1:A:45:ARG:HD2	12	16.89
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD2	12	16.89
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD3	12	16.89
(1,677)	1:A:39:LYS:HG3	1:A:67:LYS:HG3	10	16.88
(1,677)	1:A:39:LYS:HG3	1:B:67:LYS:HG3	10	16.88
(1,677)	1:B:39:LYS:HG3	1:A:67:LYS:HG3	10	16.88
(1,677)	1:B:39:LYS:HG3	1:B:67:LYS:HG3	10	16.88
(1,465)	1:A:61:ILE:HA	1:A:36:LYS:HE2	11	16.88
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE2	11	16.88
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE3	11	16.88
(1,465)	1:B:61:ILE:HA	1:A:36:LYS:HE2	11	16.88
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE2	11	16.88
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE3	11	16.88
(1,429)	1:A:69:SER:HA	1:A:44:LYS:HD2	19	16.88
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD2	19	16.88
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD3	19	16.88
(1,429)	1:B:69:SER:HA	1:A:44:LYS:HD2	19	16.88
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD2	19	16.88
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD3	19	16.88
(1,518)	1:A:68:ASP:H	1:A:43:GLU:HG2	15	16.87
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG2	15	16.87
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG3	15	16.87
(1,518)	1:B:68:ASP:H	1:A:43:GLU:HG2	15	16.87
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG2	15	16.87
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG3	15	16.87
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD21	12	16.86
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD22	12	16.86
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD23	12	16.86
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD21	12	16.86
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD22	12	16.86
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD23	12	16.86
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD21	12	16.86
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD22	12	16.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD23	12	16.86
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD21	12	16.86
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD22	12	16.86
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD23	12	16.86
(1,429)	1:A:69:SER:HA	1:A:44:LYS:HD2	13	16.86
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD2	13	16.86
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD3	13	16.86
(1,429)	1:B:69:SER:HA	1:A:44:LYS:HD2	13	16.86
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD2	13	16.86
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD3	13	16.86
(1,17)	1:A:95:GLN:H	1:A:71:ARG:H	14	16.86
(1,17)	1:A:95:GLN:H	1:B:71:ARG:H	14	16.86
(1,17)	1:B:95:GLN:H	1:A:71:ARG:H	14	16.86
(1,17)	1:B:95:GLN:H	1:B:71:ARG:H	14	16.86
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD21	17	16.85
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD22	17	16.85
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD23	17	16.85
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD21	17	16.85
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD22	17	16.85
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD23	17	16.85
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD21	17	16.85
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD22	17	16.85
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD23	17	16.85
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD21	17	16.85
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD22	17	16.85
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD23	17	16.85
(1,612)	1:A:41:ILE:HG12	1:A:67:LYS:HG2	1	16.85
(1,612)	1:A:41:ILE:HG12	1:B:67:LYS:HG2	1	16.85
(1,612)	1:B:41:ILE:HG12	1:A:67:LYS:HG2	1	16.85
(1,612)	1:B:41:ILE:HG12	1:B:67:LYS:HG2	1	16.85
(1,612)	1:A:41:ILE:HG12	1:A:67:LYS:HG2	20	16.85
(1,612)	1:A:41:ILE:HG12	1:B:67:LYS:HG2	20	16.85
(1,612)	1:B:41:ILE:HG12	1:A:67:LYS:HG2	20	16.85
(1,612)	1:B:41:ILE:HG12	1:B:67:LYS:HG2	20	16.85
(1,17)	1:A:95:GLN:H	1:A:71:ARG:H	20	16.85
(1,17)	1:A:95:GLN:H	1:B:71:ARG:H	20	16.85
(1,17)	1:B:95:GLN:H	1:A:71:ARG:H	20	16.85
(1,17)	1:B:95:GLN:H	1:B:71:ARG:H	20	16.85
(1,697)	1:A:70:SER:HA	1:A:45:ARG:HG2	17	16.84
(1,697)	1:A:70:SER:HA	1:B:45:ARG:HG2	17	16.84
(1,697)	1:B:70:SER:HA	1:A:45:ARG:HG2	17	16.84
(1,697)	1:B:70:SER:HA	1:B:45:ARG:HG2	17	16.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,612)	1:A:41:ILE:HG12	1:A:67:LYS:HG2	14	16.84
(1,612)	1:A:41:ILE:HG12	1:B:67:LYS:HG2	14	16.84
(1,612)	1:B:41:ILE:HG12	1:A:67:LYS:HG2	14	16.84
(1,612)	1:B:41:ILE:HG12	1:B:67:LYS:HG2	14	16.84
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD21	4	16.83
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD22	4	16.83
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD23	4	16.83
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD21	4	16.83
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD22	4	16.83
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD23	4	16.83
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD21	4	16.83
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD22	4	16.83
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD23	4	16.83
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD21	4	16.83
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD22	4	16.83
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD23	4	16.83
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD21	13	16.83
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD22	13	16.83
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD23	13	16.83
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD21	13	16.83
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD22	13	16.83
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD23	13	16.83
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD21	13	16.83
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD22	13	16.83
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD23	13	16.83
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD21	13	16.83
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD22	13	16.83
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD23	13	16.83
(1,599)	1:A:69:SER:HB2	1:A:44:LYS:HE2	12	16.83
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE2	12	16.83
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE3	12	16.83
(1,599)	1:A:69:SER:HB3	1:A:44:LYS:HE2	12	16.83
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE2	12	16.83
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE3	12	16.83
(1,599)	1:B:69:SER:HB2	1:A:44:LYS:HE2	12	16.83
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE2	12	16.83
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE3	12	16.83
(1,599)	1:B:69:SER:HB3	1:A:44:LYS:HE2	12	16.83
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE2	12	16.83
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE3	12	16.83
(1,579)	1:A:61:ILE:HB	1:A:36:LYS:HE2	20	16.82
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE2	20	16.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE3	20	16.82
(1,579)	1:B:61:ILE:HB	1:A:36:LYS:HE2	20	16.82
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE2	20	16.82
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE3	20	16.82
(1,426)	1:A:70:SER:HA	1:A:45:ARG:HG3	7	16.82
(1,426)	1:A:70:SER:HA	1:B:45:ARG:HG3	7	16.82
(1,426)	1:B:70:SER:HA	1:A:45:ARG:HG3	7	16.82
(1,426)	1:B:70:SER:HA	1:B:45:ARG:HG3	7	16.82
(1,336)	1:A:66:LYS:H	1:A:43:GLU:HG2	2	16.82
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG2	2	16.82
(1,336)	1:A:66:LYS:H	1:B:43:GLU:HG3	2	16.82
(1,336)	1:B:66:LYS:H	1:A:43:GLU:HG2	2	16.82
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG2	2	16.82
(1,336)	1:B:66:LYS:H	1:B:43:GLU:HG3	2	16.82
(1,17)	1:A:95:GLN:H	1:A:71:ARG:H	7	16.82
(1,17)	1:A:95:GLN:H	1:B:71:ARG:H	7	16.82
(1,17)	1:B:95:GLN:H	1:A:71:ARG:H	7	16.82
(1,17)	1:B:95:GLN:H	1:B:71:ARG:H	7	16.82
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD11	10	16.81
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD12	10	16.81
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD13	10	16.81
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD11	10	16.81
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD12	10	16.81
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD13	10	16.81
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD11	10	16.81
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD12	10	16.81
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD13	10	16.81
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD11	10	16.81
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD12	10	16.81
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD13	10	16.81
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD11	10	16.81
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD12	10	16.81
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD13	10	16.81
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD11	10	16.81
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD12	10	16.81
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD13	10	16.81
(1,457)	1:A:69:SER:HA	1:A:44:LYS:HE2	12	16.81
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE2	12	16.81
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE3	12	16.81
(1,457)	1:B:69:SER:HA	1:A:44:LYS:HE2	12	16.81
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE2	12	16.81
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE3	12	16.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,697)	1:A:70:SER:HA	1:A:45:ARG:HG2	20	16.8
(1,697)	1:A:70:SER:HA	1:B:45:ARG:HG2	20	16.8
(1,697)	1:B:70:SER:HA	1:A:45:ARG:HG2	20	16.8
(1,697)	1:B:70:SER:HA	1:B:45:ARG:HG2	20	16.8
(1,303)	1:A:70:SER:H	1:A:45:ARG:HG2	20	16.8
(1,303)	1:A:70:SER:H	1:B:45:ARG:HG2	20	16.8
(1,303)	1:B:70:SER:H	1:A:45:ARG:HG2	20	16.8
(1,303)	1:B:70:SER:H	1:B:45:ARG:HG2	20	16.8
(1,457)	1:A:69:SER:HA	1:A:44:LYS:HE2	1	16.79
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE2	1	16.79
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE3	1	16.79
(1,457)	1:B:69:SER:HA	1:A:44:LYS:HE2	1	16.79
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE2	1	16.79
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE3	1	16.79
(1,429)	1:A:69:SER:HA	1:A:44:LYS:HD2	1	16.79
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD2	1	16.79
(1,429)	1:A:69:SER:HA	1:B:44:LYS:HD3	1	16.79
(1,429)	1:B:69:SER:HA	1:A:44:LYS:HD2	1	16.79
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD2	1	16.79
(1,429)	1:B:69:SER:HA	1:B:44:LYS:HD3	1	16.79
(1,22)	1:A:64:ALA:H	1:A:43:GLU:HG2	5	16.79
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG2	5	16.79
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG3	5	16.79
(1,22)	1:B:64:ALA:H	1:A:43:GLU:HG2	5	16.79
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG2	5	16.79
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG3	5	16.79
(1,477)	1:A:66:LYS:HA	1:A:45:ARG:HD2	6	16.78
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD2	6	16.78
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD3	6	16.78
(1,477)	1:B:66:LYS:HA	1:A:45:ARG:HD2	6	16.78
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD2	6	16.78
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD3	6	16.78
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD21	20	16.77
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD22	20	16.77
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD23	20	16.77
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD21	20	16.77
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD22	20	16.77
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD23	20	16.77
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD21	20	16.77
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD22	20	16.77
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD23	20	16.77
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD21	20	16.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD22	20	16.77
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD23	20	16.77
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD21	20	16.77
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD22	20	16.77
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD23	20	16.77
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD21	20	16.77
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD22	20	16.77
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD23	20	16.77
(1,426)	1:A:70:SER:HA	1:A:45:ARG:HG3	10	16.77
(1,426)	1:A:70:SER:HA	1:B:45:ARG:HG3	10	16.77
(1,426)	1:B:70:SER:HA	1:A:45:ARG:HG3	10	16.77
(1,426)	1:B:70:SER:HA	1:B:45:ARG:HG3	10	16.77
(1,17)	1:A:95:GLN:H	1:A:71:ARG:H	4	16.77
(1,17)	1:A:95:GLN:H	1:B:71:ARG:H	4	16.77
(1,17)	1:B:95:GLN:H	1:A:71:ARG:H	4	16.77
(1,17)	1:B:95:GLN:H	1:B:71:ARG:H	4	16.77
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD11	18	16.76
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD12	18	16.76
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD13	18	16.76
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD11	18	16.76
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD12	18	16.76
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD13	18	16.76
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD11	18	16.76
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD12	18	16.76
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD13	18	16.76
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD11	18	16.76
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD12	18	16.76
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD13	18	16.76
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD11	18	16.76
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD12	18	16.76
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD13	18	16.76
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD11	18	16.76
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD12	18	16.76
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD13	18	16.76
(1,22)	1:A:64:ALA:H	1:A:43:GLU:HG2	6	16.76
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG2	6	16.76
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG3	6	16.76
(1,22)	1:B:64:ALA:H	1:A:43:GLU:HG2	6	16.76
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG2	6	16.76
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG3	6	16.76
(1,474)	1:A:67:LYS:HA	1:A:45:ARG:HD2	5	16.75
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD2	5	16.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD3	5	16.75
(1,474)	1:B:67:LYS:HA	1:A:45:ARG:HD2	5	16.75
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD2	5	16.75
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD3	5	16.75
(1,426)	1:A:70:SER:HA	1:A:45:ARG:HG3	17	16.75
(1,426)	1:A:70:SER:HA	1:B:45:ARG:HG3	17	16.75
(1,426)	1:B:70:SER:HA	1:A:45:ARG:HG3	17	16.75
(1,426)	1:B:70:SER:HA	1:B:45:ARG:HG3	17	16.75
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD21	19	16.74
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD22	19	16.74
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD23	19	16.74
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD21	19	16.74
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD22	19	16.74
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD23	19	16.74
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD21	19	16.74
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD22	19	16.74
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD23	19	16.74
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD21	19	16.74
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD22	19	16.74
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD23	19	16.74
(1,697)	1:A:70:SER:HA	1:A:45:ARG:HG2	7	16.74
(1,697)	1:A:70:SER:HA	1:B:45:ARG:HG2	7	16.74
(1,697)	1:B:70:SER:HA	1:A:45:ARG:HG2	7	16.74
(1,697)	1:B:70:SER:HA	1:B:45:ARG:HG2	7	16.74
(1,518)	1:A:68:ASP:H	1:A:43:GLU:HG2	12	16.74
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG2	12	16.74
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG3	12	16.74
(1,518)	1:B:68:ASP:H	1:A:43:GLU:HG2	12	16.74
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG2	12	16.74
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG3	12	16.74
(1,22)	1:A:64:ALA:H	1:A:43:GLU:HG2	14	16.73
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG2	14	16.73
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG3	14	16.73
(1,22)	1:B:64:ALA:H	1:A:43:GLU:HG2	14	16.73
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG2	14	16.73
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG3	14	16.73
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD21	18	16.72
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD22	18	16.72
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD23	18	16.72
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD21	18	16.72
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD22	18	16.72
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD23	18	16.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD21	18	16.72
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD22	18	16.72
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD23	18	16.72
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD21	18	16.72
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD22	18	16.72
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD23	18	16.72
(1,17)	1:A:95:GLN:H	1:A:71:ARG:H	5	16.72
(1,17)	1:A:95:GLN:H	1:B:71:ARG:H	5	16.72
(1,17)	1:B:95:GLN:H	1:A:71:ARG:H	5	16.72
(1,17)	1:B:95:GLN:H	1:B:71:ARG:H	5	16.72
(1,474)	1:A:67:LYS:HA	1:A:45:ARG:HD2	8	16.71
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD2	8	16.71
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD3	8	16.71
(1,474)	1:B:67:LYS:HA	1:A:45:ARG:HD2	8	16.71
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD2	8	16.71
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD3	8	16.71
(1,22)	1:A:64:ALA:H	1:A:43:GLU:HG2	20	16.71
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG2	20	16.71
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG3	20	16.71
(1,22)	1:B:64:ALA:H	1:A:43:GLU:HG2	20	16.71
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG2	20	16.71
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG3	20	16.71
(1,477)	1:A:66:LYS:HA	1:A:45:ARG:HD2	10	16.7
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD2	10	16.7
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD3	10	16.7
(1,477)	1:B:66:LYS:HA	1:A:45:ARG:HD2	10	16.7
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD2	10	16.7
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD3	10	16.7
(1,22)	1:A:64:ALA:H	1:A:43:GLU:HG2	9	16.7
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG2	9	16.7
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG3	9	16.7
(1,22)	1:B:64:ALA:H	1:A:43:GLU:HG2	9	16.7
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG2	9	16.7
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG3	9	16.7
(1,525)	1:A:44:LYS:HE2	1:A:70:SER:H	13	16.68
(1,525)	1:A:44:LYS:HE2	1:B:70:SER:H	13	16.68
(1,525)	1:B:44:LYS:HE2	1:A:70:SER:H	13	16.68
(1,525)	1:B:44:LYS:HE2	1:B:70:SER:H	13	16.68
(1,525)	1:B:44:LYS:HE3	1:A:70:SER:H	13	16.68
(1,525)	1:B:44:LYS:HE3	1:B:70:SER:H	13	16.68
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD21	8	16.67
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD22	8	16.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD23	8	16.67
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD21	8	16.67
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD22	8	16.67
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD23	8	16.67
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD21	8	16.67
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD22	8	16.67
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD23	8	16.67
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD21	8	16.67
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD22	8	16.67
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD23	8	16.67
(1,42)	1:A:43:GLU:HG2	1:A:69:SER:H	10	16.67
(1,42)	1:A:43:GLU:HG2	1:B:69:SER:H	10	16.67
(1,42)	1:B:43:GLU:HG2	1:A:69:SER:H	10	16.67
(1,42)	1:B:43:GLU:HG2	1:B:69:SER:H	10	16.67
(1,42)	1:B:43:GLU:HG3	1:A:69:SER:H	10	16.67
(1,42)	1:B:43:GLU:HG3	1:B:69:SER:H	10	16.67
(1,518)	1:A:68:ASP:H	1:A:43:GLU:HG2	7	16.66
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG2	7	16.66
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG3	7	16.66
(1,518)	1:B:68:ASP:H	1:A:43:GLU:HG2	7	16.66
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG2	7	16.66
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG3	7	16.66
(1,303)	1:A:70:SER:H	1:A:45:ARG:HG2	14	16.64
(1,303)	1:A:70:SER:H	1:B:45:ARG:HG2	14	16.64
(1,303)	1:B:70:SER:H	1:A:45:ARG:HG2	14	16.64
(1,303)	1:B:70:SER:H	1:B:45:ARG:HG2	14	16.64
(1,595)	1:A:39:LYS:HG3	1:A:67:LYS:HB2	7	16.63
(1,595)	1:A:39:LYS:HG3	1:B:67:LYS:HB2	7	16.63
(1,595)	1:B:39:LYS:HG3	1:A:67:LYS:HB2	7	16.63
(1,595)	1:B:39:LYS:HG3	1:B:67:LYS:HB2	7	16.63
(1,17)	1:A:95:GLN:H	1:A:71:ARG:H	17	16.63
(1,17)	1:A:95:GLN:H	1:B:71:ARG:H	17	16.63
(1,17)	1:B:95:GLN:H	1:A:71:ARG:H	17	16.63
(1,17)	1:B:95:GLN:H	1:B:71:ARG:H	17	16.63
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD21	14	16.62
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD22	14	16.62
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD23	14	16.62
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD21	14	16.62
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD22	14	16.62
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD23	14	16.62
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD21	14	16.62
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD22	14	16.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD23	14	16.62
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD21	14	16.62
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD22	14	16.62
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD23	14	16.62
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD21	14	16.62
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD22	14	16.62
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD23	14	16.62
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD21	14	16.62
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD22	14	16.62
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD23	14	16.62
(1,525)	1:A:44:LYS:HE2	1:A:70:SER:H	20	16.62
(1,525)	1:A:44:LYS:HE2	1:B:70:SER:H	20	16.62
(1,525)	1:B:44:LYS:HE2	1:A:70:SER:H	20	16.62
(1,525)	1:B:44:LYS:HE2	1:B:70:SER:H	20	16.62
(1,525)	1:B:44:LYS:HE3	1:A:70:SER:H	20	16.62
(1,525)	1:B:44:LYS:HE3	1:B:70:SER:H	20	16.62
(1,477)	1:A:66:LYS:HA	1:A:45:ARG:HD2	15	16.62
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD2	15	16.62
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD3	15	16.62
(1,477)	1:B:66:LYS:HA	1:A:45:ARG:HD2	15	16.62
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD2	15	16.62
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD3	15	16.62
(1,474)	1:A:67:LYS:HA	1:A:45:ARG:HD2	6	16.61
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD2	6	16.61
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD3	6	16.61
(1,474)	1:B:67:LYS:HA	1:A:45:ARG:HD2	6	16.61
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD2	6	16.61
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD3	6	16.61
(1,22)	1:A:64:ALA:H	1:A:43:GLU:HG2	15	16.61
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG2	15	16.61
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG3	15	16.61
(1,22)	1:B:64:ALA:H	1:A:43:GLU:HG2	15	16.61
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG2	15	16.61
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG3	15	16.61
(1,599)	1:A:69:SER:HB2	1:A:44:LYS:HE2	13	16.6
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE2	13	16.6
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE3	13	16.6
(1,599)	1:A:69:SER:HB3	1:A:44:LYS:HE2	13	16.6
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE2	13	16.6
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE3	13	16.6
(1,599)	1:B:69:SER:HB2	1:A:44:LYS:HE2	13	16.6
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE2	13	16.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE3	13	16.6
(1,599)	1:B:69:SER:HB3	1:A:44:LYS:HE2	13	16.6
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE2	13	16.6
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE3	13	16.6
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD11	4	16.6
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD12	4	16.6
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD13	4	16.6
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD11	4	16.6
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD12	4	16.6
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD13	4	16.6
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD11	4	16.6
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD12	4	16.6
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD13	4	16.6
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD11	4	16.6
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD12	4	16.6
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD13	4	16.6
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD11	4	16.6
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD12	4	16.6
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD13	4	16.6
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD11	4	16.6
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD12	4	16.6
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD13	4	16.6
(1,303)	1:A:70:SER:H	1:A:45:ARG:HG2	7	16.6
(1,303)	1:A:70:SER:H	1:B:45:ARG:HG2	7	16.6
(1,303)	1:B:70:SER:H	1:A:45:ARG:HG2	7	16.6
(1,303)	1:B:70:SER:H	1:B:45:ARG:HG2	7	16.6
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD11	11	16.59
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD12	11	16.59
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD13	11	16.59
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD11	11	16.59
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD12	11	16.59
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD13	11	16.59
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD11	11	16.59
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD12	11	16.59
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD13	11	16.59
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD11	11	16.59
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD12	11	16.59
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD13	11	16.59
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD11	11	16.59
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD12	11	16.59
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD13	11	16.59
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD11	11	16.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD12	11	16.59
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD13	11	16.59
(1,457)	1:A:69:SER:HA	1:A:44:LYS:HE2	20	16.59
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE2	20	16.59
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE3	20	16.59
(1,457)	1:B:69:SER:HA	1:A:44:LYS:HE2	20	16.59
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE2	20	16.59
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE3	20	16.59
(1,303)	1:A:70:SER:H	1:A:45:ARG:HG2	17	16.59
(1,303)	1:A:70:SER:H	1:B:45:ARG:HG2	17	16.59
(1,303)	1:B:70:SER:H	1:A:45:ARG:HG2	17	16.59
(1,303)	1:B:70:SER:H	1:B:45:ARG:HG2	17	16.59
(1,22)	1:A:64:ALA:H	1:A:43:GLU:HG2	13	16.59
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG2	13	16.59
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG3	13	16.59
(1,22)	1:B:64:ALA:H	1:A:43:GLU:HG2	13	16.59
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG2	13	16.59
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG3	13	16.59
(1,17)	1:A:95:GLN:H	1:A:71:ARG:H	13	16.58
(1,17)	1:A:95:GLN:H	1:B:71:ARG:H	13	16.58
(1,17)	1:B:95:GLN:H	1:A:71:ARG:H	13	16.58
(1,17)	1:B:95:GLN:H	1:B:71:ARG:H	13	16.58
(1,518)	1:A:68:ASP:H	1:A:43:GLU:HG2	1	16.57
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG2	1	16.57
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG3	1	16.57
(1,518)	1:B:68:ASP:H	1:A:43:GLU:HG2	1	16.57
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG2	1	16.57
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG3	1	16.57
(1,22)	1:A:64:ALA:H	1:A:43:GLU:HG2	12	16.57
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG2	12	16.57
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG3	12	16.57
(1,22)	1:B:64:ALA:H	1:A:43:GLU:HG2	12	16.57
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG2	12	16.57
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG3	12	16.57
(1,17)	1:A:95:GLN:H	1:A:71:ARG:H	11	16.56
(1,17)	1:A:95:GLN:H	1:B:71:ARG:H	11	16.56
(1,17)	1:B:95:GLN:H	1:A:71:ARG:H	11	16.56
(1,17)	1:B:95:GLN:H	1:B:71:ARG:H	11	16.56
(1,347)	1:A:67:LYS:H	1:A:45:ARG:HD2	2	16.55
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD2	2	16.55
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD3	2	16.55
(1,347)	1:B:67:LYS:H	1:A:45:ARG:HD2	2	16.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD2	2	16.55
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD3	2	16.55
(1,515)	1:A:36:LYS:HE2	1:A:62:LEU:H	18	16.54
(1,515)	1:A:36:LYS:HE2	1:B:62:LEU:H	18	16.54
(1,515)	1:B:36:LYS:HE2	1:A:62:LEU:H	18	16.54
(1,515)	1:B:36:LYS:HE2	1:B:62:LEU:H	18	16.54
(1,515)	1:B:36:LYS:HE3	1:A:62:LEU:H	18	16.54
(1,515)	1:B:36:LYS:HE3	1:B:62:LEU:H	18	16.54
(1,22)	1:A:64:ALA:H	1:A:43:GLU:HG2	11	16.54
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG2	11	16.54
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG3	11	16.54
(1,22)	1:B:64:ALA:H	1:A:43:GLU:HG2	11	16.54
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG2	11	16.54
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG3	11	16.54
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD11	7	16.53
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD12	7	16.53
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD13	7	16.53
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD11	7	16.53
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD12	7	16.53
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD13	7	16.53
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD11	7	16.53
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD12	7	16.53
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD13	7	16.53
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD11	7	16.53
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD12	7	16.53
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD13	7	16.53
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD11	7	16.53
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD12	7	16.53
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD13	7	16.53
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD11	7	16.53
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD12	7	16.53
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD13	7	16.53
(1,518)	1:A:68:ASP:H	1:A:43:GLU:HG2	16	16.53
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG2	16	16.53
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG3	16	16.53
(1,518)	1:B:68:ASP:H	1:A:43:GLU:HG2	16	16.53
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG2	16	16.53
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG3	16	16.53
(1,347)	1:A:67:LYS:H	1:A:45:ARG:HD2	9	16.53
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD2	9	16.53
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD3	9	16.53
(1,347)	1:B:67:LYS:H	1:A:45:ARG:HD2	9	16.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD2	9	16.53
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD3	9	16.53
(1,17)	1:A:95:GLN:H	1:A:71:ARG:H	10	16.52
(1,17)	1:A:95:GLN:H	1:B:71:ARG:H	10	16.52
(1,17)	1:B:95:GLN:H	1:A:71:ARG:H	10	16.52
(1,17)	1:B:95:GLN:H	1:B:71:ARG:H	10	16.52
(1,17)	1:A:95:GLN:H	1:A:71:ARG:H	19	16.52
(1,17)	1:A:95:GLN:H	1:B:71:ARG:H	19	16.52
(1,17)	1:B:95:GLN:H	1:A:71:ARG:H	19	16.52
(1,17)	1:B:95:GLN:H	1:B:71:ARG:H	19	16.52
(1,599)	1:A:69:SER:HB2	1:A:44:LYS:HE2	7	16.5
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE2	7	16.5
(1,599)	1:A:69:SER:HB2	1:B:44:LYS:HE3	7	16.5
(1,599)	1:A:69:SER:HB3	1:A:44:LYS:HE2	7	16.5
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE2	7	16.5
(1,599)	1:A:69:SER:HB3	1:B:44:LYS:HE3	7	16.5
(1,599)	1:B:69:SER:HB2	1:A:44:LYS:HE2	7	16.5
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE2	7	16.5
(1,599)	1:B:69:SER:HB2	1:B:44:LYS:HE3	7	16.5
(1,599)	1:B:69:SER:HB3	1:A:44:LYS:HE2	7	16.5
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE2	7	16.5
(1,599)	1:B:69:SER:HB3	1:B:44:LYS:HE3	7	16.5
(1,500)	1:A:70:SER:H	1:A:45:ARG:HD2	9	16.5
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD2	9	16.5
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD3	9	16.5
(1,500)	1:B:70:SER:H	1:A:45:ARG:HD2	9	16.5
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD2	9	16.5
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD3	9	16.5
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD21	14	16.49
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD22	14	16.49
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD23	14	16.49
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD21	14	16.49
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD22	14	16.49
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD23	14	16.49
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD21	14	16.49
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD22	14	16.49
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD23	14	16.49
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD21	14	16.49
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD22	14	16.49
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD23	14	16.49
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD21	14	16.49
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD22	14	16.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD23	14	16.49
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD21	14	16.49
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD22	14	16.49
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD23	14	16.49
(1,604)	1:A:61:ILE:HD11	1:A:36:LYS:HE2	18	16.49
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE2	18	16.49
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE3	18	16.49
(1,604)	1:A:61:ILE:HD12	1:A:36:LYS:HE2	18	16.49
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE2	18	16.49
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE3	18	16.49
(1,604)	1:A:61:ILE:HD13	1:A:36:LYS:HE2	18	16.49
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE2	18	16.49
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE3	18	16.49
(1,604)	1:B:61:ILE:HD11	1:A:36:LYS:HE2	18	16.49
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE2	18	16.49
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE3	18	16.49
(1,604)	1:B:61:ILE:HD12	1:A:36:LYS:HE2	18	16.49
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE2	18	16.49
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE3	18	16.49
(1,604)	1:B:61:ILE:HD13	1:A:36:LYS:HE2	18	16.49
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE2	18	16.49
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE3	18	16.49
(1,40)	1:A:69:SER:H	1:A:45:ARG:HD2	9	16.49
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD2	9	16.49
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD3	9	16.49
(1,40)	1:B:69:SER:H	1:A:45:ARG:HD2	9	16.49
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD2	9	16.49
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD3	9	16.49
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD11	17	16.48
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD12	17	16.48
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD13	17	16.48
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD11	17	16.48
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD12	17	16.48
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD13	17	16.48
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD11	17	16.48
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD12	17	16.48
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD13	17	16.48
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD11	17	16.48
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD12	17	16.48
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD13	17	16.48
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD11	17	16.48
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD12	17	16.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD13	17	16.48
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD11	17	16.48
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD12	17	16.48
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD13	17	16.48
(1,457)	1:A:69:SER:HA	1:A:44:LYS:HE2	13	16.47
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE2	13	16.47
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE3	13	16.47
(1,457)	1:B:69:SER:HA	1:A:44:LYS:HE2	13	16.47
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE2	13	16.47
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE3	13	16.47
(1,426)	1:A:70:SER:HA	1:A:45:ARG:HG3	18	16.45
(1,426)	1:A:70:SER:HA	1:B:45:ARG:HG3	18	16.45
(1,426)	1:B:70:SER:HA	1:A:45:ARG:HG3	18	16.45
(1,426)	1:B:70:SER:HA	1:B:45:ARG:HG3	18	16.45
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD21	18	16.44
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD22	18	16.44
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD23	18	16.44
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD21	18	16.44
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD22	18	16.44
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD23	18	16.44
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD21	18	16.44
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD22	18	16.44
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD23	18	16.44
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD21	18	16.44
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD22	18	16.44
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD23	18	16.44
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD21	18	16.44
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD22	18	16.44
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD23	18	16.44
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD21	18	16.44
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD22	18	16.44
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD23	18	16.44
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD21	15	16.44
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD22	15	16.44
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD23	15	16.44
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD21	15	16.44
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD22	15	16.44
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD23	15	16.44
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD21	15	16.44
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD22	15	16.44
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD23	15	16.44
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD21	15	16.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD22	15	16.44
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD23	15	16.44
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD11	1	16.44
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD12	1	16.44
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD13	1	16.44
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD11	1	16.44
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD12	1	16.44
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD13	1	16.44
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD11	1	16.44
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD12	1	16.44
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD13	1	16.44
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD11	1	16.44
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD12	1	16.44
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD13	1	16.44
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD11	1	16.44
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD12	1	16.44
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD13	1	16.44
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD11	1	16.44
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD12	1	16.44
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD13	1	16.44
(1,595)	1:A:39:LYS:HG3	1:A:67:LYS:HB2	15	16.43
(1,595)	1:A:39:LYS:HG3	1:B:67:LYS:HB2	15	16.43
(1,595)	1:B:39:LYS:HG3	1:A:67:LYS:HB2	15	16.43
(1,595)	1:B:39:LYS:HG3	1:B:67:LYS:HB2	15	16.43
(1,589)	1:A:68:ASP:HB2	1:A:43:GLU:HG2	6	16.42
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG2	6	16.42
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG3	6	16.42
(1,589)	1:A:68:ASP:HB3	1:A:43:GLU:HG2	6	16.42
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG2	6	16.42
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG3	6	16.42
(1,589)	1:B:68:ASP:HB2	1:A:43:GLU:HG2	6	16.42
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG2	6	16.42
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG3	6	16.42
(1,589)	1:B:68:ASP:HB3	1:A:43:GLU:HG2	6	16.42
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG2	6	16.42
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG3	6	16.42
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD21	3	16.41
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD22	3	16.41
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD23	3	16.41
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD21	3	16.41
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD22	3	16.41
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD23	3	16.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD21	3	16.41
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD22	3	16.41
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD23	3	16.41
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD21	3	16.41
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD22	3	16.41
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD23	3	16.41
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD11	12	16.41
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD12	12	16.41
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD13	12	16.41
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD11	12	16.41
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD12	12	16.41
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD13	12	16.41
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD11	12	16.41
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD12	12	16.41
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD13	12	16.41
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD11	12	16.41
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD12	12	16.41
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD13	12	16.41
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD11	12	16.41
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD12	12	16.41
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD13	12	16.41
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD11	12	16.41
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD12	12	16.41
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD13	12	16.41
(1,515)	1:A:36:LYS:HE2	1:A:62:LEU:H	10	16.41
(1,515)	1:A:36:LYS:HE2	1:B:62:LEU:H	10	16.41
(1,515)	1:B:36:LYS:HE2	1:A:62:LEU:H	10	16.41
(1,515)	1:B:36:LYS:HE2	1:B:62:LEU:H	10	16.41
(1,515)	1:B:36:LYS:HE3	1:A:62:LEU:H	10	16.41
(1,515)	1:B:36:LYS:HE3	1:B:62:LEU:H	10	16.41
(1,22)	1:A:64:ALA:H	1:A:43:GLU:HG2	10	16.41
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG2	10	16.41
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG3	10	16.41
(1,22)	1:B:64:ALA:H	1:A:43:GLU:HG2	10	16.41
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG2	10	16.41
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG3	10	16.41
(1,579)	1:A:61:ILE:HB	1:A:36:LYS:HE2	12	16.39
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE2	12	16.39
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE3	12	16.39
(1,579)	1:B:61:ILE:HB	1:A:36:LYS:HE2	12	16.39
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE2	12	16.39
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE3	12	16.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,303)	1:A:70:SER:H	1:A:45:ARG:HG2	18	16.39
(1,303)	1:A:70:SER:H	1:B:45:ARG:HG2	18	16.39
(1,303)	1:B:70:SER:H	1:A:45:ARG:HG2	18	16.39
(1,303)	1:B:70:SER:H	1:B:45:ARG:HG2	18	16.39
(1,17)	1:A:95:GLN:H	1:A:71:ARG:H	9	16.39
(1,17)	1:A:95:GLN:H	1:B:71:ARG:H	9	16.39
(1,17)	1:B:95:GLN:H	1:A:71:ARG:H	9	16.39
(1,17)	1:B:95:GLN:H	1:B:71:ARG:H	9	16.39
(1,697)	1:A:70:SER:HA	1:A:45:ARG:HG2	14	16.38
(1,697)	1:A:70:SER:HA	1:B:45:ARG:HG2	14	16.38
(1,697)	1:B:70:SER:HA	1:A:45:ARG:HG2	14	16.38
(1,697)	1:B:70:SER:HA	1:B:45:ARG:HG2	14	16.38
(1,612)	1:A:41:ILE:HG12	1:A:67:LYS:HG2	15	16.38
(1,612)	1:A:41:ILE:HG12	1:B:67:LYS:HG2	15	16.38
(1,612)	1:B:41:ILE:HG12	1:A:67:LYS:HG2	15	16.38
(1,612)	1:B:41:ILE:HG12	1:B:67:LYS:HG2	15	16.38
(1,347)	1:A:67:LYS:H	1:A:45:ARG:HD2	13	16.36
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD2	13	16.36
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD3	13	16.36
(1,347)	1:B:67:LYS:H	1:A:45:ARG:HD2	13	16.36
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD2	13	16.36
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD3	13	16.36
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD21	9	16.35
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD22	9	16.35
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD23	9	16.35
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD21	9	16.35
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD22	9	16.35
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD23	9	16.35
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD21	9	16.35
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD22	9	16.35
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD23	9	16.35
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD21	9	16.35
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD22	9	16.35
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD23	9	16.35
(1,477)	1:A:66:LYS:HA	1:A:45:ARG:HD2	17	16.35
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD2	17	16.35
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD3	17	16.35
(1,477)	1:B:66:LYS:HA	1:A:45:ARG:HD2	17	16.35
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD2	17	16.35
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD3	17	16.35
(1,22)	1:A:64:ALA:H	1:A:43:GLU:HG2	7	16.35
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG2	7	16.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG3	7	16.35
(1,22)	1:B:64:ALA:H	1:A:43:GLU:HG2	7	16.35
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG2	7	16.35
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG3	7	16.35
(1,525)	1:A:44:LYS:HE2	1:A:70:SER:H	7	16.34
(1,525)	1:A:44:LYS:HE2	1:B:70:SER:H	7	16.34
(1,525)	1:B:44:LYS:HE2	1:A:70:SER:H	7	16.34
(1,525)	1:B:44:LYS:HE2	1:B:70:SER:H	7	16.34
(1,525)	1:B:44:LYS:HE3	1:A:70:SER:H	7	16.34
(1,525)	1:B:44:LYS:HE3	1:B:70:SER:H	7	16.34
(1,22)	1:A:64:ALA:H	1:A:43:GLU:HG2	1	16.34
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG2	1	16.34
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG3	1	16.34
(1,22)	1:B:64:ALA:H	1:A:43:GLU:HG2	1	16.34
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG2	1	16.34
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG3	1	16.34
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD21	20	16.33
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD22	20	16.33
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD23	20	16.33
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD21	20	16.33
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD22	20	16.33
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD23	20	16.33
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD21	20	16.33
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD22	20	16.33
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD23	20	16.33
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD21	20	16.33
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD22	20	16.33
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD23	20	16.33
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD21	20	16.33
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD22	20	16.33
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD23	20	16.33
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD21	20	16.33
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD22	20	16.33
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD23	20	16.33
(1,589)	1:A:68:ASP:HB2	1:A:43:GLU:HG2	8	16.33
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG2	8	16.33
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG3	8	16.33
(1,589)	1:A:68:ASP:HB3	1:A:43:GLU:HG2	8	16.33
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG2	8	16.33
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG3	8	16.33
(1,589)	1:B:68:ASP:HB2	1:A:43:GLU:HG2	8	16.33
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG2	8	16.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG3	8	16.33
(1,589)	1:B:68:ASP:HB3	1:A:43:GLU:HG2	8	16.33
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG2	8	16.33
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG3	8	16.33
(1,518)	1:A:68:ASP:H	1:A:43:GLU:HG2	10	16.33
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG2	10	16.33
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG3	10	16.33
(1,518)	1:B:68:ASP:H	1:A:43:GLU:HG2	10	16.33
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG2	10	16.33
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG3	10	16.33
(1,474)	1:A:67:LYS:HA	1:A:45:ARG:HD2	11	16.33
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD2	11	16.33
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD3	11	16.33
(1,474)	1:B:67:LYS:HA	1:A:45:ARG:HD2	11	16.33
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD2	11	16.33
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD3	11	16.33
(1,426)	1:A:70:SER:HA	1:A:45:ARG:HG3	14	16.33
(1,426)	1:A:70:SER:HA	1:B:45:ARG:HG3	14	16.33
(1,426)	1:B:70:SER:HA	1:A:45:ARG:HG3	14	16.33
(1,426)	1:B:70:SER:HA	1:B:45:ARG:HG3	14	16.33
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD11	15	16.31
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD12	15	16.31
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD13	15	16.31
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD11	15	16.31
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD12	15	16.31
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD13	15	16.31
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD11	15	16.31
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD12	15	16.31
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD13	15	16.31
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD11	15	16.31
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD12	15	16.31
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD13	15	16.31
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD11	15	16.31
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD12	15	16.31
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD13	15	16.31
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD11	15	16.31
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD12	15	16.31
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD13	15	16.31
(1,477)	1:A:66:LYS:HA	1:A:45:ARG:HD2	20	16.31
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD2	20	16.31
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD3	20	16.31
(1,477)	1:B:66:LYS:HA	1:A:45:ARG:HD2	20	16.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD2	20	16.31
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD3	20	16.31
(1,477)	1:A:66:LYS:HA	1:A:45:ARG:HD2	7	16.3
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD2	7	16.3
(1,477)	1:A:66:LYS:HA	1:B:45:ARG:HD3	7	16.3
(1,477)	1:B:66:LYS:HA	1:A:45:ARG:HD2	7	16.3
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD2	7	16.3
(1,477)	1:B:66:LYS:HA	1:B:45:ARG:HD3	7	16.3
(1,518)	1:A:68:ASP:H	1:A:43:GLU:HG2	2	16.29
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG2	2	16.29
(1,518)	1:A:68:ASP:H	1:B:43:GLU:HG3	2	16.29
(1,518)	1:B:68:ASP:H	1:A:43:GLU:HG2	2	16.29
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG2	2	16.29
(1,518)	1:B:68:ASP:H	1:B:43:GLU:HG3	2	16.29
(1,589)	1:A:68:ASP:HB2	1:A:43:GLU:HG2	4	16.28
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG2	4	16.28
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG3	4	16.28
(1,589)	1:A:68:ASP:HB3	1:A:43:GLU:HG2	4	16.28
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG2	4	16.28
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG3	4	16.28
(1,589)	1:B:68:ASP:HB2	1:A:43:GLU:HG2	4	16.28
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG2	4	16.28
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG3	4	16.28
(1,589)	1:B:68:ASP:HB3	1:A:43:GLU:HG2	4	16.28
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG2	4	16.28
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG3	4	16.28
(1,347)	1:A:67:LYS:H	1:A:45:ARG:HD2	4	16.28
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD2	4	16.28
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD3	4	16.28
(1,347)	1:B:67:LYS:H	1:A:45:ARG:HD2	4	16.28
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD2	4	16.28
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD3	4	16.28
(1,579)	1:A:61:ILE:HB	1:A:36:LYS:HE2	15	16.27
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE2	15	16.27
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE3	15	16.27
(1,579)	1:B:61:ILE:HB	1:A:36:LYS:HE2	15	16.27
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE2	15	16.27
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE3	15	16.27
(1,40)	1:A:69:SER:H	1:A:45:ARG:HD2	4	16.27
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD2	4	16.27
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD3	4	16.27
(1,40)	1:B:69:SER:H	1:A:45:ARG:HD2	4	16.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD2	4	16.27
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD3	4	16.27
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD21	10	16.26
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD22	10	16.26
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD23	10	16.26
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD21	10	16.26
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD22	10	16.26
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD23	10	16.26
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD21	10	16.26
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD22	10	16.26
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD23	10	16.26
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD21	10	16.26
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD22	10	16.26
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD23	10	16.26
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD21	10	16.26
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD22	10	16.26
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD23	10	16.26
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD21	10	16.26
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD22	10	16.26
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD23	10	16.26
(1,474)	1:A:67:LYS:HA	1:A:45:ARG:HD2	3	16.26
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD2	3	16.26
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD3	3	16.26
(1,474)	1:B:67:LYS:HA	1:A:45:ARG:HD2	3	16.26
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD2	3	16.26
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD3	3	16.26
(1,330)	1:A:93:ARG:HB3	1:A:71:ARG:H	12	16.26
(1,330)	1:A:93:ARG:HB3	1:B:71:ARG:H	12	16.26
(1,330)	1:B:93:ARG:HB3	1:A:71:ARG:H	12	16.26
(1,330)	1:B:93:ARG:HB3	1:B:71:ARG:H	12	16.26
(1,22)	1:A:64:ALA:H	1:A:43:GLU:HG2	16	16.26
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG2	16	16.26
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG3	16	16.26
(1,22)	1:B:64:ALA:H	1:A:43:GLU:HG2	16	16.26
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG2	16	16.26
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG3	16	16.26
(1,697)	1:A:70:SER:HA	1:A:45:ARG:HG2	18	16.25
(1,697)	1:A:70:SER:HA	1:B:45:ARG:HG2	18	16.25
(1,697)	1:B:70:SER:HA	1:A:45:ARG:HG2	18	16.25
(1,697)	1:B:70:SER:HA	1:B:45:ARG:HG2	18	16.25
(1,465)	1:A:61:ILE:HA	1:A:36:LYS:HE2	13	16.25
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE2	13	16.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE3	13	16.25
(1,465)	1:B:61:ILE:HA	1:A:36:LYS:HE2	13	16.25
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE2	13	16.25
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE3	13	16.25
(1,474)	1:A:67:LYS:HA	1:A:45:ARG:HD2	18	16.24
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD2	18	16.24
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD3	18	16.24
(1,474)	1:B:67:LYS:HA	1:A:45:ARG:HD2	18	16.24
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD2	18	16.24
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD3	18	16.24
(1,47)	1:A:43:GLU:HG2	1:A:70:SER:H	6	16.24
(1,47)	1:A:43:GLU:HG2	1:B:70:SER:H	6	16.24
(1,47)	1:B:43:GLU:HG2	1:A:70:SER:H	6	16.24
(1,47)	1:B:43:GLU:HG2	1:B:70:SER:H	6	16.24
(1,47)	1:B:43:GLU:HG3	1:A:70:SER:H	6	16.24
(1,47)	1:B:43:GLU:HG3	1:B:70:SER:H	6	16.24
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD21	7	16.23
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD22	7	16.23
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD23	7	16.23
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD21	7	16.23
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD22	7	16.23
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD23	7	16.23
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD21	7	16.23
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD22	7	16.23
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD23	7	16.23
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD21	7	16.23
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD22	7	16.23
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD23	7	16.23
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD21	7	16.23
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD22	7	16.23
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD23	7	16.23
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD21	7	16.23
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD22	7	16.23
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD23	7	16.23
(1,457)	1:A:69:SER:HA	1:A:44:LYS:HE2	7	16.23
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE2	7	16.23
(1,457)	1:A:69:SER:HA	1:B:44:LYS:HE3	7	16.23
(1,457)	1:B:69:SER:HA	1:A:44:LYS:HE2	7	16.23
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE2	7	16.23
(1,457)	1:B:69:SER:HA	1:B:44:LYS:HE3	7	16.23
(1,604)	1:A:61:ILE:HD11	1:A:36:LYS:HE2	10	16.22
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE2	10	16.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE3	10	16.22
(1,604)	1:A:61:ILE:HD12	1:A:36:LYS:HE2	10	16.22
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE2	10	16.22
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE3	10	16.22
(1,604)	1:A:61:ILE:HD13	1:A:36:LYS:HE2	10	16.22
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE2	10	16.22
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE3	10	16.22
(1,604)	1:B:61:ILE:HD11	1:A:36:LYS:HE2	10	16.22
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE2	10	16.22
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE3	10	16.22
(1,604)	1:B:61:ILE:HD12	1:A:36:LYS:HE2	10	16.22
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE2	10	16.22
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE3	10	16.22
(1,604)	1:B:61:ILE:HD13	1:A:36:LYS:HE2	10	16.22
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE2	10	16.22
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE3	10	16.22
(1,474)	1:A:67:LYS:HA	1:A:45:ARG:HD2	1	16.22
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD2	1	16.22
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD3	1	16.22
(1,474)	1:B:67:LYS:HA	1:A:45:ARG:HD2	1	16.22
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD2	1	16.22
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD3	1	16.22
(1,330)	1:A:93:ARG:HB3	1:A:71:ARG:H	1	16.21
(1,330)	1:A:93:ARG:HB3	1:B:71:ARG:H	1	16.21
(1,330)	1:B:93:ARG:HB3	1:A:71:ARG:H	1	16.21
(1,330)	1:B:93:ARG:HB3	1:B:71:ARG:H	1	16.21
(1,17)	1:A:95:GLN:H	1:A:71:ARG:H	8	16.21
(1,17)	1:A:95:GLN:H	1:B:71:ARG:H	8	16.21
(1,17)	1:B:95:GLN:H	1:A:71:ARG:H	8	16.21
(1,17)	1:B:95:GLN:H	1:B:71:ARG:H	8	16.21
(1,595)	1:A:39:LYS:HG3	1:A:67:LYS:HB2	10	16.19
(1,595)	1:A:39:LYS:HG3	1:B:67:LYS:HB2	10	16.19
(1,595)	1:B:39:LYS:HG3	1:A:67:LYS:HB2	10	16.19
(1,595)	1:B:39:LYS:HG3	1:B:67:LYS:HB2	10	16.19
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD21	16	16.18
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD22	16	16.18
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD23	16	16.18
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD21	16	16.18
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD22	16	16.18
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD23	16	16.18
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD21	16	16.18
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD22	16	16.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD23	16	16.18
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD21	16	16.18
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD22	16	16.18
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD23	16	16.18
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD21	16	16.18
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD22	16	16.18
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD23	16	16.18
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD21	16	16.18
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD22	16	16.18
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD23	16	16.18
(1,465)	1:A:61:ILE:HA	1:A:36:LYS:HE2	16	16.18
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE2	16	16.18
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE3	16	16.18
(1,465)	1:B:61:ILE:HA	1:A:36:LYS:HE2	16	16.18
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE2	16	16.18
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE3	16	16.18
(1,330)	1:A:93:ARG:HB3	1:A:71:ARG:H	9	16.18
(1,330)	1:A:93:ARG:HB3	1:B:71:ARG:H	9	16.18
(1,330)	1:B:93:ARG:HB3	1:A:71:ARG:H	9	16.18
(1,330)	1:B:93:ARG:HB3	1:B:71:ARG:H	9	16.18
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD21	14	16.17
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD22	14	16.17
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD23	14	16.17
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD21	14	16.17
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD22	14	16.17
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD23	14	16.17
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD21	14	16.17
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD22	14	16.17
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD23	14	16.17
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD21	14	16.17
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD22	14	16.17
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD23	14	16.17
(1,474)	1:A:67:LYS:HA	1:A:45:ARG:HD2	16	16.17
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD2	16	16.17
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD3	16	16.17
(1,474)	1:B:67:LYS:HA	1:A:45:ARG:HD2	16	16.17
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD2	16	16.17
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD3	16	16.17
(1,47)	1:A:43:GLU:HG2	1:A:70:SER:H	4	16.17
(1,47)	1:A:43:GLU:HG2	1:B:70:SER:H	4	16.17
(1,47)	1:B:43:GLU:HG2	1:A:70:SER:H	4	16.17
(1,47)	1:B:43:GLU:HG2	1:B:70:SER:H	4	16.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,47)	1:B:43:GLU:HG3	1:A:70:SER:H	4	16.17
(1,47)	1:B:43:GLU:HG3	1:B:70:SER:H	4	16.17
(1,500)	1:A:70:SER:H	1:A:45:ARG:HD2	12	16.16
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD2	12	16.16
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD3	12	16.16
(1,500)	1:B:70:SER:H	1:A:45:ARG:HD2	12	16.16
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD2	12	16.16
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD3	12	16.16
(1,40)	1:A:69:SER:H	1:A:45:ARG:HD2	12	16.16
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD2	12	16.16
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD3	12	16.16
(1,40)	1:B:69:SER:H	1:A:45:ARG:HD2	12	16.16
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD2	12	16.16
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD3	12	16.16
(1,22)	1:A:64:ALA:H	1:A:43:GLU:HG2	2	16.16
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG2	2	16.16
(1,22)	1:A:64:ALA:H	1:B:43:GLU:HG3	2	16.16
(1,22)	1:B:64:ALA:H	1:A:43:GLU:HG2	2	16.16
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG2	2	16.16
(1,22)	1:B:64:ALA:H	1:B:43:GLU:HG3	2	16.16
(1,595)	1:A:39:LYS:HG3	1:A:67:LYS:HB2	1	16.14
(1,595)	1:A:39:LYS:HG3	1:B:67:LYS:HB2	1	16.14
(1,595)	1:B:39:LYS:HG3	1:A:67:LYS:HB2	1	16.14
(1,595)	1:B:39:LYS:HG3	1:B:67:LYS:HB2	1	16.14
(1,47)	1:A:43:GLU:HG2	1:A:70:SER:H	20	16.14
(1,47)	1:A:43:GLU:HG2	1:B:70:SER:H	20	16.14
(1,47)	1:B:43:GLU:HG2	1:A:70:SER:H	20	16.14
(1,47)	1:B:43:GLU:HG2	1:B:70:SER:H	20	16.14
(1,47)	1:B:43:GLU:HG3	1:A:70:SER:H	20	16.14
(1,47)	1:B:43:GLU:HG3	1:B:70:SER:H	20	16.14
(1,330)	1:A:93:ARG:HB3	1:A:71:ARG:H	15	16.14
(1,330)	1:A:93:ARG:HB3	1:B:71:ARG:H	15	16.14
(1,330)	1:B:93:ARG:HB3	1:A:71:ARG:H	15	16.14
(1,330)	1:B:93:ARG:HB3	1:B:71:ARG:H	15	16.14
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD21	2	16.13
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD22	2	16.13
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD23	2	16.13
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD21	2	16.13
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD22	2	16.13
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD23	2	16.13
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD21	2	16.13
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD22	2	16.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD23	2	16.13
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD21	2	16.13
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD22	2	16.13
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD23	2	16.13
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD21	2	16.13
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD22	2	16.13
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD23	2	16.13
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD21	2	16.13
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD22	2	16.13
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD23	2	16.13
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD21	7	16.12
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD22	7	16.12
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD23	7	16.12
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD21	7	16.12
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD22	7	16.12
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD23	7	16.12
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD21	7	16.12
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD22	7	16.12
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD23	7	16.12
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD21	7	16.12
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD22	7	16.12
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD23	7	16.12
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD21	7	16.12
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD22	7	16.12
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD23	7	16.12
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD21	7	16.12
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD22	7	16.12
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD23	7	16.12
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD21	18	16.12
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD22	18	16.12
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD23	18	16.12
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD21	18	16.12
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD22	18	16.12
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD23	18	16.12
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD21	18	16.12
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD22	18	16.12
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD23	18	16.12
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD21	18	16.12
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD22	18	16.12
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD23	18	16.12
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD21	18	16.12
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD22	18	16.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD23	18	16.12
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD21	18	16.12
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD22	18	16.12
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD23	18	16.12
(1,500)	1:A:70:SER:H	1:A:45:ARG:HD2	4	16.12
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD2	4	16.12
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD3	4	16.12
(1,500)	1:B:70:SER:H	1:A:45:ARG:HD2	4	16.12
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD2	4	16.12
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD3	4	16.12
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD21	20	16.1
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD22	20	16.1
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD23	20	16.1
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD21	20	16.1
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD22	20	16.1
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD23	20	16.1
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD21	20	16.1
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD22	20	16.1
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD23	20	16.1
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD21	20	16.1
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD22	20	16.1
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD23	20	16.1
(1,330)	1:A:93:ARG:HB3	1:A:71:ARG:H	2	16.1
(1,330)	1:A:93:ARG:HB3	1:B:71:ARG:H	2	16.1
(1,330)	1:B:93:ARG:HB3	1:A:71:ARG:H	2	16.1
(1,330)	1:B:93:ARG:HB3	1:B:71:ARG:H	2	16.1
(1,515)	1:A:36:LYS:HE2	1:A:62:LEU:H	20	16.09
(1,515)	1:A:36:LYS:HE2	1:B:62:LEU:H	20	16.09
(1,515)	1:B:36:LYS:HE2	1:A:62:LEU:H	20	16.09
(1,515)	1:B:36:LYS:HE2	1:B:62:LEU:H	20	16.09
(1,515)	1:B:36:LYS:HE3	1:A:62:LEU:H	20	16.09
(1,515)	1:B:36:LYS:HE3	1:B:62:LEU:H	20	16.09
(1,468)	1:A:70:SER:HA	1:A:45:ARG:HD2	2	16.09
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD2	2	16.09
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD3	2	16.09
(1,468)	1:B:70:SER:HA	1:A:45:ARG:HD2	2	16.09
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD2	2	16.09
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD3	2	16.09
(1,330)	1:A:93:ARG:HB3	1:A:71:ARG:H	5	16.07
(1,330)	1:A:93:ARG:HB3	1:B:71:ARG:H	5	16.07
(1,330)	1:B:93:ARG:HB3	1:A:71:ARG:H	5	16.07
(1,330)	1:B:93:ARG:HB3	1:B:71:ARG:H	5	16.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,347)	1:A:67:LYS:H	1:A:45:ARG:HD2	8	16.06
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD2	8	16.06
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD3	8	16.06
(1,347)	1:B:67:LYS:H	1:A:45:ARG:HD2	8	16.06
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD2	8	16.06
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD3	8	16.06
(1,47)	1:A:43:GLU:HG2	1:A:70:SER:H	8	16.05
(1,47)	1:A:43:GLU:HG2	1:B:70:SER:H	8	16.05
(1,47)	1:B:43:GLU:HG2	1:A:70:SER:H	8	16.05
(1,47)	1:B:43:GLU:HG2	1:B:70:SER:H	8	16.05
(1,47)	1:B:43:GLU:HG3	1:A:70:SER:H	8	16.05
(1,47)	1:B:43:GLU:HG3	1:B:70:SER:H	8	16.05
(1,589)	1:A:68:ASP:HB2	1:A:43:GLU:HG2	19	16.04
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG2	19	16.04
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG3	19	16.04
(1,589)	1:A:68:ASP:HB3	1:A:43:GLU:HG2	19	16.04
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG2	19	16.04
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG3	19	16.04
(1,589)	1:B:68:ASP:HB2	1:A:43:GLU:HG2	19	16.04
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG2	19	16.04
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG3	19	16.04
(1,589)	1:B:68:ASP:HB3	1:A:43:GLU:HG2	19	16.04
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG2	19	16.04
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG3	19	16.04
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD21	11	16.04
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD22	11	16.04
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD23	11	16.04
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD21	11	16.04
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD22	11	16.04
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD23	11	16.04
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD21	11	16.04
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD22	11	16.04
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD23	11	16.04
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD21	11	16.04
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD22	11	16.04
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD23	11	16.04
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD21	11	16.04
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD22	11	16.04
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD23	11	16.04
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD21	11	16.04
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD22	11	16.04
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD23	11	16.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:A:68:ASP:HB2	1:A:43:GLU:HG2	20	16.02
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG2	20	16.02
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG3	20	16.02
(1,589)	1:A:68:ASP:HB3	1:A:43:GLU:HG2	20	16.02
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG2	20	16.02
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG3	20	16.02
(1,589)	1:B:68:ASP:HB2	1:A:43:GLU:HG2	20	16.02
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG2	20	16.02
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG3	20	16.02
(1,589)	1:B:68:ASP:HB3	1:A:43:GLU:HG2	20	16.02
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG2	20	16.02
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG3	20	16.02
(1,474)	1:A:67:LYS:HA	1:A:45:ARG:HD2	17	16.02
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD2	17	16.02
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD3	17	16.02
(1,474)	1:B:67:LYS:HA	1:A:45:ARG:HD2	17	16.02
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD2	17	16.02
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD3	17	16.02
(1,330)	1:A:93:ARG:HB3	1:A:71:ARG:H	6	16.02
(1,330)	1:A:93:ARG:HB3	1:B:71:ARG:H	6	16.02
(1,330)	1:B:93:ARG:HB3	1:A:71:ARG:H	6	16.02
(1,330)	1:B:93:ARG:HB3	1:B:71:ARG:H	6	16.02
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD21	11	15.98
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD22	11	15.98
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD23	11	15.98
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD21	11	15.98
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD22	11	15.98
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD23	11	15.98
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD21	11	15.98
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD22	11	15.98
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD23	11	15.98
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD21	11	15.98
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD22	11	15.98
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD23	11	15.98
(1,579)	1:A:61:ILE:HB	1:A:36:LYS:HE2	3	15.97
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE2	3	15.97
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE3	3	15.97
(1,579)	1:B:61:ILE:HB	1:A:36:LYS:HE2	3	15.97
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE2	3	15.97
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE3	3	15.97
(1,474)	1:A:67:LYS:HA	1:A:45:ARG:HD2	10	15.97
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD2	10	15.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD3	10	15.97
(1,474)	1:B:67:LYS:HA	1:A:45:ARG:HD2	10	15.97
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD2	10	15.97
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD3	10	15.97
(1,347)	1:A:67:LYS:H	1:A:45:ARG:HD2	19	15.97
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD2	19	15.97
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD3	19	15.97
(1,347)	1:B:67:LYS:H	1:A:45:ARG:HD2	19	15.97
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD2	19	15.97
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD3	19	15.97
(1,863)	1:A:95:GLN:HB2	1:A:71:ARG:H	16	15.96
(1,863)	1:A:95:GLN:HB2	1:B:71:ARG:H	16	15.96
(1,863)	1:A:95:GLN:HB3	1:A:71:ARG:H	16	15.96
(1,863)	1:A:95:GLN:HB3	1:B:71:ARG:H	16	15.96
(1,863)	1:B:95:GLN:HB2	1:A:71:ARG:H	16	15.96
(1,863)	1:B:95:GLN:HB2	1:B:71:ARG:H	16	15.96
(1,863)	1:B:95:GLN:HB3	1:A:71:ARG:H	16	15.96
(1,863)	1:B:95:GLN:HB3	1:B:71:ARG:H	16	15.96
(1,40)	1:A:69:SER:H	1:A:45:ARG:HD2	5	15.96
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD2	5	15.96
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD3	5	15.96
(1,40)	1:B:69:SER:H	1:A:45:ARG:HD2	5	15.96
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD2	5	15.96
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD3	5	15.96
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD21	7	15.95
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD22	7	15.95
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD23	7	15.95
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD21	7	15.95
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD22	7	15.95
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD23	7	15.95
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD21	7	15.95
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD22	7	15.95
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD23	7	15.95
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD21	7	15.95
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD22	7	15.95
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD23	7	15.95
(1,589)	1:A:68:ASP:HB2	1:A:43:GLU:HG2	18	15.95
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG2	18	15.95
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG3	18	15.95
(1,589)	1:A:68:ASP:HB3	1:A:43:GLU:HG2	18	15.95
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG2	18	15.95
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG3	18	15.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:B:68:ASP:HB2	1:A:43:GLU:HG2	18	15.95
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG2	18	15.95
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG3	18	15.95
(1,589)	1:B:68:ASP:HB3	1:A:43:GLU:HG2	18	15.95
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG2	18	15.95
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG3	18	15.95
(1,465)	1:A:61:ILE:HA	1:A:36:LYS:HE2	4	15.95
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE2	4	15.95
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE3	4	15.95
(1,465)	1:B:61:ILE:HA	1:A:36:LYS:HE2	4	15.95
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE2	4	15.95
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE3	4	15.95
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD21	10	15.94
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD22	10	15.94
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD23	10	15.94
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD21	10	15.94
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD22	10	15.94
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD23	10	15.94
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD21	10	15.94
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD22	10	15.94
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD23	10	15.94
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD21	10	15.94
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD22	10	15.94
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD23	10	15.94
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD21	10	15.94
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD22	10	15.94
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD23	10	15.94
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD21	10	15.94
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD22	10	15.94
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD23	10	15.94
(1,47)	1:A:43:GLU:HG2	1:A:70:SER:H	3	15.94
(1,47)	1:A:43:GLU:HG2	1:B:70:SER:H	3	15.94
(1,47)	1:B:43:GLU:HG2	1:A:70:SER:H	3	15.94
(1,47)	1:B:43:GLU:HG2	1:B:70:SER:H	3	15.94
(1,47)	1:B:43:GLU:HG3	1:A:70:SER:H	3	15.94
(1,47)	1:B:43:GLU:HG3	1:B:70:SER:H	3	15.94
(1,863)	1:A:95:GLN:HB2	1:A:71:ARG:H	12	15.93
(1,863)	1:A:95:GLN:HB2	1:B:71:ARG:H	12	15.93
(1,863)	1:A:95:GLN:HB3	1:A:71:ARG:H	12	15.93
(1,863)	1:A:95:GLN:HB3	1:B:71:ARG:H	12	15.93
(1,863)	1:B:95:GLN:HB2	1:A:71:ARG:H	12	15.93
(1,863)	1:B:95:GLN:HB2	1:B:71:ARG:H	12	15.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	1:B:95:GLN:HB3	1:A:71:ARG:H	12	15.93
(1,863)	1:B:95:GLN:HB3	1:B:71:ARG:H	12	15.93
(1,47)	1:A:43:GLU:HG2	1:A:70:SER:H	5	15.93
(1,47)	1:A:43:GLU:HG2	1:B:70:SER:H	5	15.93
(1,47)	1:B:43:GLU:HG2	1:A:70:SER:H	5	15.93
(1,47)	1:B:43:GLU:HG2	1:B:70:SER:H	5	15.93
(1,47)	1:B:43:GLU:HG3	1:A:70:SER:H	5	15.93
(1,47)	1:B:43:GLU:HG3	1:B:70:SER:H	5	15.93
(1,589)	1:A:68:ASP:HB2	1:A:43:GLU:HG2	14	15.92
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG2	14	15.92
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG3	14	15.92
(1,589)	1:A:68:ASP:HB3	1:A:43:GLU:HG2	14	15.92
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG2	14	15.92
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG3	14	15.92
(1,589)	1:B:68:ASP:HB2	1:A:43:GLU:HG2	14	15.92
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG2	14	15.92
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG3	14	15.92
(1,589)	1:B:68:ASP:HB3	1:A:43:GLU:HG2	14	15.92
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG2	14	15.92
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG3	14	15.92
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD21	1	15.92
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD22	1	15.92
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD23	1	15.92
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD21	1	15.92
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD22	1	15.92
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD23	1	15.92
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD21	1	15.92
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD22	1	15.92
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD23	1	15.92
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD21	1	15.92
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD22	1	15.92
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD23	1	15.92
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD21	1	15.92
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD22	1	15.92
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD23	1	15.92
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD21	1	15.92
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD22	1	15.92
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD23	1	15.92
(1,40)	1:A:69:SER:H	1:A:45:ARG:HD2	13	15.92
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD2	13	15.92
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD3	13	15.92
(1,40)	1:B:69:SER:H	1:A:45:ARG:HD2	13	15.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD2	13	15.92
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD3	13	15.92
(1,40)	1:A:69:SER:H	1:A:45:ARG:HD2	16	15.92
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD2	16	15.92
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD3	16	15.92
(1,40)	1:B:69:SER:H	1:A:45:ARG:HD2	16	15.92
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD2	16	15.92
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD3	16	15.92
(1,500)	1:A:70:SER:H	1:A:45:ARG:HD2	5	15.91
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD2	5	15.91
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD3	5	15.91
(1,500)	1:B:70:SER:H	1:A:45:ARG:HD2	5	15.91
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD2	5	15.91
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD3	5	15.91
(1,515)	1:A:36:LYS:HE2	1:A:62:LEU:H	12	15.89
(1,515)	1:A:36:LYS:HE2	1:B:62:LEU:H	12	15.89
(1,515)	1:B:36:LYS:HE2	1:A:62:LEU:H	12	15.89
(1,515)	1:B:36:LYS:HE2	1:B:62:LEU:H	12	15.89
(1,515)	1:B:36:LYS:HE3	1:A:62:LEU:H	12	15.89
(1,515)	1:B:36:LYS:HE3	1:B:62:LEU:H	12	15.89
(1,474)	1:A:67:LYS:HA	1:A:45:ARG:HD2	15	15.89
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD2	15	15.89
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD3	15	15.89
(1,474)	1:B:67:LYS:HA	1:A:45:ARG:HD2	15	15.89
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD2	15	15.89
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD3	15	15.89
(1,465)	1:A:61:ILE:HA	1:A:36:LYS:HE2	17	15.89
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE2	17	15.89
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE3	17	15.89
(1,465)	1:B:61:ILE:HA	1:A:36:LYS:HE2	17	15.89
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE2	17	15.89
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE3	17	15.89
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD21	6	15.88
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD22	6	15.88
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD23	6	15.88
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD21	6	15.88
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD22	6	15.88
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD23	6	15.88
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD21	6	15.88
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD22	6	15.88
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD23	6	15.88
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD21	6	15.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD22	6	15.88
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD23	6	15.88
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD21	18	15.88
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD22	18	15.88
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD23	18	15.88
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD21	18	15.88
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD22	18	15.88
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD23	18	15.88
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD21	18	15.88
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD22	18	15.88
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD23	18	15.88
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD21	18	15.88
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD22	18	15.88
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD23	18	15.88
(1,474)	1:A:67:LYS:HA	1:A:45:ARG:HD2	14	15.88
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD2	14	15.88
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD3	14	15.88
(1,474)	1:B:67:LYS:HA	1:A:45:ARG:HD2	14	15.88
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD2	14	15.88
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD3	14	15.88
(1,40)	1:A:69:SER:H	1:A:45:ARG:HD2	19	15.88
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD2	19	15.88
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD3	19	15.88
(1,40)	1:B:69:SER:H	1:A:45:ARG:HD2	19	15.88
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD2	19	15.88
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD3	19	15.88
(1,347)	1:A:67:LYS:H	1:A:45:ARG:HD2	12	15.88
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD2	12	15.88
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD3	12	15.88
(1,347)	1:B:67:LYS:H	1:A:45:ARG:HD2	12	15.88
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD2	12	15.88
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD3	12	15.88
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD21	2	15.87
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD22	2	15.87
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD23	2	15.87
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD21	2	15.87
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD22	2	15.87
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD23	2	15.87
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD21	2	15.87
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD22	2	15.87
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD23	2	15.87
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD21	2	15.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD22	2	15.87
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD23	2	15.87
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD21	2	15.87
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD22	2	15.87
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD23	2	15.87
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD21	2	15.87
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD22	2	15.87
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD23	2	15.87
(1,330)	1:A:93:ARG:HB3	1:A:71:ARG:H	14	15.87
(1,330)	1:A:93:ARG:HB3	1:B:71:ARG:H	14	15.87
(1,330)	1:B:93:ARG:HB3	1:A:71:ARG:H	14	15.87
(1,330)	1:B:93:ARG:HB3	1:B:71:ARG:H	14	15.87
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD21	6	15.86
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD22	6	15.86
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD23	6	15.86
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD21	6	15.86
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD22	6	15.86
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD23	6	15.86
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD21	6	15.86
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD22	6	15.86
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD23	6	15.86
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD21	6	15.86
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD22	6	15.86
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD23	6	15.86
(1,863)	1:A:95:GLN:HB2	1:A:71:ARG:H	15	15.85
(1,863)	1:A:95:GLN:HB2	1:B:71:ARG:H	15	15.85
(1,863)	1:A:95:GLN:HB3	1:A:71:ARG:H	15	15.85
(1,863)	1:A:95:GLN:HB3	1:B:71:ARG:H	15	15.85
(1,863)	1:B:95:GLN:HB2	1:A:71:ARG:H	15	15.85
(1,863)	1:B:95:GLN:HB2	1:B:71:ARG:H	15	15.85
(1,863)	1:B:95:GLN:HB3	1:A:71:ARG:H	15	15.85
(1,863)	1:B:95:GLN:HB3	1:B:71:ARG:H	15	15.85
(1,330)	1:A:93:ARG:HB3	1:A:71:ARG:H	4	15.83
(1,330)	1:A:93:ARG:HB3	1:B:71:ARG:H	4	15.83
(1,330)	1:B:93:ARG:HB3	1:A:71:ARG:H	4	15.83
(1,330)	1:B:93:ARG:HB3	1:B:71:ARG:H	4	15.83
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD21	16	15.82
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD22	16	15.82
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD23	16	15.82
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD21	16	15.82
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD22	16	15.82
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD23	16	15.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD21	16	15.82
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD22	16	15.82
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD23	16	15.82
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD21	16	15.82
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD22	16	15.82
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD23	16	15.82
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD21	16	15.82
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD22	16	15.82
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD23	16	15.82
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD21	16	15.82
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD22	16	15.82
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD23	16	15.82
(1,589)	1:A:68:ASP:HB2	1:A:43:GLU:HG2	3	15.82
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG2	3	15.82
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG3	3	15.82
(1,589)	1:A:68:ASP:HB3	1:A:43:GLU:HG2	3	15.82
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG2	3	15.82
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG3	3	15.82
(1,589)	1:B:68:ASP:HB2	1:A:43:GLU:HG2	3	15.82
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG2	3	15.82
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG3	3	15.82
(1,589)	1:B:68:ASP:HB3	1:A:43:GLU:HG2	3	15.82
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG2	3	15.82
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG3	3	15.82
(1,47)	1:A:43:GLU:HG2	1:A:70:SER:H	17	15.82
(1,47)	1:A:43:GLU:HG2	1:B:70:SER:H	17	15.82
(1,47)	1:B:43:GLU:HG2	1:A:70:SER:H	17	15.82
(1,47)	1:B:43:GLU:HG2	1:B:70:SER:H	17	15.82
(1,47)	1:B:43:GLU:HG3	1:A:70:SER:H	17	15.82
(1,47)	1:B:43:GLU:HG3	1:B:70:SER:H	17	15.82
(1,347)	1:A:67:LYS:H	1:A:45:ARG:HD2	3	15.8
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD2	3	15.8
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD3	3	15.8
(1,347)	1:B:67:LYS:H	1:A:45:ARG:HD2	3	15.8
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD2	3	15.8
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD3	3	15.8
(1,47)	1:A:43:GLU:HG2	1:A:70:SER:H	9	15.79
(1,47)	1:A:43:GLU:HG2	1:B:70:SER:H	9	15.79
(1,47)	1:B:43:GLU:HG2	1:A:70:SER:H	9	15.79
(1,47)	1:B:43:GLU:HG2	1:B:70:SER:H	9	15.79
(1,47)	1:B:43:GLU:HG3	1:A:70:SER:H	9	15.79
(1,47)	1:B:43:GLU:HG3	1:B:70:SER:H	9	15.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD21	11	15.78
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD22	11	15.78
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD23	11	15.78
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD21	11	15.78
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD22	11	15.78
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD23	11	15.78
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD21	11	15.78
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD22	11	15.78
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD23	11	15.78
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD21	11	15.78
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD22	11	15.78
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD23	11	15.78
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD21	11	15.78
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD22	11	15.78
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD23	11	15.78
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD21	11	15.78
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD22	11	15.78
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD23	11	15.78
(1,40)	1:A:69:SER:H	1:A:45:ARG:HD2	1	15.78
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD2	1	15.78
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD3	1	15.78
(1,40)	1:B:69:SER:H	1:A:45:ARG:HD2	1	15.78
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD2	1	15.78
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD3	1	15.78
(1,863)	1:A:95:GLN:HB2	1:A:71:ARG:H	18	15.77
(1,863)	1:A:95:GLN:HB2	1:B:71:ARG:H	18	15.77
(1,863)	1:A:95:GLN:HB3	1:A:71:ARG:H	18	15.77
(1,863)	1:A:95:GLN:HB3	1:B:71:ARG:H	18	15.77
(1,863)	1:B:95:GLN:HB2	1:A:71:ARG:H	18	15.77
(1,863)	1:B:95:GLN:HB2	1:B:71:ARG:H	18	15.77
(1,863)	1:B:95:GLN:HB3	1:A:71:ARG:H	18	15.77
(1,863)	1:B:95:GLN:HB3	1:B:71:ARG:H	18	15.77
(1,40)	1:A:69:SER:H	1:A:45:ARG:HD2	3	15.77
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD2	3	15.77
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD3	3	15.77
(1,40)	1:B:69:SER:H	1:A:45:ARG:HD2	3	15.77
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD2	3	15.77
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD3	3	15.77
(1,330)	1:A:93:ARG:HB3	1:A:71:ARG:H	3	15.77
(1,330)	1:A:93:ARG:HB3	1:B:71:ARG:H	3	15.77
(1,330)	1:B:93:ARG:HB3	1:A:71:ARG:H	3	15.77
(1,330)	1:B:93:ARG:HB3	1:B:71:ARG:H	3	15.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD21	1	15.76
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD22	1	15.76
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD23	1	15.76
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD21	1	15.76
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD22	1	15.76
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD23	1	15.76
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD21	1	15.76
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD22	1	15.76
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD23	1	15.76
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD21	1	15.76
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD22	1	15.76
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD23	1	15.76
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD21	1	15.76
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD22	1	15.76
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD23	1	15.76
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD21	1	15.76
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD22	1	15.76
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD23	1	15.76
(1,47)	1:A:43:GLU:HG2	1:A:70:SER:H	18	15.76
(1,47)	1:A:43:GLU:HG2	1:B:70:SER:H	18	15.76
(1,47)	1:B:43:GLU:HG2	1:A:70:SER:H	18	15.76
(1,47)	1:B:43:GLU:HG2	1:B:70:SER:H	18	15.76
(1,47)	1:B:43:GLU:HG3	1:A:70:SER:H	18	15.76
(1,47)	1:B:43:GLU:HG3	1:B:70:SER:H	18	15.76
(1,347)	1:A:67:LYS:H	1:A:45:ARG:HD2	5	15.76
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD2	5	15.76
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD3	5	15.76
(1,347)	1:B:67:LYS:H	1:A:45:ARG:HD2	5	15.76
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD2	5	15.76
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD3	5	15.76
(1,347)	1:A:67:LYS:H	1:A:45:ARG:HD2	16	15.76
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD2	16	15.76
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD3	16	15.76
(1,347)	1:B:67:LYS:H	1:A:45:ARG:HD2	16	15.76
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD2	16	15.76
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD3	16	15.76
(1,500)	1:A:70:SER:H	1:A:45:ARG:HD2	1	15.71
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD2	1	15.71
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD3	1	15.71
(1,500)	1:B:70:SER:H	1:A:45:ARG:HD2	1	15.71
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD2	1	15.71
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD3	1	15.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,468)	1:A:70:SER:HA	1:A:45:ARG:HD2	9	15.71
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD2	9	15.71
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD3	9	15.71
(1,468)	1:B:70:SER:HA	1:A:45:ARG:HD2	9	15.71
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD2	9	15.71
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD3	9	15.71
(1,453)	1:A:67:LYS:HG2	1:A:45:ARG:HD2	9	15.7
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD2	9	15.7
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD3	9	15.7
(1,453)	1:B:67:LYS:HG2	1:A:45:ARG:HD2	9	15.7
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD2	9	15.7
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD3	9	15.7
(1,863)	1:A:95:GLN:HB2	1:A:71:ARG:H	10	15.69
(1,863)	1:A:95:GLN:HB2	1:B:71:ARG:H	10	15.69
(1,863)	1:A:95:GLN:HB3	1:A:71:ARG:H	10	15.69
(1,863)	1:A:95:GLN:HB3	1:B:71:ARG:H	10	15.69
(1,863)	1:B:95:GLN:HB2	1:A:71:ARG:H	10	15.69
(1,863)	1:B:95:GLN:HB2	1:B:71:ARG:H	10	15.69
(1,863)	1:B:95:GLN:HB3	1:A:71:ARG:H	10	15.69
(1,863)	1:B:95:GLN:HB3	1:B:71:ARG:H	10	15.69
(1,330)	1:A:93:ARG:HB3	1:A:71:ARG:H	16	15.69
(1,330)	1:A:93:ARG:HB3	1:B:71:ARG:H	16	15.69
(1,330)	1:B:93:ARG:HB3	1:A:71:ARG:H	16	15.69
(1,330)	1:B:93:ARG:HB3	1:B:71:ARG:H	16	15.69
(1,500)	1:A:70:SER:H	1:A:45:ARG:HD2	13	15.68
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD2	13	15.68
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD3	13	15.68
(1,500)	1:B:70:SER:H	1:A:45:ARG:HD2	13	15.68
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD2	13	15.68
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD3	13	15.68
(1,47)	1:A:43:GLU:HG2	1:A:70:SER:H	19	15.68
(1,47)	1:A:43:GLU:HG2	1:B:70:SER:H	19	15.68
(1,47)	1:B:43:GLU:HG2	1:A:70:SER:H	19	15.68
(1,47)	1:B:43:GLU:HG2	1:B:70:SER:H	19	15.68
(1,47)	1:B:43:GLU:HG3	1:A:70:SER:H	19	15.68
(1,47)	1:B:43:GLU:HG3	1:B:70:SER:H	19	15.68
(1,330)	1:A:93:ARG:HB3	1:A:71:ARG:H	7	15.67
(1,330)	1:A:93:ARG:HB3	1:B:71:ARG:H	7	15.67
(1,330)	1:B:93:ARG:HB3	1:A:71:ARG:H	7	15.67
(1,330)	1:B:93:ARG:HB3	1:B:71:ARG:H	7	15.67
(1,330)	1:A:93:ARG:HB3	1:A:71:ARG:H	20	15.67
(1,330)	1:A:93:ARG:HB3	1:B:71:ARG:H	20	15.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,330)	1:B:93:ARG:HB3	1:A:71:ARG:H	20	15.67
(1,330)	1:B:93:ARG:HB3	1:B:71:ARG:H	20	15.67
(1,604)	1:A:61:ILE:HD11	1:A:36:LYS:HE2	20	15.66
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE2	20	15.66
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE3	20	15.66
(1,604)	1:A:61:ILE:HD12	1:A:36:LYS:HE2	20	15.66
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE2	20	15.66
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE3	20	15.66
(1,604)	1:A:61:ILE:HD13	1:A:36:LYS:HE2	20	15.66
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE2	20	15.66
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE3	20	15.66
(1,604)	1:B:61:ILE:HD11	1:A:36:LYS:HE2	20	15.66
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE2	20	15.66
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE3	20	15.66
(1,604)	1:B:61:ILE:HD12	1:A:36:LYS:HE2	20	15.66
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE2	20	15.66
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE3	20	15.66
(1,604)	1:B:61:ILE:HD13	1:A:36:LYS:HE2	20	15.66
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE2	20	15.66
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE3	20	15.66
(1,589)	1:A:68:ASP:HB2	1:A:43:GLU:HG2	5	15.66
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG2	5	15.66
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG3	5	15.66
(1,589)	1:A:68:ASP:HB3	1:A:43:GLU:HG2	5	15.66
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG2	5	15.66
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG3	5	15.66
(1,589)	1:B:68:ASP:HB2	1:A:43:GLU:HG2	5	15.66
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG2	5	15.66
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG3	5	15.66
(1,589)	1:B:68:ASP:HB3	1:A:43:GLU:HG2	5	15.66
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG2	5	15.66
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG3	5	15.66
(1,589)	1:A:68:ASP:HB2	1:A:43:GLU:HG2	17	15.66
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG2	17	15.66
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG3	17	15.66
(1,589)	1:A:68:ASP:HB3	1:A:43:GLU:HG2	17	15.66
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG2	17	15.66
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG3	17	15.66
(1,589)	1:B:68:ASP:HB2	1:A:43:GLU:HG2	17	15.66
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG2	17	15.66
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG3	17	15.66
(1,589)	1:B:68:ASP:HB3	1:A:43:GLU:HG2	17	15.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG2	17	15.66
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG3	17	15.66
(1,500)	1:A:70:SER:H	1:A:45:ARG:HD2	16	15.65
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD2	16	15.65
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD3	16	15.65
(1,500)	1:B:70:SER:H	1:A:45:ARG:HD2	16	15.65
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD2	16	15.65
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD3	16	15.65
(1,579)	1:A:61:ILE:HB	1:A:36:LYS:HE2	11	15.64
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE2	11	15.64
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE3	11	15.64
(1,579)	1:B:61:ILE:HB	1:A:36:LYS:HE2	11	15.64
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE2	11	15.64
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE3	11	15.64
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD21	6	15.64
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD22	6	15.64
(1,572)	1:A:39:LYS:HE2	1:A:65:LEU:HD23	6	15.64
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD21	6	15.64
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD22	6	15.64
(1,572)	1:A:39:LYS:HE2	1:B:65:LEU:HD23	6	15.64
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD21	6	15.64
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD22	6	15.64
(1,572)	1:B:39:LYS:HE2	1:A:65:LEU:HD23	6	15.64
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD21	6	15.64
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD22	6	15.64
(1,572)	1:B:39:LYS:HE2	1:B:65:LEU:HD23	6	15.64
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD21	6	15.64
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD22	6	15.64
(1,572)	1:B:39:LYS:HE3	1:A:65:LEU:HD23	6	15.64
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD21	6	15.64
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD22	6	15.64
(1,572)	1:B:39:LYS:HE3	1:B:65:LEU:HD23	6	15.64
(1,40)	1:A:69:SER:H	1:A:45:ARG:HD2	8	15.64
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD2	8	15.64
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD3	8	15.64
(1,40)	1:B:69:SER:H	1:A:45:ARG:HD2	8	15.64
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD2	8	15.64
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD3	8	15.64
(1,589)	1:A:68:ASP:HB2	1:A:43:GLU:HG2	11	15.63
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG2	11	15.63
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG3	11	15.63
(1,589)	1:A:68:ASP:HB3	1:A:43:GLU:HG2	11	15.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG2	11	15.63
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG3	11	15.63
(1,589)	1:B:68:ASP:HB2	1:A:43:GLU:HG2	11	15.63
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG2	11	15.63
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG3	11	15.63
(1,589)	1:B:68:ASP:HB3	1:A:43:GLU:HG2	11	15.63
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG2	11	15.63
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG3	11	15.63
(1,500)	1:A:70:SER:H	1:A:45:ARG:HD2	19	15.63
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD2	19	15.63
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD3	19	15.63
(1,500)	1:B:70:SER:H	1:A:45:ARG:HD2	19	15.63
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD2	19	15.63
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD3	19	15.63
(1,453)	1:A:67:LYS:HG2	1:A:45:ARG:HD2	2	15.63
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD2	2	15.63
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD3	2	15.63
(1,453)	1:B:67:LYS:HG2	1:A:45:ARG:HD2	2	15.63
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD2	2	15.63
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD3	2	15.63
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD21	10	15.61
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD22	10	15.61
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD23	10	15.61
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD21	10	15.61
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD22	10	15.61
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD23	10	15.61
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD21	10	15.61
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD22	10	15.61
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD23	10	15.61
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD21	10	15.61
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD22	10	15.61
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD23	10	15.61
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD21	16	15.61
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD22	16	15.61
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD23	16	15.61
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD21	16	15.61
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD22	16	15.61
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD23	16	15.61
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD21	16	15.61
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD22	16	15.61
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD23	16	15.61
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD21	16	15.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD22	16	15.61
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD23	16	15.61
(1,347)	1:A:67:LYS:H	1:A:45:ARG:HD2	1	15.6
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD2	1	15.6
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD3	1	15.6
(1,347)	1:B:67:LYS:H	1:A:45:ARG:HD2	1	15.6
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD2	1	15.6
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD3	1	15.6
(1,330)	1:A:93:ARG:HB3	1:A:71:ARG:H	11	15.6
(1,330)	1:A:93:ARG:HB3	1:B:71:ARG:H	11	15.6
(1,330)	1:B:93:ARG:HB3	1:A:71:ARG:H	11	15.6
(1,330)	1:B:93:ARG:HB3	1:B:71:ARG:H	11	15.6
(1,589)	1:A:68:ASP:HB2	1:A:43:GLU:HG2	9	15.59
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG2	9	15.59
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG3	9	15.59
(1,589)	1:A:68:ASP:HB3	1:A:43:GLU:HG2	9	15.59
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG2	9	15.59
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG3	9	15.59
(1,589)	1:B:68:ASP:HB2	1:A:43:GLU:HG2	9	15.59
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG2	9	15.59
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG3	9	15.59
(1,589)	1:B:68:ASP:HB3	1:A:43:GLU:HG2	9	15.59
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG2	9	15.59
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG3	9	15.59
(1,47)	1:A:43:GLU:HG2	1:A:70:SER:H	14	15.57
(1,47)	1:A:43:GLU:HG2	1:B:70:SER:H	14	15.57
(1,47)	1:B:43:GLU:HG2	1:A:70:SER:H	14	15.57
(1,47)	1:B:43:GLU:HG2	1:B:70:SER:H	14	15.57
(1,47)	1:B:43:GLU:HG3	1:A:70:SER:H	14	15.57
(1,47)	1:B:43:GLU:HG3	1:B:70:SER:H	14	15.57
(1,330)	1:A:93:ARG:HB3	1:A:71:ARG:H	17	15.57
(1,330)	1:A:93:ARG:HB3	1:B:71:ARG:H	17	15.57
(1,330)	1:B:93:ARG:HB3	1:A:71:ARG:H	17	15.57
(1,330)	1:B:93:ARG:HB3	1:B:71:ARG:H	17	15.57
(1,613)	1:A:61:ILE:HG12	1:A:36:LYS:HE2	8	15.56
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE2	8	15.56
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE3	8	15.56
(1,613)	1:A:61:ILE:HG13	1:A:36:LYS:HE2	8	15.56
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE2	8	15.56
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE3	8	15.56
(1,613)	1:A:61:ILE:HG21	1:A:36:LYS:HE2	8	15.56
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE2	8	15.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE3	8	15.56
(1,613)	1:A:61:ILE:HG22	1:A:36:LYS:HE2	8	15.56
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE2	8	15.56
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE3	8	15.56
(1,613)	1:A:61:ILE:HG23	1:A:36:LYS:HE2	8	15.56
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE2	8	15.56
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	8	15.56
(1,613)	1:B:61:ILE:HG12	1:A:36:LYS:HE2	8	15.56
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE2	8	15.56
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE3	8	15.56
(1,613)	1:B:61:ILE:HG13	1:A:36:LYS:HE2	8	15.56
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE2	8	15.56
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE3	8	15.56
(1,613)	1:B:61:ILE:HG21	1:A:36:LYS:HE2	8	15.56
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE2	8	15.56
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE3	8	15.56
(1,613)	1:B:61:ILE:HG22	1:A:36:LYS:HE2	8	15.56
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE2	8	15.56
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE3	8	15.56
(1,613)	1:B:61:ILE:HG23	1:A:36:LYS:HE2	8	15.56
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE2	8	15.56
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE3	8	15.56
(1,40)	1:A:69:SER:H	1:A:45:ARG:HD2	11	15.55
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD2	11	15.55
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD3	11	15.55
(1,40)	1:B:69:SER:H	1:A:45:ARG:HD2	11	15.55
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD2	11	15.55
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD3	11	15.55
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD21	6	15.54
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD22	6	15.54
(1,724)	1:A:39:LYS:HD2	1:A:65:LEU:HD23	6	15.54
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD21	6	15.54
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD22	6	15.54
(1,724)	1:A:39:LYS:HD2	1:B:65:LEU:HD23	6	15.54
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD21	6	15.54
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD22	6	15.54
(1,724)	1:B:39:LYS:HD2	1:A:65:LEU:HD23	6	15.54
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD21	6	15.54
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD22	6	15.54
(1,724)	1:B:39:LYS:HD2	1:B:65:LEU:HD23	6	15.54
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD21	6	15.54
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD22	6	15.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,724)	1:B:39:LYS:HD3	1:A:65:LEU:HD23	6	15.54
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD21	6	15.54
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD22	6	15.54
(1,724)	1:B:39:LYS:HD3	1:B:65:LEU:HD23	6	15.54
(1,330)	1:A:93:ARG:HB3	1:A:71:ARG:H	10	15.54
(1,330)	1:A:93:ARG:HB3	1:B:71:ARG:H	10	15.54
(1,330)	1:B:93:ARG:HB3	1:A:71:ARG:H	10	15.54
(1,330)	1:B:93:ARG:HB3	1:B:71:ARG:H	10	15.54
(1,863)	1:A:95:GLN:HB2	1:A:71:ARG:H	1	15.53
(1,863)	1:A:95:GLN:HB2	1:B:71:ARG:H	1	15.53
(1,863)	1:A:95:GLN:HB3	1:A:71:ARG:H	1	15.53
(1,863)	1:A:95:GLN:HB3	1:B:71:ARG:H	1	15.53
(1,863)	1:B:95:GLN:HB2	1:A:71:ARG:H	1	15.53
(1,863)	1:B:95:GLN:HB2	1:B:71:ARG:H	1	15.53
(1,863)	1:B:95:GLN:HB3	1:A:71:ARG:H	1	15.53
(1,863)	1:B:95:GLN:HB3	1:B:71:ARG:H	1	15.53
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD21	2	15.51
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD22	2	15.51
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD23	2	15.51
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD21	2	15.51
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD22	2	15.51
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD23	2	15.51
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD21	2	15.51
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD22	2	15.51
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD23	2	15.51
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD21	2	15.51
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD22	2	15.51
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD23	2	15.51
(1,330)	1:A:93:ARG:HB3	1:A:71:ARG:H	18	15.51
(1,330)	1:A:93:ARG:HB3	1:B:71:ARG:H	18	15.51
(1,330)	1:B:93:ARG:HB3	1:A:71:ARG:H	18	15.51
(1,330)	1:B:93:ARG:HB3	1:B:71:ARG:H	18	15.51
(1,500)	1:A:70:SER:H	1:A:45:ARG:HD2	3	15.5
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD2	3	15.5
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD3	3	15.5
(1,500)	1:B:70:SER:H	1:A:45:ARG:HD2	3	15.5
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD2	3	15.5
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD3	3	15.5
(1,347)	1:A:67:LYS:H	1:A:45:ARG:HD2	14	15.5
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD2	14	15.5
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD3	14	15.5
(1,347)	1:B:67:LYS:H	1:A:45:ARG:HD2	14	15.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD2	14	15.5
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD3	14	15.5
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD21	1	15.49
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD22	1	15.49
(1,722)	1:A:39:LYS:HG2	1:A:65:LEU:HD23	1	15.49
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD21	1	15.49
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD22	1	15.49
(1,722)	1:A:39:LYS:HG2	1:B:65:LEU:HD23	1	15.49
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD21	1	15.49
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD22	1	15.49
(1,722)	1:B:39:LYS:HG2	1:A:65:LEU:HD23	1	15.49
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD21	1	15.49
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD22	1	15.49
(1,722)	1:B:39:LYS:HG2	1:B:65:LEU:HD23	1	15.49
(1,474)	1:A:67:LYS:HA	1:A:45:ARG:HD2	7	15.49
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD2	7	15.49
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD3	7	15.49
(1,474)	1:B:67:LYS:HA	1:A:45:ARG:HD2	7	15.49
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD2	7	15.49
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD3	7	15.49
(1,863)	1:A:95:GLN:HB2	1:A:71:ARG:H	20	15.47
(1,863)	1:A:95:GLN:HB2	1:B:71:ARG:H	20	15.47
(1,863)	1:A:95:GLN:HB3	1:A:71:ARG:H	20	15.47
(1,863)	1:A:95:GLN:HB3	1:B:71:ARG:H	20	15.47
(1,863)	1:B:95:GLN:HB2	1:A:71:ARG:H	20	15.47
(1,863)	1:B:95:GLN:HB2	1:B:71:ARG:H	20	15.47
(1,863)	1:B:95:GLN:HB3	1:A:71:ARG:H	20	15.47
(1,863)	1:B:95:GLN:HB3	1:B:71:ARG:H	20	15.47
(1,347)	1:A:67:LYS:H	1:A:45:ARG:HD2	11	15.47
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD2	11	15.47
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD3	11	15.47
(1,347)	1:B:67:LYS:H	1:A:45:ARG:HD2	11	15.47
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD2	11	15.47
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD3	11	15.47
(1,347)	1:A:67:LYS:H	1:A:45:ARG:HD2	18	15.47
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD2	18	15.47
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD3	18	15.47
(1,347)	1:B:67:LYS:H	1:A:45:ARG:HD2	18	15.47
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD2	18	15.47
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD3	18	15.47
(1,330)	1:A:93:ARG:HB3	1:A:71:ARG:H	8	15.47
(1,330)	1:A:93:ARG:HB3	1:B:71:ARG:H	8	15.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,330)	1:B:93:ARG:HB3	1:A:71:ARG:H	8	15.47
(1,330)	1:B:93:ARG:HB3	1:B:71:ARG:H	8	15.47
(1,330)	1:A:93:ARG:HB3	1:A:71:ARG:H	13	15.45
(1,330)	1:A:93:ARG:HB3	1:B:71:ARG:H	13	15.45
(1,330)	1:B:93:ARG:HB3	1:A:71:ARG:H	13	15.45
(1,330)	1:B:93:ARG:HB3	1:B:71:ARG:H	13	15.45
(1,474)	1:A:67:LYS:HA	1:A:45:ARG:HD2	20	15.43
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD2	20	15.43
(1,474)	1:A:67:LYS:HA	1:B:45:ARG:HD3	20	15.43
(1,474)	1:B:67:LYS:HA	1:A:45:ARG:HD2	20	15.43
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD2	20	15.43
(1,474)	1:B:67:LYS:HA	1:B:45:ARG:HD3	20	15.43
(1,863)	1:A:95:GLN:HB2	1:A:71:ARG:H	6	15.41
(1,863)	1:A:95:GLN:HB2	1:B:71:ARG:H	6	15.41
(1,863)	1:A:95:GLN:HB3	1:A:71:ARG:H	6	15.41
(1,863)	1:A:95:GLN:HB3	1:B:71:ARG:H	6	15.41
(1,863)	1:B:95:GLN:HB2	1:A:71:ARG:H	6	15.41
(1,863)	1:B:95:GLN:HB2	1:B:71:ARG:H	6	15.41
(1,863)	1:B:95:GLN:HB3	1:A:71:ARG:H	6	15.41
(1,863)	1:B:95:GLN:HB3	1:B:71:ARG:H	6	15.41
(1,589)	1:A:68:ASP:HB2	1:A:43:GLU:HG2	12	15.4
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG2	12	15.4
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG3	12	15.4
(1,589)	1:A:68:ASP:HB3	1:A:43:GLU:HG2	12	15.4
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG2	12	15.4
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG3	12	15.4
(1,589)	1:B:68:ASP:HB2	1:A:43:GLU:HG2	12	15.4
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG2	12	15.4
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG3	12	15.4
(1,589)	1:B:68:ASP:HB3	1:A:43:GLU:HG2	12	15.4
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG2	12	15.4
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG3	12	15.4
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD11	6	15.4
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD12	6	15.4
(1,571)	1:A:39:LYS:HE2	1:A:65:LEU:HD13	6	15.4
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD11	6	15.4
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD12	6	15.4
(1,571)	1:A:39:LYS:HE2	1:B:65:LEU:HD13	6	15.4
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD11	6	15.4
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD12	6	15.4
(1,571)	1:B:39:LYS:HE2	1:A:65:LEU:HD13	6	15.4
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD11	6	15.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD12	6	15.4
(1,571)	1:B:39:LYS:HE2	1:B:65:LEU:HD13	6	15.4
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD11	6	15.4
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD12	6	15.4
(1,571)	1:B:39:LYS:HE3	1:A:65:LEU:HD13	6	15.4
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD11	6	15.4
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD12	6	15.4
(1,571)	1:B:39:LYS:HE3	1:B:65:LEU:HD13	6	15.4
(1,40)	1:A:69:SER:H	1:A:45:ARG:HD2	6	15.4
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD2	6	15.4
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD3	6	15.4
(1,40)	1:B:69:SER:H	1:A:45:ARG:HD2	6	15.4
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD2	6	15.4
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD3	6	15.4
(1,515)	1:A:36:LYS:HE2	1:A:62:LEU:H	15	15.39
(1,515)	1:A:36:LYS:HE2	1:B:62:LEU:H	15	15.39
(1,515)	1:B:36:LYS:HE2	1:A:62:LEU:H	15	15.39
(1,515)	1:B:36:LYS:HE2	1:B:62:LEU:H	15	15.39
(1,515)	1:B:36:LYS:HE3	1:A:62:LEU:H	15	15.39
(1,515)	1:B:36:LYS:HE3	1:B:62:LEU:H	15	15.39
(1,47)	1:A:43:GLU:HG2	1:A:70:SER:H	12	15.39
(1,47)	1:A:43:GLU:HG2	1:B:70:SER:H	12	15.39
(1,47)	1:B:43:GLU:HG2	1:A:70:SER:H	12	15.39
(1,47)	1:B:43:GLU:HG2	1:B:70:SER:H	12	15.39
(1,47)	1:B:43:GLU:HG3	1:A:70:SER:H	12	15.39
(1,47)	1:B:43:GLU:HG3	1:B:70:SER:H	12	15.39
(1,347)	1:A:67:LYS:H	1:A:45:ARG:HD2	6	15.39
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD2	6	15.39
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD3	6	15.39
(1,347)	1:B:67:LYS:H	1:A:45:ARG:HD2	6	15.39
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD2	6	15.39
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD3	6	15.39
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD21	14	15.38
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD22	14	15.38
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD23	14	15.38
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD21	14	15.38
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD22	14	15.38
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD23	14	15.38
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD21	14	15.38
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD22	14	15.38
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD23	14	15.38
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD21	14	15.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD22	14	15.38
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD23	14	15.38
(1,863)	1:A:95:GLN:HB2	1:A:71:ARG:H	2	15.36
(1,863)	1:A:95:GLN:HB2	1:B:71:ARG:H	2	15.36
(1,863)	1:A:95:GLN:HB3	1:A:71:ARG:H	2	15.36
(1,863)	1:A:95:GLN:HB3	1:B:71:ARG:H	2	15.36
(1,863)	1:B:95:GLN:HB2	1:A:71:ARG:H	2	15.36
(1,863)	1:B:95:GLN:HB2	1:B:71:ARG:H	2	15.36
(1,863)	1:B:95:GLN:HB3	1:A:71:ARG:H	2	15.36
(1,863)	1:B:95:GLN:HB3	1:B:71:ARG:H	2	15.36
(1,863)	1:A:95:GLN:HB2	1:A:71:ARG:H	14	15.36
(1,863)	1:A:95:GLN:HB2	1:B:71:ARG:H	14	15.36
(1,863)	1:A:95:GLN:HB3	1:A:71:ARG:H	14	15.36
(1,863)	1:A:95:GLN:HB3	1:B:71:ARG:H	14	15.36
(1,863)	1:B:95:GLN:HB2	1:A:71:ARG:H	14	15.36
(1,863)	1:B:95:GLN:HB2	1:B:71:ARG:H	14	15.36
(1,863)	1:B:95:GLN:HB3	1:A:71:ARG:H	14	15.36
(1,863)	1:B:95:GLN:HB3	1:B:71:ARG:H	14	15.36
(1,47)	1:A:43:GLU:HG2	1:A:70:SER:H	15	15.36
(1,47)	1:A:43:GLU:HG2	1:B:70:SER:H	15	15.36
(1,47)	1:B:43:GLU:HG2	1:A:70:SER:H	15	15.36
(1,47)	1:B:43:GLU:HG2	1:B:70:SER:H	15	15.36
(1,47)	1:B:43:GLU:HG3	1:A:70:SER:H	15	15.36
(1,47)	1:B:43:GLU:HG3	1:B:70:SER:H	15	15.36
(1,863)	1:A:95:GLN:HB2	1:A:71:ARG:H	17	15.35
(1,863)	1:A:95:GLN:HB2	1:B:71:ARG:H	17	15.35
(1,863)	1:A:95:GLN:HB3	1:A:71:ARG:H	17	15.35
(1,863)	1:A:95:GLN:HB3	1:B:71:ARG:H	17	15.35
(1,863)	1:B:95:GLN:HB2	1:A:71:ARG:H	17	15.35
(1,863)	1:B:95:GLN:HB2	1:B:71:ARG:H	17	15.35
(1,863)	1:B:95:GLN:HB3	1:A:71:ARG:H	17	15.35
(1,863)	1:B:95:GLN:HB3	1:B:71:ARG:H	17	15.35
(1,589)	1:A:68:ASP:HB2	1:A:43:GLU:HG2	15	15.35
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG2	15	15.35
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG3	15	15.35
(1,589)	1:A:68:ASP:HB3	1:A:43:GLU:HG2	15	15.35
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG2	15	15.35
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG3	15	15.35
(1,589)	1:B:68:ASP:HB2	1:A:43:GLU:HG2	15	15.35
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG2	15	15.35
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG3	15	15.35
(1,589)	1:B:68:ASP:HB3	1:A:43:GLU:HG2	15	15.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG2	15	15.35
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG3	15	15.35
(1,604)	1:A:61:ILE:HD11	1:A:36:LYS:HE2	15	15.34
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE2	15	15.34
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE3	15	15.34
(1,604)	1:A:61:ILE:HD12	1:A:36:LYS:HE2	15	15.34
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE2	15	15.34
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE3	15	15.34
(1,604)	1:A:61:ILE:HD13	1:A:36:LYS:HE2	15	15.34
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE2	15	15.34
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE3	15	15.34
(1,604)	1:B:61:ILE:HD11	1:A:36:LYS:HE2	15	15.34
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE2	15	15.34
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE3	15	15.34
(1,604)	1:B:61:ILE:HD12	1:A:36:LYS:HE2	15	15.34
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE2	15	15.34
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE3	15	15.34
(1,604)	1:B:61:ILE:HD13	1:A:36:LYS:HE2	15	15.34
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE2	15	15.34
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE3	15	15.34
(1,47)	1:A:43:GLU:HG2	1:A:70:SER:H	11	15.32
(1,47)	1:A:43:GLU:HG2	1:B:70:SER:H	11	15.32
(1,47)	1:B:43:GLU:HG2	1:A:70:SER:H	11	15.32
(1,47)	1:B:43:GLU:HG2	1:B:70:SER:H	11	15.32
(1,47)	1:B:43:GLU:HG3	1:A:70:SER:H	11	15.32
(1,47)	1:B:43:GLU:HG3	1:B:70:SER:H	11	15.32
(1,863)	1:A:95:GLN:HB2	1:A:71:ARG:H	7	15.31
(1,863)	1:A:95:GLN:HB2	1:B:71:ARG:H	7	15.31
(1,863)	1:A:95:GLN:HB3	1:A:71:ARG:H	7	15.31
(1,863)	1:A:95:GLN:HB3	1:B:71:ARG:H	7	15.31
(1,863)	1:B:95:GLN:HB2	1:A:71:ARG:H	7	15.31
(1,863)	1:B:95:GLN:HB2	1:B:71:ARG:H	7	15.31
(1,863)	1:B:95:GLN:HB3	1:A:71:ARG:H	7	15.31
(1,863)	1:B:95:GLN:HB3	1:B:71:ARG:H	7	15.31
(1,468)	1:A:70:SER:HA	1:A:45:ARG:HD2	12	15.31
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD2	12	15.31
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD3	12	15.31
(1,468)	1:B:70:SER:HA	1:A:45:ARG:HD2	12	15.31
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD2	12	15.31
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD3	12	15.31
(1,453)	1:A:67:LYS:HG2	1:A:45:ARG:HD2	8	15.31
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD2	8	15.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD3	8	15.31
(1,453)	1:B:67:LYS:HG2	1:A:45:ARG:HD2	8	15.31
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD2	8	15.31
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD3	8	15.31
(1,604)	1:A:61:ILE:HD11	1:A:36:LYS:HE2	3	15.3
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE2	3	15.3
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE3	3	15.3
(1,604)	1:A:61:ILE:HD12	1:A:36:LYS:HE2	3	15.3
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE2	3	15.3
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE3	3	15.3
(1,604)	1:A:61:ILE:HD13	1:A:36:LYS:HE2	3	15.3
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE2	3	15.3
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE3	3	15.3
(1,604)	1:B:61:ILE:HD11	1:A:36:LYS:HE2	3	15.3
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE2	3	15.3
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE3	3	15.3
(1,604)	1:B:61:ILE:HD12	1:A:36:LYS:HE2	3	15.3
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE2	3	15.3
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE3	3	15.3
(1,604)	1:B:61:ILE:HD13	1:A:36:LYS:HE2	3	15.3
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE2	3	15.3
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE3	3	15.3
(1,47)	1:A:43:GLU:HG2	1:A:70:SER:H	13	15.3
(1,47)	1:A:43:GLU:HG2	1:B:70:SER:H	13	15.3
(1,47)	1:B:43:GLU:HG2	1:A:70:SER:H	13	15.3
(1,47)	1:B:43:GLU:HG2	1:B:70:SER:H	13	15.3
(1,47)	1:B:43:GLU:HG3	1:A:70:SER:H	13	15.3
(1,47)	1:B:43:GLU:HG3	1:B:70:SER:H	13	15.3
(1,40)	1:A:69:SER:H	1:A:45:ARG:HD2	14	15.3
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD2	14	15.3
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD3	14	15.3
(1,40)	1:B:69:SER:H	1:A:45:ARG:HD2	14	15.3
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD2	14	15.3
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD3	14	15.3
(1,604)	1:A:61:ILE:HD11	1:A:36:LYS:HE2	12	15.28
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE2	12	15.28
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE3	12	15.28
(1,604)	1:A:61:ILE:HD12	1:A:36:LYS:HE2	12	15.28
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE2	12	15.28
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE3	12	15.28
(1,604)	1:A:61:ILE:HD13	1:A:36:LYS:HE2	12	15.28
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE2	12	15.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE3	12	15.28
(1,604)	1:B:61:ILE:HD11	1:A:36:LYS:HE2	12	15.28
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE2	12	15.28
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE3	12	15.28
(1,604)	1:B:61:ILE:HD12	1:A:36:LYS:HE2	12	15.28
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE2	12	15.28
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE3	12	15.28
(1,604)	1:B:61:ILE:HD13	1:A:36:LYS:HE2	12	15.28
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE2	12	15.28
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE3	12	15.28
(1,589)	1:A:68:ASP:HB2	1:A:43:GLU:HG2	7	15.28
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG2	7	15.28
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG3	7	15.28
(1,589)	1:A:68:ASP:HB3	1:A:43:GLU:HG2	7	15.28
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG2	7	15.28
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG3	7	15.28
(1,589)	1:B:68:ASP:HB2	1:A:43:GLU:HG2	7	15.28
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG2	7	15.28
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG3	7	15.28
(1,589)	1:B:68:ASP:HB3	1:A:43:GLU:HG2	7	15.28
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG2	7	15.28
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG3	7	15.28
(1,453)	1:A:67:LYS:HG2	1:A:45:ARG:HD2	4	15.28
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD2	4	15.28
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD3	4	15.28
(1,453)	1:B:67:LYS:HG2	1:A:45:ARG:HD2	4	15.28
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD2	4	15.28
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD3	4	15.28
(1,500)	1:A:70:SER:H	1:A:45:ARG:HD2	8	15.26
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD2	8	15.26
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD3	8	15.26
(1,500)	1:B:70:SER:H	1:A:45:ARG:HD2	8	15.26
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD2	8	15.26
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD3	8	15.26
(1,589)	1:A:68:ASP:HB2	1:A:43:GLU:HG2	13	15.25
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG2	13	15.25
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG3	13	15.25
(1,589)	1:A:68:ASP:HB3	1:A:43:GLU:HG2	13	15.25
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG2	13	15.25
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG3	13	15.25
(1,589)	1:B:68:ASP:HB2	1:A:43:GLU:HG2	13	15.25
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG2	13	15.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG3	13	15.25
(1,589)	1:B:68:ASP:HB3	1:A:43:GLU:HG2	13	15.25
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG2	13	15.25
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG3	13	15.25
(1,500)	1:A:70:SER:H	1:A:45:ARG:HD2	11	15.24
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD2	11	15.24
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD3	11	15.24
(1,500)	1:B:70:SER:H	1:A:45:ARG:HD2	11	15.24
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD2	11	15.24
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD3	11	15.24
(1,40)	1:A:69:SER:H	1:A:45:ARG:HD2	18	15.23
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD2	18	15.23
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD3	18	15.23
(1,40)	1:B:69:SER:H	1:A:45:ARG:HD2	18	15.23
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD2	18	15.23
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD3	18	15.23
(1,453)	1:A:67:LYS:HG2	1:A:45:ARG:HD2	19	15.22
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD2	19	15.22
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD3	19	15.22
(1,453)	1:B:67:LYS:HG2	1:A:45:ARG:HD2	19	15.22
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD2	19	15.22
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD3	19	15.22
(1,579)	1:A:61:ILE:HB	1:A:36:LYS:HE2	16	15.2
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE2	16	15.2
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE3	16	15.2
(1,579)	1:B:61:ILE:HB	1:A:36:LYS:HE2	16	15.2
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE2	16	15.2
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE3	16	15.2
(1,347)	1:A:67:LYS:H	1:A:45:ARG:HD2	10	15.2
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD2	10	15.2
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD3	10	15.2
(1,347)	1:B:67:LYS:H	1:A:45:ARG:HD2	10	15.2
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD2	10	15.2
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD3	10	15.2
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD21	7	15.19
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD22	7	15.19
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD23	7	15.19
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD21	7	15.19
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD22	7	15.19
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD23	7	15.19
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD21	7	15.19
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD22	7	15.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD23	7	15.19
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD21	7	15.19
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD22	7	15.19
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD23	7	15.19
(1,47)	1:A:43:GLU:HG2	1:A:70:SER:H	1	15.19
(1,47)	1:A:43:GLU:HG2	1:B:70:SER:H	1	15.19
(1,47)	1:B:43:GLU:HG2	1:A:70:SER:H	1	15.19
(1,47)	1:B:43:GLU:HG2	1:B:70:SER:H	1	15.19
(1,47)	1:B:43:GLU:HG3	1:A:70:SER:H	1	15.19
(1,47)	1:B:43:GLU:HG3	1:B:70:SER:H	1	15.19
(1,40)	1:A:69:SER:H	1:A:45:ARG:HD2	15	15.19
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD2	15	15.19
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD3	15	15.19
(1,40)	1:B:69:SER:H	1:A:45:ARG:HD2	15	15.19
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD2	15	15.19
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD3	15	15.19
(1,330)	1:A:93:ARG:HB3	1:A:71:ARG:H	19	15.19
(1,330)	1:A:93:ARG:HB3	1:B:71:ARG:H	19	15.19
(1,330)	1:B:93:ARG:HB3	1:A:71:ARG:H	19	15.19
(1,330)	1:B:93:ARG:HB3	1:B:71:ARG:H	19	15.19
(1,589)	1:A:68:ASP:HB2	1:A:43:GLU:HG2	1	15.18
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG2	1	15.18
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG3	1	15.18
(1,589)	1:A:68:ASP:HB3	1:A:43:GLU:HG2	1	15.18
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG2	1	15.18
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG3	1	15.18
(1,589)	1:B:68:ASP:HB2	1:A:43:GLU:HG2	1	15.18
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG2	1	15.18
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG3	1	15.18
(1,589)	1:B:68:ASP:HB3	1:A:43:GLU:HG2	1	15.18
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG2	1	15.18
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG3	1	15.18
(1,468)	1:A:70:SER:HA	1:A:45:ARG:HD2	4	15.17
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD2	4	15.17
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD3	4	15.17
(1,468)	1:B:70:SER:HA	1:A:45:ARG:HD2	4	15.17
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD2	4	15.17
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD3	4	15.17
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD21	11	15.16
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD22	11	15.16
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD23	11	15.16
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD21	11	15.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD22	11	15.16
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD23	11	15.16
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD21	11	15.16
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD22	11	15.16
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD23	11	15.16
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD21	11	15.16
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD22	11	15.16
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD23	11	15.16
(1,500)	1:A:70:SER:H	1:A:45:ARG:HD2	6	15.14
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD2	6	15.14
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD3	6	15.14
(1,500)	1:B:70:SER:H	1:A:45:ARG:HD2	6	15.14
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD2	6	15.14
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD3	6	15.14
(1,863)	1:A:95:GLN:HB2	1:A:71:ARG:H	5	15.13
(1,863)	1:A:95:GLN:HB2	1:B:71:ARG:H	5	15.13
(1,863)	1:A:95:GLN:HB3	1:A:71:ARG:H	5	15.13
(1,863)	1:A:95:GLN:HB3	1:B:71:ARG:H	5	15.13
(1,863)	1:B:95:GLN:HB2	1:A:71:ARG:H	5	15.13
(1,863)	1:B:95:GLN:HB2	1:B:71:ARG:H	5	15.13
(1,863)	1:B:95:GLN:HB3	1:A:71:ARG:H	5	15.13
(1,863)	1:B:95:GLN:HB3	1:B:71:ARG:H	5	15.13
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD21	10	15.11
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD22	10	15.11
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD23	10	15.11
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD21	10	15.11
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD22	10	15.11
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD23	10	15.11
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD21	10	15.11
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD22	10	15.11
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD23	10	15.11
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD21	10	15.11
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD22	10	15.11
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD23	10	15.11
(1,347)	1:A:67:LYS:H	1:A:45:ARG:HD2	15	15.1
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD2	15	15.1
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD3	15	15.1
(1,347)	1:B:67:LYS:H	1:A:45:ARG:HD2	15	15.1
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD2	15	15.1
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD3	15	15.1
(1,863)	1:A:95:GLN:HB2	1:A:71:ARG:H	3	15.08
(1,863)	1:A:95:GLN:HB2	1:B:71:ARG:H	3	15.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	1:A:95:GLN:HB3	1:A:71:ARG:H	3	15.08
(1,863)	1:A:95:GLN:HB3	1:B:71:ARG:H	3	15.08
(1,863)	1:B:95:GLN:HB2	1:A:71:ARG:H	3	15.08
(1,863)	1:B:95:GLN:HB2	1:B:71:ARG:H	3	15.08
(1,863)	1:B:95:GLN:HB3	1:A:71:ARG:H	3	15.08
(1,863)	1:B:95:GLN:HB3	1:B:71:ARG:H	3	15.08
(1,453)	1:A:67:LYS:HG2	1:A:45:ARG:HD2	13	15.08
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD2	13	15.08
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD3	13	15.08
(1,453)	1:B:67:LYS:HG2	1:A:45:ARG:HD2	13	15.08
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD2	13	15.08
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD3	13	15.08
(1,47)	1:A:43:GLU:HG2	1:A:70:SER:H	2	15.06
(1,47)	1:A:43:GLU:HG2	1:B:70:SER:H	2	15.06
(1,47)	1:B:43:GLU:HG2	1:A:70:SER:H	2	15.06
(1,47)	1:B:43:GLU:HG2	1:B:70:SER:H	2	15.06
(1,47)	1:B:43:GLU:HG3	1:A:70:SER:H	2	15.06
(1,47)	1:B:43:GLU:HG3	1:B:70:SER:H	2	15.06
(1,453)	1:A:67:LYS:HG2	1:A:45:ARG:HD2	3	15.06
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD2	3	15.06
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD3	3	15.06
(1,453)	1:B:67:LYS:HG2	1:A:45:ARG:HD2	3	15.06
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD2	3	15.06
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD3	3	15.06
(1,863)	1:A:95:GLN:HB2	1:A:71:ARG:H	13	15.05
(1,863)	1:A:95:GLN:HB2	1:B:71:ARG:H	13	15.05
(1,863)	1:A:95:GLN:HB3	1:A:71:ARG:H	13	15.05
(1,863)	1:A:95:GLN:HB3	1:B:71:ARG:H	13	15.05
(1,863)	1:B:95:GLN:HB2	1:A:71:ARG:H	13	15.05
(1,863)	1:B:95:GLN:HB2	1:B:71:ARG:H	13	15.05
(1,863)	1:B:95:GLN:HB3	1:A:71:ARG:H	13	15.05
(1,863)	1:B:95:GLN:HB3	1:B:71:ARG:H	13	15.05
(1,579)	1:A:61:ILE:HB	1:A:36:LYS:HE2	13	15.05
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE2	13	15.05
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE3	13	15.05
(1,579)	1:B:61:ILE:HB	1:A:36:LYS:HE2	13	15.05
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE2	13	15.05
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE3	13	15.05
(1,589)	1:A:68:ASP:HB2	1:A:43:GLU:HG2	16	15.04
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG2	16	15.04
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG3	16	15.04
(1,589)	1:A:68:ASP:HB3	1:A:43:GLU:HG2	16	15.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG2	16	15.04
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG3	16	15.04
(1,589)	1:B:68:ASP:HB2	1:A:43:GLU:HG2	16	15.04
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG2	16	15.04
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG3	16	15.04
(1,589)	1:B:68:ASP:HB3	1:A:43:GLU:HG2	16	15.04
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG2	16	15.04
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG3	16	15.04
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD21	16	15.03
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD22	16	15.03
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD23	16	15.03
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD21	16	15.03
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD22	16	15.03
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD23	16	15.03
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD21	16	15.03
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD22	16	15.03
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD23	16	15.03
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD21	16	15.03
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD22	16	15.03
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD23	16	15.03
(1,589)	1:A:68:ASP:HB2	1:A:43:GLU:HG2	2	15.03
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG2	2	15.03
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG3	2	15.03
(1,589)	1:A:68:ASP:HB3	1:A:43:GLU:HG2	2	15.03
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG2	2	15.03
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG3	2	15.03
(1,589)	1:B:68:ASP:HB2	1:A:43:GLU:HG2	2	15.03
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG2	2	15.03
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG3	2	15.03
(1,589)	1:B:68:ASP:HB3	1:A:43:GLU:HG2	2	15.03
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG2	2	15.03
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG3	2	15.03
(1,500)	1:A:70:SER:H	1:A:45:ARG:HD2	15	15.03
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD2	15	15.03
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD3	15	15.03
(1,500)	1:B:70:SER:H	1:A:45:ARG:HD2	15	15.03
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD2	15	15.03
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD3	15	15.03
(1,40)	1:A:69:SER:H	1:A:45:ARG:HD2	10	15.03
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD2	10	15.03
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD3	10	15.03
(1,40)	1:B:69:SER:H	1:A:45:ARG:HD2	10	15.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD2	10	15.03
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD3	10	15.03
(1,422)	1:A:70:SER:HB2	1:A:45:ARG:HD2	2	14.98
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD2	2	14.98
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD3	2	14.98
(1,422)	1:A:70:SER:HB3	1:A:45:ARG:HD2	2	14.98
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD2	2	14.98
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD3	2	14.98
(1,422)	1:B:70:SER:HB2	1:A:45:ARG:HD2	2	14.98
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD2	2	14.98
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD3	2	14.98
(1,422)	1:B:70:SER:HB3	1:A:45:ARG:HD2	2	14.98
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD2	2	14.98
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD3	2	14.98
(1,47)	1:A:43:GLU:HG2	1:A:70:SER:H	7	14.97
(1,47)	1:A:43:GLU:HG2	1:B:70:SER:H	7	14.97
(1,47)	1:B:43:GLU:HG2	1:A:70:SER:H	7	14.97
(1,47)	1:B:43:GLU:HG2	1:B:70:SER:H	7	14.97
(1,47)	1:B:43:GLU:HG3	1:A:70:SER:H	7	14.97
(1,47)	1:B:43:GLU:HG3	1:B:70:SER:H	7	14.97
(1,613)	1:A:61:ILE:HG12	1:A:36:LYS:HE2	9	14.96
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE2	9	14.96
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE3	9	14.96
(1,613)	1:A:61:ILE:HG13	1:A:36:LYS:HE2	9	14.96
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE2	9	14.96
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE3	9	14.96
(1,613)	1:A:61:ILE:HG21	1:A:36:LYS:HE2	9	14.96
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE2	9	14.96
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE3	9	14.96
(1,613)	1:A:61:ILE:HG22	1:A:36:LYS:HE2	9	14.96
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE2	9	14.96
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE3	9	14.96
(1,613)	1:A:61:ILE:HG23	1:A:36:LYS:HE2	9	14.96
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE2	9	14.96
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	9	14.96
(1,613)	1:B:61:ILE:HG12	1:A:36:LYS:HE2	9	14.96
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE2	9	14.96
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE3	9	14.96
(1,613)	1:B:61:ILE:HG13	1:A:36:LYS:HE2	9	14.96
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE2	9	14.96
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE3	9	14.96
(1,613)	1:B:61:ILE:HG21	1:A:36:LYS:HE2	9	14.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE2	9	14.96
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE3	9	14.96
(1,613)	1:B:61:ILE:HG22	1:A:36:LYS:HE2	9	14.96
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE2	9	14.96
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE3	9	14.96
(1,613)	1:B:61:ILE:HG23	1:A:36:LYS:HE2	9	14.96
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE2	9	14.96
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE3	9	14.96
(1,775)	1:A:67:LYS:HG3	1:A:45:ARG:HD2	13	14.94
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD2	13	14.94
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD3	13	14.94
(1,775)	1:B:67:LYS:HG3	1:A:45:ARG:HD2	13	14.94
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD2	13	14.94
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD3	13	14.94
(1,347)	1:A:67:LYS:H	1:A:45:ARG:HD2	17	14.94
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD2	17	14.94
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD3	17	14.94
(1,347)	1:B:67:LYS:H	1:A:45:ARG:HD2	17	14.94
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD2	17	14.94
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD3	17	14.94
(1,468)	1:A:70:SER:HA	1:A:45:ARG:HD2	1	14.93
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD2	1	14.93
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD3	1	14.93
(1,468)	1:B:70:SER:HA	1:A:45:ARG:HD2	1	14.93
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD2	1	14.93
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD3	1	14.93
(1,500)	1:A:70:SER:H	1:A:45:ARG:HD2	14	14.91
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD2	14	14.91
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD3	14	14.91
(1,500)	1:B:70:SER:H	1:A:45:ARG:HD2	14	14.91
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD2	14	14.91
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD3	14	14.91
(1,453)	1:A:67:LYS:HG2	1:A:45:ARG:HD2	12	14.91
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD2	12	14.91
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD3	12	14.91
(1,453)	1:B:67:LYS:HG2	1:A:45:ARG:HD2	12	14.91
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD2	12	14.91
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD3	12	14.91
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD21	2	14.9
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD22	2	14.9
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD23	2	14.9
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD21	2	14.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD22	2	14.9
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD23	2	14.9
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD21	2	14.9
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD22	2	14.9
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD23	2	14.9
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD21	2	14.9
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD22	2	14.9
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD23	2	14.9
(1,613)	1:A:61:ILE:HG12	1:A:36:LYS:HE2	6	14.9
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE2	6	14.9
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE3	6	14.9
(1,613)	1:A:61:ILE:HG13	1:A:36:LYS:HE2	6	14.9
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE2	6	14.9
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE3	6	14.9
(1,613)	1:A:61:ILE:HG21	1:A:36:LYS:HE2	6	14.9
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE2	6	14.9
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE3	6	14.9
(1,613)	1:A:61:ILE:HG22	1:A:36:LYS:HE2	6	14.9
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE2	6	14.9
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE3	6	14.9
(1,613)	1:A:61:ILE:HG23	1:A:36:LYS:HE2	6	14.9
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE2	6	14.9
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	6	14.9
(1,613)	1:B:61:ILE:HG12	1:A:36:LYS:HE2	6	14.9
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE2	6	14.9
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE3	6	14.9
(1,613)	1:B:61:ILE:HG13	1:A:36:LYS:HE2	6	14.9
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE2	6	14.9
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE3	6	14.9
(1,613)	1:B:61:ILE:HG21	1:A:36:LYS:HE2	6	14.9
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE2	6	14.9
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE3	6	14.9
(1,613)	1:B:61:ILE:HG22	1:A:36:LYS:HE2	6	14.9
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE2	6	14.9
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE3	6	14.9
(1,613)	1:B:61:ILE:HG23	1:A:36:LYS:HE2	6	14.9
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE2	6	14.9
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE3	6	14.9
(1,47)	1:A:43:GLU:HG2	1:A:70:SER:H	16	14.89
(1,47)	1:A:43:GLU:HG2	1:B:70:SER:H	16	14.89
(1,47)	1:B:43:GLU:HG2	1:A:70:SER:H	16	14.89
(1,47)	1:B:43:GLU:HG2	1:B:70:SER:H	16	14.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,47)	1:B:43:GLU:HG3	1:A:70:SER:H	16	14.89
(1,47)	1:B:43:GLU:HG3	1:B:70:SER:H	16	14.89
(1,500)	1:A:70:SER:H	1:A:45:ARG:HD2	18	14.88
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD2	18	14.88
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD3	18	14.88
(1,500)	1:B:70:SER:H	1:A:45:ARG:HD2	18	14.88
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD2	18	14.88
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD3	18	14.88
(1,347)	1:A:67:LYS:H	1:A:45:ARG:HD2	7	14.88
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD2	7	14.88
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD3	7	14.88
(1,347)	1:B:67:LYS:H	1:A:45:ARG:HD2	7	14.88
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD2	7	14.88
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD3	7	14.88
(1,515)	1:A:36:LYS:HE2	1:A:62:LEU:H	11	14.87
(1,515)	1:A:36:LYS:HE2	1:B:62:LEU:H	11	14.87
(1,515)	1:B:36:LYS:HE2	1:A:62:LEU:H	11	14.87
(1,515)	1:B:36:LYS:HE2	1:B:62:LEU:H	11	14.87
(1,515)	1:B:36:LYS:HE3	1:A:62:LEU:H	11	14.87
(1,515)	1:B:36:LYS:HE3	1:B:62:LEU:H	11	14.87
(1,465)	1:A:61:ILE:HA	1:A:36:LYS:HE2	1	14.87
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE2	1	14.87
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE3	1	14.87
(1,465)	1:B:61:ILE:HA	1:A:36:LYS:HE2	1	14.87
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE2	1	14.87
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE3	1	14.87
(1,775)	1:A:67:LYS:HG3	1:A:45:ARG:HD2	9	14.86
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD2	9	14.86
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD3	9	14.86
(1,775)	1:B:67:LYS:HG3	1:A:45:ARG:HD2	9	14.86
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD2	9	14.86
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD3	9	14.86
(1,453)	1:A:67:LYS:HG2	1:A:45:ARG:HD2	5	14.83
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD2	5	14.83
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD3	5	14.83
(1,453)	1:B:67:LYS:HG2	1:A:45:ARG:HD2	5	14.83
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD2	5	14.83
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD3	5	14.83
(1,604)	1:A:61:ILE:HD11	1:A:36:LYS:HE2	11	14.82
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE2	11	14.82
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE3	11	14.82
(1,604)	1:A:61:ILE:HD12	1:A:36:LYS:HE2	11	14.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE2	11	14.82
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE3	11	14.82
(1,604)	1:A:61:ILE:HD13	1:A:36:LYS:HE2	11	14.82
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE2	11	14.82
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE3	11	14.82
(1,604)	1:B:61:ILE:HD11	1:A:36:LYS:HE2	11	14.82
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE2	11	14.82
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE3	11	14.82
(1,604)	1:B:61:ILE:HD12	1:A:36:LYS:HE2	11	14.82
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE2	11	14.82
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE3	11	14.82
(1,604)	1:B:61:ILE:HD13	1:A:36:LYS:HE2	11	14.82
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE2	11	14.82
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE3	11	14.82
(1,863)	1:A:95:GLN:HB2	1:A:71:ARG:H	19	14.8
(1,863)	1:A:95:GLN:HB2	1:B:71:ARG:H	19	14.8
(1,863)	1:A:95:GLN:HB3	1:A:71:ARG:H	19	14.8
(1,863)	1:A:95:GLN:HB3	1:B:71:ARG:H	19	14.8
(1,863)	1:B:95:GLN:HB2	1:A:71:ARG:H	19	14.8
(1,863)	1:B:95:GLN:HB2	1:B:71:ARG:H	19	14.8
(1,863)	1:B:95:GLN:HB3	1:A:71:ARG:H	19	14.8
(1,863)	1:B:95:GLN:HB3	1:B:71:ARG:H	19	14.8
(1,352)	1:A:93:ARG:HA	1:A:72:HIS:H	15	14.79
(1,352)	1:A:93:ARG:HA	1:B:72:HIS:H	15	14.79
(1,352)	1:B:93:ARG:HA	1:A:72:HIS:H	15	14.79
(1,352)	1:B:93:ARG:HA	1:B:72:HIS:H	15	14.79
(1,579)	1:A:61:ILE:HB	1:A:36:LYS:HE2	4	14.78
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE2	4	14.78
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE3	4	14.78
(1,579)	1:B:61:ILE:HB	1:A:36:LYS:HE2	4	14.78
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE2	4	14.78
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE3	4	14.78
(1,40)	1:A:69:SER:H	1:A:45:ARG:HD2	17	14.77
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD2	17	14.77
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD3	17	14.77
(1,40)	1:B:69:SER:H	1:A:45:ARG:HD2	17	14.77
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD2	17	14.77
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD3	17	14.77
(1,347)	1:A:67:LYS:H	1:A:45:ARG:HD2	20	14.77
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD2	20	14.77
(1,347)	1:A:67:LYS:H	1:B:45:ARG:HD3	20	14.77
(1,347)	1:B:67:LYS:H	1:A:45:ARG:HD2	20	14.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD2	20	14.77
(1,347)	1:B:67:LYS:H	1:B:45:ARG:HD3	20	14.77
(1,40)	1:A:69:SER:H	1:A:45:ARG:HD2	20	14.76
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD2	20	14.76
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD3	20	14.76
(1,40)	1:B:69:SER:H	1:A:45:ARG:HD2	20	14.76
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD2	20	14.76
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD3	20	14.76
(1,500)	1:A:70:SER:H	1:A:45:ARG:HD2	10	14.75
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD2	10	14.75
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD3	10	14.75
(1,500)	1:B:70:SER:H	1:A:45:ARG:HD2	10	14.75
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD2	10	14.75
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD3	10	14.75
(1,468)	1:A:70:SER:HA	1:A:45:ARG:HD2	5	14.73
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD2	5	14.73
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD3	5	14.73
(1,468)	1:B:70:SER:HA	1:A:45:ARG:HD2	5	14.73
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD2	5	14.73
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD3	5	14.73
(1,453)	1:A:67:LYS:HG2	1:A:45:ARG:HD2	6	14.73
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD2	6	14.73
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD3	6	14.73
(1,453)	1:B:67:LYS:HG2	1:A:45:ARG:HD2	6	14.73
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD2	6	14.73
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD3	6	14.73
(1,465)	1:A:61:ILE:HA	1:A:36:LYS:HE2	7	14.72
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE2	7	14.72
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE3	7	14.72
(1,465)	1:B:61:ILE:HA	1:A:36:LYS:HE2	7	14.72
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE2	7	14.72
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE3	7	14.72
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD21	1	14.71
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD22	1	14.71
(1,723)	1:A:39:LYS:HG3	1:A:65:LEU:HD23	1	14.71
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD21	1	14.71
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD22	1	14.71
(1,723)	1:A:39:LYS:HG3	1:B:65:LEU:HD23	1	14.71
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD21	1	14.71
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD22	1	14.71
(1,723)	1:B:39:LYS:HG3	1:A:65:LEU:HD23	1	14.71
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD21	1	14.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD22	1	14.71
(1,723)	1:B:39:LYS:HG3	1:B:65:LEU:HD23	1	14.71
(1,863)	1:A:95:GLN:HB2	1:A:71:ARG:H	4	14.67
(1,863)	1:A:95:GLN:HB2	1:B:71:ARG:H	4	14.67
(1,863)	1:A:95:GLN:HB3	1:A:71:ARG:H	4	14.67
(1,863)	1:A:95:GLN:HB3	1:B:71:ARG:H	4	14.67
(1,863)	1:B:95:GLN:HB2	1:A:71:ARG:H	4	14.67
(1,863)	1:B:95:GLN:HB2	1:B:71:ARG:H	4	14.67
(1,863)	1:B:95:GLN:HB3	1:A:71:ARG:H	4	14.67
(1,863)	1:B:95:GLN:HB3	1:B:71:ARG:H	4	14.67
(1,453)	1:A:67:LYS:HG2	1:A:45:ARG:HD2	16	14.65
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD2	16	14.65
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD3	16	14.65
(1,453)	1:B:67:LYS:HG2	1:A:45:ARG:HD2	16	14.65
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD2	16	14.65
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD3	16	14.65
(1,579)	1:A:61:ILE:HB	1:A:36:LYS:HE2	17	14.64
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE2	17	14.64
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE3	17	14.64
(1,579)	1:B:61:ILE:HB	1:A:36:LYS:HE2	17	14.64
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE2	17	14.64
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE3	17	14.64
(1,352)	1:A:93:ARG:HA	1:A:72:HIS:H	9	14.63
(1,352)	1:A:93:ARG:HA	1:B:72:HIS:H	9	14.63
(1,352)	1:B:93:ARG:HA	1:A:72:HIS:H	9	14.63
(1,352)	1:B:93:ARG:HA	1:B:72:HIS:H	9	14.63
(1,47)	1:A:43:GLU:HG2	1:A:70:SER:H	10	14.62
(1,47)	1:A:43:GLU:HG2	1:B:70:SER:H	10	14.62
(1,47)	1:B:43:GLU:HG2	1:A:70:SER:H	10	14.62
(1,47)	1:B:43:GLU:HG2	1:B:70:SER:H	10	14.62
(1,47)	1:B:43:GLU:HG3	1:A:70:SER:H	10	14.62
(1,47)	1:B:43:GLU:HG3	1:B:70:SER:H	10	14.62
(1,515)	1:A:36:LYS:HE2	1:A:62:LEU:H	3	14.58
(1,515)	1:A:36:LYS:HE2	1:B:62:LEU:H	3	14.58
(1,515)	1:B:36:LYS:HE2	1:A:62:LEU:H	3	14.58
(1,515)	1:B:36:LYS:HE2	1:B:62:LEU:H	3	14.58
(1,515)	1:B:36:LYS:HE3	1:A:62:LEU:H	3	14.58
(1,515)	1:B:36:LYS:HE3	1:B:62:LEU:H	3	14.58
(1,468)	1:A:70:SER:HA	1:A:45:ARG:HD2	16	14.56
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD2	16	14.56
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD3	16	14.56
(1,468)	1:B:70:SER:HA	1:A:45:ARG:HD2	16	14.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD2	16	14.56
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD3	16	14.56
(1,500)	1:A:70:SER:H	1:A:45:ARG:HD2	17	14.54
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD2	17	14.54
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD3	17	14.54
(1,500)	1:B:70:SER:H	1:A:45:ARG:HD2	17	14.54
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD2	17	14.54
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD3	17	14.54
(1,453)	1:A:67:LYS:HG2	1:A:45:ARG:HD2	10	14.52
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD2	10	14.52
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD3	10	14.52
(1,453)	1:B:67:LYS:HG2	1:A:45:ARG:HD2	10	14.52
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD2	10	14.52
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD3	10	14.52
(1,863)	1:A:95:GLN:HB2	1:A:71:ARG:H	11	14.5
(1,863)	1:A:95:GLN:HB2	1:B:71:ARG:H	11	14.5
(1,863)	1:A:95:GLN:HB3	1:A:71:ARG:H	11	14.5
(1,863)	1:A:95:GLN:HB3	1:B:71:ARG:H	11	14.5
(1,863)	1:B:95:GLN:HB2	1:A:71:ARG:H	11	14.5
(1,863)	1:B:95:GLN:HB2	1:B:71:ARG:H	11	14.5
(1,863)	1:B:95:GLN:HB3	1:A:71:ARG:H	11	14.5
(1,863)	1:B:95:GLN:HB3	1:B:71:ARG:H	11	14.5
(1,352)	1:A:93:ARG:HA	1:A:72:HIS:H	1	14.49
(1,352)	1:A:93:ARG:HA	1:B:72:HIS:H	1	14.49
(1,352)	1:B:93:ARG:HA	1:A:72:HIS:H	1	14.49
(1,352)	1:B:93:ARG:HA	1:B:72:HIS:H	1	14.49
(1,515)	1:A:36:LYS:HE2	1:A:62:LEU:H	13	14.48
(1,515)	1:A:36:LYS:HE2	1:B:62:LEU:H	13	14.48
(1,515)	1:B:36:LYS:HE2	1:A:62:LEU:H	13	14.48
(1,515)	1:B:36:LYS:HE2	1:B:62:LEU:H	13	14.48
(1,515)	1:B:36:LYS:HE3	1:A:62:LEU:H	13	14.48
(1,515)	1:B:36:LYS:HE3	1:B:62:LEU:H	13	14.48
(1,465)	1:A:61:ILE:HA	1:A:36:LYS:HE2	2	14.46
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE2	2	14.46
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE3	2	14.46
(1,465)	1:B:61:ILE:HA	1:A:36:LYS:HE2	2	14.46
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE2	2	14.46
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE3	2	14.46
(1,393)	1:A:93:ARG:H	1:A:71:ARG:H	15	14.46
(1,393)	1:A:93:ARG:H	1:B:71:ARG:H	15	14.46
(1,393)	1:B:93:ARG:H	1:A:71:ARG:H	15	14.46
(1,393)	1:B:93:ARG:H	1:B:71:ARG:H	15	14.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:A:70:SER:HB2	1:A:45:ARG:HD2	9	14.44
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD2	9	14.44
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD3	9	14.44
(1,422)	1:A:70:SER:HB3	1:A:45:ARG:HD2	9	14.44
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD2	9	14.44
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD3	9	14.44
(1,422)	1:B:70:SER:HB2	1:A:45:ARG:HD2	9	14.44
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD2	9	14.44
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD3	9	14.44
(1,422)	1:B:70:SER:HB3	1:A:45:ARG:HD2	9	14.44
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD2	9	14.44
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD3	9	14.44
(1,468)	1:A:70:SER:HA	1:A:45:ARG:HD2	13	14.43
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD2	13	14.43
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD3	13	14.43
(1,468)	1:B:70:SER:HA	1:A:45:ARG:HD2	13	14.43
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD2	13	14.43
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD3	13	14.43
(1,453)	1:A:67:LYS:HG2	1:A:45:ARG:HD2	18	14.43
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD2	18	14.43
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD3	18	14.43
(1,453)	1:B:67:LYS:HG2	1:A:45:ARG:HD2	18	14.43
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD2	18	14.43
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD3	18	14.43
(1,393)	1:A:93:ARG:H	1:A:71:ARG:H	9	14.43
(1,393)	1:A:93:ARG:H	1:B:71:ARG:H	9	14.43
(1,393)	1:B:93:ARG:H	1:A:71:ARG:H	9	14.43
(1,393)	1:B:93:ARG:H	1:B:71:ARG:H	9	14.43
(1,775)	1:A:67:LYS:HG3	1:A:45:ARG:HD2	4	14.42
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD2	4	14.42
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD3	4	14.42
(1,775)	1:B:67:LYS:HG3	1:A:45:ARG:HD2	4	14.42
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD2	4	14.42
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD3	4	14.42
(1,352)	1:A:93:ARG:HA	1:A:72:HIS:H	14	14.42
(1,352)	1:A:93:ARG:HA	1:B:72:HIS:H	14	14.42
(1,352)	1:B:93:ARG:HA	1:A:72:HIS:H	14	14.42
(1,352)	1:B:93:ARG:HA	1:B:72:HIS:H	14	14.42
(1,352)	1:A:93:ARG:HA	1:A:72:HIS:H	2	14.41
(1,352)	1:A:93:ARG:HA	1:B:72:HIS:H	2	14.41
(1,352)	1:B:93:ARG:HA	1:A:72:HIS:H	2	14.41
(1,352)	1:B:93:ARG:HA	1:B:72:HIS:H	2	14.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	1:A:95:GLN:HB2	1:A:71:ARG:H	8	14.39
(1,863)	1:A:95:GLN:HB2	1:B:71:ARG:H	8	14.39
(1,863)	1:A:95:GLN:HB3	1:A:71:ARG:H	8	14.39
(1,863)	1:A:95:GLN:HB3	1:B:71:ARG:H	8	14.39
(1,863)	1:B:95:GLN:HB2	1:A:71:ARG:H	8	14.39
(1,863)	1:B:95:GLN:HB2	1:B:71:ARG:H	8	14.39
(1,863)	1:B:95:GLN:HB3	1:A:71:ARG:H	8	14.39
(1,863)	1:B:95:GLN:HB3	1:B:71:ARG:H	8	14.39
(1,468)	1:A:70:SER:HA	1:A:45:ARG:HD2	19	14.39
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD2	19	14.39
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD3	19	14.39
(1,468)	1:B:70:SER:HA	1:A:45:ARG:HD2	19	14.39
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD2	19	14.39
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD3	19	14.39
(1,453)	1:A:67:LYS:HG2	1:A:45:ARG:HD2	17	14.39
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD2	17	14.39
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD3	17	14.39
(1,453)	1:B:67:LYS:HG2	1:A:45:ARG:HD2	17	14.39
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD2	17	14.39
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD3	17	14.39
(1,352)	1:A:93:ARG:HA	1:A:72:HIS:H	12	14.39
(1,352)	1:A:93:ARG:HA	1:B:72:HIS:H	12	14.39
(1,352)	1:B:93:ARG:HA	1:A:72:HIS:H	12	14.39
(1,352)	1:B:93:ARG:HA	1:B:72:HIS:H	12	14.39
(1,352)	1:A:93:ARG:HA	1:A:72:HIS:H	16	14.38
(1,352)	1:A:93:ARG:HA	1:B:72:HIS:H	16	14.38
(1,352)	1:B:93:ARG:HA	1:A:72:HIS:H	16	14.38
(1,352)	1:B:93:ARG:HA	1:B:72:HIS:H	16	14.38
(1,393)	1:A:93:ARG:H	1:A:71:ARG:H	2	14.37
(1,393)	1:A:93:ARG:H	1:B:71:ARG:H	2	14.37
(1,393)	1:B:93:ARG:H	1:A:71:ARG:H	2	14.37
(1,393)	1:B:93:ARG:H	1:B:71:ARG:H	2	14.37
(1,40)	1:A:69:SER:H	1:A:45:ARG:HD2	7	14.36
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD2	7	14.36
(1,40)	1:A:69:SER:H	1:B:45:ARG:HD3	7	14.36
(1,40)	1:B:69:SER:H	1:A:45:ARG:HD2	7	14.36
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD2	7	14.36
(1,40)	1:B:69:SER:H	1:B:45:ARG:HD3	7	14.36
(1,468)	1:A:70:SER:HA	1:A:45:ARG:HD2	3	14.35
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD2	3	14.35
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD3	3	14.35
(1,468)	1:B:70:SER:HA	1:A:45:ARG:HD2	3	14.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD2	3	14.35
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD3	3	14.35
(1,352)	1:A:93:ARG:HA	1:A:72:HIS:H	3	14.35
(1,352)	1:A:93:ARG:HA	1:B:72:HIS:H	3	14.35
(1,352)	1:B:93:ARG:HA	1:A:72:HIS:H	3	14.35
(1,352)	1:B:93:ARG:HA	1:B:72:HIS:H	3	14.35
(1,465)	1:A:61:ILE:HA	1:A:36:LYS:HE2	19	14.34
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE2	19	14.34
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE3	19	14.34
(1,465)	1:B:61:ILE:HA	1:A:36:LYS:HE2	19	14.34
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE2	19	14.34
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE3	19	14.34
(1,453)	1:A:67:LYS:HG2	1:A:45:ARG:HD2	11	14.34
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD2	11	14.34
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD3	11	14.34
(1,453)	1:B:67:LYS:HG2	1:A:45:ARG:HD2	11	14.34
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD2	11	14.34
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD3	11	14.34
(1,604)	1:A:61:ILE:HD11	1:A:36:LYS:HE2	16	14.33
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE2	16	14.33
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE3	16	14.33
(1,604)	1:A:61:ILE:HD12	1:A:36:LYS:HE2	16	14.33
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE2	16	14.33
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE3	16	14.33
(1,604)	1:A:61:ILE:HD13	1:A:36:LYS:HE2	16	14.33
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE2	16	14.33
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE3	16	14.33
(1,604)	1:B:61:ILE:HD11	1:A:36:LYS:HE2	16	14.33
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE2	16	14.33
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE3	16	14.33
(1,604)	1:B:61:ILE:HD12	1:A:36:LYS:HE2	16	14.33
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE2	16	14.33
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE3	16	14.33
(1,604)	1:B:61:ILE:HD13	1:A:36:LYS:HE2	16	14.33
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE2	16	14.33
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE3	16	14.33
(1,500)	1:A:70:SER:H	1:A:45:ARG:HD2	20	14.33
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD2	20	14.33
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD3	20	14.33
(1,500)	1:B:70:SER:H	1:A:45:ARG:HD2	20	14.33
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD2	20	14.33
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD3	20	14.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:A:68:ASP:HB2	1:A:43:GLU:HG2	10	14.31
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG2	10	14.31
(1,589)	1:A:68:ASP:HB2	1:B:43:GLU:HG3	10	14.31
(1,589)	1:A:68:ASP:HB3	1:A:43:GLU:HG2	10	14.31
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG2	10	14.31
(1,589)	1:A:68:ASP:HB3	1:B:43:GLU:HG3	10	14.31
(1,589)	1:B:68:ASP:HB2	1:A:43:GLU:HG2	10	14.31
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG2	10	14.31
(1,589)	1:B:68:ASP:HB2	1:B:43:GLU:HG3	10	14.31
(1,589)	1:B:68:ASP:HB3	1:A:43:GLU:HG2	10	14.31
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG2	10	14.31
(1,589)	1:B:68:ASP:HB3	1:B:43:GLU:HG3	10	14.31
(1,393)	1:A:93:ARG:H	1:A:71:ARG:H	12	14.3
(1,393)	1:A:93:ARG:H	1:B:71:ARG:H	12	14.3
(1,393)	1:B:93:ARG:H	1:A:71:ARG:H	12	14.3
(1,393)	1:B:93:ARG:H	1:B:71:ARG:H	12	14.3
(1,393)	1:A:93:ARG:H	1:A:71:ARG:H	1	14.29
(1,393)	1:A:93:ARG:H	1:B:71:ARG:H	1	14.29
(1,393)	1:B:93:ARG:H	1:A:71:ARG:H	1	14.29
(1,393)	1:B:93:ARG:H	1:B:71:ARG:H	1	14.29
(1,393)	1:A:93:ARG:H	1:A:71:ARG:H	6	14.29
(1,393)	1:A:93:ARG:H	1:B:71:ARG:H	6	14.29
(1,393)	1:B:93:ARG:H	1:A:71:ARG:H	6	14.29
(1,393)	1:B:93:ARG:H	1:B:71:ARG:H	6	14.29
(1,515)	1:A:36:LYS:HE2	1:A:62:LEU:H	16	14.25
(1,515)	1:A:36:LYS:HE2	1:B:62:LEU:H	16	14.25
(1,515)	1:B:36:LYS:HE2	1:A:62:LEU:H	16	14.25
(1,515)	1:B:36:LYS:HE2	1:B:62:LEU:H	16	14.25
(1,515)	1:B:36:LYS:HE3	1:A:62:LEU:H	16	14.25
(1,515)	1:B:36:LYS:HE3	1:B:62:LEU:H	16	14.25
(1,352)	1:A:93:ARG:HA	1:A:72:HIS:H	5	14.24
(1,352)	1:A:93:ARG:HA	1:B:72:HIS:H	5	14.24
(1,352)	1:B:93:ARG:HA	1:A:72:HIS:H	5	14.24
(1,352)	1:B:93:ARG:HA	1:B:72:HIS:H	5	14.24
(1,352)	1:A:93:ARG:HA	1:A:72:HIS:H	8	14.24
(1,352)	1:A:93:ARG:HA	1:B:72:HIS:H	8	14.24
(1,352)	1:B:93:ARG:HA	1:A:72:HIS:H	8	14.24
(1,352)	1:B:93:ARG:HA	1:B:72:HIS:H	8	14.24
(1,515)	1:A:36:LYS:HE2	1:A:62:LEU:H	4	14.23
(1,515)	1:A:36:LYS:HE2	1:B:62:LEU:H	4	14.23
(1,515)	1:B:36:LYS:HE2	1:A:62:LEU:H	4	14.23
(1,515)	1:B:36:LYS:HE2	1:B:62:LEU:H	4	14.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,515)	1:B:36:LYS:HE3	1:A:62:LEU:H	4	14.23
(1,515)	1:B:36:LYS:HE3	1:B:62:LEU:H	4	14.23
(1,352)	1:A:93:ARG:HA	1:A:72:HIS:H	6	14.23
(1,352)	1:A:93:ARG:HA	1:B:72:HIS:H	6	14.23
(1,352)	1:B:93:ARG:HA	1:A:72:HIS:H	6	14.23
(1,352)	1:B:93:ARG:HA	1:B:72:HIS:H	6	14.23
(1,604)	1:A:61:ILE:HD11	1:A:36:LYS:HE2	13	14.21
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE2	13	14.21
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE3	13	14.21
(1,604)	1:A:61:ILE:HD12	1:A:36:LYS:HE2	13	14.21
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE2	13	14.21
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE3	13	14.21
(1,604)	1:A:61:ILE:HD13	1:A:36:LYS:HE2	13	14.21
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE2	13	14.21
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE3	13	14.21
(1,604)	1:B:61:ILE:HD11	1:A:36:LYS:HE2	13	14.21
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE2	13	14.21
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE3	13	14.21
(1,604)	1:B:61:ILE:HD12	1:A:36:LYS:HE2	13	14.21
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE2	13	14.21
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE3	13	14.21
(1,604)	1:B:61:ILE:HD13	1:A:36:LYS:HE2	13	14.21
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE2	13	14.21
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE3	13	14.21
(1,775)	1:A:67:LYS:HG3	1:A:45:ARG:HD2	19	14.19
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD2	19	14.19
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD3	19	14.19
(1,775)	1:B:67:LYS:HG3	1:A:45:ARG:HD2	19	14.19
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD2	19	14.19
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD3	19	14.19
(1,352)	1:A:93:ARG:HA	1:A:72:HIS:H	18	14.16
(1,352)	1:A:93:ARG:HA	1:B:72:HIS:H	18	14.16
(1,352)	1:B:93:ARG:HA	1:A:72:HIS:H	18	14.16
(1,352)	1:B:93:ARG:HA	1:B:72:HIS:H	18	14.16
(1,453)	1:A:67:LYS:HG2	1:A:45:ARG:HD2	1	14.15
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD2	1	14.15
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD3	1	14.15
(1,453)	1:B:67:LYS:HG2	1:A:45:ARG:HD2	1	14.15
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD2	1	14.15
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD3	1	14.15
(1,465)	1:A:61:ILE:HA	1:A:36:LYS:HE2	5	14.14
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE2	5	14.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE3	5	14.14
(1,465)	1:B:61:ILE:HA	1:A:36:LYS:HE2	5	14.14
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE2	5	14.14
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE3	5	14.14
(1,352)	1:A:93:ARG:HA	1:A:72:HIS:H	17	14.13
(1,352)	1:A:93:ARG:HA	1:B:72:HIS:H	17	14.13
(1,352)	1:B:93:ARG:HA	1:A:72:HIS:H	17	14.13
(1,352)	1:B:93:ARG:HA	1:B:72:HIS:H	17	14.13
(1,393)	1:A:93:ARG:H	1:A:71:ARG:H	4	14.11
(1,393)	1:A:93:ARG:H	1:B:71:ARG:H	4	14.11
(1,393)	1:B:93:ARG:H	1:A:71:ARG:H	4	14.11
(1,393)	1:B:93:ARG:H	1:B:71:ARG:H	4	14.11
(1,468)	1:A:70:SER:HA	1:A:45:ARG:HD2	15	14.09
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD2	15	14.09
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD3	15	14.09
(1,468)	1:B:70:SER:HA	1:A:45:ARG:HD2	15	14.09
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD2	15	14.09
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD3	15	14.09
(1,352)	1:A:93:ARG:HA	1:A:72:HIS:H	20	14.09
(1,352)	1:A:93:ARG:HA	1:B:72:HIS:H	20	14.09
(1,352)	1:B:93:ARG:HA	1:A:72:HIS:H	20	14.09
(1,352)	1:B:93:ARG:HA	1:B:72:HIS:H	20	14.09
(1,468)	1:A:70:SER:HA	1:A:45:ARG:HD2	11	14.08
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD2	11	14.08
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD3	11	14.08
(1,468)	1:B:70:SER:HA	1:A:45:ARG:HD2	11	14.08
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD2	11	14.08
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD3	11	14.08
(1,352)	1:A:93:ARG:HA	1:A:72:HIS:H	4	14.08
(1,352)	1:A:93:ARG:HA	1:B:72:HIS:H	4	14.08
(1,352)	1:B:93:ARG:HA	1:A:72:HIS:H	4	14.08
(1,352)	1:B:93:ARG:HA	1:B:72:HIS:H	4	14.08
(1,775)	1:A:67:LYS:HG3	1:A:45:ARG:HD2	12	14.07
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD2	12	14.07
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD3	12	14.07
(1,775)	1:B:67:LYS:HG3	1:A:45:ARG:HD2	12	14.07
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD2	12	14.07
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD3	12	14.07
(1,352)	1:A:93:ARG:HA	1:A:72:HIS:H	7	14.06
(1,352)	1:A:93:ARG:HA	1:B:72:HIS:H	7	14.06
(1,352)	1:B:93:ARG:HA	1:A:72:HIS:H	7	14.06
(1,352)	1:B:93:ARG:HA	1:B:72:HIS:H	7	14.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:A:70:SER:HB2	1:A:45:ARG:HD2	12	14.04
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD2	12	14.04
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD3	12	14.04
(1,422)	1:A:70:SER:HB3	1:A:45:ARG:HD2	12	14.04
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD2	12	14.04
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD3	12	14.04
(1,422)	1:B:70:SER:HB2	1:A:45:ARG:HD2	12	14.04
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD2	12	14.04
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD3	12	14.04
(1,422)	1:B:70:SER:HB3	1:A:45:ARG:HD2	12	14.04
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD2	12	14.04
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD3	12	14.04
(1,393)	1:A:93:ARG:H	1:A:71:ARG:H	5	14.04
(1,393)	1:A:93:ARG:H	1:B:71:ARG:H	5	14.04
(1,393)	1:B:93:ARG:H	1:A:71:ARG:H	5	14.04
(1,393)	1:B:93:ARG:H	1:B:71:ARG:H	5	14.04
(1,453)	1:A:67:LYS:HG2	1:A:45:ARG:HD2	15	14.02
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD2	15	14.02
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD3	15	14.02
(1,453)	1:B:67:LYS:HG2	1:A:45:ARG:HD2	15	14.02
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD2	15	14.02
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD3	15	14.02
(1,775)	1:A:67:LYS:HG3	1:A:45:ARG:HD2	5	14.0
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD2	5	14.0
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD3	5	14.0
(1,775)	1:B:67:LYS:HG3	1:A:45:ARG:HD2	5	14.0
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD2	5	14.0
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD3	5	14.0
(1,393)	1:A:93:ARG:H	1:A:71:ARG:H	3	14.0
(1,393)	1:A:93:ARG:H	1:B:71:ARG:H	3	14.0
(1,393)	1:B:93:ARG:H	1:A:71:ARG:H	3	14.0
(1,393)	1:B:93:ARG:H	1:B:71:ARG:H	3	14.0
(1,393)	1:A:93:ARG:H	1:A:71:ARG:H	14	14.0
(1,393)	1:A:93:ARG:H	1:B:71:ARG:H	14	14.0
(1,393)	1:B:93:ARG:H	1:A:71:ARG:H	14	14.0
(1,393)	1:B:93:ARG:H	1:B:71:ARG:H	14	14.0
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB2	2	13.99
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB3	2	13.99
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB2	2	13.99
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB3	2	13.99
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB2	2	13.99
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB3	2	13.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB2	2	13.99
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB3	2	13.99
(1,468)	1:A:70:SER:HA	1:A:45:ARG:HD2	6	13.99
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD2	6	13.99
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD3	6	13.99
(1,468)	1:B:70:SER:HA	1:A:45:ARG:HD2	6	13.99
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD2	6	13.99
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD3	6	13.99
(1,422)	1:A:70:SER:HB2	1:A:45:ARG:HD2	1	13.99
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD2	1	13.99
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD3	1	13.99
(1,422)	1:A:70:SER:HB3	1:A:45:ARG:HD2	1	13.99
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD2	1	13.99
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD3	1	13.99
(1,422)	1:B:70:SER:HB2	1:A:45:ARG:HD2	1	13.99
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD2	1	13.99
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD3	1	13.99
(1,422)	1:B:70:SER:HB3	1:A:45:ARG:HD2	1	13.99
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD2	1	13.99
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD3	1	13.99
(1,468)	1:A:70:SER:HA	1:A:45:ARG:HD2	8	13.98
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD2	8	13.98
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD3	8	13.98
(1,468)	1:B:70:SER:HA	1:A:45:ARG:HD2	8	13.98
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD2	8	13.98
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD3	8	13.98
(1,500)	1:A:70:SER:H	1:A:45:ARG:HD2	7	13.96
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD2	7	13.96
(1,500)	1:A:70:SER:H	1:B:45:ARG:HD3	7	13.96
(1,500)	1:B:70:SER:H	1:A:45:ARG:HD2	7	13.96
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD2	7	13.96
(1,500)	1:B:70:SER:H	1:B:45:ARG:HD3	7	13.96
(1,422)	1:A:70:SER:HB2	1:A:45:ARG:HD2	4	13.93
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD2	4	13.93
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD3	4	13.93
(1,422)	1:A:70:SER:HB3	1:A:45:ARG:HD2	4	13.93
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD2	4	13.93
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD3	4	13.93
(1,422)	1:B:70:SER:HB2	1:A:45:ARG:HD2	4	13.93
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD2	4	13.93
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD3	4	13.93
(1,422)	1:B:70:SER:HB3	1:A:45:ARG:HD2	4	13.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD2	4	13.93
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD3	4	13.93
(1,393)	1:A:93:ARG:H	1:A:71:ARG:H	11	13.93
(1,393)	1:A:93:ARG:H	1:B:71:ARG:H	11	13.93
(1,393)	1:B:93:ARG:H	1:A:71:ARG:H	11	13.93
(1,393)	1:B:93:ARG:H	1:B:71:ARG:H	11	13.93
(1,103)	1:A:93:ARG:H	1:A:72:HIS:H	15	13.93
(1,103)	1:A:93:ARG:H	1:B:72:HIS:H	15	13.93
(1,103)	1:B:93:ARG:H	1:A:72:HIS:H	15	13.93
(1,103)	1:B:93:ARG:H	1:B:72:HIS:H	15	13.93
(1,465)	1:A:61:ILE:HA	1:A:36:LYS:HE2	14	13.92
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE2	14	13.92
(1,465)	1:A:61:ILE:HA	1:B:36:LYS:HE3	14	13.92
(1,465)	1:B:61:ILE:HA	1:A:36:LYS:HE2	14	13.92
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE2	14	13.92
(1,465)	1:B:61:ILE:HA	1:B:36:LYS:HE3	14	13.92
(1,393)	1:A:93:ARG:H	1:A:71:ARG:H	16	13.92
(1,393)	1:A:93:ARG:H	1:B:71:ARG:H	16	13.92
(1,393)	1:B:93:ARG:H	1:A:71:ARG:H	16	13.92
(1,393)	1:B:93:ARG:H	1:B:71:ARG:H	16	13.92
(1,352)	1:A:93:ARG:HA	1:A:72:HIS:H	10	13.92
(1,352)	1:A:93:ARG:HA	1:B:72:HIS:H	10	13.92
(1,352)	1:B:93:ARG:HA	1:A:72:HIS:H	10	13.92
(1,352)	1:B:93:ARG:HA	1:B:72:HIS:H	10	13.92
(1,393)	1:A:93:ARG:H	1:A:71:ARG:H	7	13.91
(1,393)	1:A:93:ARG:H	1:B:71:ARG:H	7	13.91
(1,393)	1:B:93:ARG:H	1:A:71:ARG:H	7	13.91
(1,393)	1:B:93:ARG:H	1:B:71:ARG:H	7	13.91
(1,352)	1:A:93:ARG:HA	1:A:72:HIS:H	11	13.91
(1,352)	1:A:93:ARG:HA	1:B:72:HIS:H	11	13.91
(1,352)	1:B:93:ARG:HA	1:A:72:HIS:H	11	13.91
(1,352)	1:B:93:ARG:HA	1:B:72:HIS:H	11	13.91
(1,775)	1:A:67:LYS:HG3	1:A:45:ARG:HD2	2	13.9
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD2	2	13.9
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD3	2	13.9
(1,775)	1:B:67:LYS:HG3	1:A:45:ARG:HD2	2	13.9
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD2	2	13.9
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD3	2	13.9
(1,775)	1:A:67:LYS:HG3	1:A:45:ARG:HD2	1	13.88
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD2	1	13.88
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD3	1	13.88
(1,775)	1:B:67:LYS:HG3	1:A:45:ARG:HD2	1	13.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD2	1	13.88
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD3	1	13.88
(1,604)	1:A:61:ILE:HD11	1:A:36:LYS:HE2	17	13.87
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE2	17	13.87
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE3	17	13.87
(1,604)	1:A:61:ILE:HD12	1:A:36:LYS:HE2	17	13.87
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE2	17	13.87
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE3	17	13.87
(1,604)	1:A:61:ILE:HD13	1:A:36:LYS:HE2	17	13.87
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE2	17	13.87
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE3	17	13.87
(1,604)	1:B:61:ILE:HD11	1:A:36:LYS:HE2	17	13.87
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE2	17	13.87
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE3	17	13.87
(1,604)	1:B:61:ILE:HD12	1:A:36:LYS:HE2	17	13.87
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE2	17	13.87
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE3	17	13.87
(1,604)	1:B:61:ILE:HD13	1:A:36:LYS:HE2	17	13.87
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE2	17	13.87
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE3	17	13.87
(1,453)	1:A:67:LYS:HG2	1:A:45:ARG:HD2	14	13.87
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD2	14	13.87
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD3	14	13.87
(1,453)	1:B:67:LYS:HG2	1:A:45:ARG:HD2	14	13.87
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD2	14	13.87
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD3	14	13.87
(1,393)	1:A:93:ARG:H	1:A:71:ARG:H	17	13.87
(1,393)	1:A:93:ARG:H	1:B:71:ARG:H	17	13.87
(1,393)	1:B:93:ARG:H	1:A:71:ARG:H	17	13.87
(1,393)	1:B:93:ARG:H	1:B:71:ARG:H	17	13.87
(1,515)	1:A:36:LYS:HE2	1:A:62:LEU:H	17	13.86
(1,515)	1:A:36:LYS:HE2	1:B:62:LEU:H	17	13.86
(1,515)	1:B:36:LYS:HE2	1:A:62:LEU:H	17	13.86
(1,515)	1:B:36:LYS:HE2	1:B:62:LEU:H	17	13.86
(1,515)	1:B:36:LYS:HE3	1:A:62:LEU:H	17	13.86
(1,515)	1:B:36:LYS:HE3	1:B:62:LEU:H	17	13.86
(1,393)	1:A:93:ARG:H	1:A:71:ARG:H	18	13.85
(1,393)	1:A:93:ARG:H	1:B:71:ARG:H	18	13.85
(1,393)	1:B:93:ARG:H	1:A:71:ARG:H	18	13.85
(1,393)	1:B:93:ARG:H	1:B:71:ARG:H	18	13.85
(1,604)	1:A:61:ILE:HD11	1:A:36:LYS:HE2	4	13.83
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE2	4	13.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE3	4	13.83
(1,604)	1:A:61:ILE:HD12	1:A:36:LYS:HE2	4	13.83
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE2	4	13.83
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE3	4	13.83
(1,604)	1:A:61:ILE:HD13	1:A:36:LYS:HE2	4	13.83
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE2	4	13.83
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE3	4	13.83
(1,604)	1:B:61:ILE:HD11	1:A:36:LYS:HE2	4	13.83
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE2	4	13.83
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE3	4	13.83
(1,604)	1:B:61:ILE:HD12	1:A:36:LYS:HE2	4	13.83
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE2	4	13.83
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE3	4	13.83
(1,604)	1:B:61:ILE:HD13	1:A:36:LYS:HE2	4	13.83
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE2	4	13.83
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE3	4	13.83
(1,103)	1:A:93:ARG:H	1:A:72:HIS:H	9	13.83
(1,103)	1:A:93:ARG:H	1:B:72:HIS:H	9	13.83
(1,103)	1:B:93:ARG:H	1:A:72:HIS:H	9	13.83
(1,103)	1:B:93:ARG:H	1:B:72:HIS:H	9	13.83
(1,393)	1:A:93:ARG:H	1:A:71:ARG:H	20	13.82
(1,393)	1:A:93:ARG:H	1:B:71:ARG:H	20	13.82
(1,393)	1:B:93:ARG:H	1:A:71:ARG:H	20	13.82
(1,393)	1:B:93:ARG:H	1:B:71:ARG:H	20	13.82
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB2	15	13.79
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB3	15	13.79
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB2	15	13.79
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB3	15	13.79
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB2	15	13.79
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB3	15	13.79
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB2	15	13.79
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB3	15	13.79
(1,453)	1:A:67:LYS:HG2	1:A:45:ARG:HD2	7	13.77
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD2	7	13.77
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD3	7	13.77
(1,453)	1:B:67:LYS:HG2	1:A:45:ARG:HD2	7	13.77
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD2	7	13.77
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD3	7	13.77
(1,775)	1:A:67:LYS:HG3	1:A:45:ARG:HD2	18	13.75
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD2	18	13.75
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD3	18	13.75
(1,775)	1:B:67:LYS:HG3	1:A:45:ARG:HD2	18	13.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD2	18	13.75
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD3	18	13.75
(1,468)	1:A:70:SER:HA	1:A:45:ARG:HD2	10	13.73
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD2	10	13.73
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD3	10	13.73
(1,468)	1:B:70:SER:HA	1:A:45:ARG:HD2	10	13.73
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD2	10	13.73
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD3	10	13.73
(1,468)	1:A:70:SER:HA	1:A:45:ARG:HD2	17	13.71
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD2	17	13.71
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD3	17	13.71
(1,468)	1:B:70:SER:HA	1:A:45:ARG:HD2	17	13.71
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD2	17	13.71
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD3	17	13.71
(1,775)	1:A:67:LYS:HG3	1:A:45:ARG:HD2	14	13.7
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD2	14	13.7
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD3	14	13.7
(1,775)	1:B:67:LYS:HG3	1:A:45:ARG:HD2	14	13.7
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD2	14	13.7
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD3	14	13.7
(1,103)	1:A:93:ARG:H	1:A:72:HIS:H	1	13.7
(1,103)	1:A:93:ARG:H	1:B:72:HIS:H	1	13.7
(1,103)	1:B:93:ARG:H	1:A:72:HIS:H	1	13.7
(1,103)	1:B:93:ARG:H	1:B:72:HIS:H	1	13.7
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB2	1	13.69
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB3	1	13.69
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB2	1	13.69
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB3	1	13.69
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB2	1	13.69
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB3	1	13.69
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB2	1	13.69
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB3	1	13.69
(1,393)	1:A:93:ARG:H	1:A:71:ARG:H	13	13.69
(1,393)	1:A:93:ARG:H	1:B:71:ARG:H	13	13.69
(1,393)	1:B:93:ARG:H	1:A:71:ARG:H	13	13.69
(1,393)	1:B:93:ARG:H	1:B:71:ARG:H	13	13.69
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB2	3	13.68
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB3	3	13.68
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB2	3	13.68
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB3	3	13.68
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB2	3	13.68
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB3	3	13.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB2	3	13.68
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB3	3	13.68
(1,468)	1:A:70:SER:HA	1:A:45:ARG:HD2	14	13.66
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD2	14	13.66
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD3	14	13.66
(1,468)	1:B:70:SER:HA	1:A:45:ARG:HD2	14	13.66
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD2	14	13.66
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD3	14	13.66
(1,393)	1:A:93:ARG:H	1:A:71:ARG:H	8	13.66
(1,393)	1:A:93:ARG:H	1:B:71:ARG:H	8	13.66
(1,393)	1:B:93:ARG:H	1:A:71:ARG:H	8	13.66
(1,393)	1:B:93:ARG:H	1:B:71:ARG:H	8	13.66
(1,468)	1:A:70:SER:HA	1:A:45:ARG:HD2	18	13.65
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD2	18	13.65
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD3	18	13.65
(1,468)	1:B:70:SER:HA	1:A:45:ARG:HD2	18	13.65
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD2	18	13.65
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD3	18	13.65
(1,775)	1:A:67:LYS:HG3	1:A:45:ARG:HD2	6	13.64
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD2	6	13.64
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD3	6	13.64
(1,775)	1:B:67:LYS:HG3	1:A:45:ARG:HD2	6	13.64
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD2	6	13.64
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD3	6	13.64
(1,103)	1:A:93:ARG:H	1:A:72:HIS:H	2	13.64
(1,103)	1:A:93:ARG:H	1:B:72:HIS:H	2	13.64
(1,103)	1:B:93:ARG:H	1:A:72:HIS:H	2	13.64
(1,103)	1:B:93:ARG:H	1:B:72:HIS:H	2	13.64
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB2	7	13.61
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB3	7	13.61
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB2	7	13.61
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB3	7	13.61
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB2	7	13.61
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB3	7	13.61
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB2	7	13.61
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB3	7	13.61
(1,775)	1:A:67:LYS:HG3	1:A:45:ARG:HD2	11	13.61
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD2	11	13.61
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD3	11	13.61
(1,775)	1:B:67:LYS:HG3	1:A:45:ARG:HD2	11	13.61
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD2	11	13.61
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD3	11	13.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:A:61:ILE:HB	1:A:36:LYS:HE2	1	13.61
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE2	1	13.61
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE3	1	13.61
(1,579)	1:B:61:ILE:HB	1:A:36:LYS:HE2	1	13.61
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE2	1	13.61
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE3	1	13.61
(1,103)	1:A:93:ARG:H	1:A:72:HIS:H	12	13.61
(1,103)	1:A:93:ARG:H	1:B:72:HIS:H	12	13.61
(1,103)	1:B:93:ARG:H	1:A:72:HIS:H	12	13.61
(1,103)	1:B:93:ARG:H	1:B:72:HIS:H	12	13.61
(1,103)	1:A:93:ARG:H	1:A:72:HIS:H	14	13.61
(1,103)	1:A:93:ARG:H	1:B:72:HIS:H	14	13.61
(1,103)	1:B:93:ARG:H	1:A:72:HIS:H	14	13.61
(1,103)	1:B:93:ARG:H	1:B:72:HIS:H	14	13.61
(1,393)	1:A:93:ARG:H	1:A:71:ARG:H	10	13.6
(1,393)	1:A:93:ARG:H	1:B:71:ARG:H	10	13.6
(1,393)	1:B:93:ARG:H	1:A:71:ARG:H	10	13.6
(1,393)	1:B:93:ARG:H	1:B:71:ARG:H	10	13.6
(1,352)	1:A:93:ARG:HA	1:A:72:HIS:H	13	13.59
(1,352)	1:A:93:ARG:HA	1:B:72:HIS:H	13	13.59
(1,352)	1:B:93:ARG:HA	1:A:72:HIS:H	13	13.59
(1,352)	1:B:93:ARG:HA	1:B:72:HIS:H	13	13.59
(1,103)	1:A:93:ARG:H	1:A:72:HIS:H	3	13.59
(1,103)	1:A:93:ARG:H	1:B:72:HIS:H	3	13.59
(1,103)	1:B:93:ARG:H	1:A:72:HIS:H	3	13.59
(1,103)	1:B:93:ARG:H	1:B:72:HIS:H	3	13.59
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB2	4	13.58
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB3	4	13.58
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB2	4	13.58
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB3	4	13.58
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB2	4	13.58
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB3	4	13.58
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB2	4	13.58
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB3	4	13.58
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB2	12	13.58
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB3	12	13.58
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB2	12	13.58
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB3	12	13.58
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB2	12	13.58
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB3	12	13.58
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB2	12	13.58
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB3	12	13.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,103)	1:A:93:ARG:H	1:A:72:HIS:H	16	13.56
(1,103)	1:A:93:ARG:H	1:B:72:HIS:H	16	13.56
(1,103)	1:B:93:ARG:H	1:A:72:HIS:H	16	13.56
(1,103)	1:B:93:ARG:H	1:B:72:HIS:H	16	13.56
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB2	9	13.55
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB3	9	13.55
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB2	9	13.55
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB3	9	13.55
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB2	9	13.55
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB3	9	13.55
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB2	9	13.55
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB3	9	13.55
(1,453)	1:A:67:LYS:HG2	1:A:45:ARG:HD2	20	13.52
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD2	20	13.52
(1,453)	1:A:67:LYS:HG2	1:B:45:ARG:HD3	20	13.52
(1,453)	1:B:67:LYS:HG2	1:A:45:ARG:HD2	20	13.52
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD2	20	13.52
(1,453)	1:B:67:LYS:HG2	1:B:45:ARG:HD3	20	13.52
(1,352)	1:A:93:ARG:HA	1:A:72:HIS:H	19	13.52
(1,352)	1:A:93:ARG:HA	1:B:72:HIS:H	19	13.52
(1,352)	1:B:93:ARG:HA	1:A:72:HIS:H	19	13.52
(1,352)	1:B:93:ARG:HA	1:B:72:HIS:H	19	13.52
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB2	17	13.49
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB3	17	13.49
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB2	17	13.49
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB3	17	13.49
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB2	17	13.49
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB3	17	13.49
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB2	17	13.49
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB3	17	13.49
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB2	8	13.48
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB3	8	13.48
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB2	8	13.48
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB3	8	13.48
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB2	8	13.48
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB3	8	13.48
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB2	8	13.48
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB3	8	13.48
(1,579)	1:A:61:ILE:HB	1:A:36:LYS:HE2	7	13.47
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE2	7	13.47
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE3	7	13.47
(1,579)	1:B:61:ILE:HB	1:A:36:LYS:HE2	7	13.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE2	7	13.47
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE3	7	13.47
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB2	14	13.46
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB3	14	13.46
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB2	14	13.46
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB3	14	13.46
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB2	14	13.46
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB3	14	13.46
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB2	14	13.46
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB3	14	13.46
(1,422)	1:A:70:SER:HB2	1:A:45:ARG:HD2	19	13.44
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD2	19	13.44
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD3	19	13.44
(1,422)	1:A:70:SER:HB3	1:A:45:ARG:HD2	19	13.44
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD2	19	13.44
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD3	19	13.44
(1,422)	1:B:70:SER:HB2	1:A:45:ARG:HD2	19	13.44
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD2	19	13.44
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD3	19	13.44
(1,422)	1:B:70:SER:HB3	1:A:45:ARG:HD2	19	13.44
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD2	19	13.44
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD3	19	13.44
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB2	16	13.43
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB3	16	13.43
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB2	16	13.43
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB3	16	13.43
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB2	16	13.43
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB3	16	13.43
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB2	16	13.43
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB3	16	13.43
(1,422)	1:A:70:SER:HB2	1:A:45:ARG:HD2	16	13.43
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD2	16	13.43
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD3	16	13.43
(1,422)	1:A:70:SER:HB3	1:A:45:ARG:HD2	16	13.43
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD2	16	13.43
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD3	16	13.43
(1,422)	1:B:70:SER:HB2	1:A:45:ARG:HD2	16	13.43
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD2	16	13.43
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD3	16	13.43
(1,422)	1:B:70:SER:HB3	1:A:45:ARG:HD2	16	13.43
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD2	16	13.43
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD3	16	13.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,103)	1:A:93:ARG:H	1:A:72:HIS:H	8	13.43
(1,103)	1:A:93:ARG:H	1:B:72:HIS:H	8	13.43
(1,103)	1:B:93:ARG:H	1:A:72:HIS:H	8	13.43
(1,103)	1:B:93:ARG:H	1:B:72:HIS:H	8	13.43
(1,103)	1:A:93:ARG:H	1:A:72:HIS:H	20	13.43
(1,103)	1:A:93:ARG:H	1:B:72:HIS:H	20	13.43
(1,103)	1:B:93:ARG:H	1:A:72:HIS:H	20	13.43
(1,103)	1:B:93:ARG:H	1:B:72:HIS:H	20	13.43
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB2	12	13.42
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB3	12	13.42
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB2	12	13.42
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB3	12	13.42
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB2	12	13.42
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB3	12	13.42
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB2	12	13.42
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB3	12	13.42
(1,393)	1:A:93:ARG:H	1:A:71:ARG:H	19	13.42
(1,393)	1:A:93:ARG:H	1:B:71:ARG:H	19	13.42
(1,393)	1:B:93:ARG:H	1:A:71:ARG:H	19	13.42
(1,393)	1:B:93:ARG:H	1:B:71:ARG:H	19	13.42
(1,103)	1:A:93:ARG:H	1:A:72:HIS:H	6	13.42
(1,103)	1:A:93:ARG:H	1:B:72:HIS:H	6	13.42
(1,103)	1:B:93:ARG:H	1:A:72:HIS:H	6	13.42
(1,103)	1:B:93:ARG:H	1:B:72:HIS:H	6	13.42
(1,103)	1:A:93:ARG:H	1:A:72:HIS:H	5	13.41
(1,103)	1:A:93:ARG:H	1:B:72:HIS:H	5	13.41
(1,103)	1:B:93:ARG:H	1:A:72:HIS:H	5	13.41
(1,103)	1:B:93:ARG:H	1:B:72:HIS:H	5	13.41
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB2	11	13.4
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB3	11	13.4
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB2	11	13.4
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB3	11	13.4
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB2	11	13.4
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB3	11	13.4
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB2	11	13.4
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB3	11	13.4
(1,422)	1:A:70:SER:HB2	1:A:45:ARG:HD2	6	13.39
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD2	6	13.39
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD3	6	13.39
(1,422)	1:A:70:SER:HB3	1:A:45:ARG:HD2	6	13.39
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD2	6	13.39
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD3	6	13.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:B:70:SER:HB2	1:A:45:ARG:HD2	6	13.39
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD2	6	13.39
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD3	6	13.39
(1,422)	1:B:70:SER:HB3	1:A:45:ARG:HD2	6	13.39
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD2	6	13.39
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD3	6	13.39
(1,775)	1:A:67:LYS:HG3	1:A:45:ARG:HD2	8	13.36
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD2	8	13.36
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD3	8	13.36
(1,775)	1:B:67:LYS:HG3	1:A:45:ARG:HD2	8	13.36
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD2	8	13.36
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD3	8	13.36
(1,613)	1:A:61:ILE:HG12	1:A:36:LYS:HE2	18	13.36
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE2	18	13.36
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE3	18	13.36
(1,613)	1:A:61:ILE:HG13	1:A:36:LYS:HE2	18	13.36
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE2	18	13.36
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE3	18	13.36
(1,613)	1:A:61:ILE:HG21	1:A:36:LYS:HE2	18	13.36
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE2	18	13.36
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE3	18	13.36
(1,613)	1:A:61:ILE:HG22	1:A:36:LYS:HE2	18	13.36
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE2	18	13.36
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE3	18	13.36
(1,613)	1:A:61:ILE:HG23	1:A:36:LYS:HE2	18	13.36
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE2	18	13.36
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	18	13.36
(1,613)	1:B:61:ILE:HG12	1:A:36:LYS:HE2	18	13.36
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE2	18	13.36
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE3	18	13.36
(1,613)	1:B:61:ILE:HG13	1:A:36:LYS:HE2	18	13.36
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE2	18	13.36
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE3	18	13.36
(1,613)	1:B:61:ILE:HG21	1:A:36:LYS:HE2	18	13.36
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE2	18	13.36
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE3	18	13.36
(1,613)	1:B:61:ILE:HG22	1:A:36:LYS:HE2	18	13.36
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE2	18	13.36
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE3	18	13.36
(1,613)	1:B:61:ILE:HG23	1:A:36:LYS:HE2	18	13.36
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE2	18	13.36
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE3	18	13.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB2	9	13.35
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB3	9	13.35
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB2	9	13.35
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB3	9	13.35
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB2	9	13.35
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB3	9	13.35
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB2	9	13.35
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB3	9	13.35
(1,422)	1:A:70:SER:HB2	1:A:45:ARG:HD2	13	13.35
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD2	13	13.35
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD3	13	13.35
(1,422)	1:A:70:SER:HB3	1:A:45:ARG:HD2	13	13.35
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD2	13	13.35
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD3	13	13.35
(1,422)	1:B:70:SER:HB2	1:A:45:ARG:HD2	13	13.35
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD2	13	13.35
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD3	13	13.35
(1,422)	1:B:70:SER:HB3	1:A:45:ARG:HD2	13	13.35
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD2	13	13.35
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD3	13	13.35
(1,103)	1:A:93:ARG:H	1:A:72:HIS:H	17	13.35
(1,103)	1:A:93:ARG:H	1:B:72:HIS:H	17	13.35
(1,103)	1:B:93:ARG:H	1:A:72:HIS:H	17	13.35
(1,103)	1:B:93:ARG:H	1:B:72:HIS:H	17	13.35
(1,103)	1:A:93:ARG:H	1:A:72:HIS:H	18	13.33
(1,103)	1:A:93:ARG:H	1:B:72:HIS:H	18	13.33
(1,103)	1:B:93:ARG:H	1:A:72:HIS:H	18	13.33
(1,103)	1:B:93:ARG:H	1:B:72:HIS:H	18	13.33
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB2	13	13.32
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB3	13	13.32
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB2	13	13.32
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB3	13	13.32
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB2	13	13.32
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB3	13	13.32
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB2	13	13.32
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB3	13	13.32
(1,103)	1:A:93:ARG:H	1:A:72:HIS:H	4	13.32
(1,103)	1:A:93:ARG:H	1:B:72:HIS:H	4	13.32
(1,103)	1:B:93:ARG:H	1:A:72:HIS:H	4	13.32
(1,103)	1:B:93:ARG:H	1:B:72:HIS:H	4	13.32
(1,422)	1:A:70:SER:HB2	1:A:45:ARG:HD2	11	13.31
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD2	11	13.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD3	11	13.31
(1,422)	1:A:70:SER:HB3	1:A:45:ARG:HD2	11	13.31
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD2	11	13.31
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD3	11	13.31
(1,422)	1:B:70:SER:HB2	1:A:45:ARG:HD2	11	13.31
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD2	11	13.31
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD3	11	13.31
(1,422)	1:B:70:SER:HB3	1:A:45:ARG:HD2	11	13.31
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD2	11	13.31
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD3	11	13.31
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB2	20	13.3
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB3	20	13.3
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB2	20	13.3
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB3	20	13.3
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB2	20	13.3
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB3	20	13.3
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB2	20	13.3
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB3	20	13.3
(1,422)	1:A:70:SER:HB2	1:A:45:ARG:HD2	5	13.3
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD2	5	13.3
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD3	5	13.3
(1,422)	1:A:70:SER:HB3	1:A:45:ARG:HD2	5	13.3
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD2	5	13.3
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD3	5	13.3
(1,422)	1:B:70:SER:HB2	1:A:45:ARG:HD2	5	13.3
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD2	5	13.3
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD3	5	13.3
(1,422)	1:B:70:SER:HB3	1:A:45:ARG:HD2	5	13.3
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD2	5	13.3
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD3	5	13.3
(1,103)	1:A:93:ARG:H	1:A:72:HIS:H	7	13.3
(1,103)	1:A:93:ARG:H	1:B:72:HIS:H	7	13.3
(1,103)	1:B:93:ARG:H	1:A:72:HIS:H	7	13.3
(1,103)	1:B:93:ARG:H	1:B:72:HIS:H	7	13.3
(1,103)	1:A:93:ARG:H	1:A:72:HIS:H	11	13.3
(1,103)	1:A:93:ARG:H	1:B:72:HIS:H	11	13.3
(1,103)	1:B:93:ARG:H	1:A:72:HIS:H	11	13.3
(1,103)	1:B:93:ARG:H	1:B:72:HIS:H	11	13.3
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB2	18	13.27
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB3	18	13.27
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB2	18	13.27
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB3	18	13.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB2	18	13.27
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB3	18	13.27
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB2	18	13.27
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB3	18	13.27
(1,613)	1:A:61:ILE:HG12	1:A:36:LYS:HE2	10	13.27
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE2	10	13.27
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE3	10	13.27
(1,613)	1:A:61:ILE:HG13	1:A:36:LYS:HE2	10	13.27
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE2	10	13.27
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE3	10	13.27
(1,613)	1:A:61:ILE:HG21	1:A:36:LYS:HE2	10	13.27
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE2	10	13.27
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE3	10	13.27
(1,613)	1:A:61:ILE:HG22	1:A:36:LYS:HE2	10	13.27
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE2	10	13.27
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE3	10	13.27
(1,613)	1:A:61:ILE:HG23	1:A:36:LYS:HE2	10	13.27
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE2	10	13.27
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	10	13.27
(1,613)	1:B:61:ILE:HG12	1:A:36:LYS:HE2	10	13.27
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE2	10	13.27
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE3	10	13.27
(1,613)	1:B:61:ILE:HG13	1:A:36:LYS:HE2	10	13.27
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE2	10	13.27
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE3	10	13.27
(1,613)	1:B:61:ILE:HG21	1:A:36:LYS:HE2	10	13.27
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE2	10	13.27
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE3	10	13.27
(1,613)	1:B:61:ILE:HG22	1:A:36:LYS:HE2	10	13.27
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE2	10	13.27
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE3	10	13.27
(1,613)	1:B:61:ILE:HG23	1:A:36:LYS:HE2	10	13.27
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE2	10	13.27
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE3	10	13.27
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB2	5	13.25
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB3	5	13.25
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB2	5	13.25
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB3	5	13.25
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB2	5	13.25
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB3	5	13.25
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB2	5	13.25
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB3	5	13.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:A:61:ILE:HB	1:A:36:LYS:HE2	2	13.25
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE2	2	13.25
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE3	2	13.25
(1,579)	1:B:61:ILE:HB	1:A:36:LYS:HE2	2	13.25
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE2	2	13.25
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE3	2	13.25
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB2	1	13.24
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB3	1	13.24
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB2	1	13.24
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB3	1	13.24
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB2	1	13.24
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB3	1	13.24
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB2	1	13.24
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB3	1	13.24
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG2	9	13.23
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG3	9	13.23
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG2	9	13.23
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG3	9	13.23
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG2	9	13.23
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG3	9	13.23
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG2	9	13.23
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG3	9	13.23
(1,604)	1:A:61:ILE:HD11	1:A:36:LYS:HE2	2	13.23
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE2	2	13.23
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE3	2	13.23
(1,604)	1:A:61:ILE:HD12	1:A:36:LYS:HE2	2	13.23
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE2	2	13.23
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE3	2	13.23
(1,604)	1:A:61:ILE:HD13	1:A:36:LYS:HE2	2	13.23
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE2	2	13.23
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE3	2	13.23
(1,604)	1:B:61:ILE:HD11	1:A:36:LYS:HE2	2	13.23
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE2	2	13.23
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE3	2	13.23
(1,604)	1:B:61:ILE:HD12	1:A:36:LYS:HE2	2	13.23
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE2	2	13.23
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE3	2	13.23
(1,604)	1:B:61:ILE:HD13	1:A:36:LYS:HE2	2	13.23
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE2	2	13.23
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE3	2	13.23
(1,468)	1:A:70:SER:HA	1:A:45:ARG:HD2	20	13.23
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD2	20	13.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD3	20	13.23
(1,468)	1:B:70:SER:HA	1:A:45:ARG:HD2	20	13.23
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD2	20	13.23
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD3	20	13.23
(1,775)	1:A:67:LYS:HG3	1:A:45:ARG:HD2	3	13.22
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD2	3	13.22
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD3	3	13.22
(1,775)	1:B:67:LYS:HG3	1:A:45:ARG:HD2	3	13.22
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD2	3	13.22
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD3	3	13.22
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB2	2	13.21
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB3	2	13.21
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB2	2	13.21
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB3	2	13.21
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB2	2	13.21
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB3	2	13.21
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB2	2	13.21
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB3	2	13.21
(1,579)	1:A:61:ILE:HB	1:A:36:LYS:HE2	5	13.21
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE2	5	13.21
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE3	5	13.21
(1,579)	1:B:61:ILE:HB	1:A:36:LYS:HE2	5	13.21
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE2	5	13.21
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE3	5	13.21
(1,604)	1:A:61:ILE:HD11	1:A:36:LYS:HE2	1	13.19
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE2	1	13.19
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE3	1	13.19
(1,604)	1:A:61:ILE:HD12	1:A:36:LYS:HE2	1	13.19
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE2	1	13.19
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE3	1	13.19
(1,604)	1:A:61:ILE:HD13	1:A:36:LYS:HE2	1	13.19
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE2	1	13.19
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE3	1	13.19
(1,604)	1:B:61:ILE:HD11	1:A:36:LYS:HE2	1	13.19
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE2	1	13.19
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE3	1	13.19
(1,604)	1:B:61:ILE:HD12	1:A:36:LYS:HE2	1	13.19
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE2	1	13.19
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE3	1	13.19
(1,604)	1:B:61:ILE:HD13	1:A:36:LYS:HE2	1	13.19
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE2	1	13.19
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE3	1	13.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,775)	1:A:67:LYS:HG3	1:A:45:ARG:HD2	15	13.18
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD2	15	13.18
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD3	15	13.18
(1,775)	1:B:67:LYS:HG3	1:A:45:ARG:HD2	15	13.18
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD2	15	13.18
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD3	15	13.18
(1,775)	1:A:67:LYS:HG3	1:A:45:ARG:HD2	17	13.18
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD2	17	13.18
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD3	17	13.18
(1,775)	1:B:67:LYS:HG3	1:A:45:ARG:HD2	17	13.18
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD2	17	13.18
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD3	17	13.18
(1,863)	1:A:95:GLN:HB2	1:A:71:ARG:H	9	13.15
(1,863)	1:A:95:GLN:HB2	1:B:71:ARG:H	9	13.15
(1,863)	1:A:95:GLN:HB3	1:A:71:ARG:H	9	13.15
(1,863)	1:A:95:GLN:HB3	1:B:71:ARG:H	9	13.15
(1,863)	1:B:95:GLN:HB2	1:A:71:ARG:H	9	13.15
(1,863)	1:B:95:GLN:HB2	1:B:71:ARG:H	9	13.15
(1,863)	1:B:95:GLN:HB3	1:A:71:ARG:H	9	13.15
(1,863)	1:B:95:GLN:HB3	1:B:71:ARG:H	9	13.15
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG2	12	13.15
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG3	12	13.15
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG2	12	13.15
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG3	12	13.15
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG2	12	13.15
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG3	12	13.15
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG2	12	13.15
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG3	12	13.15
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG2	15	13.15
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG3	15	13.15
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG2	15	13.15
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG3	15	13.15
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG2	15	13.15
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG3	15	13.15
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG2	15	13.15
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG3	15	13.15
(1,51)	1:A:43:GLU:HG2	1:A:72:HIS:H	4	13.14
(1,51)	1:A:43:GLU:HG2	1:B:72:HIS:H	4	13.14
(1,51)	1:B:43:GLU:HG2	1:A:72:HIS:H	4	13.14
(1,51)	1:B:43:GLU:HG2	1:B:72:HIS:H	4	13.14
(1,51)	1:B:43:GLU:HG3	1:A:72:HIS:H	4	13.14
(1,51)	1:B:43:GLU:HG3	1:B:72:HIS:H	4	13.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:A:43:GLU:HG2	1:A:72:HIS:H	20	13.14
(1,51)	1:A:43:GLU:HG2	1:B:72:HIS:H	20	13.14
(1,51)	1:B:43:GLU:HG2	1:A:72:HIS:H	20	13.14
(1,51)	1:B:43:GLU:HG2	1:B:72:HIS:H	20	13.14
(1,51)	1:B:43:GLU:HG3	1:A:72:HIS:H	20	13.14
(1,51)	1:B:43:GLU:HG3	1:B:72:HIS:H	20	13.14
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG2	12	13.12
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG3	12	13.12
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG2	12	13.12
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG3	12	13.12
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG2	12	13.12
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG3	12	13.12
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG2	12	13.12
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG3	12	13.12
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB2	5	13.09
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB3	5	13.09
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB2	5	13.09
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB3	5	13.09
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB2	5	13.09
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB3	5	13.09
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB2	5	13.09
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB3	5	13.09
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB2	15	13.09
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB3	15	13.09
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB2	15	13.09
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB3	15	13.09
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB2	15	13.09
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB3	15	13.09
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB2	15	13.09
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB3	15	13.09
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB2	6	13.04
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB3	6	13.04
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB2	6	13.04
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB3	6	13.04
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB2	6	13.04
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB3	6	13.04
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB2	6	13.04
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB3	6	13.04
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG2	2	13.04
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG3	2	13.04
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG2	2	13.04
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG3	2	13.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG2	2	13.04
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG3	2	13.04
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG2	2	13.04
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG3	2	13.04
(1,51)	1:A:43:GLU:HG2	1:A:72:HIS:H	8	13.01
(1,51)	1:A:43:GLU:HG2	1:B:72:HIS:H	8	13.01
(1,51)	1:B:43:GLU:HG2	1:A:72:HIS:H	8	13.01
(1,51)	1:B:43:GLU:HG2	1:B:72:HIS:H	8	13.01
(1,51)	1:B:43:GLU:HG3	1:A:72:HIS:H	8	13.01
(1,51)	1:B:43:GLU:HG3	1:B:72:HIS:H	8	13.01
(1,468)	1:A:70:SER:HA	1:A:45:ARG:HD2	7	13.0
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD2	7	13.0
(1,468)	1:A:70:SER:HA	1:B:45:ARG:HD3	7	13.0
(1,468)	1:B:70:SER:HA	1:A:45:ARG:HD2	7	13.0
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD2	7	13.0
(1,468)	1:B:70:SER:HA	1:B:45:ARG:HD3	7	13.0
(1,775)	1:A:67:LYS:HG3	1:A:45:ARG:HD2	7	12.98
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD2	7	12.98
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD3	7	12.98
(1,775)	1:B:67:LYS:HG3	1:A:45:ARG:HD2	7	12.98
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD2	7	12.98
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD3	7	12.98
(1,51)	1:A:43:GLU:HG2	1:A:72:HIS:H	6	12.98
(1,51)	1:A:43:GLU:HG2	1:B:72:HIS:H	6	12.98
(1,51)	1:B:43:GLU:HG2	1:A:72:HIS:H	6	12.98
(1,51)	1:B:43:GLU:HG2	1:B:72:HIS:H	6	12.98
(1,51)	1:B:43:GLU:HG3	1:A:72:HIS:H	6	12.98
(1,51)	1:B:43:GLU:HG3	1:B:72:HIS:H	6	12.98
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG2	9	12.96
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG3	9	12.96
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG2	9	12.96
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG3	9	12.96
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG2	9	12.96
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG3	9	12.96
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG2	9	12.96
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG3	9	12.96
(1,422)	1:A:70:SER:HB2	1:A:45:ARG:HD2	3	12.94
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD2	3	12.94
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD3	3	12.94
(1,422)	1:A:70:SER:HB3	1:A:45:ARG:HD2	3	12.94
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD2	3	12.94
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD3	3	12.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:B:70:SER:HB2	1:A:45:ARG:HD2	3	12.94
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD2	3	12.94
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD3	3	12.94
(1,422)	1:B:70:SER:HB3	1:A:45:ARG:HD2	3	12.94
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD2	3	12.94
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD3	3	12.94
(1,103)	1:A:93:ARG:H	1:A:72:HIS:H	10	12.94
(1,103)	1:A:93:ARG:H	1:B:72:HIS:H	10	12.94
(1,103)	1:B:93:ARG:H	1:A:72:HIS:H	10	12.94
(1,103)	1:B:93:ARG:H	1:B:72:HIS:H	10	12.94
(1,775)	1:A:67:LYS:HG3	1:A:45:ARG:HD2	20	12.93
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD2	20	12.93
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD3	20	12.93
(1,775)	1:B:67:LYS:HG3	1:A:45:ARG:HD2	20	12.93
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD2	20	12.93
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD3	20	12.93
(1,51)	1:A:43:GLU:HG2	1:A:72:HIS:H	3	12.93
(1,51)	1:A:43:GLU:HG2	1:B:72:HIS:H	3	12.93
(1,51)	1:B:43:GLU:HG2	1:A:72:HIS:H	3	12.93
(1,51)	1:B:43:GLU:HG2	1:B:72:HIS:H	3	12.93
(1,51)	1:B:43:GLU:HG3	1:A:72:HIS:H	3	12.93
(1,51)	1:B:43:GLU:HG3	1:B:72:HIS:H	3	12.93
(1,775)	1:A:67:LYS:HG3	1:A:45:ARG:HD2	10	12.92
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD2	10	12.92
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD3	10	12.92
(1,775)	1:B:67:LYS:HG3	1:A:45:ARG:HD2	10	12.92
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD2	10	12.92
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD3	10	12.92
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG2	1	12.92
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG3	1	12.92
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG2	1	12.92
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG3	1	12.92
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG2	1	12.92
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG3	1	12.92
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG2	1	12.92
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG3	1	12.92
(1,579)	1:A:61:ILE:HB	1:A:36:LYS:HE2	19	12.92
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE2	19	12.92
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE3	19	12.92
(1,579)	1:B:61:ILE:HB	1:A:36:LYS:HE2	19	12.92
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE2	19	12.92
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE3	19	12.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:A:70:SER:HB2	1:A:45:ARG:HD2	18	12.91
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD2	18	12.91
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD3	18	12.91
(1,422)	1:A:70:SER:HB3	1:A:45:ARG:HD2	18	12.91
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD2	18	12.91
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD3	18	12.91
(1,422)	1:B:70:SER:HB2	1:A:45:ARG:HD2	18	12.91
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD2	18	12.91
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD3	18	12.91
(1,422)	1:B:70:SER:HB3	1:A:45:ARG:HD2	18	12.91
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD2	18	12.91
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD3	18	12.91
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB2	19	12.9
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB3	19	12.9
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB2	19	12.9
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB3	19	12.9
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB2	19	12.9
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB3	19	12.9
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB2	19	12.9
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB3	19	12.9
(1,515)	1:A:36:LYS:HE2	1:A:62:LEU:H	7	12.9
(1,515)	1:A:36:LYS:HE2	1:B:62:LEU:H	7	12.9
(1,515)	1:B:36:LYS:HE2	1:A:62:LEU:H	7	12.9
(1,515)	1:B:36:LYS:HE2	1:B:62:LEU:H	7	12.9
(1,515)	1:B:36:LYS:HE3	1:A:62:LEU:H	7	12.9
(1,515)	1:B:36:LYS:HE3	1:B:62:LEU:H	7	12.9
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB2	10	12.89
(1,860)	1:A:94:ALA:HA	1:A:72:HIS:HB3	10	12.89
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB2	10	12.89
(1,860)	1:A:94:ALA:HA	1:B:72:HIS:HB3	10	12.89
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB2	10	12.89
(1,860)	1:B:94:ALA:HA	1:A:72:HIS:HB3	10	12.89
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB2	10	12.89
(1,860)	1:B:94:ALA:HA	1:B:72:HIS:HB3	10	12.89
(1,604)	1:A:61:ILE:HD11	1:A:36:LYS:HE2	7	12.88
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE2	7	12.88
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE3	7	12.88
(1,604)	1:A:61:ILE:HD12	1:A:36:LYS:HE2	7	12.88
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE2	7	12.88
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE3	7	12.88
(1,604)	1:A:61:ILE:HD13	1:A:36:LYS:HE2	7	12.88
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE2	7	12.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE3	7	12.88
(1,604)	1:B:61:ILE:HD11	1:A:36:LYS:HE2	7	12.88
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE2	7	12.88
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE3	7	12.88
(1,604)	1:B:61:ILE:HD12	1:A:36:LYS:HE2	7	12.88
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE2	7	12.88
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE3	7	12.88
(1,604)	1:B:61:ILE:HD13	1:A:36:LYS:HE2	7	12.88
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE2	7	12.88
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE3	7	12.88
(1,51)	1:A:43:GLU:HG2	1:A:72:HIS:H	17	12.86
(1,51)	1:A:43:GLU:HG2	1:B:72:HIS:H	17	12.86
(1,51)	1:B:43:GLU:HG2	1:A:72:HIS:H	17	12.86
(1,51)	1:B:43:GLU:HG2	1:B:72:HIS:H	17	12.86
(1,51)	1:B:43:GLU:HG3	1:A:72:HIS:H	17	12.86
(1,51)	1:B:43:GLU:HG3	1:B:72:HIS:H	17	12.86
(1,422)	1:A:70:SER:HB2	1:A:45:ARG:HD2	8	12.86
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD2	8	12.86
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD3	8	12.86
(1,422)	1:A:70:SER:HB3	1:A:45:ARG:HD2	8	12.86
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD2	8	12.86
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD3	8	12.86
(1,422)	1:B:70:SER:HB2	1:A:45:ARG:HD2	8	12.86
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD2	8	12.86
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD3	8	12.86
(1,422)	1:B:70:SER:HB3	1:A:45:ARG:HD2	8	12.86
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD2	8	12.86
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD3	8	12.86
(1,51)	1:A:43:GLU:HG2	1:A:72:HIS:H	5	12.85
(1,51)	1:A:43:GLU:HG2	1:B:72:HIS:H	5	12.85
(1,51)	1:B:43:GLU:HG2	1:A:72:HIS:H	5	12.85
(1,51)	1:B:43:GLU:HG2	1:B:72:HIS:H	5	12.85
(1,51)	1:B:43:GLU:HG3	1:A:72:HIS:H	5	12.85
(1,51)	1:B:43:GLU:HG3	1:B:72:HIS:H	5	12.85
(1,103)	1:A:93:ARG:H	1:A:72:HIS:H	13	12.85
(1,103)	1:A:93:ARG:H	1:B:72:HIS:H	13	12.85
(1,103)	1:B:93:ARG:H	1:A:72:HIS:H	13	12.85
(1,103)	1:B:93:ARG:H	1:B:72:HIS:H	13	12.85
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG2	15	12.82
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG3	15	12.82
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG2	15	12.82
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG3	15	12.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG2	15	12.82
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG3	15	12.82
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG2	15	12.82
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG3	15	12.82
(1,51)	1:A:43:GLU:HG2	1:A:72:HIS:H	18	12.82
(1,51)	1:A:43:GLU:HG2	1:B:72:HIS:H	18	12.82
(1,51)	1:B:43:GLU:HG2	1:A:72:HIS:H	18	12.82
(1,51)	1:B:43:GLU:HG2	1:B:72:HIS:H	18	12.82
(1,51)	1:B:43:GLU:HG3	1:A:72:HIS:H	18	12.82
(1,51)	1:B:43:GLU:HG3	1:B:72:HIS:H	18	12.82
(1,775)	1:A:67:LYS:HG3	1:A:45:ARG:HD2	16	12.81
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD2	16	12.81
(1,775)	1:A:67:LYS:HG3	1:B:45:ARG:HD3	16	12.81
(1,775)	1:B:67:LYS:HG3	1:A:45:ARG:HD2	16	12.81
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD2	16	12.81
(1,775)	1:B:67:LYS:HG3	1:B:45:ARG:HD3	16	12.81
(1,604)	1:A:61:ILE:HD11	1:A:36:LYS:HE2	19	12.8
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE2	19	12.8
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE3	19	12.8
(1,604)	1:A:61:ILE:HD12	1:A:36:LYS:HE2	19	12.8
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE2	19	12.8
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE3	19	12.8
(1,604)	1:A:61:ILE:HD13	1:A:36:LYS:HE2	19	12.8
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE2	19	12.8
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE3	19	12.8
(1,604)	1:B:61:ILE:HD11	1:A:36:LYS:HE2	19	12.8
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE2	19	12.8
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE3	19	12.8
(1,604)	1:B:61:ILE:HD12	1:A:36:LYS:HE2	19	12.8
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE2	19	12.8
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE3	19	12.8
(1,604)	1:B:61:ILE:HD13	1:A:36:LYS:HE2	19	12.8
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE2	19	12.8
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE3	19	12.8
(1,422)	1:A:70:SER:HB2	1:A:45:ARG:HD2	15	12.8
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD2	15	12.8
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD3	15	12.8
(1,422)	1:A:70:SER:HB3	1:A:45:ARG:HD2	15	12.8
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD2	15	12.8
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD3	15	12.8
(1,422)	1:B:70:SER:HB2	1:A:45:ARG:HD2	15	12.8
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD2	15	12.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD3	15	12.8
(1,422)	1:B:70:SER:HB3	1:A:45:ARG:HD2	15	12.8
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD2	15	12.8
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD3	15	12.8
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG2	2	12.8
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG3	2	12.8
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG2	2	12.8
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG3	2	12.8
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG2	2	12.8
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG3	2	12.8
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG2	2	12.8
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG3	2	12.8
(1,613)	1:A:61:ILE:HG12	1:A:36:LYS:HE2	20	12.79
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE2	20	12.79
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE3	20	12.79
(1,613)	1:A:61:ILE:HG13	1:A:36:LYS:HE2	20	12.79
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE2	20	12.79
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE3	20	12.79
(1,613)	1:A:61:ILE:HG21	1:A:36:LYS:HE2	20	12.79
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE2	20	12.79
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE3	20	12.79
(1,613)	1:A:61:ILE:HG22	1:A:36:LYS:HE2	20	12.79
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE2	20	12.79
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE3	20	12.79
(1,613)	1:A:61:ILE:HG23	1:A:36:LYS:HE2	20	12.79
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE2	20	12.79
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	20	12.79
(1,613)	1:B:61:ILE:HG12	1:A:36:LYS:HE2	20	12.79
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE2	20	12.79
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE3	20	12.79
(1,613)	1:B:61:ILE:HG13	1:A:36:LYS:HE2	20	12.79
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE2	20	12.79
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE3	20	12.79
(1,613)	1:B:61:ILE:HG21	1:A:36:LYS:HE2	20	12.79
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE2	20	12.79
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE3	20	12.79
(1,613)	1:B:61:ILE:HG22	1:A:36:LYS:HE2	20	12.79
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE2	20	12.79
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE3	20	12.79
(1,613)	1:B:61:ILE:HG23	1:A:36:LYS:HE2	20	12.79
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE2	20	12.79
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE3	20	12.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG2	1	12.79
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG3	1	12.79
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG2	1	12.79
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG3	1	12.79
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG2	1	12.79
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG3	1	12.79
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG2	1	12.79
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG3	1	12.79
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB2	6	12.78
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB3	6	12.78
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB2	6	12.78
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB3	6	12.78
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB2	6	12.78
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB3	6	12.78
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB2	6	12.78
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB3	6	12.78
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG2	6	12.78
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG3	6	12.78
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG2	6	12.78
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG3	6	12.78
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG2	6	12.78
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG3	6	12.78
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG2	6	12.78
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG3	6	12.78
(1,579)	1:A:61:ILE:HB	1:A:36:LYS:HE2	14	12.74
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE2	14	12.74
(1,579)	1:A:61:ILE:HB	1:B:36:LYS:HE3	14	12.74
(1,579)	1:B:61:ILE:HB	1:A:36:LYS:HE2	14	12.74
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE2	14	12.74
(1,579)	1:B:61:ILE:HB	1:B:36:LYS:HE3	14	12.74
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG2	12	12.73
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG3	12	12.73
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG2	12	12.73
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG3	12	12.73
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG2	12	12.73
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG3	12	12.73
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG2	12	12.73
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG3	12	12.73
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG2	15	12.73
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG3	15	12.73
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG2	15	12.73
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG3	15	12.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG2	15	12.73
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG3	15	12.73
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG2	15	12.73
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG3	15	12.73
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG2	5	12.71
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG3	5	12.71
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG2	5	12.71
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG3	5	12.71
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG2	5	12.71
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG3	5	12.71
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG2	5	12.71
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG3	5	12.71
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB2	20	12.7
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB3	20	12.7
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB2	20	12.7
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB3	20	12.7
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB2	20	12.7
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB3	20	12.7
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB2	20	12.7
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB3	20	12.7
(1,515)	1:A:36:LYS:HE2	1:A:62:LEU:H	1	12.69
(1,515)	1:A:36:LYS:HE2	1:B:62:LEU:H	1	12.69
(1,515)	1:B:36:LYS:HE2	1:A:62:LEU:H	1	12.69
(1,515)	1:B:36:LYS:HE2	1:B:62:LEU:H	1	12.69
(1,515)	1:B:36:LYS:HE3	1:A:62:LEU:H	1	12.69
(1,515)	1:B:36:LYS:HE3	1:B:62:LEU:H	1	12.69
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB2	14	12.66
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB3	14	12.66
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB2	14	12.66
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB3	14	12.66
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB2	14	12.66
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB3	14	12.66
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB2	14	12.66
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB3	14	12.66
(1,103)	1:A:93:ARG:H	1:A:72:HIS:H	19	12.66
(1,103)	1:A:93:ARG:H	1:B:72:HIS:H	19	12.66
(1,103)	1:B:93:ARG:H	1:A:72:HIS:H	19	12.66
(1,103)	1:B:93:ARG:H	1:B:72:HIS:H	19	12.66
(1,51)	1:A:43:GLU:HG2	1:A:72:HIS:H	19	12.65
(1,51)	1:A:43:GLU:HG2	1:B:72:HIS:H	19	12.65
(1,51)	1:B:43:GLU:HG2	1:A:72:HIS:H	19	12.65
(1,51)	1:B:43:GLU:HG2	1:B:72:HIS:H	19	12.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:B:43:GLU:HG3	1:A:72:HIS:H	19	12.65
(1,51)	1:B:43:GLU:HG3	1:B:72:HIS:H	19	12.65
(1,51)	1:A:43:GLU:HG2	1:A:72:HIS:H	9	12.64
(1,51)	1:A:43:GLU:HG2	1:B:72:HIS:H	9	12.64
(1,51)	1:B:43:GLU:HG2	1:A:72:HIS:H	9	12.64
(1,51)	1:B:43:GLU:HG2	1:B:72:HIS:H	9	12.64
(1,51)	1:B:43:GLU:HG3	1:A:72:HIS:H	9	12.64
(1,51)	1:B:43:GLU:HG3	1:B:72:HIS:H	9	12.64
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB2	16	12.61
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB3	16	12.61
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB2	16	12.61
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB3	16	12.61
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB2	16	12.61
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB3	16	12.61
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB2	16	12.61
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB3	16	12.61
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG2	12	12.61
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG3	12	12.61
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG2	12	12.61
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG3	12	12.61
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG2	12	12.61
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG3	12	12.61
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG2	12	12.61
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG3	12	12.61
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG2	6	12.61
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG3	6	12.61
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG2	6	12.61
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG3	6	12.61
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG2	6	12.61
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG3	6	12.61
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG2	6	12.61
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG3	6	12.61
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG2	14	12.6
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG3	14	12.6
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG2	14	12.6
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG3	14	12.6
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG2	14	12.6
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG3	14	12.6
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG2	14	12.6
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG3	14	12.6
(1,422)	1:A:70:SER:HB2	1:A:45:ARG:HD2	10	12.6
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD2	10	12.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD3	10	12.6
(1,422)	1:A:70:SER:HB3	1:A:45:ARG:HD2	10	12.6
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD2	10	12.6
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD3	10	12.6
(1,422)	1:B:70:SER:HB2	1:A:45:ARG:HD2	10	12.6
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD2	10	12.6
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD3	10	12.6
(1,422)	1:B:70:SER:HB3	1:A:45:ARG:HD2	10	12.6
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD2	10	12.6
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD3	10	12.6
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG2	1	12.59
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG3	1	12.59
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG2	1	12.59
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG3	1	12.59
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG2	1	12.59
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG3	1	12.59
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG2	1	12.59
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG3	1	12.59
(1,51)	1:A:43:GLU:HG2	1:A:72:HIS:H	14	12.59
(1,51)	1:A:43:GLU:HG2	1:B:72:HIS:H	14	12.59
(1,51)	1:B:43:GLU:HG2	1:A:72:HIS:H	14	12.59
(1,51)	1:B:43:GLU:HG2	1:B:72:HIS:H	14	12.59
(1,51)	1:B:43:GLU:HG3	1:A:72:HIS:H	14	12.59
(1,51)	1:B:43:GLU:HG3	1:B:72:HIS:H	14	12.59
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG2	2	12.58
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG3	2	12.58
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG2	2	12.58
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG3	2	12.58
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG2	2	12.58
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG3	2	12.58
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG2	2	12.58
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG3	2	12.58
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB2	4	12.57
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB3	4	12.57
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB2	4	12.57
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB3	4	12.57
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB2	4	12.57
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB3	4	12.57
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB2	4	12.57
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB3	4	12.57
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG2	4	12.57
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG3	4	12.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG2	4	12.57
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG3	4	12.57
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG2	4	12.57
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG3	4	12.57
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG2	4	12.57
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG3	4	12.57
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG2	9	12.55
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG3	9	12.55
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG2	9	12.55
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG3	9	12.55
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG2	9	12.55
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG3	9	12.55
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG2	9	12.55
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG3	9	12.55
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG2	17	12.53
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG3	17	12.53
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG2	17	12.53
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG3	17	12.53
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG2	17	12.53
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG3	17	12.53
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG2	17	12.53
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG3	17	12.53
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB2	3	12.51
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB3	3	12.51
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB2	3	12.51
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB3	3	12.51
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB2	3	12.51
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB3	3	12.51
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB2	3	12.51
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB3	3	12.51
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB2	17	12.51
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB3	17	12.51
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB2	17	12.51
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB3	17	12.51
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB2	17	12.51
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB3	17	12.51
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB2	17	12.51
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB3	17	12.51
(1,515)	1:A:36:LYS:HE2	1:A:62:LEU:H	5	12.51
(1,515)	1:A:36:LYS:HE2	1:B:62:LEU:H	5	12.51
(1,515)	1:B:36:LYS:HE2	1:A:62:LEU:H	5	12.51
(1,515)	1:B:36:LYS:HE2	1:B:62:LEU:H	5	12.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,515)	1:B:36:LYS:HE3	1:A:62:LEU:H	5	12.51
(1,515)	1:B:36:LYS:HE3	1:B:62:LEU:H	5	12.51
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG2	6	12.5
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG3	6	12.5
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG2	6	12.5
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG3	6	12.5
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG2	6	12.5
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG3	6	12.5
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG2	6	12.5
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG3	6	12.5
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG2	16	12.5
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG3	16	12.5
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG2	16	12.5
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG3	16	12.5
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG2	16	12.5
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG3	16	12.5
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG2	16	12.5
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG3	16	12.5
(1,515)	1:A:36:LYS:HE2	1:A:62:LEU:H	14	12.49
(1,515)	1:A:36:LYS:HE2	1:B:62:LEU:H	14	12.49
(1,515)	1:B:36:LYS:HE2	1:A:62:LEU:H	14	12.49
(1,515)	1:B:36:LYS:HE2	1:B:62:LEU:H	14	12.49
(1,515)	1:B:36:LYS:HE3	1:A:62:LEU:H	14	12.49
(1,515)	1:B:36:LYS:HE3	1:B:62:LEU:H	14	12.49
(1,51)	1:A:43:GLU:HG2	1:A:72:HIS:H	11	12.48
(1,51)	1:A:43:GLU:HG2	1:B:72:HIS:H	11	12.48
(1,51)	1:B:43:GLU:HG2	1:A:72:HIS:H	11	12.48
(1,51)	1:B:43:GLU:HG2	1:B:72:HIS:H	11	12.48
(1,51)	1:B:43:GLU:HG3	1:A:72:HIS:H	11	12.48
(1,51)	1:B:43:GLU:HG3	1:B:72:HIS:H	11	12.48
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB2	7	12.45
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB3	7	12.45
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB2	7	12.45
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB3	7	12.45
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB2	7	12.45
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB3	7	12.45
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB2	7	12.45
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB3	7	12.45
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG2	16	12.43
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG3	16	12.43
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG2	16	12.43
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG3	16	12.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG2	16	12.43
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG3	16	12.43
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG2	16	12.43
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG3	16	12.43
(1,422)	1:A:70:SER:HB2	1:A:45:ARG:HD2	17	12.43
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD2	17	12.43
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD3	17	12.43
(1,422)	1:A:70:SER:HB3	1:A:45:ARG:HD2	17	12.43
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD2	17	12.43
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD3	17	12.43
(1,422)	1:B:70:SER:HB2	1:A:45:ARG:HD2	17	12.43
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD2	17	12.43
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD3	17	12.43
(1,422)	1:B:70:SER:HB3	1:A:45:ARG:HD2	17	12.43
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD2	17	12.43
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD3	17	12.43
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG2	3	12.42
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG3	3	12.42
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG2	3	12.42
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG3	3	12.42
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG2	3	12.42
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG3	3	12.42
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG2	3	12.42
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG3	3	12.42
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG2	11	12.4
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG3	11	12.4
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG2	11	12.4
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG3	11	12.4
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG2	11	12.4
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG3	11	12.4
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG2	11	12.4
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG3	11	12.4
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG2	7	12.38
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG3	7	12.38
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG2	7	12.38
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG3	7	12.38
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG2	7	12.38
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG3	7	12.38
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG2	7	12.38
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG3	7	12.38
(1,422)	1:A:70:SER:HB2	1:A:45:ARG:HD2	20	12.38
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD2	20	12.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD3	20	12.38
(1,422)	1:A:70:SER:HB3	1:A:45:ARG:HD2	20	12.38
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD2	20	12.38
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD3	20	12.38
(1,422)	1:B:70:SER:HB2	1:A:45:ARG:HD2	20	12.38
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD2	20	12.38
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD3	20	12.38
(1,422)	1:B:70:SER:HB3	1:A:45:ARG:HD2	20	12.38
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD2	20	12.38
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD3	20	12.38
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG2	5	12.38
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG3	5	12.38
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG2	5	12.38
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG3	5	12.38
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG2	5	12.38
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG3	5	12.38
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG2	5	12.38
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG3	5	12.38
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG2	18	12.38
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG3	18	12.38
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG2	18	12.38
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG3	18	12.38
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG2	18	12.38
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG3	18	12.38
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG2	18	12.38
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG3	18	12.38
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG2	5	12.37
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG3	5	12.37
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG2	5	12.37
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG3	5	12.37
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG2	5	12.37
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG3	5	12.37
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG2	5	12.37
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG3	5	12.37
(1,604)	1:A:61:ILE:HD11	1:A:36:LYS:HE2	5	12.37
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE2	5	12.37
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE3	5	12.37
(1,604)	1:A:61:ILE:HD12	1:A:36:LYS:HE2	5	12.37
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE2	5	12.37
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE3	5	12.37
(1,604)	1:A:61:ILE:HD13	1:A:36:LYS:HE2	5	12.37
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE2	5	12.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE3	5	12.37
(1,604)	1:B:61:ILE:HD11	1:A:36:LYS:HE2	5	12.37
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE2	5	12.37
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE3	5	12.37
(1,604)	1:B:61:ILE:HD12	1:A:36:LYS:HE2	5	12.37
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE2	5	12.37
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE3	5	12.37
(1,604)	1:B:61:ILE:HD13	1:A:36:LYS:HE2	5	12.37
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE2	5	12.37
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE3	5	12.37
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG2	20	12.36
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG3	20	12.36
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG2	20	12.36
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG3	20	12.36
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG2	20	12.36
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG3	20	12.36
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG2	20	12.36
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG3	20	12.36
(1,422)	1:A:70:SER:HB2	1:A:45:ARG:HD2	14	12.36
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD2	14	12.36
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD3	14	12.36
(1,422)	1:A:70:SER:HB3	1:A:45:ARG:HD2	14	12.36
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD2	14	12.36
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD3	14	12.36
(1,422)	1:B:70:SER:HB2	1:A:45:ARG:HD2	14	12.36
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD2	14	12.36
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD3	14	12.36
(1,422)	1:B:70:SER:HB3	1:A:45:ARG:HD2	14	12.36
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD2	14	12.36
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD3	14	12.36
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG2	4	12.36
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG3	4	12.36
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG2	4	12.36
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG3	4	12.36
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG2	4	12.36
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG3	4	12.36
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG2	4	12.36
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG3	4	12.36
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG2	7	12.36
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG3	7	12.36
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG2	7	12.36
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG3	7	12.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG2	7	12.36
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG3	7	12.36
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG2	7	12.36
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG3	7	12.36
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG2	1	12.35
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG3	1	12.35
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG2	1	12.35
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG3	1	12.35
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG2	1	12.35
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG3	1	12.35
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG2	1	12.35
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG3	1	12.35
(1,51)	1:A:43:GLU:HG2	1:A:72:HIS:H	13	12.35
(1,51)	1:A:43:GLU:HG2	1:B:72:HIS:H	13	12.35
(1,51)	1:B:43:GLU:HG2	1:A:72:HIS:H	13	12.35
(1,51)	1:B:43:GLU:HG2	1:B:72:HIS:H	13	12.35
(1,51)	1:B:43:GLU:HG3	1:A:72:HIS:H	13	12.35
(1,51)	1:B:43:GLU:HG3	1:B:72:HIS:H	13	12.35
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG2	14	12.35
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG3	14	12.35
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG2	14	12.35
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG3	14	12.35
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG2	14	12.35
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG3	14	12.35
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG2	14	12.35
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG3	14	12.35
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG2	17	12.35
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG3	17	12.35
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG2	17	12.35
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG3	17	12.35
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG2	17	12.35
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG3	17	12.35
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG2	17	12.35
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG3	17	12.35
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG2	20	12.35
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG3	20	12.35
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG2	20	12.35
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG3	20	12.35
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG2	20	12.35
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG3	20	12.35
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG2	20	12.35
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG3	20	12.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG2	3	12.34
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG3	3	12.34
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG2	3	12.34
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG3	3	12.34
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG2	3	12.34
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG3	3	12.34
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG2	3	12.34
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG3	3	12.34
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG2	13	12.34
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG3	13	12.34
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG2	13	12.34
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG3	13	12.34
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG2	13	12.34
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG3	13	12.34
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG2	13	12.34
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG3	13	12.34
(1,51)	1:A:43:GLU:HG2	1:A:72:HIS:H	15	12.34
(1,51)	1:A:43:GLU:HG2	1:B:72:HIS:H	15	12.34
(1,51)	1:B:43:GLU:HG2	1:A:72:HIS:H	15	12.34
(1,51)	1:B:43:GLU:HG2	1:B:72:HIS:H	15	12.34
(1,51)	1:B:43:GLU:HG3	1:A:72:HIS:H	15	12.34
(1,51)	1:B:43:GLU:HG3	1:B:72:HIS:H	15	12.34
(1,613)	1:A:61:ILE:HG12	1:A:36:LYS:HE2	15	12.33
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE2	15	12.33
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE3	15	12.33
(1,613)	1:A:61:ILE:HG13	1:A:36:LYS:HE2	15	12.33
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE2	15	12.33
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE3	15	12.33
(1,613)	1:A:61:ILE:HG21	1:A:36:LYS:HE2	15	12.33
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE2	15	12.33
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE3	15	12.33
(1,613)	1:A:61:ILE:HG22	1:A:36:LYS:HE2	15	12.33
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE2	15	12.33
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE3	15	12.33
(1,613)	1:A:61:ILE:HG23	1:A:36:LYS:HE2	15	12.33
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE2	15	12.33
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	15	12.33
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	15	12.33
(1,613)	1:B:61:ILE:HG12	1:A:36:LYS:HE2	15	12.33
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE2	15	12.33
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE3	15	12.33
(1,613)	1:B:61:ILE:HG13	1:A:36:LYS:HE2	15	12.33
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE2	15	12.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE3	15	12.33
(1,613)	1:B:61:ILE:HG21	1:A:36:LYS:HE2	15	12.33
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE2	15	12.33
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE3	15	12.33
(1,613)	1:B:61:ILE:HG22	1:A:36:LYS:HE2	15	12.33
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE2	15	12.33
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE3	15	12.33
(1,613)	1:B:61:ILE:HG23	1:A:36:LYS:HE2	15	12.33
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE2	15	12.33
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE3	15	12.33
(1,613)	1:A:61:ILE:HG12	1:A:36:LYS:HE2	12	12.32
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE2	12	12.32
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE3	12	12.32
(1,613)	1:A:61:ILE:HG13	1:A:36:LYS:HE2	12	12.32
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE2	12	12.32
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE3	12	12.32
(1,613)	1:A:61:ILE:HG21	1:A:36:LYS:HE2	12	12.32
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE2	12	12.32
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE3	12	12.32
(1,613)	1:A:61:ILE:HG22	1:A:36:LYS:HE2	12	12.32
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE2	12	12.32
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE3	12	12.32
(1,613)	1:A:61:ILE:HG23	1:A:36:LYS:HE2	12	12.32
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE2	12	12.32
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	12	12.32
(1,613)	1:B:61:ILE:HG12	1:A:36:LYS:HE2	12	12.32
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE2	12	12.32
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE3	12	12.32
(1,613)	1:B:61:ILE:HG13	1:A:36:LYS:HE2	12	12.32
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE2	12	12.32
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE3	12	12.32
(1,613)	1:B:61:ILE:HG21	1:A:36:LYS:HE2	12	12.32
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE2	12	12.32
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE3	12	12.32
(1,613)	1:B:61:ILE:HG22	1:A:36:LYS:HE2	12	12.32
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE2	12	12.32
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE3	12	12.32
(1,613)	1:B:61:ILE:HG23	1:A:36:LYS:HE2	12	12.32
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE2	12	12.32
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE3	12	12.32
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB2	11	12.31
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB3	11	12.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB2	11	12.31
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB3	11	12.31
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB2	11	12.31
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB3	11	12.31
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB2	11	12.31
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB3	11	12.31
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG2	4	12.3
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG3	4	12.3
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG2	4	12.3
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG3	4	12.3
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG2	4	12.3
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG3	4	12.3
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG2	4	12.3
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG3	4	12.3
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB2	18	12.28
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB3	18	12.28
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB2	18	12.28
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB3	18	12.28
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB2	18	12.28
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB3	18	12.28
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB2	18	12.28
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB3	18	12.28
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG2	2	12.28
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG3	2	12.28
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG2	2	12.28
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG3	2	12.28
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG2	2	12.28
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG3	2	12.28
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG2	2	12.28
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG3	2	12.28
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB2	10	12.26
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB3	10	12.26
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB2	10	12.26
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB3	10	12.26
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB2	10	12.26
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB3	10	12.26
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB2	10	12.26
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB3	10	12.26
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG2	5	12.24
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG3	5	12.24
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG2	5	12.24
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG3	5	12.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG2	5	12.24
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG3	5	12.24
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG2	5	12.24
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG3	5	12.24
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG2	17	12.23
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG3	17	12.23
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG2	17	12.23
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG3	17	12.23
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG2	17	12.23
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG3	17	12.23
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG2	17	12.23
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG3	17	12.23
(1,51)	1:A:43:GLU:HG2	1:A:72:HIS:H	12	12.21
(1,51)	1:A:43:GLU:HG2	1:B:72:HIS:H	12	12.21
(1,51)	1:B:43:GLU:HG2	1:A:72:HIS:H	12	12.21
(1,51)	1:B:43:GLU:HG2	1:B:72:HIS:H	12	12.21
(1,51)	1:B:43:GLU:HG3	1:A:72:HIS:H	12	12.21
(1,51)	1:B:43:GLU:HG3	1:B:72:HIS:H	12	12.21
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG2	14	12.2
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG3	14	12.2
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG2	14	12.2
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG3	14	12.2
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG2	14	12.2
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG3	14	12.2
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG2	14	12.2
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG3	14	12.2
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG2	15	12.17
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG3	15	12.17
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG2	15	12.17
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG3	15	12.17
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG2	15	12.17
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG3	15	12.17
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG2	15	12.17
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG3	15	12.17
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG2	18	12.17
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG3	18	12.17
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG2	18	12.17
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG3	18	12.17
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG2	18	12.17
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG3	18	12.17
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG2	18	12.17
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG3	18	12.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG2	13	12.17
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG3	13	12.17
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG2	13	12.17
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG3	13	12.17
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG2	13	12.17
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG3	13	12.17
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG2	13	12.17
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG3	13	12.17
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG2	16	12.16
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG3	16	12.16
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG2	16	12.16
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG3	16	12.16
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG2	16	12.16
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG3	16	12.16
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG2	16	12.16
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG3	16	12.16
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG2	9	12.14
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG3	9	12.14
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG2	9	12.14
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG3	9	12.14
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG2	9	12.14
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG3	9	12.14
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG2	9	12.14
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG3	9	12.14
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG2	6	12.13
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG3	6	12.13
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG2	6	12.13
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG3	6	12.13
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG2	6	12.13
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG3	6	12.13
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG2	6	12.13
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG3	6	12.13
(1,51)	1:A:43:GLU:HG2	1:A:72:HIS:H	1	12.13
(1,51)	1:A:43:GLU:HG2	1:B:72:HIS:H	1	12.13
(1,51)	1:B:43:GLU:HG2	1:A:72:HIS:H	1	12.13
(1,51)	1:B:43:GLU:HG2	1:B:72:HIS:H	1	12.13
(1,51)	1:B:43:GLU:HG3	1:A:72:HIS:H	1	12.13
(1,51)	1:B:43:GLU:HG3	1:B:72:HIS:H	1	12.13
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD2	9	12.13
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD3	9	12.13
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD2	9	12.13
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD3	9	12.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD2	9	12.13
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD3	9	12.13
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD2	9	12.13
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD3	9	12.13
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG2	8	12.11
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG3	8	12.11
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG2	8	12.11
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG3	8	12.11
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG2	8	12.11
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG3	8	12.11
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG2	8	12.11
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG3	8	12.11
(1,604)	1:A:61:ILE:HD11	1:A:36:LYS:HE2	14	12.11
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE2	14	12.11
(1,604)	1:A:61:ILE:HD11	1:B:36:LYS:HE3	14	12.11
(1,604)	1:A:61:ILE:HD12	1:A:36:LYS:HE2	14	12.11
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE2	14	12.11
(1,604)	1:A:61:ILE:HD12	1:B:36:LYS:HE3	14	12.11
(1,604)	1:A:61:ILE:HD13	1:A:36:LYS:HE2	14	12.11
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE2	14	12.11
(1,604)	1:A:61:ILE:HD13	1:B:36:LYS:HE3	14	12.11
(1,604)	1:B:61:ILE:HD11	1:A:36:LYS:HE2	14	12.11
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE2	14	12.11
(1,604)	1:B:61:ILE:HD11	1:B:36:LYS:HE3	14	12.11
(1,604)	1:B:61:ILE:HD12	1:A:36:LYS:HE2	14	12.11
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE2	14	12.11
(1,604)	1:B:61:ILE:HD12	1:B:36:LYS:HE3	14	12.11
(1,604)	1:B:61:ILE:HD13	1:A:36:LYS:HE2	14	12.11
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE2	14	12.11
(1,604)	1:B:61:ILE:HD13	1:B:36:LYS:HE3	14	12.11
(1,613)	1:A:61:ILE:HG12	1:A:36:LYS:HE2	3	12.1
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE2	3	12.1
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE3	3	12.1
(1,613)	1:A:61:ILE:HG13	1:A:36:LYS:HE2	3	12.1
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE2	3	12.1
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE3	3	12.1
(1,613)	1:A:61:ILE:HG21	1:A:36:LYS:HE2	3	12.1
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE2	3	12.1
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE3	3	12.1
(1,613)	1:A:61:ILE:HG22	1:A:36:LYS:HE2	3	12.1
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE2	3	12.1
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE3	3	12.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	1:A:61:ILE:HG23	1:A:36:LYS:HE2	3	12.1
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE2	3	12.1
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	3	12.1
(1,613)	1:B:61:ILE:HG12	1:A:36:LYS:HE2	3	12.1
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE2	3	12.1
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE3	3	12.1
(1,613)	1:B:61:ILE:HG13	1:A:36:LYS:HE2	3	12.1
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE2	3	12.1
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE3	3	12.1
(1,613)	1:B:61:ILE:HG21	1:A:36:LYS:HE2	3	12.1
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE2	3	12.1
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE3	3	12.1
(1,613)	1:B:61:ILE:HG22	1:A:36:LYS:HE2	3	12.1
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE2	3	12.1
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE3	3	12.1
(1,613)	1:B:61:ILE:HG23	1:A:36:LYS:HE2	3	12.1
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE2	3	12.1
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE3	3	12.1
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG2	3	12.09
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG3	3	12.09
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG2	3	12.09
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG3	3	12.09
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG2	3	12.09
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG3	3	12.09
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG2	3	12.09
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG3	3	12.09
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB2	13	12.09
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB3	13	12.09
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB2	13	12.09
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB3	13	12.09
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB2	13	12.09
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB3	13	12.09
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB2	13	12.09
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB3	13	12.09
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG2	11	12.09
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG3	11	12.09
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG2	11	12.09
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG3	11	12.09
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG2	11	12.09
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG3	11	12.09
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG2	11	12.09
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG3	11	12.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG2	7	12.05
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG3	7	12.05
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG2	7	12.05
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG3	7	12.05
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG2	7	12.05
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG3	7	12.05
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG2	7	12.05
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG3	7	12.05
(1,515)	1:A:36:LYS:HE2	1:A:62:LEU:H	19	12.05
(1,515)	1:A:36:LYS:HE2	1:B:62:LEU:H	19	12.05
(1,515)	1:B:36:LYS:HE2	1:A:62:LEU:H	19	12.05
(1,515)	1:B:36:LYS:HE2	1:B:62:LEU:H	19	12.05
(1,515)	1:B:36:LYS:HE3	1:A:62:LEU:H	19	12.05
(1,515)	1:B:36:LYS:HE3	1:B:62:LEU:H	19	12.05
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD2	2	12.05
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD3	2	12.05
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD2	2	12.05
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD3	2	12.05
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD2	2	12.05
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD3	2	12.05
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD2	2	12.05
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD3	2	12.05
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG2	19	12.05
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG3	19	12.05
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG2	19	12.05
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG3	19	12.05
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG2	19	12.05
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG3	19	12.05
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG2	19	12.05
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG3	19	12.05
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG2	10	12.03
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG3	10	12.03
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG2	10	12.03
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG3	10	12.03
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG2	10	12.03
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG3	10	12.03
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG2	10	12.03
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG3	10	12.03
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD2	12	12.02
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD3	12	12.02
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD2	12	12.02
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD3	12	12.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD2	12	12.02
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD3	12	12.02
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD2	12	12.02
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD3	12	12.02
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG2	18	12.0
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG3	18	12.0
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG2	18	12.0
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG3	18	12.0
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG2	18	12.0
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG3	18	12.0
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG2	18	12.0
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG3	18	12.0
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB2	8	12.0
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB3	8	12.0
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB2	8	12.0
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB3	8	12.0
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB2	8	12.0
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB3	8	12.0
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB2	8	12.0
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB3	8	12.0
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG2	11	11.99
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG3	11	11.99
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG2	11	11.99
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG3	11	11.99
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG2	11	11.99
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG3	11	11.99
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG2	11	11.99
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG3	11	11.99
(1,515)	1:A:36:LYS:HE2	1:A:62:LEU:H	2	11.98
(1,515)	1:A:36:LYS:HE2	1:B:62:LEU:H	2	11.98
(1,515)	1:B:36:LYS:HE2	1:A:62:LEU:H	2	11.98
(1,515)	1:B:36:LYS:HE2	1:B:62:LEU:H	2	11.98
(1,515)	1:B:36:LYS:HE3	1:A:62:LEU:H	2	11.98
(1,515)	1:B:36:LYS:HE3	1:B:62:LEU:H	2	11.98
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG2	9	11.97
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG3	9	11.97
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG2	9	11.97
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG3	9	11.97
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG2	9	11.97
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG3	9	11.97
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG2	9	11.97
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG3	9	11.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG2	14	11.95
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG3	14	11.95
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG2	14	11.95
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG3	14	11.95
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG2	14	11.95
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG3	14	11.95
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG2	14	11.95
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG3	14	11.95
(1,51)	1:A:43:GLU:HG2	1:A:72:HIS:H	7	11.95
(1,51)	1:A:43:GLU:HG2	1:B:72:HIS:H	7	11.95
(1,51)	1:B:43:GLU:HG2	1:A:72:HIS:H	7	11.95
(1,51)	1:B:43:GLU:HG2	1:B:72:HIS:H	7	11.95
(1,51)	1:B:43:GLU:HG3	1:A:72:HIS:H	7	11.95
(1,51)	1:B:43:GLU:HG3	1:B:72:HIS:H	7	11.95
(1,51)	1:A:43:GLU:HG2	1:A:72:HIS:H	16	11.95
(1,51)	1:A:43:GLU:HG2	1:B:72:HIS:H	16	11.95
(1,51)	1:B:43:GLU:HG2	1:A:72:HIS:H	16	11.95
(1,51)	1:B:43:GLU:HG2	1:B:72:HIS:H	16	11.95
(1,51)	1:B:43:GLU:HG3	1:A:72:HIS:H	16	11.95
(1,51)	1:B:43:GLU:HG3	1:B:72:HIS:H	16	11.95
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG2	19	11.94
(1,614)	1:A:93:ARG:HB2	1:A:71:ARG:HG3	19	11.94
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG2	19	11.94
(1,614)	1:A:93:ARG:HB2	1:B:71:ARG:HG3	19	11.94
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG2	19	11.94
(1,614)	1:B:93:ARG:HB2	1:A:71:ARG:HG3	19	11.94
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG2	19	11.94
(1,614)	1:B:93:ARG:HB2	1:B:71:ARG:HG3	19	11.94
(1,613)	1:A:61:ILE:HG12	1:A:36:LYS:HE2	11	11.94
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE2	11	11.94
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE3	11	11.94
(1,613)	1:A:61:ILE:HG13	1:A:36:LYS:HE2	11	11.94
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE2	11	11.94
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE3	11	11.94
(1,613)	1:A:61:ILE:HG21	1:A:36:LYS:HE2	11	11.94
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE2	11	11.94
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE3	11	11.94
(1,613)	1:A:61:ILE:HG22	1:A:36:LYS:HE2	11	11.94
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE2	11	11.94
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE3	11	11.94
(1,613)	1:A:61:ILE:HG23	1:A:36:LYS:HE2	11	11.94
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE2	11	11.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	11	11.94
(1,613)	1:B:61:ILE:HG12	1:A:36:LYS:HE2	11	11.94
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE2	11	11.94
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE3	11	11.94
(1,613)	1:B:61:ILE:HG13	1:A:36:LYS:HE2	11	11.94
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE2	11	11.94
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE3	11	11.94
(1,613)	1:B:61:ILE:HG21	1:A:36:LYS:HE2	11	11.94
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE2	11	11.94
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE3	11	11.94
(1,613)	1:B:61:ILE:HG22	1:A:36:LYS:HE2	11	11.94
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE2	11	11.94
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE3	11	11.94
(1,613)	1:B:61:ILE:HG23	1:A:36:LYS:HE2	11	11.94
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE2	11	11.94
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE3	11	11.94
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG2	10	11.94
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG3	10	11.94
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG2	10	11.94
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG3	10	11.94
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG2	10	11.94
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG3	10	11.94
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG2	10	11.94
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG3	10	11.94
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG2	13	11.93
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG3	13	11.93
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG2	13	11.93
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG3	13	11.93
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG2	13	11.93
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG3	13	11.93
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG2	13	11.93
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG3	13	11.93
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG2	20	11.93
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG3	20	11.93
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG2	20	11.93
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG3	20	11.93
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG2	20	11.93
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG3	20	11.93
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG2	20	11.93
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG3	20	11.93
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG2	4	11.92
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG3	4	11.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG2	4	11.92
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG3	4	11.92
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG2	4	11.92
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG3	4	11.92
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG2	4	11.92
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG3	4	11.92
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB2	19	11.91
(1,670)	1:A:93:ARG:HB3	1:A:71:ARG:HB3	19	11.91
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB2	19	11.91
(1,670)	1:A:93:ARG:HB3	1:B:71:ARG:HB3	19	11.91
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB2	19	11.91
(1,670)	1:B:93:ARG:HB3	1:A:71:ARG:HB3	19	11.91
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB2	19	11.91
(1,670)	1:B:93:ARG:HB3	1:B:71:ARG:HB3	19	11.91
(1,51)	1:A:43:GLU:HG2	1:A:72:HIS:H	2	11.91
(1,51)	1:A:43:GLU:HG2	1:B:72:HIS:H	2	11.91
(1,51)	1:B:43:GLU:HG2	1:A:72:HIS:H	2	11.91
(1,51)	1:B:43:GLU:HG2	1:B:72:HIS:H	2	11.91
(1,51)	1:B:43:GLU:HG3	1:A:72:HIS:H	2	11.91
(1,51)	1:B:43:GLU:HG3	1:B:72:HIS:H	2	11.91
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD2	1	11.89
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD3	1	11.89
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD2	1	11.89
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD3	1	11.89
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD2	1	11.89
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD3	1	11.89
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD2	1	11.89
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD3	1	11.89
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG2	15	11.86
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG3	15	11.86
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG2	15	11.86
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG3	15	11.86
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG2	15	11.86
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG3	15	11.86
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG2	15	11.86
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG3	15	11.86
(1,51)	1:A:43:GLU:HG2	1:A:72:HIS:H	10	11.86
(1,51)	1:A:43:GLU:HG2	1:B:72:HIS:H	10	11.86
(1,51)	1:B:43:GLU:HG2	1:A:72:HIS:H	10	11.86
(1,51)	1:B:43:GLU:HG2	1:B:72:HIS:H	10	11.86
(1,51)	1:B:43:GLU:HG3	1:A:72:HIS:H	10	11.86
(1,51)	1:B:43:GLU:HG3	1:B:72:HIS:H	10	11.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD2	15	11.84
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD3	15	11.84
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD2	15	11.84
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD3	15	11.84
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD2	15	11.84
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD3	15	11.84
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD2	15	11.84
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD3	15	11.84
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG2	10	11.83
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG3	10	11.83
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG2	10	11.83
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG3	10	11.83
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG2	10	11.83
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG3	10	11.83
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG2	10	11.83
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG3	10	11.83
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG2	8	11.81
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG3	8	11.81
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG2	8	11.81
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG3	8	11.81
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG2	8	11.81
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG3	8	11.81
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG2	8	11.81
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG3	8	11.81
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB2	15	11.8
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB3	15	11.8
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB2	15	11.8
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB3	15	11.8
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB2	15	11.8
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB3	15	11.8
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB2	15	11.8
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB3	15	11.8
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG2	12	11.79
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG3	12	11.79
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG2	12	11.79
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG3	12	11.79
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG2	12	11.79
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG3	12	11.79
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG2	12	11.79
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG3	12	11.79
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG2	16	11.79
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG3	16	11.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG2	16	11.79
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG3	16	11.79
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG2	16	11.79
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG3	16	11.79
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG2	16	11.79
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG3	16	11.79
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG2	9	11.79
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG3	9	11.79
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG2	9	11.79
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG3	9	11.79
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG2	9	11.79
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG3	9	11.79
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG2	9	11.79
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG3	9	11.79
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB2	9	11.77
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB3	9	11.77
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB2	9	11.77
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB3	9	11.77
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB2	9	11.77
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB3	9	11.77
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB2	9	11.77
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB3	9	11.77
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG2	20	11.77
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG3	20	11.77
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG2	20	11.77
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG3	20	11.77
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG2	20	11.77
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG3	20	11.77
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG2	20	11.77
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG3	20	11.77
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD1	20	11.77
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD2	20	11.77
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD1	20	11.77
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD2	20	11.77
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD1	20	11.77
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD2	20	11.77
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD1	20	11.77
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD2	20	11.77
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD1	20	11.77
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD2	20	11.77
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD1	20	11.77
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD2	20	11.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG2	17	11.75
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG3	17	11.75
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG2	17	11.75
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG3	17	11.75
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG2	17	11.75
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG3	17	11.75
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG2	17	11.75
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG3	17	11.75
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB2	2	11.72
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB3	2	11.72
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB2	2	11.72
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB3	2	11.72
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB2	2	11.72
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB3	2	11.72
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB2	2	11.72
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB3	2	11.72
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG2	7	11.71
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG3	7	11.71
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG2	7	11.71
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG3	7	11.71
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG2	7	11.71
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG3	7	11.71
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG2	7	11.71
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG3	7	11.71
(1,422)	1:A:70:SER:HB2	1:A:45:ARG:HD2	7	11.71
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD2	7	11.71
(1,422)	1:A:70:SER:HB2	1:B:45:ARG:HD3	7	11.71
(1,422)	1:A:70:SER:HB3	1:A:45:ARG:HD2	7	11.71
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD2	7	11.71
(1,422)	1:A:70:SER:HB3	1:B:45:ARG:HD3	7	11.71
(1,422)	1:B:70:SER:HB2	1:A:45:ARG:HD2	7	11.71
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD2	7	11.71
(1,422)	1:B:70:SER:HB2	1:B:45:ARG:HD3	7	11.71
(1,422)	1:B:70:SER:HB3	1:A:45:ARG:HD2	7	11.71
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD2	7	11.71
(1,422)	1:B:70:SER:HB3	1:B:45:ARG:HD3	7	11.71
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG2	3	11.7
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG3	3	11.7
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG2	3	11.7
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG3	3	11.7
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG2	3	11.7
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG3	3	11.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG2	3	11.7
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG3	3	11.7
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG2	8	11.7
(1,109)	1:A:95:GLN:H	1:A:71:ARG:HG3	8	11.7
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG2	8	11.7
(1,109)	1:A:95:GLN:H	1:B:71:ARG:HG3	8	11.7
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG2	8	11.7
(1,109)	1:B:95:GLN:H	1:A:71:ARG:HG3	8	11.7
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG2	8	11.7
(1,109)	1:B:95:GLN:H	1:B:71:ARG:HG3	8	11.7
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD2	5	11.68
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD3	5	11.68
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD2	5	11.68
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD3	5	11.68
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD2	5	11.68
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD3	5	11.68
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD2	5	11.68
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD3	5	11.68
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG2	2	11.67
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG3	2	11.67
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG2	2	11.67
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG3	2	11.67
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG2	2	11.67
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG3	2	11.67
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG2	2	11.67
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG3	2	11.67
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG2	19	11.67
(1,727)	1:A:93:ARG:HA	1:A:71:ARG:HG3	19	11.67
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG2	19	11.67
(1,727)	1:A:93:ARG:HA	1:B:71:ARG:HG3	19	11.67
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG2	19	11.67
(1,727)	1:B:93:ARG:HA	1:A:71:ARG:HG3	19	11.67
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG2	19	11.67
(1,727)	1:B:93:ARG:HA	1:B:71:ARG:HG3	19	11.67
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG2	6	11.64
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG3	6	11.64
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG2	6	11.64
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG3	6	11.64
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG2	6	11.64
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG3	6	11.64
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG2	6	11.64
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG3	6	11.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD1	3	11.63
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD2	3	11.63
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD1	3	11.63
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD2	3	11.63
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD1	3	11.63
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD2	3	11.63
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD1	3	11.63
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD2	3	11.63
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD1	3	11.63
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD2	3	11.63
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD1	3	11.63
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD2	3	11.63
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG2	11	11.62
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG3	11	11.62
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG2	11	11.62
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG3	11	11.62
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG2	11	11.62
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG3	11	11.62
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG2	11	11.62
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG3	11	11.62
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG2	13	11.62
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG3	13	11.62
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG2	13	11.62
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG3	13	11.62
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG2	13	11.62
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG3	13	11.62
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG2	13	11.62
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG3	13	11.62
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD1	17	11.61
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD2	17	11.61
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD1	17	11.61
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD2	17	11.61
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD1	17	11.61
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD2	17	11.61
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD1	17	11.61
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD2	17	11.61
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD1	17	11.61
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD2	17	11.61
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD1	17	11.61
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD2	17	11.61
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG2	12	11.61
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG3	12	11.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG2	12	11.61
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG3	12	11.61
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG2	12	11.61
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG3	12	11.61
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG2	12	11.61
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG3	12	11.61
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG2	1	11.57
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG3	1	11.57
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG2	1	11.57
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG3	1	11.57
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG2	1	11.57
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG3	1	11.57
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG2	1	11.57
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG3	1	11.57
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD2	14	11.56
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD3	14	11.56
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD2	14	11.56
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD3	14	11.56
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD2	14	11.56
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD3	14	11.56
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD2	14	11.56
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD3	14	11.56
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB2	12	11.54
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB3	12	11.54
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB2	12	11.54
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB3	12	11.54
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB2	12	11.54
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB3	12	11.54
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB2	12	11.54
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB3	12	11.54
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG2	15	11.53
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG3	15	11.53
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG2	15	11.53
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG3	15	11.53
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG2	15	11.53
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG3	15	11.53
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG2	15	11.53
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG3	15	11.53
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG2	18	11.52
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG3	18	11.52
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG2	18	11.52
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG3	18	11.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG2	18	11.52
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG3	18	11.52
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG2	18	11.52
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG3	18	11.52
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD2	6	11.52
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD3	6	11.52
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD2	6	11.52
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD3	6	11.52
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD2	6	11.52
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD3	6	11.52
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD2	6	11.52
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD3	6	11.52
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD2	17	11.51
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD3	17	11.51
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD2	17	11.51
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD3	17	11.51
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD2	17	11.51
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD3	17	11.51
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD2	17	11.51
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD3	17	11.51
(1,56)	1:A:73:SER:H	1:A:51:ASN:HD22	6	11.5
(1,56)	1:A:73:SER:H	1:B:51:ASN:HD22	6	11.5
(1,56)	1:B:73:SER:H	1:A:51:ASN:HD22	6	11.5
(1,56)	1:B:73:SER:H	1:B:51:ASN:HD22	6	11.5
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB2	16	11.49
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB3	16	11.49
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB2	16	11.49
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB3	16	11.49
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB2	16	11.49
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB3	16	11.49
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB2	16	11.49
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB3	16	11.49
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD1	4	11.49
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD2	4	11.49
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD1	4	11.49
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD2	4	11.49
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD1	4	11.49
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD2	4	11.49
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD1	4	11.49
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD2	4	11.49
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD1	4	11.49
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD2	4	11.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD1	4	11.49
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD2	4	11.49
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD2	3	11.49
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD3	3	11.49
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD2	3	11.49
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD3	3	11.49
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD2	3	11.49
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD3	3	11.49
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD2	3	11.49
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD3	3	11.49
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB2	1	11.48
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB3	1	11.48
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB2	1	11.48
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB3	1	11.48
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB2	1	11.48
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB3	1	11.48
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB2	1	11.48
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB3	1	11.48
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB2	14	11.48
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB3	14	11.48
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB2	14	11.48
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB3	14	11.48
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB2	14	11.48
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB3	14	11.48
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB2	14	11.48
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB3	14	11.48
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD1	8	11.48
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD2	8	11.48
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD1	8	11.48
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD2	8	11.48
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD1	8	11.48
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD2	8	11.48
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD1	8	11.48
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD2	8	11.48
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD1	8	11.48
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD2	8	11.48
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD1	8	11.48
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD2	8	11.48
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG2	2	11.48
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG3	2	11.48
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG2	2	11.48
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG3	2	11.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG2	2	11.48
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG3	2	11.48
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG2	2	11.48
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG3	2	11.48
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD1	5	11.46
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD2	5	11.46
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD1	5	11.46
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD2	5	11.46
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD1	5	11.46
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD2	5	11.46
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD1	5	11.46
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD2	5	11.46
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD1	5	11.46
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD2	5	11.46
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD1	5	11.46
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD2	5	11.46
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD2	16	11.46
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD3	16	11.46
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD2	16	11.46
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD3	16	11.46
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD2	16	11.46
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD3	16	11.46
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD2	16	11.46
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD3	16	11.46
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG2	4	11.45
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG3	4	11.45
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG2	4	11.45
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG3	4	11.45
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG2	4	11.45
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG3	4	11.45
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG2	4	11.45
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG3	4	11.45
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG2	8	11.45
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG3	8	11.45
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG2	8	11.45
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG3	8	11.45
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG2	8	11.45
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG3	8	11.45
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG2	8	11.45
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG3	8	11.45
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG2	10	11.44
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG3	10	11.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG2	10	11.44
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG3	10	11.44
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG2	10	11.44
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG3	10	11.44
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG2	10	11.44
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG3	10	11.44
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD1	11	11.43
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD2	11	11.43
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD1	11	11.43
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD2	11	11.43
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD1	11	11.43
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD2	11	11.43
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD1	11	11.43
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD2	11	11.43
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD1	11	11.43
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD2	11	11.43
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD1	11	11.43
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD2	11	11.43
(1,56)	1:A:73:SER:H	1:A:51:ASN:HD22	20	11.43
(1,56)	1:A:73:SER:H	1:B:51:ASN:HD22	20	11.43
(1,56)	1:B:73:SER:H	1:A:51:ASN:HD22	20	11.43
(1,56)	1:B:73:SER:H	1:B:51:ASN:HD22	20	11.43
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB2	3	11.42
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB3	3	11.42
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB2	3	11.42
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB3	3	11.42
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB2	3	11.42
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB3	3	11.42
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB2	3	11.42
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB3	3	11.42
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG2	1	11.42
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG3	1	11.42
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG2	1	11.42
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG3	1	11.42
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG2	1	11.42
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG3	1	11.42
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG2	1	11.42
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG3	1	11.42
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG2	6	11.4
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG3	6	11.4
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG2	6	11.4
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG3	6	11.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG2	6	11.4
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG3	6	11.4
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG2	6	11.4
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG3	6	11.4
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB2	5	11.39
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB3	5	11.39
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB2	5	11.39
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB3	5	11.39
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB2	5	11.39
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB3	5	11.39
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB2	5	11.39
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB3	5	11.39
(1,613)	1:A:61:ILE:HG12	1:A:36:LYS:HE2	13	11.38
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE2	13	11.38
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE3	13	11.38
(1,613)	1:A:61:ILE:HG13	1:A:36:LYS:HE2	13	11.38
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE2	13	11.38
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE3	13	11.38
(1,613)	1:A:61:ILE:HG21	1:A:36:LYS:HE2	13	11.38
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE2	13	11.38
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE3	13	11.38
(1,613)	1:A:61:ILE:HG22	1:A:36:LYS:HE2	13	11.38
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE2	13	11.38
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE3	13	11.38
(1,613)	1:A:61:ILE:HG23	1:A:36:LYS:HE2	13	11.38
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE2	13	11.38
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	13	11.38
(1,613)	1:B:61:ILE:HG12	1:A:36:LYS:HE2	13	11.38
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE2	13	11.38
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE3	13	11.38
(1,613)	1:B:61:ILE:HG13	1:A:36:LYS:HE2	13	11.38
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE2	13	11.38
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE3	13	11.38
(1,613)	1:B:61:ILE:HG21	1:A:36:LYS:HE2	13	11.38
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE2	13	11.38
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE3	13	11.38
(1,613)	1:B:61:ILE:HG22	1:A:36:LYS:HE2	13	11.38
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE2	13	11.38
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE3	13	11.38
(1,613)	1:B:61:ILE:HG23	1:A:36:LYS:HE2	13	11.38
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE2	13	11.38
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE3	13	11.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD2	20	11.38
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD3	20	11.38
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD2	20	11.38
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD3	20	11.38
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD2	20	11.38
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD3	20	11.38
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD2	20	11.38
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD3	20	11.38
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB2	7	11.37
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB3	7	11.37
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB2	7	11.37
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB3	7	11.37
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB2	7	11.37
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB3	7	11.37
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB2	7	11.37
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB3	7	11.37
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG2	5	11.36
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG3	5	11.36
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG2	5	11.36
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG3	5	11.36
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG2	5	11.36
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG3	5	11.36
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG2	5	11.36
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG3	5	11.36
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD2	4	11.36
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD3	4	11.36
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD2	4	11.36
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD3	4	11.36
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD2	4	11.36
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD3	4	11.36
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD2	4	11.36
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD3	4	11.36
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB2	8	11.35
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB3	8	11.35
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB2	8	11.35
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB3	8	11.35
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB2	8	11.35
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB3	8	11.35
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB2	8	11.35
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB3	8	11.35
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG2	17	11.35
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG3	17	11.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG2	17	11.35
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG3	17	11.35
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG2	17	11.35
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG3	17	11.35
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG2	17	11.35
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG3	17	11.35
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD2	7	11.33
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD3	7	11.33
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD2	7	11.33
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD3	7	11.33
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD2	7	11.33
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD3	7	11.33
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD2	7	11.33
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD3	7	11.33
(1,613)	1:A:61:ILE:HG12	1:A:36:LYS:HE2	16	11.31
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE2	16	11.31
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE3	16	11.31
(1,613)	1:A:61:ILE:HG13	1:A:36:LYS:HE2	16	11.31
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE2	16	11.31
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE3	16	11.31
(1,613)	1:A:61:ILE:HG21	1:A:36:LYS:HE2	16	11.31
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE2	16	11.31
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE3	16	11.31
(1,613)	1:A:61:ILE:HG22	1:A:36:LYS:HE2	16	11.31
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE2	16	11.31
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE3	16	11.31
(1,613)	1:A:61:ILE:HG23	1:A:36:LYS:HE2	16	11.31
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE2	16	11.31
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	16	11.31
(1,613)	1:B:61:ILE:HG12	1:A:36:LYS:HE2	16	11.31
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE2	16	11.31
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE3	16	11.31
(1,613)	1:B:61:ILE:HG13	1:A:36:LYS:HE2	16	11.31
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE2	16	11.31
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE3	16	11.31
(1,613)	1:B:61:ILE:HG21	1:A:36:LYS:HE2	16	11.31
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE2	16	11.31
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE3	16	11.31
(1,613)	1:B:61:ILE:HG22	1:A:36:LYS:HE2	16	11.31
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE2	16	11.31
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE3	16	11.31
(1,613)	1:B:61:ILE:HG23	1:A:36:LYS:HE2	16	11.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE2	16	11.31
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE3	16	11.31
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD1	13	11.31
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD2	13	11.31
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD1	13	11.31
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD2	13	11.31
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD1	13	11.31
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD2	13	11.31
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD1	13	11.31
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD2	13	11.31
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD1	13	11.31
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD2	13	11.31
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD1	13	11.31
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD2	13	11.31
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB2	10	11.3
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB3	10	11.3
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB2	10	11.3
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB3	10	11.3
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB2	10	11.3
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB3	10	11.3
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB2	10	11.3
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB3	10	11.3
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG2	14	11.3
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG3	14	11.3
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG2	14	11.3
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG3	14	11.3
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG2	14	11.3
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG3	14	11.3
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG2	14	11.3
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG3	14	11.3
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG2	19	11.3
(1,668)	1:A:93:ARG:HB3	1:A:71:ARG:HG3	19	11.3
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG2	19	11.3
(1,668)	1:A:93:ARG:HB3	1:B:71:ARG:HG3	19	11.3
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG2	19	11.3
(1,668)	1:B:93:ARG:HB3	1:A:71:ARG:HG3	19	11.3
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG2	19	11.3
(1,668)	1:B:93:ARG:HB3	1:B:71:ARG:HG3	19	11.3
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB2	4	11.29
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB3	4	11.29
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB2	4	11.29
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB3	4	11.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB2	4	11.29
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB3	4	11.29
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB2	4	11.29
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB3	4	11.29
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD2	11	11.29
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD3	11	11.29
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD2	11	11.29
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD3	11	11.29
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD2	11	11.29
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD3	11	11.29
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD2	11	11.29
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD3	11	11.29
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB2	17	11.28
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB3	17	11.28
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB2	17	11.28
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB3	17	11.28
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB2	17	11.28
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB3	17	11.28
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB2	17	11.28
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB3	17	11.28
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD1	18	11.28
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD2	18	11.28
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD1	18	11.28
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD2	18	11.28
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD1	18	11.28
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD2	18	11.28
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD1	18	11.28
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD2	18	11.28
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD1	18	11.28
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD2	18	11.28
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD1	18	11.28
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD2	18	11.28
(1,56)	1:A:73:SER:H	1:A:51:ASN:HD22	3	11.28
(1,56)	1:A:73:SER:H	1:B:51:ASN:HD22	3	11.28
(1,56)	1:B:73:SER:H	1:A:51:ASN:HD22	3	11.28
(1,56)	1:B:73:SER:H	1:B:51:ASN:HD22	3	11.28
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG2	16	11.27
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG3	16	11.27
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG2	16	11.27
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG3	16	11.27
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG2	16	11.27
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG3	16	11.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG2	16	11.27
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG3	16	11.27
(1,56)	1:A:73:SER:H	1:A:51:ASN:HD22	15	11.25
(1,56)	1:A:73:SER:H	1:B:51:ASN:HD22	15	11.25
(1,56)	1:B:73:SER:H	1:A:51:ASN:HD22	15	11.25
(1,56)	1:B:73:SER:H	1:B:51:ASN:HD22	15	11.25
(1,56)	1:A:73:SER:H	1:A:51:ASN:HD22	1	11.24
(1,56)	1:A:73:SER:H	1:B:51:ASN:HD22	1	11.24
(1,56)	1:B:73:SER:H	1:A:51:ASN:HD22	1	11.24
(1,56)	1:B:73:SER:H	1:B:51:ASN:HD22	1	11.24
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG2	11	11.23
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG3	11	11.23
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG2	11	11.23
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG3	11	11.23
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG2	11	11.23
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG3	11	11.23
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG2	11	11.23
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG3	11	11.23
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD1	10	11.23
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD2	10	11.23
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD1	10	11.23
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD2	10	11.23
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD1	10	11.23
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD2	10	11.23
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD1	10	11.23
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD2	10	11.23
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD1	10	11.23
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD2	10	11.23
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD1	10	11.23
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD2	10	11.23
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG2	7	11.22
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG3	7	11.22
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG2	7	11.22
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG3	7	11.22
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG2	7	11.22
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG3	7	11.22
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG2	7	11.22
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG3	7	11.22
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD2	8	11.22
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD3	8	11.22
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD2	8	11.22
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD3	8	11.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD2	8	11.22
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD3	8	11.22
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD2	8	11.22
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD3	8	11.22
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG2	3	11.21
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG3	3	11.21
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG2	3	11.21
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG3	3	11.21
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG2	3	11.21
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG3	3	11.21
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG2	3	11.21
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG3	3	11.21
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD1	14	11.21
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD2	14	11.21
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD1	14	11.21
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD2	14	11.21
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD1	14	11.21
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD2	14	11.21
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD1	14	11.21
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD2	14	11.21
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD1	14	11.21
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD2	14	11.21
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD1	14	11.21
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD2	14	11.21
(1,56)	1:A:73:SER:H	1:A:51:ASN:HD22	7	11.21
(1,56)	1:A:73:SER:H	1:B:51:ASN:HD22	7	11.21
(1,56)	1:B:73:SER:H	1:A:51:ASN:HD22	7	11.21
(1,56)	1:B:73:SER:H	1:B:51:ASN:HD22	7	11.21
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD2	18	11.2
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD3	18	11.2
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD2	18	11.2
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD3	18	11.2
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD2	18	11.2
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD3	18	11.2
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD2	18	11.2
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD3	18	11.2
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG2	5	11.19
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG3	5	11.19
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG2	5	11.19
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG3	5	11.19
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG2	5	11.19
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG3	5	11.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG2	5	11.19
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG3	5	11.19
(1,217)	1:A:73:SER:HA	1:A:51:ASN:HD21	6	11.18
(1,217)	1:A:73:SER:HA	1:B:51:ASN:HD21	6	11.18
(1,217)	1:B:73:SER:HA	1:A:51:ASN:HD21	6	11.18
(1,217)	1:B:73:SER:HA	1:B:51:ASN:HD21	6	11.18
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB2	20	11.17
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB3	20	11.17
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB2	20	11.17
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB3	20	11.17
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB2	20	11.17
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB3	20	11.17
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB2	20	11.17
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB3	20	11.17
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG2	4	11.17
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG3	4	11.17
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG2	4	11.17
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG3	4	11.17
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG2	4	11.17
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG3	4	11.17
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG2	4	11.17
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG3	4	11.17
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB2	18	11.16
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB3	18	11.16
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB2	18	11.16
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB3	18	11.16
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB2	18	11.16
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB3	18	11.16
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB2	18	11.16
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB3	18	11.16
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG2	18	11.16
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG3	18	11.16
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG2	18	11.16
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG3	18	11.16
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG2	18	11.16
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG3	18	11.16
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG2	18	11.16
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG3	18	11.16
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD2	12	11.16
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD3	12	11.16
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD2	12	11.16
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD3	12	11.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD2	12	11.16
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD3	12	11.16
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD2	12	11.16
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD3	12	11.16
(1,613)	1:A:61:ILE:HG12	1:A:36:LYS:HE2	4	11.14
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE2	4	11.14
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE3	4	11.14
(1,613)	1:A:61:ILE:HG13	1:A:36:LYS:HE2	4	11.14
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE2	4	11.14
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE3	4	11.14
(1,613)	1:A:61:ILE:HG21	1:A:36:LYS:HE2	4	11.14
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE2	4	11.14
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE3	4	11.14
(1,613)	1:A:61:ILE:HG22	1:A:36:LYS:HE2	4	11.14
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE2	4	11.14
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE3	4	11.14
(1,613)	1:A:61:ILE:HG23	1:A:36:LYS:HE2	4	11.14
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE2	4	11.14
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	4	11.14
(1,613)	1:B:61:ILE:HG12	1:A:36:LYS:HE2	4	11.14
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE2	4	11.14
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE3	4	11.14
(1,613)	1:B:61:ILE:HG13	1:A:36:LYS:HE2	4	11.14
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE2	4	11.14
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE3	4	11.14
(1,613)	1:B:61:ILE:HG21	1:A:36:LYS:HE2	4	11.14
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE2	4	11.14
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE3	4	11.14
(1,613)	1:B:61:ILE:HG22	1:A:36:LYS:HE2	4	11.14
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE2	4	11.14
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE3	4	11.14
(1,613)	1:B:61:ILE:HG23	1:A:36:LYS:HE2	4	11.14
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE2	4	11.14
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE3	4	11.14
(1,56)	1:A:73:SER:H	1:A:51:ASN:HD22	12	11.12
(1,56)	1:A:73:SER:H	1:B:51:ASN:HD22	12	11.12
(1,56)	1:B:73:SER:H	1:A:51:ASN:HD22	12	11.12
(1,56)	1:B:73:SER:H	1:B:51:ASN:HD22	12	11.12
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB2	6	11.11
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB3	6	11.11
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB2	6	11.11
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB3	6	11.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB2	6	11.11
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB3	6	11.11
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB2	6	11.11
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB3	6	11.11
(1,613)	1:A:61:ILE:HG12	1:A:36:LYS:HE2	17	11.1
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE2	17	11.1
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE3	17	11.1
(1,613)	1:A:61:ILE:HG13	1:A:36:LYS:HE2	17	11.1
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE2	17	11.1
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE3	17	11.1
(1,613)	1:A:61:ILE:HG21	1:A:36:LYS:HE2	17	11.1
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE2	17	11.1
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE3	17	11.1
(1,613)	1:A:61:ILE:HG22	1:A:36:LYS:HE2	17	11.1
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE2	17	11.1
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE3	17	11.1
(1,613)	1:A:61:ILE:HG23	1:A:36:LYS:HE2	17	11.1
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE2	17	11.1
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	17	11.1
(1,613)	1:B:61:ILE:HG12	1:A:36:LYS:HE2	17	11.1
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE2	17	11.1
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE3	17	11.1
(1,613)	1:B:61:ILE:HG13	1:A:36:LYS:HE2	17	11.1
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE2	17	11.1
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE3	17	11.1
(1,613)	1:B:61:ILE:HG21	1:A:36:LYS:HE2	17	11.1
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE2	17	11.1
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE3	17	11.1
(1,613)	1:B:61:ILE:HG22	1:A:36:LYS:HE2	17	11.1
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE2	17	11.1
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE3	17	11.1
(1,613)	1:B:61:ILE:HG23	1:A:36:LYS:HE2	17	11.1
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE2	17	11.1
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE3	17	11.1
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD1	9	11.09
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD2	9	11.09
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD1	9	11.09
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD2	9	11.09
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD1	9	11.09
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD2	9	11.09
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD1	9	11.09
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD2	9	11.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD1	9	11.09
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD2	9	11.09
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD1	9	11.09
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD2	9	11.09
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD1	19	11.09
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD2	19	11.09
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD1	19	11.09
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD2	19	11.09
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD1	19	11.09
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD2	19	11.09
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD1	19	11.09
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD2	19	11.09
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD1	19	11.09
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD2	19	11.09
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD1	19	11.09
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD2	19	11.09
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD2	9	11.08
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD3	9	11.08
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD2	9	11.08
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD3	9	11.08
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD2	9	11.08
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD3	9	11.08
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD2	9	11.08
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD3	9	11.08
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG2	14	11.07
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG3	14	11.07
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG2	14	11.07
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG3	14	11.07
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG2	14	11.07
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG3	14	11.07
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG2	14	11.07
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG3	14	11.07
(1,217)	1:A:73:SER:HA	1:A:51:ASN:HD21	20	11.07
(1,217)	1:A:73:SER:HA	1:B:51:ASN:HD21	20	11.07
(1,217)	1:B:73:SER:HA	1:A:51:ASN:HD21	20	11.07
(1,217)	1:B:73:SER:HA	1:B:51:ASN:HD21	20	11.07
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD2	10	11.06
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD3	10	11.06
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD2	10	11.06
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD3	10	11.06
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD2	10	11.06
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD3	10	11.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD2	10	11.06
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD3	10	11.06
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG2	17	11.06
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG3	17	11.06
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG2	17	11.06
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG3	17	11.06
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG2	17	11.06
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG3	17	11.06
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG2	17	11.06
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG3	17	11.06
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG2	20	11.05
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG3	20	11.05
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG2	20	11.05
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG3	20	11.05
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG2	20	11.05
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG3	20	11.05
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG2	20	11.05
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG3	20	11.05
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG2	13	11.03
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG3	13	11.03
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG2	13	11.03
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG3	13	11.03
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG2	13	11.03
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG3	13	11.03
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG2	13	11.03
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG3	13	11.03
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD1	7	11.03
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD2	7	11.03
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD1	7	11.03
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD2	7	11.03
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD1	7	11.03
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD2	7	11.03
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD1	7	11.03
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD2	7	11.03
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD1	7	11.03
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD2	7	11.03
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD1	7	11.03
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD2	7	11.03
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD2	13	11.03
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD3	13	11.03
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD2	13	11.03
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD3	13	11.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD2	13	11.03
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD3	13	11.03
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD2	13	11.03
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD3	13	11.03
(1,56)	1:A:73:SER:H	1:A:51:ASN:HD22	18	11.02
(1,56)	1:A:73:SER:H	1:B:51:ASN:HD22	18	11.02
(1,56)	1:B:73:SER:H	1:A:51:ASN:HD22	18	11.02
(1,56)	1:B:73:SER:H	1:B:51:ASN:HD22	18	11.02
(1,56)	1:A:73:SER:H	1:A:51:ASN:HD22	11	11.0
(1,56)	1:A:73:SER:H	1:B:51:ASN:HD22	11	11.0
(1,56)	1:B:73:SER:H	1:A:51:ASN:HD22	11	11.0
(1,56)	1:B:73:SER:H	1:B:51:ASN:HD22	11	11.0
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG2	16	11.0
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG3	16	11.0
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG2	16	11.0
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG3	16	11.0
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG2	16	11.0
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG3	16	11.0
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG2	16	11.0
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG3	16	11.0
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD1	6	10.99
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD2	6	10.99
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD1	6	10.99
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD2	6	10.99
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD1	6	10.99
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD2	6	10.99
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD1	6	10.99
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD2	6	10.99
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD1	6	10.99
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD2	6	10.99
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD1	6	10.99
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD2	6	10.99
(1,56)	1:A:73:SER:H	1:A:51:ASN:HD22	19	10.97
(1,56)	1:A:73:SER:H	1:B:51:ASN:HD22	19	10.97
(1,56)	1:B:73:SER:H	1:A:51:ASN:HD22	19	10.97
(1,56)	1:B:73:SER:H	1:B:51:ASN:HD22	19	10.97
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD2	2	10.97
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD3	2	10.97
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD2	2	10.97
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD3	2	10.97
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD2	2	10.97
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD3	2	10.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD2	2	10.97
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD3	2	10.97
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB2	13	10.96
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB3	13	10.96
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB2	13	10.96
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB3	13	10.96
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB2	13	10.96
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB3	13	10.96
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB2	13	10.96
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB3	13	10.96
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG2	11	10.96
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG3	11	10.96
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG2	11	10.96
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG3	11	10.96
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG2	11	10.96
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG3	11	10.96
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG2	11	10.96
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG3	11	10.96
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD1	15	10.95
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD2	15	10.95
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD1	15	10.95
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD2	15	10.95
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD1	15	10.95
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD2	15	10.95
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD1	15	10.95
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD2	15	10.95
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD1	15	10.95
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD2	15	10.95
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD1	15	10.95
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD2	15	10.95
(1,227)	1:A:73:SER:HA	1:A:51:ASN:HD22	6	10.95
(1,227)	1:A:73:SER:HA	1:B:51:ASN:HD22	6	10.95
(1,227)	1:B:73:SER:HA	1:A:51:ASN:HD22	6	10.95
(1,227)	1:B:73:SER:HA	1:B:51:ASN:HD22	6	10.95
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD2	1	10.94
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD3	1	10.94
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD2	1	10.94
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD3	1	10.94
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD2	1	10.94
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD3	1	10.94
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD2	1	10.94
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD3	1	10.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG2	7	10.94
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG3	7	10.94
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG2	7	10.94
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG3	7	10.94
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG2	7	10.94
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG3	7	10.94
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG2	7	10.94
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG3	7	10.94
(1,56)	1:A:73:SER:H	1:A:51:ASN:HD22	5	10.93
(1,56)	1:A:73:SER:H	1:B:51:ASN:HD22	5	10.93
(1,56)	1:B:73:SER:H	1:A:51:ASN:HD22	5	10.93
(1,56)	1:B:73:SER:H	1:B:51:ASN:HD22	5	10.93
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB2	11	10.92
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB3	11	10.92
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB2	11	10.92
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB3	11	10.92
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB2	11	10.92
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB3	11	10.92
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB2	11	10.92
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB3	11	10.92
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG2	3	10.92
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG3	3	10.92
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG2	3	10.92
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG3	3	10.92
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG2	3	10.92
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG3	3	10.92
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG2	3	10.92
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG3	3	10.92
(1,217)	1:A:73:SER:HA	1:A:51:ASN:HD21	3	10.89
(1,217)	1:A:73:SER:HA	1:B:51:ASN:HD21	3	10.89
(1,217)	1:B:73:SER:HA	1:A:51:ASN:HD21	3	10.89
(1,217)	1:B:73:SER:HA	1:B:51:ASN:HD21	3	10.89
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD1	12	10.88
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD2	12	10.88
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD1	12	10.88
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD2	12	10.88
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD1	12	10.88
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD2	12	10.88
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD1	12	10.88
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD2	12	10.88
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD1	12	10.88
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD2	12	10.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD1	12	10.88
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD2	12	10.88
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB2	19	10.87
(1,856)	1:A:93:ARG:HA	1:A:72:HIS:HB3	19	10.87
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB2	19	10.87
(1,856)	1:A:93:ARG:HA	1:B:72:HIS:HB3	19	10.87
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB2	19	10.87
(1,856)	1:B:93:ARG:HA	1:A:72:HIS:HB3	19	10.87
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB2	19	10.87
(1,856)	1:B:93:ARG:HA	1:B:72:HIS:HB3	19	10.87
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG2	8	10.87
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG3	8	10.87
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG2	8	10.87
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG3	8	10.87
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG2	8	10.87
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG3	8	10.87
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG2	8	10.87
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG3	8	10.87
(1,56)	1:A:73:SER:H	1:A:51:ASN:HD22	16	10.87
(1,56)	1:A:73:SER:H	1:B:51:ASN:HD22	16	10.87
(1,56)	1:B:73:SER:H	1:A:51:ASN:HD22	16	10.87
(1,56)	1:B:73:SER:H	1:B:51:ASN:HD22	16	10.87
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG2	20	10.86
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG3	20	10.86
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG2	20	10.86
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG3	20	10.86
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG2	20	10.86
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG3	20	10.86
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG2	20	10.86
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG3	20	10.86
(1,217)	1:A:73:SER:HA	1:A:51:ASN:HD21	8	10.85
(1,217)	1:A:73:SER:HA	1:B:51:ASN:HD21	8	10.85
(1,217)	1:B:73:SER:HA	1:A:51:ASN:HD21	8	10.85
(1,217)	1:B:73:SER:HA	1:B:51:ASN:HD21	8	10.85
(1,56)	1:A:73:SER:H	1:A:51:ASN:HD22	13	10.83
(1,56)	1:A:73:SER:H	1:B:51:ASN:HD22	13	10.83
(1,56)	1:B:73:SER:H	1:A:51:ASN:HD22	13	10.83
(1,56)	1:B:73:SER:H	1:B:51:ASN:HD22	13	10.83
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD2	5	10.83
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD3	5	10.83
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD2	5	10.83
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD3	5	10.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD2	5	10.83
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD3	5	10.83
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD2	5	10.83
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD3	5	10.83
(1,56)	1:A:73:SER:H	1:A:51:ASN:HD22	14	10.82
(1,56)	1:A:73:SER:H	1:B:51:ASN:HD22	14	10.82
(1,56)	1:B:73:SER:H	1:A:51:ASN:HD22	14	10.82
(1,56)	1:B:73:SER:H	1:B:51:ASN:HD22	14	10.82
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG2	13	10.82
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG3	13	10.82
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG2	13	10.82
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG3	13	10.82
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG2	13	10.82
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG3	13	10.82
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG2	13	10.82
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG3	13	10.82
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG2	18	10.82
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG3	18	10.82
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG2	18	10.82
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG3	18	10.82
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG2	18	10.82
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG3	18	10.82
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG2	18	10.82
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG3	18	10.82
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD2	15	10.79
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD3	15	10.79
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD2	15	10.79
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD3	15	10.79
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD2	15	10.79
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD3	15	10.79
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD2	15	10.79
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD3	15	10.79
(1,227)	1:A:73:SER:HA	1:A:51:ASN:HD22	20	10.75
(1,227)	1:A:73:SER:HA	1:B:51:ASN:HD22	20	10.75
(1,227)	1:B:73:SER:HA	1:A:51:ASN:HD22	20	10.75
(1,227)	1:B:73:SER:HA	1:B:51:ASN:HD22	20	10.75
(1,220)	1:A:73:SER:HB2	1:A:51:ASN:HD21	6	10.75
(1,220)	1:A:73:SER:HB2	1:B:51:ASN:HD21	6	10.75
(1,220)	1:A:73:SER:HB3	1:A:51:ASN:HD21	6	10.75
(1,220)	1:A:73:SER:HB3	1:B:51:ASN:HD21	6	10.75
(1,220)	1:B:73:SER:HB2	1:A:51:ASN:HD21	6	10.75
(1,220)	1:B:73:SER:HB2	1:B:51:ASN:HD21	6	10.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:B:73:SER:HB3	1:A:51:ASN:HD21	6	10.75
(1,220)	1:B:73:SER:HB3	1:B:51:ASN:HD21	6	10.75
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG2	19	10.74
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG3	19	10.74
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG2	19	10.74
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG3	19	10.74
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG2	19	10.74
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG3	19	10.74
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG2	19	10.74
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG3	19	10.74
(1,217)	1:A:73:SER:HA	1:A:51:ASN:HD21	15	10.74
(1,217)	1:A:73:SER:HA	1:B:51:ASN:HD21	15	10.74
(1,217)	1:B:73:SER:HA	1:A:51:ASN:HD21	15	10.74
(1,217)	1:B:73:SER:HA	1:B:51:ASN:HD21	15	10.74
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG2	10	10.72
(1,772)	1:A:94:ALA:H	1:A:71:ARG:HG3	10	10.72
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG2	10	10.72
(1,772)	1:A:94:ALA:H	1:B:71:ARG:HG3	10	10.72
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG2	10	10.72
(1,772)	1:B:94:ALA:H	1:A:71:ARG:HG3	10	10.72
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG2	10	10.72
(1,772)	1:B:94:ALA:H	1:B:71:ARG:HG3	10	10.72
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD1	16	10.72
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD2	16	10.72
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD1	16	10.72
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD2	16	10.72
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD1	16	10.72
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD2	16	10.72
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD1	16	10.72
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD2	16	10.72
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD1	16	10.72
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD2	16	10.72
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD1	16	10.72
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD2	16	10.72
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD2	19	10.72
(1,454)	1:A:93:ARG:HB2	1:A:71:ARG:HD3	19	10.72
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD2	19	10.72
(1,454)	1:A:93:ARG:HB2	1:B:71:ARG:HD3	19	10.72
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD2	19	10.72
(1,454)	1:B:93:ARG:HB2	1:A:71:ARG:HD3	19	10.72
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD2	19	10.72
(1,454)	1:B:93:ARG:HB2	1:B:71:ARG:HD3	19	10.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,217)	1:A:73:SER:HA	1:A:51:ASN:HD21	1	10.72
(1,217)	1:A:73:SER:HA	1:B:51:ASN:HD21	1	10.72
(1,217)	1:B:73:SER:HA	1:A:51:ASN:HD21	1	10.72
(1,217)	1:B:73:SER:HA	1:B:51:ASN:HD21	1	10.72
(1,56)	1:A:73:SER:H	1:A:51:ASN:HD22	10	10.7
(1,56)	1:A:73:SER:H	1:B:51:ASN:HD22	10	10.7
(1,56)	1:B:73:SER:H	1:A:51:ASN:HD22	10	10.7
(1,56)	1:B:73:SER:H	1:B:51:ASN:HD22	10	10.7
(1,217)	1:A:73:SER:HA	1:A:51:ASN:HD21	7	10.7
(1,217)	1:A:73:SER:HA	1:B:51:ASN:HD21	7	10.7
(1,217)	1:B:73:SER:HA	1:A:51:ASN:HD21	7	10.7
(1,217)	1:B:73:SER:HA	1:B:51:ASN:HD21	7	10.7
(1,227)	1:A:73:SER:HA	1:A:51:ASN:HD22	3	10.66
(1,227)	1:A:73:SER:HA	1:B:51:ASN:HD22	3	10.66
(1,227)	1:B:73:SER:HA	1:A:51:ASN:HD22	3	10.66
(1,227)	1:B:73:SER:HA	1:B:51:ASN:HD22	3	10.66
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG2	8	10.64
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG3	8	10.64
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG2	8	10.64
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG3	8	10.64
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG2	8	10.64
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG3	8	10.64
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG2	8	10.64
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG3	8	10.64
(1,220)	1:A:73:SER:HB2	1:A:51:ASN:HD21	20	10.63
(1,220)	1:A:73:SER:HB2	1:B:51:ASN:HD21	20	10.63
(1,220)	1:A:73:SER:HB3	1:A:51:ASN:HD21	20	10.63
(1,220)	1:A:73:SER:HB3	1:B:51:ASN:HD21	20	10.63
(1,220)	1:B:73:SER:HB2	1:A:51:ASN:HD21	20	10.63
(1,220)	1:B:73:SER:HB2	1:B:51:ASN:HD21	20	10.63
(1,220)	1:B:73:SER:HB3	1:A:51:ASN:HD21	20	10.63
(1,220)	1:B:73:SER:HB3	1:B:51:ASN:HD21	20	10.63
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD1	1	10.62
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD2	1	10.62
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD1	1	10.62
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD2	1	10.62
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD1	1	10.62
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD2	1	10.62
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD1	1	10.62
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD2	1	10.62
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD1	1	10.62
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD2	1	10.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD1	1	10.62
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD2	1	10.62
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD2	6	10.55
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD3	6	10.55
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD2	6	10.55
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD3	6	10.55
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD2	6	10.55
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD3	6	10.55
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD2	6	10.55
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD3	6	10.55
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD2	14	10.54
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD3	14	10.54
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD2	14	10.54
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD3	14	10.54
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD2	14	10.54
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD3	14	10.54
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD2	14	10.54
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD3	14	10.54
(1,227)	1:A:73:SER:HA	1:A:51:ASN:HD22	8	10.52
(1,227)	1:A:73:SER:HA	1:B:51:ASN:HD22	8	10.52
(1,227)	1:B:73:SER:HA	1:A:51:ASN:HD22	8	10.52
(1,227)	1:B:73:SER:HA	1:B:51:ASN:HD22	8	10.52
(1,220)	1:A:73:SER:HB2	1:A:51:ASN:HD21	3	10.51
(1,220)	1:A:73:SER:HB2	1:B:51:ASN:HD21	3	10.51
(1,220)	1:A:73:SER:HB3	1:A:51:ASN:HD21	3	10.51
(1,220)	1:A:73:SER:HB3	1:B:51:ASN:HD21	3	10.51
(1,220)	1:B:73:SER:HB2	1:A:51:ASN:HD21	3	10.51
(1,220)	1:B:73:SER:HB2	1:B:51:ASN:HD21	3	10.51
(1,220)	1:B:73:SER:HB3	1:A:51:ASN:HD21	3	10.51
(1,220)	1:B:73:SER:HB3	1:B:51:ASN:HD21	3	10.51
(1,217)	1:A:73:SER:HA	1:A:51:ASN:HD21	19	10.51
(1,217)	1:A:73:SER:HA	1:B:51:ASN:HD21	19	10.51
(1,217)	1:B:73:SER:HA	1:A:51:ASN:HD21	19	10.51
(1,217)	1:B:73:SER:HA	1:B:51:ASN:HD21	19	10.51
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG2	10	10.5
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG3	10	10.5
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG2	10	10.5
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG3	10	10.5
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG2	10	10.5
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG3	10	10.5
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG2	10	10.5
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG3	10	10.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG2	19	10.5
(1,313)	1:A:93:ARG:H	1:A:71:ARG:HG3	19	10.5
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG2	19	10.5
(1,313)	1:A:93:ARG:H	1:B:71:ARG:HG3	19	10.5
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG2	19	10.5
(1,313)	1:B:93:ARG:H	1:A:71:ARG:HG3	19	10.5
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG2	19	10.5
(1,313)	1:B:93:ARG:H	1:B:71:ARG:HG3	19	10.5
(1,227)	1:A:73:SER:HA	1:A:51:ASN:HD22	15	10.48
(1,227)	1:A:73:SER:HA	1:B:51:ASN:HD22	15	10.48
(1,227)	1:B:73:SER:HA	1:A:51:ASN:HD22	15	10.48
(1,227)	1:B:73:SER:HA	1:B:51:ASN:HD22	15	10.48
(1,227)	1:A:73:SER:HA	1:A:51:ASN:HD22	1	10.47
(1,227)	1:A:73:SER:HA	1:B:51:ASN:HD22	1	10.47
(1,227)	1:B:73:SER:HA	1:A:51:ASN:HD22	1	10.47
(1,227)	1:B:73:SER:HA	1:B:51:ASN:HD22	1	10.47
(1,217)	1:A:73:SER:HA	1:A:51:ASN:HD21	11	10.47
(1,217)	1:A:73:SER:HA	1:B:51:ASN:HD21	11	10.47
(1,217)	1:B:73:SER:HA	1:A:51:ASN:HD21	11	10.47
(1,217)	1:B:73:SER:HA	1:B:51:ASN:HD21	11	10.47
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD2	3	10.45
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD3	3	10.45
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD2	3	10.45
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD3	3	10.45
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD2	3	10.45
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD3	3	10.45
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD2	3	10.45
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD3	3	10.45
(1,220)	1:A:73:SER:HB2	1:A:51:ASN:HD21	8	10.45
(1,220)	1:A:73:SER:HB2	1:B:51:ASN:HD21	8	10.45
(1,220)	1:A:73:SER:HB3	1:A:51:ASN:HD21	8	10.45
(1,220)	1:A:73:SER:HB3	1:B:51:ASN:HD21	8	10.45
(1,220)	1:B:73:SER:HB2	1:A:51:ASN:HD21	8	10.45
(1,220)	1:B:73:SER:HB2	1:B:51:ASN:HD21	8	10.45
(1,220)	1:B:73:SER:HB3	1:A:51:ASN:HD21	8	10.45
(1,220)	1:B:73:SER:HB3	1:B:51:ASN:HD21	8	10.45
(1,217)	1:A:73:SER:HA	1:A:51:ASN:HD21	18	10.45
(1,217)	1:A:73:SER:HA	1:B:51:ASN:HD21	18	10.45
(1,217)	1:B:73:SER:HA	1:A:51:ASN:HD21	18	10.45
(1,217)	1:B:73:SER:HA	1:B:51:ASN:HD21	18	10.45
(1,217)	1:A:73:SER:HA	1:A:51:ASN:HD21	12	10.44
(1,217)	1:A:73:SER:HA	1:B:51:ASN:HD21	12	10.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,217)	1:B:73:SER:HA	1:A:51:ASN:HD21	12	10.44
(1,217)	1:B:73:SER:HA	1:B:51:ASN:HD21	12	10.44
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD2	16	10.42
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD3	16	10.42
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD2	16	10.42
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD3	16	10.42
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD2	16	10.42
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD3	16	10.42
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD2	16	10.42
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD3	16	10.42
(1,227)	1:A:73:SER:HA	1:A:51:ASN:HD22	7	10.41
(1,227)	1:A:73:SER:HA	1:B:51:ASN:HD22	7	10.41
(1,227)	1:B:73:SER:HA	1:A:51:ASN:HD22	7	10.41
(1,227)	1:B:73:SER:HA	1:B:51:ASN:HD22	7	10.41
(1,217)	1:A:73:SER:HA	1:A:51:ASN:HD21	16	10.41
(1,217)	1:A:73:SER:HA	1:B:51:ASN:HD21	16	10.41
(1,217)	1:B:73:SER:HA	1:A:51:ASN:HD21	16	10.41
(1,217)	1:B:73:SER:HA	1:B:51:ASN:HD21	16	10.41
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD2	20	10.4
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD3	20	10.4
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD2	20	10.4
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD3	20	10.4
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD2	20	10.4
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD3	20	10.4
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD2	20	10.4
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD3	20	10.4
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD1	2	10.39
(1,578)	1:A:43:GLU:HG2	1:A:72:HIS:HD2	2	10.39
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD1	2	10.39
(1,578)	1:A:43:GLU:HG2	1:B:72:HIS:HD2	2	10.39
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD1	2	10.39
(1,578)	1:B:43:GLU:HG2	1:A:72:HIS:HD2	2	10.39
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD1	2	10.39
(1,578)	1:B:43:GLU:HG2	1:B:72:HIS:HD2	2	10.39
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD1	2	10.39
(1,578)	1:B:43:GLU:HG3	1:A:72:HIS:HD2	2	10.39
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD1	2	10.39
(1,578)	1:B:43:GLU:HG3	1:B:72:HIS:HD2	2	10.39
(1,217)	1:A:73:SER:HA	1:A:51:ASN:HD21	14	10.39
(1,217)	1:A:73:SER:HA	1:B:51:ASN:HD21	14	10.39
(1,217)	1:B:73:SER:HA	1:A:51:ASN:HD21	14	10.39
(1,217)	1:B:73:SER:HA	1:B:51:ASN:HD21	14	10.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD2	4	10.38
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD3	4	10.38
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD2	4	10.38
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD3	4	10.38
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD2	4	10.38
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD3	4	10.38
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD2	4	10.38
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD3	4	10.38
(1,613)	1:A:61:ILE:HG12	1:A:36:LYS:HE2	1	10.37
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE2	1	10.37
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE3	1	10.37
(1,613)	1:A:61:ILE:HG13	1:A:36:LYS:HE2	1	10.37
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE2	1	10.37
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE3	1	10.37
(1,613)	1:A:61:ILE:HG21	1:A:36:LYS:HE2	1	10.37
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE2	1	10.37
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE3	1	10.37
(1,613)	1:A:61:ILE:HG22	1:A:36:LYS:HE2	1	10.37
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE2	1	10.37
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE3	1	10.37
(1,613)	1:A:61:ILE:HG23	1:A:36:LYS:HE2	1	10.37
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE2	1	10.37
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	1	10.37
(1,613)	1:B:61:ILE:HG12	1:A:36:LYS:HE2	1	10.37
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE2	1	10.37
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE3	1	10.37
(1,613)	1:B:61:ILE:HG13	1:A:36:LYS:HE2	1	10.37
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE2	1	10.37
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE3	1	10.37
(1,613)	1:B:61:ILE:HG21	1:A:36:LYS:HE2	1	10.37
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE2	1	10.37
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE3	1	10.37
(1,613)	1:B:61:ILE:HG22	1:A:36:LYS:HE2	1	10.37
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE2	1	10.37
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE3	1	10.37
(1,613)	1:B:61:ILE:HG23	1:A:36:LYS:HE2	1	10.37
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE2	1	10.37
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE3	1	10.37
(1,56)	1:A:73:SER:H	1:A:51:ASN:HD22	8	10.33
(1,56)	1:A:73:SER:H	1:B:51:ASN:HD22	8	10.33
(1,56)	1:B:73:SER:H	1:A:51:ASN:HD22	8	10.33
(1,56)	1:B:73:SER:H	1:B:51:ASN:HD22	8	10.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD2	7	10.33
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD3	7	10.33
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD2	7	10.33
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD3	7	10.33
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD2	7	10.33
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD3	7	10.33
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD2	7	10.33
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD3	7	10.33
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD2	17	10.33
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD3	17	10.33
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD2	17	10.33
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD3	17	10.33
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD2	17	10.33
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD3	17	10.33
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD2	17	10.33
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD3	17	10.33
(1,217)	1:A:73:SER:HA	1:A:51:ASN:HD21	10	10.32
(1,217)	1:A:73:SER:HA	1:B:51:ASN:HD21	10	10.32
(1,217)	1:B:73:SER:HA	1:A:51:ASN:HD21	10	10.32
(1,217)	1:B:73:SER:HA	1:B:51:ASN:HD21	10	10.32
(1,56)	1:A:73:SER:H	1:A:51:ASN:HD22	4	10.31
(1,56)	1:A:73:SER:H	1:B:51:ASN:HD22	4	10.31
(1,56)	1:B:73:SER:H	1:A:51:ASN:HD22	4	10.31
(1,56)	1:B:73:SER:H	1:B:51:ASN:HD22	4	10.31
(1,220)	1:A:73:SER:HB2	1:A:51:ASN:HD21	15	10.31
(1,220)	1:A:73:SER:HB2	1:B:51:ASN:HD21	15	10.31
(1,220)	1:A:73:SER:HB3	1:A:51:ASN:HD21	15	10.31
(1,220)	1:A:73:SER:HB3	1:B:51:ASN:HD21	15	10.31
(1,220)	1:B:73:SER:HB2	1:A:51:ASN:HD21	15	10.31
(1,220)	1:B:73:SER:HB2	1:B:51:ASN:HD21	15	10.31
(1,220)	1:B:73:SER:HB3	1:A:51:ASN:HD21	15	10.31
(1,220)	1:B:73:SER:HB3	1:B:51:ASN:HD21	15	10.31
(1,217)	1:A:73:SER:HA	1:A:51:ASN:HD21	13	10.3
(1,217)	1:A:73:SER:HA	1:B:51:ASN:HD21	13	10.3
(1,217)	1:B:73:SER:HA	1:A:51:ASN:HD21	13	10.3
(1,217)	1:B:73:SER:HA	1:B:51:ASN:HD21	13	10.3
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB2	9	10.22
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB3	9	10.22
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB2	9	10.22
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB3	9	10.22
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB2	9	10.22
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB3	9	10.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB2	9	10.22
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB3	9	10.22
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB2	9	10.22
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB3	9	10.22
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB2	9	10.22
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB3	9	10.22
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB2	9	10.22
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB3	9	10.22
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB2	9	10.22
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB3	9	10.22
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB2	9	10.22
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB3	9	10.22
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB2	9	10.22
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB3	9	10.22
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB2	9	10.22
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB3	9	10.22
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB2	9	10.22
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB3	9	10.22
(1,227)	1:A:73:SER:HA	1:A:51:ASN:HD22	12	10.22
(1,227)	1:A:73:SER:HA	1:B:51:ASN:HD22	12	10.22
(1,227)	1:B:73:SER:HA	1:A:51:ASN:HD22	12	10.22
(1,227)	1:B:73:SER:HA	1:B:51:ASN:HD22	12	10.22
(1,227)	1:A:73:SER:HA	1:A:51:ASN:HD22	18	10.21
(1,227)	1:A:73:SER:HA	1:B:51:ASN:HD22	18	10.21
(1,227)	1:B:73:SER:HA	1:A:51:ASN:HD22	18	10.21
(1,227)	1:B:73:SER:HA	1:B:51:ASN:HD22	18	10.21
(1,56)	1:A:73:SER:H	1:A:51:ASN:HD22	9	10.2
(1,56)	1:A:73:SER:H	1:B:51:ASN:HD22	9	10.2
(1,56)	1:B:73:SER:H	1:A:51:ASN:HD22	9	10.2
(1,56)	1:B:73:SER:H	1:B:51:ASN:HD22	9	10.2
(1,227)	1:A:73:SER:HA	1:A:51:ASN:HD22	19	10.19
(1,227)	1:A:73:SER:HA	1:B:51:ASN:HD22	19	10.19
(1,227)	1:B:73:SER:HA	1:A:51:ASN:HD22	19	10.19
(1,227)	1:B:73:SER:HA	1:B:51:ASN:HD22	19	10.19
(1,217)	1:A:73:SER:HA	1:A:51:ASN:HD21	5	10.19
(1,217)	1:A:73:SER:HA	1:B:51:ASN:HD21	5	10.19
(1,217)	1:B:73:SER:HA	1:A:51:ASN:HD21	5	10.19
(1,217)	1:B:73:SER:HA	1:B:51:ASN:HD21	5	10.19
(1,613)	1:A:61:ILE:HG12	1:A:36:LYS:HE2	7	10.17
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE2	7	10.17
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE3	7	10.17
(1,613)	1:A:61:ILE:HG13	1:A:36:LYS:HE2	7	10.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE2	7	10.17
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE3	7	10.17
(1,613)	1:A:61:ILE:HG21	1:A:36:LYS:HE2	7	10.17
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE2	7	10.17
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE3	7	10.17
(1,613)	1:A:61:ILE:HG22	1:A:36:LYS:HE2	7	10.17
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE2	7	10.17
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE3	7	10.17
(1,613)	1:A:61:ILE:HG23	1:A:36:LYS:HE2	7	10.17
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE2	7	10.17
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	7	10.17
(1,613)	1:B:61:ILE:HG12	1:A:36:LYS:HE2	7	10.17
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE2	7	10.17
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE3	7	10.17
(1,613)	1:B:61:ILE:HG13	1:A:36:LYS:HE2	7	10.17
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE2	7	10.17
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE3	7	10.17
(1,613)	1:B:61:ILE:HG21	1:A:36:LYS:HE2	7	10.17
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE2	7	10.17
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE3	7	10.17
(1,613)	1:B:61:ILE:HG22	1:A:36:LYS:HE2	7	10.17
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE2	7	10.17
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE3	7	10.17
(1,613)	1:B:61:ILE:HG23	1:A:36:LYS:HE2	7	10.17
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE2	7	10.17
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE3	7	10.17
(1,227)	1:A:73:SER:HA	1:A:51:ASN:HD22	11	10.17
(1,227)	1:A:73:SER:HA	1:B:51:ASN:HD22	11	10.17
(1,227)	1:B:73:SER:HA	1:A:51:ASN:HD22	11	10.17
(1,227)	1:B:73:SER:HA	1:B:51:ASN:HD22	11	10.17
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD2	18	10.16
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD3	18	10.16
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD2	18	10.16
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD3	18	10.16
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD2	18	10.16
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD3	18	10.16
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD2	18	10.16
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD3	18	10.16
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD2	10	10.15
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD3	10	10.15
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD2	10	10.15
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD3	10	10.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD2	10	10.15
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD3	10	10.15
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD2	10	10.15
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD3	10	10.15
(1,220)	1:A:73:SER:HB2	1:A:51:ASN:HD21	1	10.15
(1,220)	1:A:73:SER:HB2	1:B:51:ASN:HD21	1	10.15
(1,220)	1:A:73:SER:HB3	1:A:51:ASN:HD21	1	10.15
(1,220)	1:A:73:SER:HB3	1:B:51:ASN:HD21	1	10.15
(1,220)	1:B:73:SER:HB2	1:A:51:ASN:HD21	1	10.15
(1,220)	1:B:73:SER:HB2	1:B:51:ASN:HD21	1	10.15
(1,220)	1:B:73:SER:HB3	1:A:51:ASN:HD21	1	10.15
(1,220)	1:B:73:SER:HB3	1:B:51:ASN:HD21	1	10.15
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD2	8	10.14
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD3	8	10.14
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD2	8	10.14
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD3	8	10.14
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD2	8	10.14
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD3	8	10.14
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD2	8	10.14
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD3	8	10.14
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD2	11	10.14
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD3	11	10.14
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD2	11	10.14
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD3	11	10.14
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD2	11	10.14
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD3	11	10.14
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD2	11	10.14
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD3	11	10.14
(1,220)	1:A:73:SER:HB2	1:A:51:ASN:HD21	14	10.12
(1,220)	1:A:73:SER:HB2	1:B:51:ASN:HD21	14	10.12
(1,220)	1:A:73:SER:HB3	1:A:51:ASN:HD21	14	10.12
(1,220)	1:A:73:SER:HB3	1:B:51:ASN:HD21	14	10.12
(1,220)	1:B:73:SER:HB2	1:A:51:ASN:HD21	14	10.12
(1,220)	1:B:73:SER:HB2	1:B:51:ASN:HD21	14	10.12
(1,220)	1:B:73:SER:HB3	1:A:51:ASN:HD21	14	10.12
(1,220)	1:B:73:SER:HB3	1:B:51:ASN:HD21	14	10.12
(1,219)	1:A:72:HIS:HB2	1:A:51:ASN:HD21	8	10.11
(1,219)	1:A:72:HIS:HB2	1:B:51:ASN:HD21	8	10.11
(1,219)	1:A:72:HIS:HB3	1:A:51:ASN:HD21	8	10.11
(1,219)	1:A:72:HIS:HB3	1:B:51:ASN:HD21	8	10.11
(1,219)	1:B:72:HIS:HB2	1:A:51:ASN:HD21	8	10.11
(1,219)	1:B:72:HIS:HB2	1:B:51:ASN:HD21	8	10.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:B:72:HIS:HB3	1:A:51:ASN:HD21	8	10.11
(1,219)	1:B:72:HIS:HB3	1:B:51:ASN:HD21	8	10.11
(1,542)	1:A:72:HIS:HB2	1:A:51:ASN:HD22	8	10.09
(1,542)	1:A:72:HIS:HB2	1:B:51:ASN:HD22	8	10.09
(1,542)	1:A:72:HIS:HB3	1:A:51:ASN:HD22	8	10.09
(1,542)	1:A:72:HIS:HB3	1:B:51:ASN:HD22	8	10.09
(1,542)	1:B:72:HIS:HB2	1:A:51:ASN:HD22	8	10.09
(1,542)	1:B:72:HIS:HB2	1:B:51:ASN:HD22	8	10.09
(1,542)	1:B:72:HIS:HB3	1:A:51:ASN:HD22	8	10.09
(1,542)	1:B:72:HIS:HB3	1:B:51:ASN:HD22	8	10.09
(1,220)	1:A:73:SER:HB2	1:A:51:ASN:HD21	7	10.09
(1,220)	1:A:73:SER:HB2	1:B:51:ASN:HD21	7	10.09
(1,220)	1:A:73:SER:HB3	1:A:51:ASN:HD21	7	10.09
(1,220)	1:A:73:SER:HB3	1:B:51:ASN:HD21	7	10.09
(1,220)	1:B:73:SER:HB2	1:A:51:ASN:HD21	7	10.09
(1,220)	1:B:73:SER:HB2	1:B:51:ASN:HD21	7	10.09
(1,220)	1:B:73:SER:HB3	1:A:51:ASN:HD21	7	10.09
(1,220)	1:B:73:SER:HB3	1:B:51:ASN:HD21	7	10.09
(1,219)	1:A:72:HIS:HB2	1:A:51:ASN:HD21	20	10.08
(1,219)	1:A:72:HIS:HB2	1:B:51:ASN:HD21	20	10.08
(1,219)	1:A:72:HIS:HB3	1:A:51:ASN:HD21	20	10.08
(1,219)	1:A:72:HIS:HB3	1:B:51:ASN:HD21	20	10.08
(1,219)	1:B:72:HIS:HB2	1:A:51:ASN:HD21	20	10.08
(1,219)	1:B:72:HIS:HB2	1:B:51:ASN:HD21	20	10.08
(1,219)	1:B:72:HIS:HB3	1:A:51:ASN:HD21	20	10.08
(1,219)	1:B:72:HIS:HB3	1:B:51:ASN:HD21	20	10.08
(1,613)	1:A:61:ILE:HG12	1:A:36:LYS:HE2	2	10.07
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE2	2	10.07
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE3	2	10.07
(1,613)	1:A:61:ILE:HG13	1:A:36:LYS:HE2	2	10.07
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE2	2	10.07
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE3	2	10.07
(1,613)	1:A:61:ILE:HG21	1:A:36:LYS:HE2	2	10.07
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE2	2	10.07
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE3	2	10.07
(1,613)	1:A:61:ILE:HG22	1:A:36:LYS:HE2	2	10.07
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE2	2	10.07
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE3	2	10.07
(1,613)	1:A:61:ILE:HG23	1:A:36:LYS:HE2	2	10.07
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE2	2	10.07
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	2	10.07
(1,613)	1:B:61:ILE:HG12	1:A:36:LYS:HE2	2	10.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE2	2	10.07
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE3	2	10.07
(1,613)	1:B:61:ILE:HG13	1:A:36:LYS:HE2	2	10.07
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE2	2	10.07
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE3	2	10.07
(1,613)	1:B:61:ILE:HG21	1:A:36:LYS:HE2	2	10.07
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE2	2	10.07
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE3	2	10.07
(1,613)	1:B:61:ILE:HG22	1:A:36:LYS:HE2	2	10.07
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE2	2	10.07
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE3	2	10.07
(1,613)	1:B:61:ILE:HG23	1:A:36:LYS:HE2	2	10.07
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE2	2	10.07
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE3	2	10.07
(1,542)	1:A:72:HIS:HB2	1:A:51:ASN:HD22	20	10.07
(1,542)	1:A:72:HIS:HB2	1:B:51:ASN:HD22	20	10.07
(1,542)	1:A:72:HIS:HB3	1:A:51:ASN:HD22	20	10.07
(1,542)	1:A:72:HIS:HB3	1:B:51:ASN:HD22	20	10.07
(1,542)	1:B:72:HIS:HB2	1:A:51:ASN:HD22	20	10.07
(1,542)	1:B:72:HIS:HB2	1:B:51:ASN:HD22	20	10.07
(1,542)	1:B:72:HIS:HB3	1:A:51:ASN:HD22	20	10.07
(1,542)	1:B:72:HIS:HB3	1:B:51:ASN:HD22	20	10.07
(1,220)	1:A:73:SER:HB2	1:A:51:ASN:HD21	10	10.07
(1,220)	1:A:73:SER:HB2	1:B:51:ASN:HD21	10	10.07
(1,220)	1:A:73:SER:HB3	1:A:51:ASN:HD21	10	10.07
(1,220)	1:A:73:SER:HB3	1:B:51:ASN:HD21	10	10.07
(1,220)	1:B:73:SER:HB2	1:A:51:ASN:HD21	10	10.07
(1,220)	1:B:73:SER:HB2	1:B:51:ASN:HD21	10	10.07
(1,220)	1:B:73:SER:HB3	1:A:51:ASN:HD21	10	10.07
(1,220)	1:B:73:SER:HB3	1:B:51:ASN:HD21	10	10.07
(1,542)	1:A:72:HIS:HB2	1:A:51:ASN:HD22	3	10.04
(1,542)	1:A:72:HIS:HB2	1:B:51:ASN:HD22	3	10.04
(1,542)	1:A:72:HIS:HB3	1:A:51:ASN:HD22	3	10.04
(1,542)	1:A:72:HIS:HB3	1:B:51:ASN:HD22	3	10.04
(1,542)	1:B:72:HIS:HB2	1:A:51:ASN:HD22	3	10.04
(1,542)	1:B:72:HIS:HB2	1:B:51:ASN:HD22	3	10.04
(1,542)	1:B:72:HIS:HB3	1:A:51:ASN:HD22	3	10.04
(1,542)	1:B:72:HIS:HB3	1:B:51:ASN:HD22	3	10.04
(1,220)	1:A:73:SER:HB2	1:A:51:ASN:HD21	18	10.04
(1,220)	1:A:73:SER:HB2	1:B:51:ASN:HD21	18	10.04
(1,220)	1:A:73:SER:HB3	1:A:51:ASN:HD21	18	10.04
(1,220)	1:A:73:SER:HB3	1:B:51:ASN:HD21	18	10.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:B:73:SER:HB2	1:A:51:ASN:HD21	18	10.04
(1,220)	1:B:73:SER:HB2	1:B:51:ASN:HD21	18	10.04
(1,220)	1:B:73:SER:HB3	1:A:51:ASN:HD21	18	10.04
(1,220)	1:B:73:SER:HB3	1:B:51:ASN:HD21	18	10.04
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD2	13	10.03
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD3	13	10.03
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD2	13	10.03
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD3	13	10.03
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD2	13	10.03
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD3	13	10.03
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD2	13	10.03
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD3	13	10.03
(1,227)	1:A:73:SER:HA	1:A:51:ASN:HD22	14	10.03
(1,227)	1:A:73:SER:HA	1:B:51:ASN:HD22	14	10.03
(1,227)	1:B:73:SER:HA	1:A:51:ASN:HD22	14	10.03
(1,227)	1:B:73:SER:HA	1:B:51:ASN:HD22	14	10.03
(1,227)	1:A:73:SER:HA	1:A:51:ASN:HD22	16	10.03
(1,227)	1:A:73:SER:HA	1:B:51:ASN:HD22	16	10.03
(1,227)	1:B:73:SER:HA	1:A:51:ASN:HD22	16	10.03
(1,227)	1:B:73:SER:HA	1:B:51:ASN:HD22	16	10.03
(1,220)	1:A:73:SER:HB2	1:A:51:ASN:HD21	11	10.03
(1,220)	1:A:73:SER:HB2	1:B:51:ASN:HD21	11	10.03
(1,220)	1:A:73:SER:HB3	1:A:51:ASN:HD21	11	10.03
(1,220)	1:A:73:SER:HB3	1:B:51:ASN:HD21	11	10.03
(1,220)	1:B:73:SER:HB2	1:A:51:ASN:HD21	11	10.03
(1,220)	1:B:73:SER:HB2	1:B:51:ASN:HD21	11	10.03
(1,220)	1:B:73:SER:HB3	1:A:51:ASN:HD21	11	10.03
(1,220)	1:B:73:SER:HB3	1:B:51:ASN:HD21	11	10.03
(1,227)	1:A:73:SER:HA	1:A:51:ASN:HD22	13	9.99
(1,227)	1:A:73:SER:HA	1:B:51:ASN:HD22	13	9.99
(1,227)	1:B:73:SER:HA	1:A:51:ASN:HD22	13	9.99
(1,227)	1:B:73:SER:HA	1:B:51:ASN:HD22	13	9.99
(1,220)	1:A:73:SER:HB2	1:A:51:ASN:HD21	16	9.99
(1,220)	1:A:73:SER:HB2	1:B:51:ASN:HD21	16	9.99
(1,220)	1:A:73:SER:HB3	1:A:51:ASN:HD21	16	9.99
(1,220)	1:A:73:SER:HB3	1:B:51:ASN:HD21	16	9.99
(1,220)	1:B:73:SER:HB2	1:A:51:ASN:HD21	16	9.99
(1,220)	1:B:73:SER:HB2	1:B:51:ASN:HD21	16	9.99
(1,220)	1:B:73:SER:HB3	1:A:51:ASN:HD21	16	9.99
(1,220)	1:B:73:SER:HB3	1:B:51:ASN:HD21	16	9.99
(1,219)	1:A:72:HIS:HB2	1:A:51:ASN:HD21	3	9.99
(1,219)	1:A:72:HIS:HB2	1:B:51:ASN:HD21	3	9.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:A:72:HIS:HB3	1:A:51:ASN:HD21	3	9.99
(1,219)	1:A:72:HIS:HB3	1:B:51:ASN:HD21	3	9.99
(1,219)	1:B:72:HIS:HB2	1:A:51:ASN:HD21	3	9.99
(1,219)	1:B:72:HIS:HB2	1:B:51:ASN:HD21	3	9.99
(1,219)	1:B:72:HIS:HB3	1:A:51:ASN:HD21	3	9.99
(1,219)	1:B:72:HIS:HB3	1:B:51:ASN:HD21	3	9.99
(1,220)	1:A:73:SER:HB2	1:A:51:ASN:HD21	19	9.98
(1,220)	1:A:73:SER:HB2	1:B:51:ASN:HD21	19	9.98
(1,220)	1:A:73:SER:HB3	1:A:51:ASN:HD21	19	9.98
(1,220)	1:A:73:SER:HB3	1:B:51:ASN:HD21	19	9.98
(1,220)	1:B:73:SER:HB2	1:A:51:ASN:HD21	19	9.98
(1,220)	1:B:73:SER:HB2	1:B:51:ASN:HD21	19	9.98
(1,220)	1:B:73:SER:HB3	1:A:51:ASN:HD21	19	9.98
(1,220)	1:B:73:SER:HB3	1:B:51:ASN:HD21	19	9.98
(1,227)	1:A:73:SER:HA	1:A:51:ASN:HD22	10	9.95
(1,227)	1:A:73:SER:HA	1:B:51:ASN:HD22	10	9.95
(1,227)	1:B:73:SER:HA	1:A:51:ASN:HD22	10	9.95
(1,227)	1:B:73:SER:HA	1:B:51:ASN:HD22	10	9.95
(1,227)	1:A:73:SER:HA	1:A:51:ASN:HD22	5	9.93
(1,227)	1:A:73:SER:HA	1:B:51:ASN:HD22	5	9.93
(1,227)	1:B:73:SER:HA	1:A:51:ASN:HD22	5	9.93
(1,227)	1:B:73:SER:HA	1:B:51:ASN:HD22	5	9.93
(1,220)	1:A:73:SER:HB2	1:A:51:ASN:HD21	13	9.93
(1,220)	1:A:73:SER:HB2	1:B:51:ASN:HD21	13	9.93
(1,220)	1:A:73:SER:HB3	1:A:51:ASN:HD21	13	9.93
(1,220)	1:A:73:SER:HB3	1:B:51:ASN:HD21	13	9.93
(1,220)	1:B:73:SER:HB2	1:A:51:ASN:HD21	13	9.93
(1,220)	1:B:73:SER:HB2	1:B:51:ASN:HD21	13	9.93
(1,220)	1:B:73:SER:HB3	1:A:51:ASN:HD21	13	9.93
(1,220)	1:B:73:SER:HB3	1:B:51:ASN:HD21	13	9.93
(1,542)	1:A:72:HIS:HB2	1:A:51:ASN:HD22	12	9.92
(1,542)	1:A:72:HIS:HB2	1:B:51:ASN:HD22	12	9.92
(1,542)	1:A:72:HIS:HB3	1:A:51:ASN:HD22	12	9.92
(1,542)	1:A:72:HIS:HB3	1:B:51:ASN:HD22	12	9.92
(1,542)	1:B:72:HIS:HB2	1:A:51:ASN:HD22	12	9.92
(1,542)	1:B:72:HIS:HB2	1:B:51:ASN:HD22	12	9.92
(1,542)	1:B:72:HIS:HB3	1:A:51:ASN:HD22	12	9.92
(1,542)	1:B:72:HIS:HB3	1:B:51:ASN:HD22	12	9.92
(1,220)	1:A:73:SER:HB2	1:A:51:ASN:HD21	12	9.91
(1,220)	1:A:73:SER:HB2	1:B:51:ASN:HD21	12	9.91
(1,220)	1:A:73:SER:HB3	1:A:51:ASN:HD21	12	9.91
(1,220)	1:A:73:SER:HB3	1:B:51:ASN:HD21	12	9.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:B:73:SER:HB2	1:A:51:ASN:HD21	12	9.91
(1,220)	1:B:73:SER:HB2	1:B:51:ASN:HD21	12	9.91
(1,220)	1:B:73:SER:HB3	1:A:51:ASN:HD21	12	9.91
(1,220)	1:B:73:SER:HB3	1:B:51:ASN:HD21	12	9.91
(1,219)	1:A:72:HIS:HB2	1:A:51:ASN:HD21	12	9.9
(1,219)	1:A:72:HIS:HB2	1:B:51:ASN:HD21	12	9.9
(1,219)	1:A:72:HIS:HB3	1:A:51:ASN:HD21	12	9.9
(1,219)	1:A:72:HIS:HB3	1:B:51:ASN:HD21	12	9.9
(1,219)	1:B:72:HIS:HB2	1:A:51:ASN:HD21	12	9.9
(1,219)	1:B:72:HIS:HB2	1:B:51:ASN:HD21	12	9.9
(1,219)	1:B:72:HIS:HB3	1:A:51:ASN:HD21	12	9.9
(1,219)	1:B:72:HIS:HB3	1:B:51:ASN:HD21	12	9.9
(1,542)	1:A:72:HIS:HB2	1:A:51:ASN:HD22	15	9.88
(1,542)	1:A:72:HIS:HB2	1:B:51:ASN:HD22	15	9.88
(1,542)	1:A:72:HIS:HB3	1:A:51:ASN:HD22	15	9.88
(1,542)	1:A:72:HIS:HB3	1:B:51:ASN:HD22	15	9.88
(1,542)	1:B:72:HIS:HB2	1:A:51:ASN:HD22	15	9.88
(1,542)	1:B:72:HIS:HB2	1:B:51:ASN:HD22	15	9.88
(1,542)	1:B:72:HIS:HB3	1:A:51:ASN:HD22	15	9.88
(1,542)	1:B:72:HIS:HB3	1:B:51:ASN:HD22	15	9.88
(1,219)	1:A:72:HIS:HB2	1:A:51:ASN:HD21	1	9.88
(1,219)	1:A:72:HIS:HB2	1:B:51:ASN:HD21	1	9.88
(1,219)	1:A:72:HIS:HB3	1:A:51:ASN:HD21	1	9.88
(1,219)	1:A:72:HIS:HB3	1:B:51:ASN:HD21	1	9.88
(1,219)	1:B:72:HIS:HB2	1:A:51:ASN:HD21	1	9.88
(1,219)	1:B:72:HIS:HB2	1:B:51:ASN:HD21	1	9.88
(1,219)	1:B:72:HIS:HB3	1:A:51:ASN:HD21	1	9.88
(1,219)	1:B:72:HIS:HB3	1:B:51:ASN:HD21	1	9.88
(1,219)	1:A:72:HIS:HB2	1:A:51:ASN:HD21	7	9.88
(1,219)	1:A:72:HIS:HB2	1:B:51:ASN:HD21	7	9.88
(1,219)	1:A:72:HIS:HB3	1:A:51:ASN:HD21	7	9.88
(1,219)	1:A:72:HIS:HB3	1:B:51:ASN:HD21	7	9.88
(1,219)	1:B:72:HIS:HB2	1:A:51:ASN:HD21	7	9.88
(1,219)	1:B:72:HIS:HB2	1:B:51:ASN:HD21	7	9.88
(1,219)	1:B:72:HIS:HB3	1:A:51:ASN:HD21	7	9.88
(1,219)	1:B:72:HIS:HB3	1:B:51:ASN:HD21	7	9.88
(1,542)	1:A:72:HIS:HB2	1:A:51:ASN:HD22	1	9.85
(1,542)	1:A:72:HIS:HB2	1:B:51:ASN:HD22	1	9.85
(1,542)	1:A:72:HIS:HB3	1:A:51:ASN:HD22	1	9.85
(1,542)	1:A:72:HIS:HB3	1:B:51:ASN:HD22	1	9.85
(1,542)	1:B:72:HIS:HB2	1:A:51:ASN:HD22	1	9.85
(1,542)	1:B:72:HIS:HB2	1:B:51:ASN:HD22	1	9.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:B:72:HIS:HB3	1:A:51:ASN:HD22	1	9.85
(1,542)	1:B:72:HIS:HB3	1:B:51:ASN:HD22	1	9.85
(1,542)	1:A:72:HIS:HB2	1:A:51:ASN:HD22	7	9.85
(1,542)	1:A:72:HIS:HB2	1:B:51:ASN:HD22	7	9.85
(1,542)	1:A:72:HIS:HB3	1:A:51:ASN:HD22	7	9.85
(1,542)	1:A:72:HIS:HB3	1:B:51:ASN:HD22	7	9.85
(1,542)	1:B:72:HIS:HB2	1:A:51:ASN:HD22	7	9.85
(1,542)	1:B:72:HIS:HB2	1:B:51:ASN:HD22	7	9.85
(1,542)	1:B:72:HIS:HB3	1:A:51:ASN:HD22	7	9.85
(1,542)	1:B:72:HIS:HB3	1:B:51:ASN:HD22	7	9.85
(1,219)	1:A:72:HIS:HB2	1:A:51:ASN:HD21	15	9.85
(1,219)	1:A:72:HIS:HB2	1:B:51:ASN:HD21	15	9.85
(1,219)	1:A:72:HIS:HB3	1:A:51:ASN:HD21	15	9.85
(1,219)	1:A:72:HIS:HB3	1:B:51:ASN:HD21	15	9.85
(1,219)	1:B:72:HIS:HB2	1:A:51:ASN:HD21	15	9.85
(1,219)	1:B:72:HIS:HB2	1:B:51:ASN:HD21	15	9.85
(1,219)	1:B:72:HIS:HB3	1:A:51:ASN:HD21	15	9.85
(1,219)	1:B:72:HIS:HB3	1:B:51:ASN:HD21	15	9.85
(1,613)	1:A:61:ILE:HG12	1:A:36:LYS:HE2	19	9.82
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE2	19	9.82
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE3	19	9.82
(1,613)	1:A:61:ILE:HG13	1:A:36:LYS:HE2	19	9.82
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE2	19	9.82
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE3	19	9.82
(1,613)	1:A:61:ILE:HG21	1:A:36:LYS:HE2	19	9.82
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE2	19	9.82
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE3	19	9.82
(1,613)	1:A:61:ILE:HG22	1:A:36:LYS:HE2	19	9.82
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE2	19	9.82
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE3	19	9.82
(1,613)	1:A:61:ILE:HG23	1:A:36:LYS:HE2	19	9.82
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE2	19	9.82
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	19	9.82
(1,613)	1:B:61:ILE:HG12	1:A:36:LYS:HE2	19	9.82
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE2	19	9.82
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE3	19	9.82
(1,613)	1:B:61:ILE:HG13	1:A:36:LYS:HE2	19	9.82
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE2	19	9.82
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE3	19	9.82
(1,613)	1:B:61:ILE:HG21	1:A:36:LYS:HE2	19	9.82
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE2	19	9.82
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE3	19	9.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	1:B:61:ILE:HG22	1:A:36:LYS:HE2	19	9.82
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE2	19	9.82
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE3	19	9.82
(1,613)	1:B:61:ILE:HG23	1:A:36:LYS:HE2	19	9.82
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE2	19	9.82
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE3	19	9.82
(1,542)	1:A:72:HIS:HB2	1:A:51:ASN:HD22	11	9.82
(1,542)	1:A:72:HIS:HB2	1:B:51:ASN:HD22	11	9.82
(1,542)	1:A:72:HIS:HB3	1:A:51:ASN:HD22	11	9.82
(1,542)	1:A:72:HIS:HB3	1:B:51:ASN:HD22	11	9.82
(1,542)	1:B:72:HIS:HB2	1:A:51:ASN:HD22	11	9.82
(1,542)	1:B:72:HIS:HB2	1:B:51:ASN:HD22	11	9.82
(1,542)	1:B:72:HIS:HB3	1:A:51:ASN:HD22	11	9.82
(1,542)	1:B:72:HIS:HB3	1:B:51:ASN:HD22	11	9.82
(1,219)	1:A:72:HIS:HB2	1:A:51:ASN:HD21	11	9.81
(1,219)	1:A:72:HIS:HB2	1:B:51:ASN:HD21	11	9.81
(1,219)	1:A:72:HIS:HB3	1:A:51:ASN:HD21	11	9.81
(1,219)	1:A:72:HIS:HB3	1:B:51:ASN:HD21	11	9.81
(1,219)	1:B:72:HIS:HB2	1:A:51:ASN:HD21	11	9.81
(1,219)	1:B:72:HIS:HB2	1:B:51:ASN:HD21	11	9.81
(1,219)	1:B:72:HIS:HB3	1:A:51:ASN:HD21	11	9.81
(1,219)	1:B:72:HIS:HB3	1:B:51:ASN:HD21	11	9.81
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD2	19	9.78
(1,452)	1:A:93:ARG:HB3	1:A:71:ARG:HD3	19	9.78
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD2	19	9.78
(1,452)	1:A:93:ARG:HB3	1:B:71:ARG:HD3	19	9.78
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD2	19	9.78
(1,452)	1:B:93:ARG:HB3	1:A:71:ARG:HD3	19	9.78
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD2	19	9.78
(1,452)	1:B:93:ARG:HB3	1:B:71:ARG:HD3	19	9.78
(1,220)	1:A:73:SER:HB2	1:A:51:ASN:HD21	5	9.77
(1,220)	1:A:73:SER:HB2	1:B:51:ASN:HD21	5	9.77
(1,220)	1:A:73:SER:HB3	1:A:51:ASN:HD21	5	9.77
(1,220)	1:A:73:SER:HB3	1:B:51:ASN:HD21	5	9.77
(1,220)	1:B:73:SER:HB2	1:A:51:ASN:HD21	5	9.77
(1,220)	1:B:73:SER:HB2	1:B:51:ASN:HD21	5	9.77
(1,220)	1:B:73:SER:HB3	1:A:51:ASN:HD21	5	9.77
(1,220)	1:B:73:SER:HB3	1:B:51:ASN:HD21	5	9.77
(1,542)	1:A:72:HIS:HB2	1:A:51:ASN:HD22	5	9.76
(1,542)	1:A:72:HIS:HB2	1:B:51:ASN:HD22	5	9.76
(1,542)	1:A:72:HIS:HB3	1:A:51:ASN:HD22	5	9.76
(1,542)	1:A:72:HIS:HB3	1:B:51:ASN:HD22	5	9.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:B:72:HIS:HB2	1:A:51:ASN:HD22	5	9.76
(1,542)	1:B:72:HIS:HB2	1:B:51:ASN:HD22	5	9.76
(1,542)	1:B:72:HIS:HB3	1:A:51:ASN:HD22	5	9.76
(1,542)	1:B:72:HIS:HB3	1:B:51:ASN:HD22	5	9.76
(1,219)	1:A:72:HIS:HB2	1:A:51:ASN:HD21	5	9.76
(1,219)	1:A:72:HIS:HB2	1:B:51:ASN:HD21	5	9.76
(1,219)	1:A:72:HIS:HB3	1:A:51:ASN:HD21	5	9.76
(1,219)	1:A:72:HIS:HB3	1:B:51:ASN:HD21	5	9.76
(1,219)	1:B:72:HIS:HB2	1:A:51:ASN:HD21	5	9.76
(1,219)	1:B:72:HIS:HB2	1:B:51:ASN:HD21	5	9.76
(1,219)	1:B:72:HIS:HB3	1:A:51:ASN:HD21	5	9.76
(1,219)	1:B:72:HIS:HB3	1:B:51:ASN:HD21	5	9.76
(1,542)	1:A:72:HIS:HB2	1:A:51:ASN:HD22	18	9.74
(1,542)	1:A:72:HIS:HB2	1:B:51:ASN:HD22	18	9.74
(1,542)	1:A:72:HIS:HB3	1:A:51:ASN:HD22	18	9.74
(1,542)	1:A:72:HIS:HB3	1:B:51:ASN:HD22	18	9.74
(1,542)	1:B:72:HIS:HB2	1:A:51:ASN:HD22	18	9.74
(1,542)	1:B:72:HIS:HB2	1:B:51:ASN:HD22	18	9.74
(1,542)	1:B:72:HIS:HB3	1:A:51:ASN:HD22	18	9.74
(1,542)	1:B:72:HIS:HB3	1:B:51:ASN:HD22	18	9.74
(1,219)	1:A:72:HIS:HB2	1:A:51:ASN:HD21	18	9.73
(1,219)	1:A:72:HIS:HB2	1:B:51:ASN:HD21	18	9.73
(1,219)	1:A:72:HIS:HB3	1:A:51:ASN:HD21	18	9.73
(1,219)	1:A:72:HIS:HB3	1:B:51:ASN:HD21	18	9.73
(1,219)	1:B:72:HIS:HB2	1:A:51:ASN:HD21	18	9.73
(1,219)	1:B:72:HIS:HB2	1:B:51:ASN:HD21	18	9.73
(1,219)	1:B:72:HIS:HB3	1:A:51:ASN:HD21	18	9.73
(1,219)	1:B:72:HIS:HB3	1:B:51:ASN:HD21	18	9.73
(1,542)	1:A:72:HIS:HB2	1:A:51:ASN:HD22	2	9.72
(1,542)	1:A:72:HIS:HB2	1:B:51:ASN:HD22	2	9.72
(1,542)	1:A:72:HIS:HB3	1:A:51:ASN:HD22	2	9.72
(1,542)	1:A:72:HIS:HB3	1:B:51:ASN:HD22	2	9.72
(1,542)	1:B:72:HIS:HB2	1:A:51:ASN:HD22	2	9.72
(1,542)	1:B:72:HIS:HB2	1:B:51:ASN:HD22	2	9.72
(1,542)	1:B:72:HIS:HB3	1:A:51:ASN:HD22	2	9.72
(1,542)	1:B:72:HIS:HB3	1:B:51:ASN:HD22	2	9.72
(1,229)	1:A:73:SER:HB2	1:A:51:ASN:HD22	6	9.72
(1,229)	1:A:73:SER:HB2	1:B:51:ASN:HD22	6	9.72
(1,229)	1:A:73:SER:HB3	1:A:51:ASN:HD22	6	9.72
(1,229)	1:A:73:SER:HB3	1:B:51:ASN:HD22	6	9.72
(1,229)	1:B:73:SER:HB2	1:A:51:ASN:HD22	6	9.72
(1,229)	1:B:73:SER:HB2	1:B:51:ASN:HD22	6	9.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:B:73:SER:HB3	1:A:51:ASN:HD22	6	9.72
(1,229)	1:B:73:SER:HB3	1:B:51:ASN:HD22	6	9.72
(1,219)	1:A:72:HIS:HB2	1:A:51:ASN:HD21	2	9.72
(1,219)	1:A:72:HIS:HB2	1:B:51:ASN:HD21	2	9.72
(1,219)	1:A:72:HIS:HB3	1:A:51:ASN:HD21	2	9.72
(1,219)	1:A:72:HIS:HB3	1:B:51:ASN:HD21	2	9.72
(1,219)	1:B:72:HIS:HB2	1:A:51:ASN:HD21	2	9.72
(1,219)	1:B:72:HIS:HB2	1:B:51:ASN:HD21	2	9.72
(1,219)	1:B:72:HIS:HB3	1:A:51:ASN:HD21	2	9.72
(1,219)	1:B:72:HIS:HB3	1:B:51:ASN:HD21	2	9.72
(1,217)	1:A:73:SER:HA	1:A:51:ASN:HD21	17	9.71
(1,217)	1:A:73:SER:HA	1:B:51:ASN:HD21	17	9.71
(1,217)	1:B:73:SER:HA	1:A:51:ASN:HD21	17	9.71
(1,217)	1:B:73:SER:HA	1:B:51:ASN:HD21	17	9.71
(1,542)	1:A:72:HIS:HB2	1:A:51:ASN:HD22	17	9.7
(1,542)	1:A:72:HIS:HB2	1:B:51:ASN:HD22	17	9.7
(1,542)	1:A:72:HIS:HB3	1:A:51:ASN:HD22	17	9.7
(1,542)	1:A:72:HIS:HB3	1:B:51:ASN:HD22	17	9.7
(1,542)	1:B:72:HIS:HB2	1:A:51:ASN:HD22	17	9.7
(1,542)	1:B:72:HIS:HB2	1:B:51:ASN:HD22	17	9.7
(1,542)	1:B:72:HIS:HB3	1:A:51:ASN:HD22	17	9.7
(1,542)	1:B:72:HIS:HB3	1:B:51:ASN:HD22	17	9.7
(1,219)	1:A:72:HIS:HB2	1:A:51:ASN:HD21	17	9.69
(1,219)	1:A:72:HIS:HB2	1:B:51:ASN:HD21	17	9.69
(1,219)	1:A:72:HIS:HB3	1:A:51:ASN:HD21	17	9.69
(1,219)	1:A:72:HIS:HB3	1:B:51:ASN:HD21	17	9.69
(1,219)	1:B:72:HIS:HB2	1:A:51:ASN:HD21	17	9.69
(1,219)	1:B:72:HIS:HB2	1:B:51:ASN:HD21	17	9.69
(1,219)	1:B:72:HIS:HB3	1:A:51:ASN:HD21	17	9.69
(1,219)	1:B:72:HIS:HB3	1:B:51:ASN:HD21	17	9.69
(1,542)	1:A:72:HIS:HB2	1:A:51:ASN:HD22	13	9.68
(1,542)	1:A:72:HIS:HB2	1:B:51:ASN:HD22	13	9.68
(1,542)	1:A:72:HIS:HB3	1:A:51:ASN:HD22	13	9.68
(1,542)	1:A:72:HIS:HB3	1:B:51:ASN:HD22	13	9.68
(1,542)	1:B:72:HIS:HB2	1:A:51:ASN:HD22	13	9.68
(1,542)	1:B:72:HIS:HB2	1:B:51:ASN:HD22	13	9.68
(1,542)	1:B:72:HIS:HB3	1:A:51:ASN:HD22	13	9.68
(1,542)	1:B:72:HIS:HB3	1:B:51:ASN:HD22	13	9.68
(1,219)	1:A:72:HIS:HB2	1:A:51:ASN:HD21	13	9.68
(1,219)	1:A:72:HIS:HB2	1:B:51:ASN:HD21	13	9.68
(1,219)	1:A:72:HIS:HB3	1:A:51:ASN:HD21	13	9.68
(1,219)	1:A:72:HIS:HB3	1:B:51:ASN:HD21	13	9.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:B:72:HIS:HB2	1:A:51:ASN:HD21	13	9.68
(1,219)	1:B:72:HIS:HB2	1:B:51:ASN:HD21	13	9.68
(1,219)	1:B:72:HIS:HB3	1:A:51:ASN:HD21	13	9.68
(1,219)	1:B:72:HIS:HB3	1:B:51:ASN:HD21	13	9.68
(1,219)	1:A:72:HIS:HB2	1:A:51:ASN:HD21	10	9.65
(1,219)	1:A:72:HIS:HB2	1:B:51:ASN:HD21	10	9.65
(1,219)	1:A:72:HIS:HB3	1:A:51:ASN:HD21	10	9.65
(1,219)	1:A:72:HIS:HB3	1:B:51:ASN:HD21	10	9.65
(1,219)	1:B:72:HIS:HB2	1:A:51:ASN:HD21	10	9.65
(1,219)	1:B:72:HIS:HB2	1:B:51:ASN:HD21	10	9.65
(1,219)	1:B:72:HIS:HB3	1:A:51:ASN:HD21	10	9.65
(1,219)	1:B:72:HIS:HB3	1:B:51:ASN:HD21	10	9.65
(1,219)	1:A:72:HIS:HB2	1:A:51:ASN:HD21	16	9.63
(1,219)	1:A:72:HIS:HB2	1:B:51:ASN:HD21	16	9.63
(1,219)	1:A:72:HIS:HB3	1:A:51:ASN:HD21	16	9.63
(1,219)	1:A:72:HIS:HB3	1:B:51:ASN:HD21	16	9.63
(1,219)	1:B:72:HIS:HB2	1:A:51:ASN:HD21	16	9.63
(1,219)	1:B:72:HIS:HB2	1:B:51:ASN:HD21	16	9.63
(1,219)	1:B:72:HIS:HB3	1:A:51:ASN:HD21	16	9.63
(1,219)	1:B:72:HIS:HB3	1:B:51:ASN:HD21	16	9.63
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB2	2	9.62
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB3	2	9.62
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB2	2	9.62
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB3	2	9.62
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB2	2	9.62
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB3	2	9.62
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB2	2	9.62
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB3	2	9.62
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB2	2	9.62
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB3	2	9.62
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB2	2	9.62
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB3	2	9.62
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB2	2	9.62
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB3	2	9.62
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB2	2	9.62
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB3	2	9.62
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB2	2	9.62
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB3	2	9.62
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB2	2	9.62
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB3	2	9.62
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB2	2	9.62
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB3	2	9.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB2	2	9.62
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB3	2	9.62
(1,219)	1:A:72:HIS:HB2	1:A:51:ASN:HD21	6	9.62
(1,219)	1:A:72:HIS:HB2	1:B:51:ASN:HD21	6	9.62
(1,219)	1:A:72:HIS:HB3	1:A:51:ASN:HD21	6	9.62
(1,219)	1:A:72:HIS:HB3	1:B:51:ASN:HD21	6	9.62
(1,219)	1:B:72:HIS:HB2	1:A:51:ASN:HD21	6	9.62
(1,219)	1:B:72:HIS:HB2	1:B:51:ASN:HD21	6	9.62
(1,219)	1:B:72:HIS:HB3	1:A:51:ASN:HD21	6	9.62
(1,219)	1:B:72:HIS:HB3	1:B:51:ASN:HD21	6	9.62
(1,542)	1:A:72:HIS:HB2	1:A:51:ASN:HD22	10	9.6
(1,542)	1:A:72:HIS:HB2	1:B:51:ASN:HD22	10	9.6
(1,542)	1:A:72:HIS:HB3	1:A:51:ASN:HD22	10	9.6
(1,542)	1:A:72:HIS:HB3	1:B:51:ASN:HD22	10	9.6
(1,542)	1:B:72:HIS:HB2	1:A:51:ASN:HD22	10	9.6
(1,542)	1:B:72:HIS:HB2	1:B:51:ASN:HD22	10	9.6
(1,542)	1:B:72:HIS:HB3	1:A:51:ASN:HD22	10	9.6
(1,542)	1:B:72:HIS:HB3	1:B:51:ASN:HD22	10	9.6
(1,217)	1:A:73:SER:HA	1:A:51:ASN:HD21	9	9.6
(1,217)	1:A:73:SER:HA	1:B:51:ASN:HD21	9	9.6
(1,217)	1:B:73:SER:HA	1:A:51:ASN:HD21	9	9.6
(1,217)	1:B:73:SER:HA	1:B:51:ASN:HD21	9	9.6
(1,542)	1:A:72:HIS:HB2	1:A:51:ASN:HD22	16	9.59
(1,542)	1:A:72:HIS:HB2	1:B:51:ASN:HD22	16	9.59
(1,542)	1:A:72:HIS:HB3	1:A:51:ASN:HD22	16	9.59
(1,542)	1:A:72:HIS:HB3	1:B:51:ASN:HD22	16	9.59
(1,542)	1:B:72:HIS:HB2	1:A:51:ASN:HD22	16	9.59
(1,542)	1:B:72:HIS:HB2	1:B:51:ASN:HD22	16	9.59
(1,542)	1:B:72:HIS:HB3	1:A:51:ASN:HD22	16	9.59
(1,542)	1:B:72:HIS:HB3	1:B:51:ASN:HD22	16	9.59
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB2	3	9.58
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB3	3	9.58
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB2	3	9.58
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB3	3	9.58
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB2	3	9.58
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB3	3	9.58
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB2	3	9.58
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB3	3	9.58
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB2	3	9.58
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB3	3	9.58
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB2	3	9.58
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB3	3	9.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB2	3	9.58
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB3	3	9.58
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB2	3	9.58
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB3	3	9.58
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB2	3	9.58
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB3	3	9.58
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB2	3	9.58
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB3	3	9.58
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB2	3	9.58
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB3	3	9.58
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB2	3	9.58
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB3	3	9.58
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB2	15	9.58
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB3	15	9.58
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB2	15	9.58
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB3	15	9.58
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB2	15	9.58
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB3	15	9.58
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB2	15	9.58
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB3	15	9.58
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB2	15	9.58
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB3	15	9.58
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB2	15	9.58
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB3	15	9.58
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB2	15	9.58
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB3	15	9.58
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB2	15	9.58
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB3	15	9.58
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB2	15	9.58
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB3	15	9.58
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB2	15	9.58
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB3	15	9.58
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB2	15	9.58
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB3	15	9.58
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB2	15	9.58
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB3	15	9.58
(1,542)	1:A:72:HIS:HB2	1:A:51:ASN:HD22	6	9.57
(1,542)	1:A:72:HIS:HB2	1:B:51:ASN:HD22	6	9.57
(1,542)	1:A:72:HIS:HB3	1:A:51:ASN:HD22	6	9.57
(1,542)	1:A:72:HIS:HB3	1:B:51:ASN:HD22	6	9.57
(1,542)	1:B:72:HIS:HB2	1:A:51:ASN:HD22	6	9.57
(1,542)	1:B:72:HIS:HB2	1:B:51:ASN:HD22	6	9.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:B:72:HIS:HB3	1:A:51:ASN:HD22	6	9.57
(1,542)	1:B:72:HIS:HB3	1:B:51:ASN:HD22	6	9.57
(1,613)	1:A:61:ILE:HG12	1:A:36:LYS:HE2	5	9.56
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE2	5	9.56
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE3	5	9.56
(1,613)	1:A:61:ILE:HG13	1:A:36:LYS:HE2	5	9.56
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE2	5	9.56
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE3	5	9.56
(1,613)	1:A:61:ILE:HG21	1:A:36:LYS:HE2	5	9.56
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE2	5	9.56
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE3	5	9.56
(1,613)	1:A:61:ILE:HG22	1:A:36:LYS:HE2	5	9.56
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE2	5	9.56
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE3	5	9.56
(1,613)	1:A:61:ILE:HG23	1:A:36:LYS:HE2	5	9.56
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE2	5	9.56
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	5	9.56
(1,613)	1:B:61:ILE:HG12	1:A:36:LYS:HE2	5	9.56
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE2	5	9.56
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE3	5	9.56
(1,613)	1:B:61:ILE:HG13	1:A:36:LYS:HE2	5	9.56
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE2	5	9.56
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE3	5	9.56
(1,613)	1:B:61:ILE:HG21	1:A:36:LYS:HE2	5	9.56
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE2	5	9.56
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE3	5	9.56
(1,613)	1:B:61:ILE:HG22	1:A:36:LYS:HE2	5	9.56
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE2	5	9.56
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE3	5	9.56
(1,613)	1:B:61:ILE:HG23	1:A:36:LYS:HE2	5	9.56
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE2	5	9.56
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE3	5	9.56
(1,219)	1:A:72:HIS:HB2	1:A:51:ASN:HD21	14	9.55
(1,219)	1:A:72:HIS:HB2	1:B:51:ASN:HD21	14	9.55
(1,219)	1:A:72:HIS:HB3	1:A:51:ASN:HD21	14	9.55
(1,219)	1:A:72:HIS:HB3	1:B:51:ASN:HD21	14	9.55
(1,219)	1:B:72:HIS:HB2	1:A:51:ASN:HD21	14	9.55
(1,219)	1:B:72:HIS:HB2	1:B:51:ASN:HD21	14	9.55
(1,219)	1:B:72:HIS:HB3	1:A:51:ASN:HD21	14	9.55
(1,219)	1:B:72:HIS:HB3	1:B:51:ASN:HD21	14	9.55
(1,494)	1:A:72:HIS:HD1	1:A:51:ASN:HD22	6	9.54
(1,494)	1:A:72:HIS:HD1	1:B:51:ASN:HD22	6	9.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,494)	1:A:72:HIS:HD2	1:A:51:ASN:HD22	6	9.54
(1,494)	1:A:72:HIS:HD2	1:B:51:ASN:HD22	6	9.54
(1,494)	1:B:72:HIS:HD1	1:A:51:ASN:HD22	6	9.54
(1,494)	1:B:72:HIS:HD1	1:B:51:ASN:HD22	6	9.54
(1,494)	1:B:72:HIS:HD2	1:A:51:ASN:HD22	6	9.54
(1,494)	1:B:72:HIS:HD2	1:B:51:ASN:HD22	6	9.54
(1,542)	1:A:72:HIS:HB2	1:A:51:ASN:HD22	14	9.52
(1,542)	1:A:72:HIS:HB2	1:B:51:ASN:HD22	14	9.52
(1,542)	1:A:72:HIS:HB3	1:A:51:ASN:HD22	14	9.52
(1,542)	1:A:72:HIS:HB3	1:B:51:ASN:HD22	14	9.52
(1,542)	1:B:72:HIS:HB2	1:A:51:ASN:HD22	14	9.52
(1,542)	1:B:72:HIS:HB2	1:B:51:ASN:HD22	14	9.52
(1,542)	1:B:72:HIS:HB3	1:A:51:ASN:HD22	14	9.52
(1,542)	1:B:72:HIS:HB3	1:B:51:ASN:HD22	14	9.52
(1,542)	1:A:72:HIS:HB2	1:A:51:ASN:HD22	19	9.52
(1,542)	1:A:72:HIS:HB2	1:B:51:ASN:HD22	19	9.52
(1,542)	1:A:72:HIS:HB3	1:A:51:ASN:HD22	19	9.52
(1,542)	1:A:72:HIS:HB3	1:B:51:ASN:HD22	19	9.52
(1,542)	1:B:72:HIS:HB2	1:A:51:ASN:HD22	19	9.52
(1,542)	1:B:72:HIS:HB2	1:B:51:ASN:HD22	19	9.52
(1,542)	1:B:72:HIS:HB3	1:A:51:ASN:HD22	19	9.52
(1,542)	1:B:72:HIS:HB3	1:B:51:ASN:HD22	19	9.52
(1,219)	1:A:72:HIS:HB2	1:A:51:ASN:HD21	19	9.52
(1,219)	1:A:72:HIS:HB2	1:B:51:ASN:HD21	19	9.52
(1,219)	1:A:72:HIS:HB3	1:A:51:ASN:HD21	19	9.52
(1,219)	1:A:72:HIS:HB3	1:B:51:ASN:HD21	19	9.52
(1,219)	1:B:72:HIS:HB2	1:A:51:ASN:HD21	19	9.52
(1,219)	1:B:72:HIS:HB2	1:B:51:ASN:HD21	19	9.52
(1,219)	1:B:72:HIS:HB3	1:A:51:ASN:HD21	19	9.52
(1,219)	1:B:72:HIS:HB3	1:B:51:ASN:HD21	19	9.52
(1,229)	1:A:73:SER:HB2	1:A:51:ASN:HD22	20	9.51
(1,229)	1:A:73:SER:HB2	1:B:51:ASN:HD22	20	9.51
(1,229)	1:A:73:SER:HB3	1:A:51:ASN:HD22	20	9.51
(1,229)	1:A:73:SER:HB3	1:B:51:ASN:HD22	20	9.51
(1,229)	1:B:73:SER:HB2	1:A:51:ASN:HD22	20	9.51
(1,229)	1:B:73:SER:HB2	1:B:51:ASN:HD22	20	9.51
(1,229)	1:B:73:SER:HB3	1:A:51:ASN:HD22	20	9.51
(1,229)	1:B:73:SER:HB3	1:B:51:ASN:HD22	20	9.51
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB2	14	9.49
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB3	14	9.49
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB2	14	9.49
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB3	14	9.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB2	14	9.49
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB3	14	9.49
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB2	14	9.49
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB3	14	9.49
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB2	14	9.49
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB3	14	9.49
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB2	14	9.49
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB3	14	9.49
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB2	14	9.49
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB3	14	9.49
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB2	14	9.49
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB3	14	9.49
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB2	14	9.49
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB3	14	9.49
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB2	14	9.49
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB3	14	9.49
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB2	14	9.49
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB3	14	9.49
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB2	14	9.49
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB3	14	9.49
(1,613)	1:A:61:ILE:HG12	1:A:36:LYS:HE2	14	9.49
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE2	14	9.49
(1,613)	1:A:61:ILE:HG12	1:B:36:LYS:HE3	14	9.49
(1,613)	1:A:61:ILE:HG13	1:A:36:LYS:HE2	14	9.49
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE2	14	9.49
(1,613)	1:A:61:ILE:HG13	1:B:36:LYS:HE3	14	9.49
(1,613)	1:A:61:ILE:HG21	1:A:36:LYS:HE2	14	9.49
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE2	14	9.49
(1,613)	1:A:61:ILE:HG21	1:B:36:LYS:HE3	14	9.49
(1,613)	1:A:61:ILE:HG22	1:A:36:LYS:HE2	14	9.49
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE2	14	9.49
(1,613)	1:A:61:ILE:HG22	1:B:36:LYS:HE3	14	9.49
(1,613)	1:A:61:ILE:HG23	1:A:36:LYS:HE2	14	9.49
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE2	14	9.49
(1,613)	1:A:61:ILE:HG23	1:B:36:LYS:HE3	14	9.49
(1,613)	1:B:61:ILE:HG12	1:A:36:LYS:HE2	14	9.49
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE2	14	9.49
(1,613)	1:B:61:ILE:HG12	1:B:36:LYS:HE3	14	9.49
(1,613)	1:B:61:ILE:HG13	1:A:36:LYS:HE2	14	9.49
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE2	14	9.49
(1,613)	1:B:61:ILE:HG13	1:B:36:LYS:HE3	14	9.49
(1,613)	1:B:61:ILE:HG21	1:A:36:LYS:HE2	14	9.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE2	14	9.49
(1,613)	1:B:61:ILE:HG21	1:B:36:LYS:HE3	14	9.49
(1,613)	1:B:61:ILE:HG22	1:A:36:LYS:HE2	14	9.49
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE2	14	9.49
(1,613)	1:B:61:ILE:HG22	1:B:36:LYS:HE3	14	9.49
(1,613)	1:B:61:ILE:HG23	1:A:36:LYS:HE2	14	9.49
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE2	14	9.49
(1,613)	1:B:61:ILE:HG23	1:B:36:LYS:HE3	14	9.49
(1,227)	1:A:73:SER:HA	1:A:51:ASN:HD22	17	9.49
(1,227)	1:A:73:SER:HA	1:B:51:ASN:HD22	17	9.49
(1,227)	1:B:73:SER:HA	1:A:51:ASN:HD22	17	9.49
(1,227)	1:B:73:SER:HA	1:B:51:ASN:HD22	17	9.49
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB2	7	9.46
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB3	7	9.46
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB2	7	9.46
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB3	7	9.46
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB2	7	9.46
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB3	7	9.46
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB2	7	9.46
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB3	7	9.46
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB2	7	9.46
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB3	7	9.46
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB2	7	9.46
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB3	7	9.46
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB2	7	9.46
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB3	7	9.46
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB2	7	9.46
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB3	7	9.46
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB2	7	9.46
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB3	7	9.46
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB2	7	9.46
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB3	7	9.46
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB2	7	9.46
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB3	7	9.46
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB2	7	9.46
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB3	7	9.46
(1,229)	1:A:73:SER:HB2	1:A:51:ASN:HD22	3	9.46
(1,229)	1:A:73:SER:HB2	1:B:51:ASN:HD22	3	9.46
(1,229)	1:A:73:SER:HB3	1:A:51:ASN:HD22	3	9.46
(1,229)	1:A:73:SER:HB3	1:B:51:ASN:HD22	3	9.46
(1,229)	1:B:73:SER:HB2	1:A:51:ASN:HD22	3	9.46
(1,229)	1:B:73:SER:HB2	1:B:51:ASN:HD22	3	9.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:B:73:SER:HB3	1:A:51:ASN:HD22	3	9.46
(1,229)	1:B:73:SER:HB3	1:B:51:ASN:HD22	3	9.46
(1,494)	1:A:72:HIS:HD1	1:A:51:ASN:HD22	8	9.44
(1,494)	1:A:72:HIS:HD1	1:B:51:ASN:HD22	8	9.44
(1,494)	1:A:72:HIS:HD2	1:A:51:ASN:HD22	8	9.44
(1,494)	1:A:72:HIS:HD2	1:B:51:ASN:HD22	8	9.44
(1,494)	1:B:72:HIS:HD1	1:A:51:ASN:HD22	8	9.44
(1,494)	1:B:72:HIS:HD1	1:B:51:ASN:HD22	8	9.44
(1,494)	1:B:72:HIS:HD2	1:A:51:ASN:HD22	8	9.44
(1,494)	1:B:72:HIS:HD2	1:B:51:ASN:HD22	8	9.44
(1,494)	1:A:72:HIS:HD1	1:A:51:ASN:HD22	20	9.43
(1,494)	1:A:72:HIS:HD1	1:B:51:ASN:HD22	20	9.43
(1,494)	1:A:72:HIS:HD2	1:A:51:ASN:HD22	20	9.43
(1,494)	1:A:72:HIS:HD2	1:B:51:ASN:HD22	20	9.43
(1,494)	1:B:72:HIS:HD1	1:A:51:ASN:HD22	20	9.43
(1,494)	1:B:72:HIS:HD1	1:B:51:ASN:HD22	20	9.43
(1,494)	1:B:72:HIS:HD2	1:A:51:ASN:HD22	20	9.43
(1,494)	1:B:72:HIS:HD2	1:B:51:ASN:HD22	20	9.43
(1,56)	1:A:73:SER:H	1:A:51:ASN:HD22	17	9.42
(1,56)	1:A:73:SER:H	1:B:51:ASN:HD22	17	9.42
(1,56)	1:B:73:SER:H	1:A:51:ASN:HD22	17	9.42
(1,56)	1:B:73:SER:H	1:B:51:ASN:HD22	17	9.42
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB2	4	9.41
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB3	4	9.41
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB2	4	9.41
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB3	4	9.41
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB2	4	9.41
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB3	4	9.41
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB2	4	9.41
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB3	4	9.41
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB2	4	9.41
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB3	4	9.41
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB2	4	9.41
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB3	4	9.41
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB2	4	9.41
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB3	4	9.41
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB2	4	9.41
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB3	4	9.41
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB2	4	9.41
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB3	4	9.41
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB2	4	9.41
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB3	4	9.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB2	4	9.41
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB3	4	9.41
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB2	4	9.41
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB3	4	9.41
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB2	16	9.41
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB3	16	9.41
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB2	16	9.41
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB3	16	9.41
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB2	16	9.41
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB3	16	9.41
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB2	16	9.41
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB3	16	9.41
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB2	16	9.41
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB3	16	9.41
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB2	16	9.41
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB3	16	9.41
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB2	16	9.41
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB3	16	9.41
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB2	16	9.41
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB3	16	9.41
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB2	16	9.41
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB3	16	9.41
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB2	16	9.41
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB3	16	9.41
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB2	16	9.41
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB3	16	9.41
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB2	16	9.41
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB3	16	9.41
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB2	8	9.4
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB3	8	9.4
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB2	8	9.4
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB3	8	9.4
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB2	8	9.4
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB3	8	9.4
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB2	8	9.4
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB3	8	9.4
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB2	8	9.4
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB3	8	9.4
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB2	8	9.4
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB3	8	9.4
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB2	8	9.4
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB3	8	9.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB2	8	9.4
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB3	8	9.4
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB2	8	9.4
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB3	8	9.4
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB2	8	9.4
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB3	8	9.4
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB2	8	9.4
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB3	8	9.4
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB2	8	9.4
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB3	8	9.4
(1,494)	1:A:72:HIS:HD1	1:A:51:ASN:HD22	3	9.4
(1,494)	1:A:72:HIS:HD1	1:B:51:ASN:HD22	3	9.4
(1,494)	1:A:72:HIS:HD2	1:A:51:ASN:HD22	3	9.4
(1,494)	1:A:72:HIS:HD2	1:B:51:ASN:HD22	3	9.4
(1,494)	1:B:72:HIS:HD1	1:A:51:ASN:HD22	3	9.4
(1,494)	1:B:72:HIS:HD1	1:B:51:ASN:HD22	3	9.4
(1,494)	1:B:72:HIS:HD2	1:A:51:ASN:HD22	3	9.4
(1,494)	1:B:72:HIS:HD2	1:B:51:ASN:HD22	3	9.4
(1,217)	1:A:73:SER:HA	1:A:51:ASN:HD21	4	9.37
(1,217)	1:A:73:SER:HA	1:B:51:ASN:HD21	4	9.37
(1,217)	1:B:73:SER:HA	1:A:51:ASN:HD21	4	9.37
(1,217)	1:B:73:SER:HA	1:B:51:ASN:HD21	4	9.37
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB2	17	9.36
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB3	17	9.36
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB2	17	9.36
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB3	17	9.36
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB2	17	9.36
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB3	17	9.36
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB2	17	9.36
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB3	17	9.36
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB2	17	9.36
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB3	17	9.36
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB2	17	9.36
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB3	17	9.36
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB2	17	9.36
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB3	17	9.36
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB2	17	9.36
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB3	17	9.36
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB2	17	9.36
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB3	17	9.36
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB2	17	9.36
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB3	17	9.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB2	17	9.36
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB3	17	9.36
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB2	17	9.36
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB3	17	9.36
(1,494)	1:A:72:HIS:HD1	1:A:51:ASN:HD22	7	9.36
(1,494)	1:A:72:HIS:HD1	1:B:51:ASN:HD22	7	9.36
(1,494)	1:A:72:HIS:HD2	1:A:51:ASN:HD22	7	9.36
(1,494)	1:A:72:HIS:HD2	1:B:51:ASN:HD22	7	9.36
(1,494)	1:B:72:HIS:HD1	1:A:51:ASN:HD22	7	9.36
(1,494)	1:B:72:HIS:HD1	1:B:51:ASN:HD22	7	9.36
(1,494)	1:B:72:HIS:HD2	1:A:51:ASN:HD22	7	9.36
(1,494)	1:B:72:HIS:HD2	1:B:51:ASN:HD22	7	9.36
(1,229)	1:A:73:SER:HB2	1:A:51:ASN:HD22	8	9.33
(1,229)	1:A:73:SER:HB2	1:B:51:ASN:HD22	8	9.33
(1,229)	1:A:73:SER:HB3	1:A:51:ASN:HD22	8	9.33
(1,229)	1:A:73:SER:HB3	1:B:51:ASN:HD22	8	9.33
(1,229)	1:B:73:SER:HB2	1:A:51:ASN:HD22	8	9.33
(1,229)	1:B:73:SER:HB2	1:B:51:ASN:HD22	8	9.33
(1,229)	1:B:73:SER:HB3	1:A:51:ASN:HD22	8	9.33
(1,229)	1:B:73:SER:HB3	1:B:51:ASN:HD22	8	9.33
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB2	18	9.31
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB3	18	9.31
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB2	18	9.31
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB3	18	9.31
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB2	18	9.31
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB3	18	9.31
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB2	18	9.31
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB3	18	9.31
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB2	18	9.31
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB3	18	9.31
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB2	18	9.31
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB3	18	9.31
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB2	18	9.31
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB3	18	9.31
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB2	18	9.31
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB3	18	9.31
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB2	18	9.31
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB3	18	9.31
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB2	18	9.31
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB3	18	9.31
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB2	18	9.31
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB3	18	9.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB2	18	9.31
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB3	18	9.31
(1,494)	1:A:72:HIS:HD1	1:A:51:ASN:HD22	11	9.31
(1,494)	1:A:72:HIS:HD1	1:B:51:ASN:HD22	11	9.31
(1,494)	1:A:72:HIS:HD2	1:A:51:ASN:HD22	11	9.31
(1,494)	1:A:72:HIS:HD2	1:B:51:ASN:HD22	11	9.31
(1,494)	1:B:72:HIS:HD1	1:A:51:ASN:HD22	11	9.31
(1,494)	1:B:72:HIS:HD1	1:B:51:ASN:HD22	11	9.31
(1,494)	1:B:72:HIS:HD2	1:A:51:ASN:HD22	11	9.31
(1,494)	1:B:72:HIS:HD2	1:B:51:ASN:HD22	11	9.31
(1,283)	1:A:87:HIS:HD2	1:A:72:HIS:H	15	9.31
(1,283)	1:A:87:HIS:HD2	1:B:72:HIS:H	15	9.31
(1,283)	1:B:87:HIS:HD2	1:A:72:HIS:H	15	9.31
(1,283)	1:B:87:HIS:HD2	1:B:72:HIS:H	15	9.31
(1,220)	1:A:73:SER:HB2	1:A:51:ASN:HD21	17	9.31
(1,220)	1:A:73:SER:HB2	1:B:51:ASN:HD21	17	9.31
(1,220)	1:A:73:SER:HB3	1:A:51:ASN:HD21	17	9.31
(1,220)	1:A:73:SER:HB3	1:B:51:ASN:HD21	17	9.31
(1,220)	1:B:73:SER:HB2	1:A:51:ASN:HD21	17	9.31
(1,220)	1:B:73:SER:HB2	1:B:51:ASN:HD21	17	9.31
(1,220)	1:B:73:SER:HB3	1:A:51:ASN:HD21	17	9.31
(1,220)	1:B:73:SER:HB3	1:B:51:ASN:HD21	17	9.31
(1,219)	1:A:72:HIS:HB2	1:A:51:ASN:HD21	9	9.31
(1,219)	1:A:72:HIS:HB2	1:B:51:ASN:HD21	9	9.31
(1,219)	1:A:72:HIS:HB3	1:A:51:ASN:HD21	9	9.31
(1,219)	1:A:72:HIS:HB3	1:B:51:ASN:HD21	9	9.31
(1,219)	1:B:72:HIS:HB2	1:A:51:ASN:HD21	9	9.31
(1,219)	1:B:72:HIS:HB2	1:B:51:ASN:HD21	9	9.31
(1,219)	1:B:72:HIS:HB3	1:A:51:ASN:HD21	9	9.31
(1,219)	1:B:72:HIS:HB3	1:B:51:ASN:HD21	9	9.31
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB2	11	9.3
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB3	11	9.3
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB2	11	9.3
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB3	11	9.3
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB2	11	9.3
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB3	11	9.3
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB2	11	9.3
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB3	11	9.3
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB2	11	9.3
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB3	11	9.3
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB2	11	9.3
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB3	11	9.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB2	11	9.3
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB3	11	9.3
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB2	11	9.3
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB3	11	9.3
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB2	11	9.3
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB3	11	9.3
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB2	11	9.3
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB3	11	9.3
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB2	11	9.3
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB3	11	9.3
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB2	11	9.3
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB3	11	9.3
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB2	1	9.26
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB3	1	9.26
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB2	1	9.26
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB3	1	9.26
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB2	1	9.26
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB3	1	9.26
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB2	1	9.26
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB3	1	9.26
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB2	1	9.26
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB3	1	9.26
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB2	1	9.26
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB3	1	9.26
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB2	1	9.26
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB3	1	9.26
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB2	1	9.26
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB3	1	9.26
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB2	1	9.26
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB3	1	9.26
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB2	1	9.26
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB3	1	9.26
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB2	1	9.26
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB3	1	9.26
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB2	1	9.26
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB3	1	9.26
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB2	12	9.25
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB3	12	9.25
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB2	12	9.25
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB3	12	9.25
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB2	12	9.25
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB3	12	9.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB2	12	9.25
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB3	12	9.25
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB2	12	9.25
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB3	12	9.25
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB2	12	9.25
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB3	12	9.25
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB2	12	9.25
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB3	12	9.25
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB2	12	9.25
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB3	12	9.25
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB2	12	9.25
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB3	12	9.25
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB2	12	9.25
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB3	12	9.25
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB2	12	9.25
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB3	12	9.25
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB2	12	9.25
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB3	12	9.25
(1,494)	1:A:72:HIS:HD1	1:A:51:ASN:HD22	12	9.25
(1,494)	1:A:72:HIS:HD1	1:B:51:ASN:HD22	12	9.25
(1,494)	1:A:72:HIS:HD2	1:A:51:ASN:HD22	12	9.25
(1,494)	1:A:72:HIS:HD2	1:B:51:ASN:HD22	12	9.25
(1,494)	1:B:72:HIS:HD1	1:A:51:ASN:HD22	12	9.25
(1,494)	1:B:72:HIS:HD1	1:B:51:ASN:HD22	12	9.25
(1,494)	1:B:72:HIS:HD2	1:A:51:ASN:HD22	12	9.25
(1,494)	1:B:72:HIS:HD2	1:B:51:ASN:HD22	12	9.25
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB2	20	9.23
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB3	20	9.23
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB2	20	9.23
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB3	20	9.23
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB2	20	9.23
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB3	20	9.23
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB2	20	9.23
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB3	20	9.23
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB2	20	9.23
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB3	20	9.23
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB2	20	9.23
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB3	20	9.23
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB2	20	9.23
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB3	20	9.23
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB2	20	9.23
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB3	20	9.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB2	20	9.23
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB3	20	9.23
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB2	20	9.23
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB3	20	9.23
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB2	20	9.23
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB3	20	9.23
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB2	20	9.23
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB3	20	9.23
(1,542)	1:A:72:HIS:HB2	1:A:51:ASN:HD22	4	9.23
(1,542)	1:A:72:HIS:HB2	1:B:51:ASN:HD22	4	9.23
(1,542)	1:A:72:HIS:HB3	1:A:51:ASN:HD22	4	9.23
(1,542)	1:A:72:HIS:HB3	1:B:51:ASN:HD22	4	9.23
(1,542)	1:B:72:HIS:HB2	1:A:51:ASN:HD22	4	9.23
(1,542)	1:B:72:HIS:HB2	1:B:51:ASN:HD22	4	9.23
(1,542)	1:B:72:HIS:HB3	1:A:51:ASN:HD22	4	9.23
(1,542)	1:B:72:HIS:HB3	1:B:51:ASN:HD22	4	9.23
(1,229)	1:A:73:SER:HB2	1:A:51:ASN:HD22	15	9.22
(1,229)	1:A:73:SER:HB2	1:B:51:ASN:HD22	15	9.22
(1,229)	1:A:73:SER:HB3	1:A:51:ASN:HD22	15	9.22
(1,229)	1:A:73:SER:HB3	1:B:51:ASN:HD22	15	9.22
(1,229)	1:B:73:SER:HB2	1:A:51:ASN:HD22	15	9.22
(1,229)	1:B:73:SER:HB2	1:B:51:ASN:HD22	15	9.22
(1,229)	1:B:73:SER:HB3	1:A:51:ASN:HD22	15	9.22
(1,229)	1:B:73:SER:HB3	1:B:51:ASN:HD22	15	9.22
(1,219)	1:A:72:HIS:HB2	1:A:51:ASN:HD21	4	9.22
(1,219)	1:A:72:HIS:HB2	1:B:51:ASN:HD21	4	9.22
(1,219)	1:A:72:HIS:HB3	1:A:51:ASN:HD21	4	9.22
(1,219)	1:A:72:HIS:HB3	1:B:51:ASN:HD21	4	9.22
(1,219)	1:B:72:HIS:HB2	1:A:51:ASN:HD21	4	9.22
(1,219)	1:B:72:HIS:HB2	1:B:51:ASN:HD21	4	9.22
(1,219)	1:B:72:HIS:HB3	1:A:51:ASN:HD21	4	9.22
(1,219)	1:B:72:HIS:HB3	1:B:51:ASN:HD21	4	9.22
(1,227)	1:A:73:SER:HA	1:A:51:ASN:HD22	4	9.2
(1,227)	1:A:73:SER:HA	1:B:51:ASN:HD22	4	9.2
(1,227)	1:B:73:SER:HA	1:A:51:ASN:HD22	4	9.2
(1,227)	1:B:73:SER:HA	1:B:51:ASN:HD22	4	9.2
(1,542)	1:A:72:HIS:HB2	1:A:51:ASN:HD22	9	9.19
(1,542)	1:A:72:HIS:HB2	1:B:51:ASN:HD22	9	9.19
(1,542)	1:A:72:HIS:HB3	1:A:51:ASN:HD22	9	9.19
(1,542)	1:A:72:HIS:HB3	1:B:51:ASN:HD22	9	9.19
(1,542)	1:B:72:HIS:HB2	1:A:51:ASN:HD22	9	9.19
(1,542)	1:B:72:HIS:HB2	1:B:51:ASN:HD22	9	9.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:B:72:HIS:HB3	1:A:51:ASN:HD22	9	9.19
(1,542)	1:B:72:HIS:HB3	1:B:51:ASN:HD22	9	9.19
(1,494)	1:A:72:HIS:HD1	1:A:51:ASN:HD22	15	9.17
(1,494)	1:A:72:HIS:HD1	1:B:51:ASN:HD22	15	9.17
(1,494)	1:A:72:HIS:HD2	1:A:51:ASN:HD22	15	9.17
(1,494)	1:A:72:HIS:HD2	1:B:51:ASN:HD22	15	9.17
(1,494)	1:B:72:HIS:HD1	1:A:51:ASN:HD22	15	9.17
(1,494)	1:B:72:HIS:HD1	1:B:51:ASN:HD22	15	9.17
(1,494)	1:B:72:HIS:HD2	1:A:51:ASN:HD22	15	9.17
(1,494)	1:B:72:HIS:HD2	1:B:51:ASN:HD22	15	9.17
(1,494)	1:A:72:HIS:HD1	1:A:51:ASN:HD22	10	9.15
(1,494)	1:A:72:HIS:HD1	1:B:51:ASN:HD22	10	9.15
(1,494)	1:A:72:HIS:HD2	1:A:51:ASN:HD22	10	9.15
(1,494)	1:A:72:HIS:HD2	1:B:51:ASN:HD22	10	9.15
(1,494)	1:B:72:HIS:HD1	1:A:51:ASN:HD22	10	9.15
(1,494)	1:B:72:HIS:HD1	1:B:51:ASN:HD22	10	9.15
(1,494)	1:B:72:HIS:HD2	1:A:51:ASN:HD22	10	9.15
(1,494)	1:B:72:HIS:HD2	1:B:51:ASN:HD22	10	9.15
(1,494)	1:A:72:HIS:HD1	1:A:51:ASN:HD22	13	9.14
(1,494)	1:A:72:HIS:HD1	1:B:51:ASN:HD22	13	9.14
(1,494)	1:A:72:HIS:HD2	1:A:51:ASN:HD22	13	9.14
(1,494)	1:A:72:HIS:HD2	1:B:51:ASN:HD22	13	9.14
(1,494)	1:B:72:HIS:HD1	1:A:51:ASN:HD22	13	9.14
(1,494)	1:B:72:HIS:HD1	1:B:51:ASN:HD22	13	9.14
(1,494)	1:B:72:HIS:HD2	1:A:51:ASN:HD22	13	9.14
(1,494)	1:B:72:HIS:HD2	1:B:51:ASN:HD22	13	9.14
(1,494)	1:A:72:HIS:HD1	1:A:51:ASN:HD22	5	9.12
(1,494)	1:A:72:HIS:HD1	1:B:51:ASN:HD22	5	9.12
(1,494)	1:A:72:HIS:HD2	1:A:51:ASN:HD22	5	9.12
(1,494)	1:A:72:HIS:HD2	1:B:51:ASN:HD22	5	9.12
(1,494)	1:B:72:HIS:HD1	1:A:51:ASN:HD22	5	9.12
(1,494)	1:B:72:HIS:HD1	1:B:51:ASN:HD22	5	9.12
(1,494)	1:B:72:HIS:HD2	1:A:51:ASN:HD22	5	9.12
(1,494)	1:B:72:HIS:HD2	1:B:51:ASN:HD22	5	9.12
(1,229)	1:A:73:SER:HB2	1:A:51:ASN:HD22	1	9.11
(1,229)	1:A:73:SER:HB2	1:B:51:ASN:HD22	1	9.11
(1,229)	1:A:73:SER:HB3	1:A:51:ASN:HD22	1	9.11
(1,229)	1:A:73:SER:HB3	1:B:51:ASN:HD22	1	9.11
(1,229)	1:B:73:SER:HB2	1:A:51:ASN:HD22	1	9.11
(1,229)	1:B:73:SER:HB2	1:B:51:ASN:HD22	1	9.11
(1,229)	1:B:73:SER:HB3	1:A:51:ASN:HD22	1	9.11
(1,229)	1:B:73:SER:HB3	1:B:51:ASN:HD22	1	9.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:A:73:SER:HA	1:A:51:ASN:HD22	9	9.11
(1,227)	1:A:73:SER:HA	1:B:51:ASN:HD22	9	9.11
(1,227)	1:B:73:SER:HA	1:A:51:ASN:HD22	9	9.11
(1,227)	1:B:73:SER:HA	1:B:51:ASN:HD22	9	9.11
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB2	6	9.1
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB3	6	9.1
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB2	6	9.1
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB3	6	9.1
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB2	6	9.1
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB3	6	9.1
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB2	6	9.1
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB3	6	9.1
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB2	6	9.1
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB3	6	9.1
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB2	6	9.1
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB3	6	9.1
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB2	6	9.1
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB3	6	9.1
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB2	6	9.1
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB3	6	9.1
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB2	6	9.1
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB3	6	9.1
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB2	6	9.1
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB3	6	9.1
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB2	6	9.1
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB3	6	9.1
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB2	6	9.1
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB3	6	9.1
(1,494)	1:A:72:HIS:HD1	1:A:51:ASN:HD22	1	9.1
(1,494)	1:A:72:HIS:HD1	1:B:51:ASN:HD22	1	9.1
(1,494)	1:A:72:HIS:HD2	1:A:51:ASN:HD22	1	9.1
(1,494)	1:A:72:HIS:HD2	1:B:51:ASN:HD22	1	9.1
(1,494)	1:B:72:HIS:HD1	1:A:51:ASN:HD22	1	9.1
(1,494)	1:B:72:HIS:HD1	1:B:51:ASN:HD22	1	9.1
(1,494)	1:B:72:HIS:HD2	1:A:51:ASN:HD22	1	9.1
(1,494)	1:B:72:HIS:HD2	1:B:51:ASN:HD22	1	9.1
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB2	13	9.07
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB3	13	9.07
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB2	13	9.07
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB3	13	9.07
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB2	13	9.07
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB3	13	9.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB2	13	9.07
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB3	13	9.07
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB2	13	9.07
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB3	13	9.07
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB2	13	9.07
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB3	13	9.07
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB2	13	9.07
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB3	13	9.07
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB2	13	9.07
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB3	13	9.07
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB2	13	9.07
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB3	13	9.07
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB2	13	9.07
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB3	13	9.07
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB2	13	9.07
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB3	13	9.07
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB2	13	9.07
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB3	13	9.07
(1,494)	1:A:72:HIS:HD1	1:A:51:ASN:HD22	17	9.07
(1,494)	1:A:72:HIS:HD1	1:B:51:ASN:HD22	17	9.07
(1,494)	1:A:72:HIS:HD2	1:A:51:ASN:HD22	17	9.07
(1,494)	1:A:72:HIS:HD2	1:B:51:ASN:HD22	17	9.07
(1,494)	1:B:72:HIS:HD1	1:A:51:ASN:HD22	17	9.07
(1,494)	1:B:72:HIS:HD1	1:B:51:ASN:HD22	17	9.07
(1,494)	1:B:72:HIS:HD2	1:A:51:ASN:HD22	17	9.07
(1,494)	1:B:72:HIS:HD2	1:B:51:ASN:HD22	17	9.07
(1,229)	1:A:73:SER:HB2	1:A:51:ASN:HD22	7	9.02
(1,229)	1:A:73:SER:HB2	1:B:51:ASN:HD22	7	9.02
(1,229)	1:A:73:SER:HB3	1:A:51:ASN:HD22	7	9.02
(1,229)	1:A:73:SER:HB3	1:B:51:ASN:HD22	7	9.02
(1,229)	1:B:73:SER:HB2	1:A:51:ASN:HD22	7	9.02
(1,229)	1:B:73:SER:HB2	1:B:51:ASN:HD22	7	9.02
(1,229)	1:B:73:SER:HB3	1:A:51:ASN:HD22	7	9.02
(1,229)	1:B:73:SER:HB3	1:B:51:ASN:HD22	7	9.02
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB2	5	9.0
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB3	5	9.0
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB2	5	9.0
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB3	5	9.0
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB2	5	9.0
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB3	5	9.0
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB2	5	9.0
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB3	5	9.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB2	5	9.0
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB3	5	9.0
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB2	5	9.0
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB3	5	9.0
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB2	5	9.0
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB3	5	9.0
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB2	5	9.0
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB3	5	9.0
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB2	5	9.0
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB3	5	9.0
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB2	5	9.0
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB3	5	9.0
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB2	5	9.0
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB3	5	9.0
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB2	5	9.0
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB3	5	9.0
(1,494)	1:A:72:HIS:HD1	1:A:51:ASN:HD22	2	9.0
(1,494)	1:A:72:HIS:HD1	1:B:51:ASN:HD22	2	9.0
(1,494)	1:A:72:HIS:HD2	1:A:51:ASN:HD22	2	9.0
(1,494)	1:A:72:HIS:HD2	1:B:51:ASN:HD22	2	9.0
(1,494)	1:B:72:HIS:HD1	1:A:51:ASN:HD22	2	9.0
(1,494)	1:B:72:HIS:HD1	1:B:51:ASN:HD22	2	9.0
(1,494)	1:B:72:HIS:HD2	1:A:51:ASN:HD22	2	9.0
(1,494)	1:B:72:HIS:HD2	1:B:51:ASN:HD22	2	9.0
(1,229)	1:A:73:SER:HB2	1:A:51:ASN:HD22	14	9.0
(1,229)	1:A:73:SER:HB2	1:B:51:ASN:HD22	14	9.0
(1,229)	1:A:73:SER:HB3	1:A:51:ASN:HD22	14	9.0
(1,229)	1:A:73:SER:HB3	1:B:51:ASN:HD22	14	9.0
(1,229)	1:B:73:SER:HB2	1:A:51:ASN:HD22	14	9.0
(1,229)	1:B:73:SER:HB2	1:B:51:ASN:HD22	14	9.0
(1,229)	1:B:73:SER:HB3	1:A:51:ASN:HD22	14	9.0
(1,229)	1:B:73:SER:HB3	1:B:51:ASN:HD22	14	9.0
(1,494)	1:A:72:HIS:HD1	1:A:51:ASN:HD22	18	8.97
(1,494)	1:A:72:HIS:HD1	1:B:51:ASN:HD22	18	8.97
(1,494)	1:A:72:HIS:HD2	1:A:51:ASN:HD22	18	8.97
(1,494)	1:A:72:HIS:HD2	1:B:51:ASN:HD22	18	8.97
(1,494)	1:B:72:HIS:HD1	1:A:51:ASN:HD22	18	8.97
(1,494)	1:B:72:HIS:HD1	1:B:51:ASN:HD22	18	8.97
(1,494)	1:B:72:HIS:HD2	1:A:51:ASN:HD22	18	8.97
(1,494)	1:B:72:HIS:HD2	1:B:51:ASN:HD22	18	8.97
(1,229)	1:A:73:SER:HB2	1:A:51:ASN:HD22	18	8.97
(1,229)	1:A:73:SER:HB2	1:B:51:ASN:HD22	18	8.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:A:73:SER:HB3	1:A:51:ASN:HD22	18	8.97
(1,229)	1:A:73:SER:HB3	1:B:51:ASN:HD22	18	8.97
(1,229)	1:B:73:SER:HB2	1:A:51:ASN:HD22	18	8.97
(1,229)	1:B:73:SER:HB2	1:B:51:ASN:HD22	18	8.97
(1,229)	1:B:73:SER:HB3	1:A:51:ASN:HD22	18	8.97
(1,229)	1:B:73:SER:HB3	1:B:51:ASN:HD22	18	8.97
(1,56)	1:A:73:SER:H	1:A:51:ASN:HD22	2	8.95
(1,56)	1:A:73:SER:H	1:B:51:ASN:HD22	2	8.95
(1,56)	1:B:73:SER:H	1:A:51:ASN:HD22	2	8.95
(1,56)	1:B:73:SER:H	1:B:51:ASN:HD22	2	8.95
(1,283)	1:A:87:HIS:HD2	1:A:72:HIS:H	9	8.94
(1,283)	1:A:87:HIS:HD2	1:B:72:HIS:H	9	8.94
(1,283)	1:B:87:HIS:HD2	1:A:72:HIS:H	9	8.94
(1,283)	1:B:87:HIS:HD2	1:B:72:HIS:H	9	8.94
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB2	10	8.91
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB3	10	8.91
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB2	10	8.91
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB3	10	8.91
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB2	10	8.91
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB3	10	8.91
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB2	10	8.91
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB3	10	8.91
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB2	10	8.91
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB3	10	8.91
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB2	10	8.91
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB3	10	8.91
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB2	10	8.91
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB3	10	8.91
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB2	10	8.91
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB3	10	8.91
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB2	10	8.91
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB3	10	8.91
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB2	10	8.91
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB3	10	8.91
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB2	10	8.91
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB3	10	8.91
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB2	10	8.91
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB3	10	8.91
(1,220)	1:A:73:SER:HB2	1:A:51:ASN:HD21	4	8.91
(1,220)	1:A:73:SER:HB2	1:B:51:ASN:HD21	4	8.91
(1,220)	1:A:73:SER:HB3	1:A:51:ASN:HD21	4	8.91
(1,220)	1:A:73:SER:HB3	1:B:51:ASN:HD21	4	8.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:B:73:SER:HB2	1:A:51:ASN:HD21	4	8.91
(1,220)	1:B:73:SER:HB2	1:B:51:ASN:HD21	4	8.91
(1,220)	1:B:73:SER:HB3	1:A:51:ASN:HD21	4	8.91
(1,220)	1:B:73:SER:HB3	1:B:51:ASN:HD21	4	8.91
(1,229)	1:A:73:SER:HB2	1:A:51:ASN:HD22	10	8.9
(1,229)	1:A:73:SER:HB2	1:B:51:ASN:HD22	10	8.9
(1,229)	1:A:73:SER:HB3	1:A:51:ASN:HD22	10	8.9
(1,229)	1:A:73:SER:HB3	1:B:51:ASN:HD22	10	8.9
(1,229)	1:B:73:SER:HB2	1:A:51:ASN:HD22	10	8.9
(1,229)	1:B:73:SER:HB2	1:B:51:ASN:HD22	10	8.9
(1,229)	1:B:73:SER:HB3	1:A:51:ASN:HD22	10	8.9
(1,229)	1:B:73:SER:HB3	1:B:51:ASN:HD22	10	8.9
(1,229)	1:A:73:SER:HB2	1:A:51:ASN:HD22	11	8.9
(1,229)	1:A:73:SER:HB2	1:B:51:ASN:HD22	11	8.9
(1,229)	1:A:73:SER:HB3	1:A:51:ASN:HD22	11	8.9
(1,229)	1:A:73:SER:HB3	1:B:51:ASN:HD22	11	8.9
(1,229)	1:B:73:SER:HB2	1:A:51:ASN:HD22	11	8.9
(1,229)	1:B:73:SER:HB2	1:B:51:ASN:HD22	11	8.9
(1,229)	1:B:73:SER:HB3	1:A:51:ASN:HD22	11	8.9
(1,229)	1:B:73:SER:HB3	1:B:51:ASN:HD22	11	8.9
(1,494)	1:A:72:HIS:HD1	1:A:51:ASN:HD22	14	8.89
(1,494)	1:A:72:HIS:HD1	1:B:51:ASN:HD22	14	8.89
(1,494)	1:A:72:HIS:HD2	1:A:51:ASN:HD22	14	8.89
(1,494)	1:A:72:HIS:HD2	1:B:51:ASN:HD22	14	8.89
(1,494)	1:B:72:HIS:HD1	1:A:51:ASN:HD22	14	8.89
(1,494)	1:B:72:HIS:HD1	1:B:51:ASN:HD22	14	8.89
(1,494)	1:B:72:HIS:HD2	1:A:51:ASN:HD22	14	8.89
(1,494)	1:B:72:HIS:HD2	1:B:51:ASN:HD22	14	8.89
(1,494)	1:A:72:HIS:HD1	1:A:51:ASN:HD22	19	8.87
(1,494)	1:A:72:HIS:HD1	1:B:51:ASN:HD22	19	8.87
(1,494)	1:A:72:HIS:HD2	1:A:51:ASN:HD22	19	8.87
(1,494)	1:A:72:HIS:HD2	1:B:51:ASN:HD22	19	8.87
(1,494)	1:B:72:HIS:HD1	1:A:51:ASN:HD22	19	8.87
(1,494)	1:B:72:HIS:HD1	1:B:51:ASN:HD22	19	8.87
(1,494)	1:B:72:HIS:HD2	1:A:51:ASN:HD22	19	8.87
(1,494)	1:B:72:HIS:HD2	1:B:51:ASN:HD22	19	8.87
(1,229)	1:A:73:SER:HB2	1:A:51:ASN:HD22	12	8.86
(1,229)	1:A:73:SER:HB2	1:B:51:ASN:HD22	12	8.86
(1,229)	1:A:73:SER:HB3	1:A:51:ASN:HD22	12	8.86
(1,229)	1:A:73:SER:HB3	1:B:51:ASN:HD22	12	8.86
(1,229)	1:B:73:SER:HB2	1:A:51:ASN:HD22	12	8.86
(1,229)	1:B:73:SER:HB2	1:B:51:ASN:HD22	12	8.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:B:73:SER:HB3	1:A:51:ASN:HD22	12	8.86
(1,229)	1:B:73:SER:HB3	1:B:51:ASN:HD22	12	8.86
(1,220)	1:A:73:SER:HB2	1:A:51:ASN:HD21	9	8.86
(1,220)	1:A:73:SER:HB2	1:B:51:ASN:HD21	9	8.86
(1,220)	1:A:73:SER:HB3	1:A:51:ASN:HD21	9	8.86
(1,220)	1:A:73:SER:HB3	1:B:51:ASN:HD21	9	8.86
(1,220)	1:B:73:SER:HB2	1:A:51:ASN:HD21	9	8.86
(1,220)	1:B:73:SER:HB2	1:B:51:ASN:HD21	9	8.86
(1,220)	1:B:73:SER:HB3	1:A:51:ASN:HD21	9	8.86
(1,220)	1:B:73:SER:HB3	1:B:51:ASN:HD21	9	8.86
(1,229)	1:A:73:SER:HB2	1:A:51:ASN:HD22	19	8.85
(1,229)	1:A:73:SER:HB2	1:B:51:ASN:HD22	19	8.85
(1,229)	1:A:73:SER:HB3	1:A:51:ASN:HD22	19	8.85
(1,229)	1:A:73:SER:HB3	1:B:51:ASN:HD22	19	8.85
(1,229)	1:B:73:SER:HB2	1:A:51:ASN:HD22	19	8.85
(1,229)	1:B:73:SER:HB2	1:B:51:ASN:HD22	19	8.85
(1,229)	1:B:73:SER:HB3	1:A:51:ASN:HD22	19	8.85
(1,229)	1:B:73:SER:HB3	1:B:51:ASN:HD22	19	8.85
(1,229)	1:A:73:SER:HB2	1:A:51:ASN:HD22	13	8.83
(1,229)	1:A:73:SER:HB2	1:B:51:ASN:HD22	13	8.83
(1,229)	1:A:73:SER:HB3	1:A:51:ASN:HD22	13	8.83
(1,229)	1:A:73:SER:HB3	1:B:51:ASN:HD22	13	8.83
(1,229)	1:B:73:SER:HB2	1:A:51:ASN:HD22	13	8.83
(1,229)	1:B:73:SER:HB2	1:B:51:ASN:HD22	13	8.83
(1,229)	1:B:73:SER:HB3	1:A:51:ASN:HD22	13	8.83
(1,229)	1:B:73:SER:HB3	1:B:51:ASN:HD22	13	8.83
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB2	19	8.81
(1,861)	1:A:94:ALA:HB1	1:A:72:HIS:HB3	19	8.81
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB2	19	8.81
(1,861)	1:A:94:ALA:HB1	1:B:72:HIS:HB3	19	8.81
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB2	19	8.81
(1,861)	1:A:94:ALA:HB2	1:A:72:HIS:HB3	19	8.81
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB2	19	8.81
(1,861)	1:A:94:ALA:HB2	1:B:72:HIS:HB3	19	8.81
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB2	19	8.81
(1,861)	1:A:94:ALA:HB3	1:A:72:HIS:HB3	19	8.81
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB2	19	8.81
(1,861)	1:A:94:ALA:HB3	1:B:72:HIS:HB3	19	8.81
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB2	19	8.81
(1,861)	1:B:94:ALA:HB1	1:A:72:HIS:HB3	19	8.81
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB2	19	8.81
(1,861)	1:B:94:ALA:HB1	1:B:72:HIS:HB3	19	8.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB2	19	8.81
(1,861)	1:B:94:ALA:HB2	1:A:72:HIS:HB3	19	8.81
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB2	19	8.81
(1,861)	1:B:94:ALA:HB2	1:B:72:HIS:HB3	19	8.81
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB2	19	8.81
(1,861)	1:B:94:ALA:HB3	1:A:72:HIS:HB3	19	8.81
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB2	19	8.81
(1,861)	1:B:94:ALA:HB3	1:B:72:HIS:HB3	19	8.81
(1,229)	1:A:73:SER:HB2	1:A:51:ASN:HD22	16	8.81
(1,229)	1:A:73:SER:HB2	1:B:51:ASN:HD22	16	8.81
(1,229)	1:A:73:SER:HB3	1:A:51:ASN:HD22	16	8.81
(1,229)	1:A:73:SER:HB3	1:B:51:ASN:HD22	16	8.81
(1,229)	1:B:73:SER:HB2	1:A:51:ASN:HD22	16	8.81
(1,229)	1:B:73:SER:HB2	1:B:51:ASN:HD22	16	8.81
(1,229)	1:B:73:SER:HB3	1:A:51:ASN:HD22	16	8.81
(1,229)	1:B:73:SER:HB3	1:B:51:ASN:HD22	16	8.81
(1,494)	1:A:72:HIS:HD1	1:A:51:ASN:HD22	16	8.76
(1,494)	1:A:72:HIS:HD1	1:B:51:ASN:HD22	16	8.76
(1,494)	1:A:72:HIS:HD2	1:A:51:ASN:HD22	16	8.76
(1,494)	1:A:72:HIS:HD2	1:B:51:ASN:HD22	16	8.76
(1,494)	1:B:72:HIS:HD1	1:A:51:ASN:HD22	16	8.76
(1,494)	1:B:72:HIS:HD1	1:B:51:ASN:HD22	16	8.76
(1,494)	1:B:72:HIS:HD2	1:A:51:ASN:HD22	16	8.76
(1,494)	1:B:72:HIS:HD2	1:B:51:ASN:HD22	16	8.76
(1,283)	1:A:87:HIS:HD2	1:A:72:HIS:H	16	8.72
(1,283)	1:A:87:HIS:HD2	1:B:72:HIS:H	16	8.72
(1,283)	1:B:87:HIS:HD2	1:A:72:HIS:H	16	8.72
(1,283)	1:B:87:HIS:HD2	1:B:72:HIS:H	16	8.72
(1,283)	1:A:87:HIS:HD2	1:A:72:HIS:H	2	8.69
(1,283)	1:A:87:HIS:HD2	1:B:72:HIS:H	2	8.69
(1,283)	1:B:87:HIS:HD2	1:A:72:HIS:H	2	8.69
(1,283)	1:B:87:HIS:HD2	1:B:72:HIS:H	2	8.69
(1,283)	1:A:87:HIS:HD2	1:A:72:HIS:H	6	8.69
(1,283)	1:A:87:HIS:HD2	1:B:72:HIS:H	6	8.69
(1,283)	1:B:87:HIS:HD2	1:A:72:HIS:H	6	8.69
(1,283)	1:B:87:HIS:HD2	1:B:72:HIS:H	6	8.69
(1,229)	1:A:73:SER:HB2	1:A:51:ASN:HD22	5	8.68
(1,229)	1:A:73:SER:HB2	1:B:51:ASN:HD22	5	8.68
(1,229)	1:A:73:SER:HB3	1:A:51:ASN:HD22	5	8.68
(1,229)	1:A:73:SER:HB3	1:B:51:ASN:HD22	5	8.68
(1,229)	1:B:73:SER:HB2	1:A:51:ASN:HD22	5	8.68
(1,229)	1:B:73:SER:HB2	1:B:51:ASN:HD22	5	8.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:B:73:SER:HB3	1:A:51:ASN:HD22	5	8.68
(1,229)	1:B:73:SER:HB3	1:B:51:ASN:HD22	5	8.68
(1,494)	1:A:72:HIS:HD1	1:A:51:ASN:HD22	4	8.66
(1,494)	1:A:72:HIS:HD1	1:B:51:ASN:HD22	4	8.66
(1,494)	1:A:72:HIS:HD2	1:A:51:ASN:HD22	4	8.66
(1,494)	1:A:72:HIS:HD2	1:B:51:ASN:HD22	4	8.66
(1,494)	1:B:72:HIS:HD1	1:A:51:ASN:HD22	4	8.66
(1,494)	1:B:72:HIS:HD1	1:B:51:ASN:HD22	4	8.66
(1,494)	1:B:72:HIS:HD2	1:A:51:ASN:HD22	4	8.66
(1,494)	1:B:72:HIS:HD2	1:B:51:ASN:HD22	4	8.66
(1,217)	1:A:73:SER:HA	1:A:51:ASN:HD21	2	8.64
(1,217)	1:A:73:SER:HA	1:B:51:ASN:HD21	2	8.64
(1,217)	1:B:73:SER:HA	1:A:51:ASN:HD21	2	8.64
(1,217)	1:B:73:SER:HA	1:B:51:ASN:HD21	2	8.64
(1,755)	1:A:87:HIS:HD1	1:A:72:HIS:H	1	8.62
(1,755)	1:A:87:HIS:HD1	1:B:72:HIS:H	1	8.62
(1,755)	1:B:87:HIS:HD1	1:A:72:HIS:H	1	8.62
(1,755)	1:B:87:HIS:HD1	1:B:72:HIS:H	1	8.62
(1,755)	1:A:87:HIS:HD1	1:A:72:HIS:H	2	8.61
(1,755)	1:A:87:HIS:HD1	1:B:72:HIS:H	2	8.61
(1,755)	1:B:87:HIS:HD1	1:A:72:HIS:H	2	8.61
(1,755)	1:B:87:HIS:HD1	1:B:72:HIS:H	2	8.61
(1,283)	1:A:87:HIS:HD2	1:A:72:HIS:H	1	8.59
(1,283)	1:A:87:HIS:HD2	1:B:72:HIS:H	1	8.59
(1,283)	1:B:87:HIS:HD2	1:A:72:HIS:H	1	8.59
(1,283)	1:B:87:HIS:HD2	1:B:72:HIS:H	1	8.59
(1,755)	1:A:87:HIS:HD1	1:A:72:HIS:H	18	8.54
(1,755)	1:A:87:HIS:HD1	1:B:72:HIS:H	18	8.54
(1,755)	1:B:87:HIS:HD1	1:A:72:HIS:H	18	8.54
(1,755)	1:B:87:HIS:HD1	1:B:72:HIS:H	18	8.54
(1,494)	1:A:72:HIS:HD1	1:A:51:ASN:HD22	9	8.48
(1,494)	1:A:72:HIS:HD1	1:B:51:ASN:HD22	9	8.48
(1,494)	1:A:72:HIS:HD2	1:A:51:ASN:HD22	9	8.48
(1,494)	1:A:72:HIS:HD2	1:B:51:ASN:HD22	9	8.48
(1,494)	1:B:72:HIS:HD1	1:A:51:ASN:HD22	9	8.48
(1,494)	1:B:72:HIS:HD1	1:B:51:ASN:HD22	9	8.48
(1,494)	1:B:72:HIS:HD2	1:A:51:ASN:HD22	9	8.48
(1,494)	1:B:72:HIS:HD2	1:B:51:ASN:HD22	9	8.48
(1,227)	1:A:73:SER:HA	1:A:51:ASN:HD22	2	8.47
(1,227)	1:A:73:SER:HA	1:B:51:ASN:HD22	2	8.47
(1,227)	1:B:73:SER:HA	1:A:51:ASN:HD22	2	8.47
(1,227)	1:B:73:SER:HA	1:B:51:ASN:HD22	2	8.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,283)	1:A:87:HIS:HD2	1:A:72:HIS:H	7	8.45
(1,283)	1:A:87:HIS:HD2	1:B:72:HIS:H	7	8.45
(1,283)	1:B:87:HIS:HD2	1:A:72:HIS:H	7	8.45
(1,283)	1:B:87:HIS:HD2	1:B:72:HIS:H	7	8.45
(1,218)	1:A:72:HIS:HD1	1:A:51:ASN:HD21	6	8.44
(1,218)	1:A:72:HIS:HD1	1:B:51:ASN:HD21	6	8.44
(1,218)	1:A:72:HIS:HD2	1:A:51:ASN:HD21	6	8.44
(1,218)	1:A:72:HIS:HD2	1:B:51:ASN:HD21	6	8.44
(1,218)	1:B:72:HIS:HD1	1:A:51:ASN:HD21	6	8.44
(1,218)	1:B:72:HIS:HD1	1:B:51:ASN:HD21	6	8.44
(1,218)	1:B:72:HIS:HD2	1:A:51:ASN:HD21	6	8.44
(1,218)	1:B:72:HIS:HD2	1:B:51:ASN:HD21	6	8.44
(1,755)	1:A:87:HIS:HD1	1:A:72:HIS:H	15	8.42
(1,755)	1:A:87:HIS:HD1	1:B:72:HIS:H	15	8.42
(1,755)	1:B:87:HIS:HD1	1:A:72:HIS:H	15	8.42
(1,755)	1:B:87:HIS:HD1	1:B:72:HIS:H	15	8.42
(1,755)	1:A:87:HIS:HD1	1:A:72:HIS:H	9	8.38
(1,755)	1:A:87:HIS:HD1	1:B:72:HIS:H	9	8.38
(1,755)	1:B:87:HIS:HD1	1:A:72:HIS:H	9	8.38
(1,755)	1:B:87:HIS:HD1	1:B:72:HIS:H	9	8.38
(1,283)	1:A:87:HIS:HD2	1:A:72:HIS:H	11	8.35
(1,283)	1:A:87:HIS:HD2	1:B:72:HIS:H	11	8.35
(1,283)	1:B:87:HIS:HD2	1:A:72:HIS:H	11	8.35
(1,283)	1:B:87:HIS:HD2	1:B:72:HIS:H	11	8.35
(1,309)	1:A:92:GLN:H	1:A:67:LYS:HD2	15	8.34
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD2	15	8.34
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD3	15	8.34
(1,309)	1:B:92:GLN:H	1:A:67:LYS:HD2	15	8.34
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD2	15	8.34
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD3	15	8.34
(1,283)	1:A:87:HIS:HD2	1:A:72:HIS:H	8	8.33
(1,283)	1:A:87:HIS:HD2	1:B:72:HIS:H	8	8.33
(1,283)	1:B:87:HIS:HD2	1:A:72:HIS:H	8	8.33
(1,283)	1:B:87:HIS:HD2	1:B:72:HIS:H	8	8.33
(1,755)	1:A:87:HIS:HD1	1:A:72:HIS:H	16	8.32
(1,755)	1:A:87:HIS:HD1	1:B:72:HIS:H	16	8.32
(1,755)	1:B:87:HIS:HD1	1:A:72:HIS:H	16	8.32
(1,755)	1:B:87:HIS:HD1	1:B:72:HIS:H	16	8.32
(1,229)	1:A:73:SER:HB2	1:A:51:ASN:HD22	17	8.31
(1,229)	1:A:73:SER:HB2	1:B:51:ASN:HD22	17	8.31
(1,229)	1:A:73:SER:HB3	1:A:51:ASN:HD22	17	8.31
(1,229)	1:A:73:SER:HB3	1:B:51:ASN:HD22	17	8.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:B:73:SER:HB2	1:A:51:ASN:HD22	17	8.31
(1,229)	1:B:73:SER:HB2	1:B:51:ASN:HD22	17	8.31
(1,229)	1:B:73:SER:HB3	1:A:51:ASN:HD22	17	8.31
(1,229)	1:B:73:SER:HB3	1:B:51:ASN:HD22	17	8.31
(1,218)	1:A:72:HIS:HD1	1:A:51:ASN:HD21	8	8.3
(1,218)	1:A:72:HIS:HD1	1:B:51:ASN:HD21	8	8.3
(1,218)	1:A:72:HIS:HD2	1:A:51:ASN:HD21	8	8.3
(1,218)	1:A:72:HIS:HD2	1:B:51:ASN:HD21	8	8.3
(1,218)	1:B:72:HIS:HD1	1:A:51:ASN:HD21	8	8.3
(1,218)	1:B:72:HIS:HD1	1:B:51:ASN:HD21	8	8.3
(1,218)	1:B:72:HIS:HD2	1:A:51:ASN:HD21	8	8.3
(1,218)	1:B:72:HIS:HD2	1:B:51:ASN:HD21	8	8.3
(1,839)	1:A:87:HIS:HD1	1:A:72:HIS:H	15	8.27
(1,839)	1:A:87:HIS:HD1	1:B:72:HIS:H	15	8.27
(1,839)	1:A:87:HIS:HD2	1:A:72:HIS:H	15	8.27
(1,839)	1:A:87:HIS:HD2	1:B:72:HIS:H	15	8.27
(1,839)	1:B:87:HIS:HD1	1:A:72:HIS:H	15	8.27
(1,839)	1:B:87:HIS:HD1	1:B:72:HIS:H	15	8.27
(1,839)	1:B:87:HIS:HD2	1:A:72:HIS:H	15	8.27
(1,839)	1:B:87:HIS:HD2	1:B:72:HIS:H	15	8.27
(1,755)	1:A:87:HIS:HD1	1:A:72:HIS:H	8	8.27
(1,755)	1:A:87:HIS:HD1	1:B:72:HIS:H	8	8.27
(1,755)	1:B:87:HIS:HD1	1:A:72:HIS:H	8	8.27
(1,755)	1:B:87:HIS:HD1	1:B:72:HIS:H	8	8.27
(1,218)	1:A:72:HIS:HD1	1:A:51:ASN:HD21	20	8.23
(1,218)	1:A:72:HIS:HD1	1:B:51:ASN:HD21	20	8.23
(1,218)	1:A:72:HIS:HD2	1:A:51:ASN:HD21	20	8.23
(1,218)	1:A:72:HIS:HD2	1:B:51:ASN:HD21	20	8.23
(1,218)	1:B:72:HIS:HD1	1:A:51:ASN:HD21	20	8.23
(1,218)	1:B:72:HIS:HD1	1:B:51:ASN:HD21	20	8.23
(1,218)	1:B:72:HIS:HD2	1:A:51:ASN:HD21	20	8.23
(1,218)	1:B:72:HIS:HD2	1:B:51:ASN:HD21	20	8.23
(1,755)	1:A:87:HIS:HD1	1:A:72:HIS:H	12	8.22
(1,755)	1:A:87:HIS:HD1	1:B:72:HIS:H	12	8.22
(1,755)	1:B:87:HIS:HD1	1:A:72:HIS:H	12	8.22
(1,755)	1:B:87:HIS:HD1	1:B:72:HIS:H	12	8.22
(1,755)	1:A:87:HIS:HD1	1:A:72:HIS:H	10	8.21
(1,755)	1:A:87:HIS:HD1	1:B:72:HIS:H	10	8.21
(1,755)	1:B:87:HIS:HD1	1:A:72:HIS:H	10	8.21
(1,755)	1:B:87:HIS:HD1	1:B:72:HIS:H	10	8.21
(1,755)	1:A:87:HIS:HD1	1:A:72:HIS:H	6	8.2
(1,755)	1:A:87:HIS:HD1	1:B:72:HIS:H	6	8.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,755)	1:B:87:HIS:HD1	1:A:72:HIS:H	6	8.2
(1,755)	1:B:87:HIS:HD1	1:B:72:HIS:H	6	8.2
(1,283)	1:A:87:HIS:HD2	1:A:72:HIS:H	18	8.18
(1,283)	1:A:87:HIS:HD2	1:B:72:HIS:H	18	8.18
(1,283)	1:B:87:HIS:HD2	1:A:72:HIS:H	18	8.18
(1,283)	1:B:87:HIS:HD2	1:B:72:HIS:H	18	8.18
(1,755)	1:A:87:HIS:HD1	1:A:72:HIS:H	14	8.17
(1,755)	1:A:87:HIS:HD1	1:B:72:HIS:H	14	8.17
(1,755)	1:B:87:HIS:HD1	1:A:72:HIS:H	14	8.17
(1,755)	1:B:87:HIS:HD1	1:B:72:HIS:H	14	8.17
(1,218)	1:A:72:HIS:HD1	1:A:51:ASN:HD21	7	8.17
(1,218)	1:A:72:HIS:HD1	1:B:51:ASN:HD21	7	8.17
(1,218)	1:A:72:HIS:HD2	1:A:51:ASN:HD21	7	8.17
(1,218)	1:A:72:HIS:HD2	1:B:51:ASN:HD21	7	8.17
(1,218)	1:B:72:HIS:HD1	1:A:51:ASN:HD21	7	8.17
(1,218)	1:B:72:HIS:HD1	1:B:51:ASN:HD21	7	8.17
(1,218)	1:B:72:HIS:HD2	1:A:51:ASN:HD21	7	8.17
(1,218)	1:B:72:HIS:HD2	1:B:51:ASN:HD21	7	8.17
(1,218)	1:A:72:HIS:HD1	1:A:51:ASN:HD21	3	8.16
(1,218)	1:A:72:HIS:HD1	1:B:51:ASN:HD21	3	8.16
(1,218)	1:A:72:HIS:HD2	1:A:51:ASN:HD21	3	8.16
(1,218)	1:A:72:HIS:HD2	1:B:51:ASN:HD21	3	8.16
(1,218)	1:B:72:HIS:HD1	1:A:51:ASN:HD21	3	8.16
(1,218)	1:B:72:HIS:HD1	1:B:51:ASN:HD21	3	8.16
(1,218)	1:B:72:HIS:HD2	1:A:51:ASN:HD21	3	8.16
(1,218)	1:B:72:HIS:HD2	1:B:51:ASN:HD21	3	8.16
(1,755)	1:A:87:HIS:HD1	1:A:72:HIS:H	17	8.14
(1,755)	1:A:87:HIS:HD1	1:B:72:HIS:H	17	8.14
(1,755)	1:B:87:HIS:HD1	1:A:72:HIS:H	17	8.14
(1,755)	1:B:87:HIS:HD1	1:B:72:HIS:H	17	8.14
(1,309)	1:A:92:GLN:H	1:A:67:LYS:HD2	2	8.14
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD2	2	8.14
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD3	2	8.14
(1,309)	1:B:92:GLN:H	1:A:67:LYS:HD2	2	8.14
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD2	2	8.14
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD3	2	8.14
(1,755)	1:A:87:HIS:HD1	1:A:72:HIS:H	4	8.13
(1,755)	1:A:87:HIS:HD1	1:B:72:HIS:H	4	8.13
(1,755)	1:B:87:HIS:HD1	1:A:72:HIS:H	4	8.13
(1,755)	1:B:87:HIS:HD1	1:B:72:HIS:H	4	8.13
(1,309)	1:A:92:GLN:H	1:A:67:LYS:HD2	16	8.13
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD2	16	8.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD3	16	8.13
(1,309)	1:B:92:GLN:H	1:A:67:LYS:HD2	16	8.13
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD2	16	8.13
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD3	16	8.13
(1,839)	1:A:87:HIS:HD1	1:A:72:HIS:H	2	8.12
(1,839)	1:A:87:HIS:HD1	1:B:72:HIS:H	2	8.12
(1,839)	1:A:87:HIS:HD2	1:A:72:HIS:H	2	8.12
(1,839)	1:A:87:HIS:HD2	1:B:72:HIS:H	2	8.12
(1,839)	1:B:87:HIS:HD1	1:A:72:HIS:H	2	8.12
(1,839)	1:B:87:HIS:HD1	1:B:72:HIS:H	2	8.12
(1,839)	1:B:87:HIS:HD2	1:A:72:HIS:H	2	8.12
(1,839)	1:B:87:HIS:HD2	1:B:72:HIS:H	2	8.12
(1,839)	1:A:87:HIS:HD1	1:A:72:HIS:H	9	8.11
(1,839)	1:A:87:HIS:HD1	1:B:72:HIS:H	9	8.11
(1,839)	1:A:87:HIS:HD2	1:A:72:HIS:H	9	8.11
(1,839)	1:A:87:HIS:HD2	1:B:72:HIS:H	9	8.11
(1,839)	1:B:87:HIS:HD1	1:A:72:HIS:H	9	8.11
(1,839)	1:B:87:HIS:HD1	1:B:72:HIS:H	9	8.11
(1,839)	1:B:87:HIS:HD2	1:A:72:HIS:H	9	8.11
(1,839)	1:B:87:HIS:HD2	1:B:72:HIS:H	9	8.11
(1,283)	1:A:87:HIS:HD2	1:A:72:HIS:H	4	8.11
(1,283)	1:A:87:HIS:HD2	1:B:72:HIS:H	4	8.11
(1,283)	1:B:87:HIS:HD2	1:A:72:HIS:H	4	8.11
(1,283)	1:B:87:HIS:HD2	1:B:72:HIS:H	4	8.11
(1,755)	1:A:87:HIS:HD1	1:A:72:HIS:H	20	8.09
(1,755)	1:A:87:HIS:HD1	1:B:72:HIS:H	20	8.09
(1,755)	1:B:87:HIS:HD1	1:A:72:HIS:H	20	8.09
(1,755)	1:B:87:HIS:HD1	1:B:72:HIS:H	20	8.09
(1,839)	1:A:87:HIS:HD1	1:A:72:HIS:H	1	8.08
(1,839)	1:A:87:HIS:HD1	1:B:72:HIS:H	1	8.08
(1,839)	1:A:87:HIS:HD2	1:A:72:HIS:H	1	8.08
(1,839)	1:A:87:HIS:HD2	1:B:72:HIS:H	1	8.08
(1,839)	1:B:87:HIS:HD1	1:A:72:HIS:H	1	8.08
(1,839)	1:B:87:HIS:HD1	1:B:72:HIS:H	1	8.08
(1,839)	1:B:87:HIS:HD2	1:A:72:HIS:H	1	8.08
(1,839)	1:B:87:HIS:HD2	1:B:72:HIS:H	1	8.08
(1,283)	1:A:87:HIS:HD2	1:A:72:HIS:H	17	8.08
(1,283)	1:A:87:HIS:HD2	1:B:72:HIS:H	17	8.08
(1,283)	1:B:87:HIS:HD2	1:A:72:HIS:H	17	8.08
(1,283)	1:B:87:HIS:HD2	1:B:72:HIS:H	17	8.08
(1,218)	1:A:72:HIS:HD1	1:A:51:ASN:HD21	11	8.08
(1,218)	1:A:72:HIS:HD1	1:B:51:ASN:HD21	11	8.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,218)	1:A:72:HIS:HD2	1:A:51:ASN:HD21	11	8.08
(1,218)	1:A:72:HIS:HD2	1:B:51:ASN:HD21	11	8.08
(1,218)	1:B:72:HIS:HD1	1:A:51:ASN:HD21	11	8.08
(1,218)	1:B:72:HIS:HD1	1:B:51:ASN:HD21	11	8.08
(1,218)	1:B:72:HIS:HD2	1:A:51:ASN:HD21	11	8.08
(1,218)	1:B:72:HIS:HD2	1:B:51:ASN:HD21	11	8.08
(1,309)	1:A:92:GLN:H	1:A:67:LYS:HD2	6	8.01
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD2	6	8.01
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD3	6	8.01
(1,309)	1:B:92:GLN:H	1:A:67:LYS:HD2	6	8.01
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD2	6	8.01
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD3	6	8.01
(1,218)	1:A:72:HIS:HD1	1:A:51:ASN:HD21	12	8.01
(1,218)	1:A:72:HIS:HD1	1:B:51:ASN:HD21	12	8.01
(1,218)	1:A:72:HIS:HD2	1:A:51:ASN:HD21	12	8.01
(1,218)	1:A:72:HIS:HD2	1:B:51:ASN:HD21	12	8.01
(1,218)	1:B:72:HIS:HD1	1:A:51:ASN:HD21	12	8.01
(1,218)	1:B:72:HIS:HD1	1:B:51:ASN:HD21	12	8.01
(1,218)	1:B:72:HIS:HD2	1:A:51:ASN:HD21	12	8.01
(1,218)	1:B:72:HIS:HD2	1:B:51:ASN:HD21	12	8.01
(1,839)	1:A:87:HIS:HD1	1:A:72:HIS:H	16	8.0
(1,839)	1:A:87:HIS:HD1	1:B:72:HIS:H	16	8.0
(1,839)	1:A:87:HIS:HD2	1:A:72:HIS:H	16	8.0
(1,839)	1:A:87:HIS:HD2	1:B:72:HIS:H	16	8.0
(1,839)	1:B:87:HIS:HD1	1:A:72:HIS:H	16	8.0
(1,839)	1:B:87:HIS:HD1	1:B:72:HIS:H	16	8.0
(1,839)	1:B:87:HIS:HD2	1:A:72:HIS:H	16	8.0
(1,839)	1:B:87:HIS:HD2	1:B:72:HIS:H	16	8.0
(1,755)	1:A:87:HIS:HD1	1:A:72:HIS:H	7	7.99
(1,755)	1:A:87:HIS:HD1	1:B:72:HIS:H	7	7.99
(1,755)	1:B:87:HIS:HD1	1:A:72:HIS:H	7	7.99
(1,755)	1:B:87:HIS:HD1	1:B:72:HIS:H	7	7.99
(1,218)	1:A:72:HIS:HD1	1:A:51:ASN:HD21	10	7.99
(1,218)	1:A:72:HIS:HD1	1:B:51:ASN:HD21	10	7.99
(1,218)	1:A:72:HIS:HD2	1:A:51:ASN:HD21	10	7.99
(1,218)	1:A:72:HIS:HD2	1:B:51:ASN:HD21	10	7.99
(1,218)	1:B:72:HIS:HD1	1:A:51:ASN:HD21	10	7.99
(1,218)	1:B:72:HIS:HD1	1:B:51:ASN:HD21	10	7.99
(1,218)	1:B:72:HIS:HD2	1:A:51:ASN:HD21	10	7.99
(1,218)	1:B:72:HIS:HD2	1:B:51:ASN:HD21	10	7.99
(1,283)	1:A:87:HIS:HD2	1:A:72:HIS:H	10	7.97
(1,283)	1:A:87:HIS:HD2	1:B:72:HIS:H	10	7.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,283)	1:B:87:HIS:HD2	1:A:72:HIS:H	10	7.97
(1,283)	1:B:87:HIS:HD2	1:B:72:HIS:H	10	7.97
(1,218)	1:A:72:HIS:HD1	1:A:51:ASN:HD21	1	7.95
(1,218)	1:A:72:HIS:HD1	1:B:51:ASN:HD21	1	7.95
(1,218)	1:A:72:HIS:HD2	1:A:51:ASN:HD21	1	7.95
(1,218)	1:A:72:HIS:HD2	1:B:51:ASN:HD21	1	7.95
(1,218)	1:B:72:HIS:HD1	1:A:51:ASN:HD21	1	7.95
(1,218)	1:B:72:HIS:HD1	1:B:51:ASN:HD21	1	7.95
(1,218)	1:B:72:HIS:HD2	1:A:51:ASN:HD21	1	7.95
(1,218)	1:B:72:HIS:HD2	1:B:51:ASN:HD21	1	7.95
(1,218)	1:A:72:HIS:HD1	1:A:51:ASN:HD21	15	7.95
(1,218)	1:A:72:HIS:HD1	1:B:51:ASN:HD21	15	7.95
(1,218)	1:A:72:HIS:HD2	1:A:51:ASN:HD21	15	7.95
(1,218)	1:A:72:HIS:HD2	1:B:51:ASN:HD21	15	7.95
(1,218)	1:B:72:HIS:HD1	1:A:51:ASN:HD21	15	7.95
(1,218)	1:B:72:HIS:HD1	1:B:51:ASN:HD21	15	7.95
(1,218)	1:B:72:HIS:HD2	1:A:51:ASN:HD21	15	7.95
(1,218)	1:B:72:HIS:HD2	1:B:51:ASN:HD21	15	7.95
(1,839)	1:A:87:HIS:HD1	1:A:72:HIS:H	6	7.93
(1,839)	1:A:87:HIS:HD1	1:B:72:HIS:H	6	7.93
(1,839)	1:A:87:HIS:HD2	1:A:72:HIS:H	6	7.93
(1,839)	1:A:87:HIS:HD2	1:B:72:HIS:H	6	7.93
(1,839)	1:B:87:HIS:HD1	1:A:72:HIS:H	6	7.93
(1,839)	1:B:87:HIS:HD1	1:B:72:HIS:H	6	7.93
(1,839)	1:B:87:HIS:HD2	1:A:72:HIS:H	6	7.93
(1,839)	1:B:87:HIS:HD2	1:B:72:HIS:H	6	7.93
(1,229)	1:A:73:SER:HB2	1:A:51:ASN:HD22	4	7.93
(1,229)	1:A:73:SER:HB2	1:B:51:ASN:HD22	4	7.93
(1,229)	1:A:73:SER:HB3	1:A:51:ASN:HD22	4	7.93
(1,229)	1:A:73:SER:HB3	1:B:51:ASN:HD22	4	7.93
(1,229)	1:B:73:SER:HB2	1:A:51:ASN:HD22	4	7.93
(1,229)	1:B:73:SER:HB2	1:B:51:ASN:HD22	4	7.93
(1,229)	1:B:73:SER:HB3	1:A:51:ASN:HD22	4	7.93
(1,229)	1:B:73:SER:HB3	1:B:51:ASN:HD22	4	7.93
(1,218)	1:A:72:HIS:HD1	1:A:51:ASN:HD21	13	7.93
(1,218)	1:A:72:HIS:HD1	1:B:51:ASN:HD21	13	7.93
(1,218)	1:A:72:HIS:HD2	1:A:51:ASN:HD21	13	7.93
(1,218)	1:A:72:HIS:HD2	1:B:51:ASN:HD21	13	7.93
(1,218)	1:B:72:HIS:HD1	1:A:51:ASN:HD21	13	7.93
(1,218)	1:B:72:HIS:HD1	1:B:51:ASN:HD21	13	7.93
(1,218)	1:B:72:HIS:HD2	1:A:51:ASN:HD21	13	7.93
(1,218)	1:B:72:HIS:HD2	1:B:51:ASN:HD21	13	7.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,755)	1:A:87:HIS:HD1	1:A:72:HIS:H	3	7.92
(1,755)	1:A:87:HIS:HD1	1:B:72:HIS:H	3	7.92
(1,755)	1:B:87:HIS:HD1	1:A:72:HIS:H	3	7.92
(1,755)	1:B:87:HIS:HD1	1:B:72:HIS:H	3	7.92
(1,218)	1:A:72:HIS:HD1	1:A:51:ASN:HD21	5	7.9
(1,218)	1:A:72:HIS:HD1	1:B:51:ASN:HD21	5	7.9
(1,218)	1:A:72:HIS:HD2	1:A:51:ASN:HD21	5	7.9
(1,218)	1:A:72:HIS:HD2	1:B:51:ASN:HD21	5	7.9
(1,218)	1:B:72:HIS:HD1	1:A:51:ASN:HD21	5	7.9
(1,218)	1:B:72:HIS:HD1	1:B:51:ASN:HD21	5	7.9
(1,218)	1:B:72:HIS:HD2	1:A:51:ASN:HD21	5	7.9
(1,218)	1:B:72:HIS:HD2	1:B:51:ASN:HD21	5	7.9
(1,755)	1:A:87:HIS:HD1	1:A:72:HIS:H	11	7.89
(1,755)	1:A:87:HIS:HD1	1:B:72:HIS:H	11	7.89
(1,755)	1:B:87:HIS:HD1	1:A:72:HIS:H	11	7.89
(1,755)	1:B:87:HIS:HD1	1:B:72:HIS:H	11	7.89
(1,839)	1:A:87:HIS:HD1	1:A:72:HIS:H	18	7.85
(1,839)	1:A:87:HIS:HD1	1:B:72:HIS:H	18	7.85
(1,839)	1:A:87:HIS:HD2	1:A:72:HIS:H	18	7.85
(1,839)	1:A:87:HIS:HD2	1:B:72:HIS:H	18	7.85
(1,839)	1:B:87:HIS:HD1	1:A:72:HIS:H	18	7.85
(1,839)	1:B:87:HIS:HD1	1:B:72:HIS:H	18	7.85
(1,839)	1:B:87:HIS:HD2	1:A:72:HIS:H	18	7.85
(1,839)	1:B:87:HIS:HD2	1:B:72:HIS:H	18	7.85
(1,309)	1:A:92:GLN:H	1:A:67:LYS:HD2	5	7.85
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD2	5	7.85
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD3	5	7.85
(1,309)	1:B:92:GLN:H	1:A:67:LYS:HD2	5	7.85
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD2	5	7.85
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD3	5	7.85
(1,218)	1:A:72:HIS:HD1	1:A:51:ASN:HD21	17	7.84
(1,218)	1:A:72:HIS:HD1	1:B:51:ASN:HD21	17	7.84
(1,218)	1:A:72:HIS:HD2	1:A:51:ASN:HD21	17	7.84
(1,218)	1:A:72:HIS:HD2	1:B:51:ASN:HD21	17	7.84
(1,218)	1:B:72:HIS:HD1	1:A:51:ASN:HD21	17	7.84
(1,218)	1:B:72:HIS:HD1	1:B:51:ASN:HD21	17	7.84
(1,218)	1:B:72:HIS:HD2	1:A:51:ASN:HD21	17	7.84
(1,218)	1:B:72:HIS:HD2	1:B:51:ASN:HD21	17	7.84
(1,839)	1:A:87:HIS:HD1	1:A:72:HIS:H	8	7.81
(1,839)	1:A:87:HIS:HD1	1:B:72:HIS:H	8	7.81
(1,839)	1:A:87:HIS:HD2	1:A:72:HIS:H	8	7.81
(1,839)	1:A:87:HIS:HD2	1:B:72:HIS:H	8	7.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,839)	1:B:87:HIS:HD1	1:A:72:HIS:H	8	7.81
(1,839)	1:B:87:HIS:HD1	1:B:72:HIS:H	8	7.81
(1,839)	1:B:87:HIS:HD2	1:A:72:HIS:H	8	7.81
(1,839)	1:B:87:HIS:HD2	1:B:72:HIS:H	8	7.81
(1,309)	1:A:92:GLN:H	1:A:67:LYS:HD2	12	7.81
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD2	12	7.81
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD3	12	7.81
(1,309)	1:B:92:GLN:H	1:A:67:LYS:HD2	12	7.81
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD2	12	7.81
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD3	12	7.81
(1,218)	1:A:72:HIS:HD1	1:A:51:ASN:HD21	18	7.75
(1,218)	1:A:72:HIS:HD1	1:B:51:ASN:HD21	18	7.75
(1,218)	1:A:72:HIS:HD2	1:A:51:ASN:HD21	18	7.75
(1,218)	1:A:72:HIS:HD2	1:B:51:ASN:HD21	18	7.75
(1,218)	1:B:72:HIS:HD1	1:A:51:ASN:HD21	18	7.75
(1,218)	1:B:72:HIS:HD1	1:B:51:ASN:HD21	18	7.75
(1,218)	1:B:72:HIS:HD2	1:A:51:ASN:HD21	18	7.75
(1,218)	1:B:72:HIS:HD2	1:B:51:ASN:HD21	18	7.75
(1,218)	1:A:72:HIS:HD1	1:A:51:ASN:HD21	2	7.74
(1,218)	1:A:72:HIS:HD1	1:B:51:ASN:HD21	2	7.74
(1,218)	1:A:72:HIS:HD2	1:A:51:ASN:HD21	2	7.74
(1,218)	1:A:72:HIS:HD2	1:B:51:ASN:HD21	2	7.74
(1,218)	1:B:72:HIS:HD1	1:A:51:ASN:HD21	2	7.74
(1,218)	1:B:72:HIS:HD1	1:B:51:ASN:HD21	2	7.74
(1,218)	1:B:72:HIS:HD2	1:A:51:ASN:HD21	2	7.74
(1,218)	1:B:72:HIS:HD2	1:B:51:ASN:HD21	2	7.74
(1,839)	1:A:87:HIS:HD1	1:A:72:HIS:H	7	7.72
(1,839)	1:A:87:HIS:HD1	1:B:72:HIS:H	7	7.72
(1,839)	1:A:87:HIS:HD2	1:A:72:HIS:H	7	7.72
(1,839)	1:A:87:HIS:HD2	1:B:72:HIS:H	7	7.72
(1,839)	1:B:87:HIS:HD1	1:A:72:HIS:H	7	7.72
(1,839)	1:B:87:HIS:HD1	1:B:72:HIS:H	7	7.72
(1,839)	1:B:87:HIS:HD2	1:A:72:HIS:H	7	7.72
(1,839)	1:B:87:HIS:HD2	1:B:72:HIS:H	7	7.72
(1,218)	1:A:72:HIS:HD1	1:A:51:ASN:HD21	14	7.72
(1,218)	1:A:72:HIS:HD1	1:B:51:ASN:HD21	14	7.72
(1,218)	1:A:72:HIS:HD2	1:A:51:ASN:HD21	14	7.72
(1,218)	1:A:72:HIS:HD2	1:B:51:ASN:HD21	14	7.72
(1,218)	1:B:72:HIS:HD1	1:A:51:ASN:HD21	14	7.72
(1,218)	1:B:72:HIS:HD1	1:B:51:ASN:HD21	14	7.72
(1,218)	1:B:72:HIS:HD2	1:A:51:ASN:HD21	14	7.72
(1,218)	1:B:72:HIS:HD2	1:B:51:ASN:HD21	14	7.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,283)	1:A:87:HIS:HD2	1:A:72:HIS:H	5	7.7
(1,283)	1:A:87:HIS:HD2	1:B:72:HIS:H	5	7.7
(1,283)	1:B:87:HIS:HD2	1:A:72:HIS:H	5	7.7
(1,283)	1:B:87:HIS:HD2	1:B:72:HIS:H	5	7.7
(1,309)	1:A:92:GLN:H	1:A:67:LYS:HD2	18	7.69
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD2	18	7.69
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD3	18	7.69
(1,309)	1:B:92:GLN:H	1:A:67:LYS:HD2	18	7.69
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD2	18	7.69
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD3	18	7.69
(1,220)	1:A:73:SER:HB2	1:A:51:ASN:HD21	2	7.69
(1,220)	1:A:73:SER:HB2	1:B:51:ASN:HD21	2	7.69
(1,220)	1:A:73:SER:HB3	1:A:51:ASN:HD21	2	7.69
(1,220)	1:A:73:SER:HB3	1:B:51:ASN:HD21	2	7.69
(1,220)	1:B:73:SER:HB2	1:A:51:ASN:HD21	2	7.69
(1,220)	1:B:73:SER:HB2	1:B:51:ASN:HD21	2	7.69
(1,220)	1:B:73:SER:HB3	1:A:51:ASN:HD21	2	7.69
(1,220)	1:B:73:SER:HB3	1:B:51:ASN:HD21	2	7.69
(1,218)	1:A:72:HIS:HD1	1:A:51:ASN:HD21	19	7.69
(1,218)	1:A:72:HIS:HD1	1:B:51:ASN:HD21	19	7.69
(1,218)	1:A:72:HIS:HD2	1:A:51:ASN:HD21	19	7.69
(1,218)	1:A:72:HIS:HD2	1:B:51:ASN:HD21	19	7.69
(1,218)	1:B:72:HIS:HD1	1:A:51:ASN:HD21	19	7.69
(1,218)	1:B:72:HIS:HD1	1:B:51:ASN:HD21	19	7.69
(1,218)	1:B:72:HIS:HD2	1:A:51:ASN:HD21	19	7.69
(1,218)	1:B:72:HIS:HD2	1:B:51:ASN:HD21	19	7.69
(1,218)	1:A:72:HIS:HD1	1:A:51:ASN:HD21	16	7.65
(1,218)	1:A:72:HIS:HD1	1:B:51:ASN:HD21	16	7.65
(1,218)	1:A:72:HIS:HD2	1:A:51:ASN:HD21	16	7.65
(1,218)	1:A:72:HIS:HD2	1:B:51:ASN:HD21	16	7.65
(1,218)	1:B:72:HIS:HD1	1:A:51:ASN:HD21	16	7.65
(1,218)	1:B:72:HIS:HD1	1:B:51:ASN:HD21	16	7.65
(1,218)	1:B:72:HIS:HD2	1:A:51:ASN:HD21	16	7.65
(1,218)	1:B:72:HIS:HD2	1:B:51:ASN:HD21	16	7.65
(1,839)	1:A:87:HIS:HD1	1:A:72:HIS:H	4	7.64
(1,839)	1:A:87:HIS:HD1	1:B:72:HIS:H	4	7.64
(1,839)	1:A:87:HIS:HD2	1:A:72:HIS:H	4	7.64
(1,839)	1:A:87:HIS:HD2	1:B:72:HIS:H	4	7.64
(1,839)	1:B:87:HIS:HD1	1:A:72:HIS:H	4	7.64
(1,839)	1:B:87:HIS:HD1	1:B:72:HIS:H	4	7.64
(1,839)	1:B:87:HIS:HD2	1:A:72:HIS:H	4	7.64
(1,839)	1:B:87:HIS:HD2	1:B:72:HIS:H	4	7.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,839)	1:A:87:HIS:HD1	1:A:72:HIS:H	11	7.64
(1,839)	1:A:87:HIS:HD1	1:B:72:HIS:H	11	7.64
(1,839)	1:A:87:HIS:HD2	1:A:72:HIS:H	11	7.64
(1,839)	1:A:87:HIS:HD2	1:B:72:HIS:H	11	7.64
(1,839)	1:B:87:HIS:HD1	1:A:72:HIS:H	11	7.64
(1,839)	1:B:87:HIS:HD1	1:B:72:HIS:H	11	7.64
(1,839)	1:B:87:HIS:HD2	1:A:72:HIS:H	11	7.64
(1,839)	1:B:87:HIS:HD2	1:B:72:HIS:H	11	7.64
(1,839)	1:A:87:HIS:HD1	1:A:72:HIS:H	17	7.64
(1,839)	1:A:87:HIS:HD1	1:B:72:HIS:H	17	7.64
(1,839)	1:A:87:HIS:HD2	1:A:72:HIS:H	17	7.64
(1,839)	1:A:87:HIS:HD2	1:B:72:HIS:H	17	7.64
(1,839)	1:B:87:HIS:HD1	1:A:72:HIS:H	17	7.64
(1,839)	1:B:87:HIS:HD1	1:B:72:HIS:H	17	7.64
(1,839)	1:B:87:HIS:HD2	1:A:72:HIS:H	17	7.64
(1,839)	1:B:87:HIS:HD2	1:B:72:HIS:H	17	7.64
(1,309)	1:A:92:GLN:H	1:A:67:LYS:HD2	11	7.64
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD2	11	7.64
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD3	11	7.64
(1,309)	1:B:92:GLN:H	1:A:67:LYS:HD2	11	7.64
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD2	11	7.64
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD3	11	7.64
(1,839)	1:A:87:HIS:HD1	1:A:72:HIS:H	10	7.62
(1,839)	1:A:87:HIS:HD1	1:B:72:HIS:H	10	7.62
(1,839)	1:A:87:HIS:HD2	1:A:72:HIS:H	10	7.62
(1,839)	1:A:87:HIS:HD2	1:B:72:HIS:H	10	7.62
(1,839)	1:B:87:HIS:HD1	1:A:72:HIS:H	10	7.62
(1,839)	1:B:87:HIS:HD1	1:B:72:HIS:H	10	7.62
(1,839)	1:B:87:HIS:HD2	1:A:72:HIS:H	10	7.62
(1,839)	1:B:87:HIS:HD2	1:B:72:HIS:H	10	7.62
(1,309)	1:A:92:GLN:H	1:A:67:LYS:HD2	1	7.61
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD2	1	7.61
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD3	1	7.61
(1,309)	1:B:92:GLN:H	1:A:67:LYS:HD2	1	7.61
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD2	1	7.61
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD3	1	7.61
(1,560)	1:A:91:LEU:HA	1:A:66:LYS:HE2	1	7.6
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE2	1	7.6
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE3	1	7.6
(1,560)	1:B:91:LEU:HA	1:A:66:LYS:HE2	1	7.6
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE2	1	7.6
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE3	1	7.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:A:73:SER:HB2	1:A:51:ASN:HD22	9	7.53
(1,229)	1:A:73:SER:HB2	1:B:51:ASN:HD22	9	7.53
(1,229)	1:A:73:SER:HB3	1:A:51:ASN:HD22	9	7.53
(1,229)	1:A:73:SER:HB3	1:B:51:ASN:HD22	9	7.53
(1,229)	1:B:73:SER:HB2	1:A:51:ASN:HD22	9	7.53
(1,229)	1:B:73:SER:HB2	1:B:51:ASN:HD22	9	7.53
(1,229)	1:B:73:SER:HB3	1:A:51:ASN:HD22	9	7.53
(1,229)	1:B:73:SER:HB3	1:B:51:ASN:HD22	9	7.53
(1,309)	1:A:92:GLN:H	1:A:67:LYS:HD2	4	7.52
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD2	4	7.52
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD3	4	7.52
(1,309)	1:B:92:GLN:H	1:A:67:LYS:HD2	4	7.52
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD2	4	7.52
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD3	4	7.52
(1,309)	1:A:92:GLN:H	1:A:67:LYS:HD2	7	7.48
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD2	7	7.48
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD3	7	7.48
(1,309)	1:B:92:GLN:H	1:A:67:LYS:HD2	7	7.48
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD2	7	7.48
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD3	7	7.48
(1,309)	1:A:92:GLN:H	1:A:67:LYS:HD2	20	7.48
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD2	20	7.48
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD3	20	7.48
(1,309)	1:B:92:GLN:H	1:A:67:LYS:HD2	20	7.48
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD2	20	7.48
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD3	20	7.48
(1,309)	1:A:92:GLN:H	1:A:67:LYS:HD2	3	7.43
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD2	3	7.43
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD3	3	7.43
(1,309)	1:B:92:GLN:H	1:A:67:LYS:HD2	3	7.43
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD2	3	7.43
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD3	3	7.43
(1,218)	1:A:72:HIS:HD1	1:A:51:ASN:HD21	4	7.42
(1,218)	1:A:72:HIS:HD1	1:B:51:ASN:HD21	4	7.42
(1,218)	1:A:72:HIS:HD2	1:A:51:ASN:HD21	4	7.42
(1,218)	1:A:72:HIS:HD2	1:B:51:ASN:HD21	4	7.42
(1,218)	1:B:72:HIS:HD1	1:A:51:ASN:HD21	4	7.42
(1,218)	1:B:72:HIS:HD1	1:B:51:ASN:HD21	4	7.42
(1,218)	1:B:72:HIS:HD2	1:A:51:ASN:HD21	4	7.42
(1,218)	1:B:72:HIS:HD2	1:B:51:ASN:HD21	4	7.42
(1,218)	1:A:72:HIS:HD1	1:A:51:ASN:HD21	9	7.42
(1,218)	1:A:72:HIS:HD1	1:B:51:ASN:HD21	9	7.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,218)	1:A:72:HIS:HD2	1:A:51:ASN:HD21	9	7.42
(1,218)	1:A:72:HIS:HD2	1:B:51:ASN:HD21	9	7.42
(1,218)	1:B:72:HIS:HD1	1:A:51:ASN:HD21	9	7.42
(1,218)	1:B:72:HIS:HD1	1:B:51:ASN:HD21	9	7.42
(1,218)	1:B:72:HIS:HD2	1:A:51:ASN:HD21	9	7.42
(1,218)	1:B:72:HIS:HD2	1:B:51:ASN:HD21	9	7.42
(1,309)	1:A:92:GLN:H	1:A:67:LYS:HD2	17	7.4
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD2	17	7.4
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD3	17	7.4
(1,309)	1:B:92:GLN:H	1:A:67:LYS:HD2	17	7.4
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD2	17	7.4
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD3	17	7.4
(1,327)	1:A:90:ASN:H	1:A:66:LYS:HE2	1	7.39
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE2	1	7.39
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE3	1	7.39
(1,327)	1:B:90:ASN:H	1:A:66:LYS:HE2	1	7.39
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE2	1	7.39
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE3	1	7.39
(1,283)	1:A:87:HIS:HD2	1:A:72:HIS:H	19	7.38
(1,283)	1:A:87:HIS:HD2	1:B:72:HIS:H	19	7.38
(1,283)	1:B:87:HIS:HD2	1:A:72:HIS:H	19	7.38
(1,283)	1:B:87:HIS:HD2	1:B:72:HIS:H	19	7.38
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG2	20	7.34
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG3	20	7.34
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG2	20	7.34
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG3	20	7.34
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG2	20	7.34
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG3	20	7.34
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG2	20	7.34
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG3	20	7.34
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG2	20	7.34
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG3	20	7.34
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG2	20	7.34
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG3	20	7.34
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG2	20	7.34
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG3	20	7.34
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG2	20	7.34
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG3	20	7.34
(1,309)	1:A:92:GLN:H	1:A:67:LYS:HD2	14	7.33
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD2	14	7.33
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD3	14	7.33
(1,309)	1:B:92:GLN:H	1:A:67:LYS:HD2	14	7.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD2	14	7.33
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD3	14	7.33
(1,401)	1:A:75:LEU:HB2	1:A:51:ASN:HD22	6	7.29
(1,401)	1:A:75:LEU:HB2	1:B:51:ASN:HD22	6	7.29
(1,401)	1:A:75:LEU:HB3	1:A:51:ASN:HD22	6	7.29
(1,401)	1:A:75:LEU:HB3	1:B:51:ASN:HD22	6	7.29
(1,401)	1:B:75:LEU:HB2	1:A:51:ASN:HD22	6	7.29
(1,401)	1:B:75:LEU:HB2	1:B:51:ASN:HD22	6	7.29
(1,401)	1:B:75:LEU:HB3	1:A:51:ASN:HD22	6	7.29
(1,401)	1:B:75:LEU:HB3	1:B:51:ASN:HD22	6	7.29
(1,560)	1:A:91:LEU:HA	1:A:66:LYS:HE2	9	7.28
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE2	9	7.28
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE3	9	7.28
(1,560)	1:B:91:LEU:HA	1:A:66:LYS:HE2	9	7.28
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE2	9	7.28
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE3	9	7.28
(1,309)	1:A:92:GLN:H	1:A:67:LYS:HD2	19	7.27
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD2	19	7.27
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD3	19	7.27
(1,309)	1:B:92:GLN:H	1:A:67:LYS:HD2	19	7.27
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD2	19	7.27
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD3	19	7.27
(1,327)	1:A:90:ASN:H	1:A:66:LYS:HE2	9	7.26
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE2	9	7.26
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE3	9	7.26
(1,327)	1:B:90:ASN:H	1:A:66:LYS:HE2	9	7.26
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE2	9	7.26
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE3	9	7.26
(1,615)	1:A:91:LEU:HG	1:A:66:LYS:HE2	1	7.25
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE2	1	7.25
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE3	1	7.25
(1,615)	1:B:91:LEU:HG	1:A:66:LYS:HE2	1	7.25
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE2	1	7.25
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE3	1	7.25
(1,401)	1:A:75:LEU:HB2	1:A:51:ASN:HD22	14	7.25
(1,401)	1:A:75:LEU:HB2	1:B:51:ASN:HD22	14	7.25
(1,401)	1:A:75:LEU:HB3	1:A:51:ASN:HD22	14	7.25
(1,401)	1:A:75:LEU:HB3	1:B:51:ASN:HD22	14	7.25
(1,401)	1:B:75:LEU:HB2	1:A:51:ASN:HD22	14	7.25
(1,401)	1:B:75:LEU:HB2	1:B:51:ASN:HD22	14	7.25
(1,401)	1:B:75:LEU:HB3	1:A:51:ASN:HD22	14	7.25
(1,401)	1:B:75:LEU:HB3	1:B:51:ASN:HD22	14	7.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:A:89:ARG:HA	1:A:66:LYS:HE2	1	7.23
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE2	1	7.23
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE3	1	7.23
(1,557)	1:B:89:ARG:HA	1:A:66:LYS:HE2	1	7.23
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE2	1	7.23
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE3	1	7.23
(1,401)	1:A:75:LEU:HB2	1:A:51:ASN:HD22	19	7.22
(1,401)	1:A:75:LEU:HB2	1:B:51:ASN:HD22	19	7.22
(1,401)	1:A:75:LEU:HB3	1:A:51:ASN:HD22	19	7.22
(1,401)	1:A:75:LEU:HB3	1:B:51:ASN:HD22	19	7.22
(1,401)	1:B:75:LEU:HB2	1:A:51:ASN:HD22	19	7.22
(1,401)	1:B:75:LEU:HB2	1:B:51:ASN:HD22	19	7.22
(1,401)	1:B:75:LEU:HB3	1:A:51:ASN:HD22	19	7.22
(1,401)	1:B:75:LEU:HB3	1:B:51:ASN:HD22	19	7.22
(1,536)	1:A:89:ARG:H	1:A:66:LYS:HE2	1	7.21
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE2	1	7.21
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE3	1	7.21
(1,536)	1:B:89:ARG:H	1:A:66:LYS:HE2	1	7.21
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE2	1	7.21
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE3	1	7.21
(1,283)	1:A:87:HIS:HD2	1:A:72:HIS:H	20	7.21
(1,283)	1:A:87:HIS:HD2	1:B:72:HIS:H	20	7.21
(1,283)	1:B:87:HIS:HD2	1:A:72:HIS:H	20	7.21
(1,283)	1:B:87:HIS:HD2	1:B:72:HIS:H	20	7.21
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD2	15	7.2
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD3	15	7.2
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD2	15	7.2
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD3	15	7.2
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD2	15	7.2
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD3	15	7.2
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD2	15	7.2
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD3	15	7.2
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD2	15	7.2
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD3	15	7.2
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD2	15	7.2
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD3	15	7.2
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD2	15	7.2
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD3	15	7.2
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD2	15	7.2
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD3	15	7.2
(1,615)	1:A:91:LEU:HG	1:A:66:LYS:HE2	9	7.19
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE2	9	7.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE3	9	7.19
(1,615)	1:B:91:LEU:HG	1:A:66:LYS:HE2	9	7.19
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE2	9	7.19
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE3	9	7.19
(1,839)	1:A:87:HIS:HD1	1:A:72:HIS:H	20	7.18
(1,839)	1:A:87:HIS:HD1	1:B:72:HIS:H	20	7.18
(1,839)	1:A:87:HIS:HD2	1:A:72:HIS:H	20	7.18
(1,839)	1:A:87:HIS:HD2	1:B:72:HIS:H	20	7.18
(1,839)	1:B:87:HIS:HD1	1:A:72:HIS:H	20	7.18
(1,839)	1:B:87:HIS:HD1	1:B:72:HIS:H	20	7.18
(1,839)	1:B:87:HIS:HD2	1:A:72:HIS:H	20	7.18
(1,839)	1:B:87:HIS:HD2	1:B:72:HIS:H	20	7.18
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG2	6	7.18
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG3	6	7.18
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG2	6	7.18
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG3	6	7.18
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG2	6	7.18
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG3	6	7.18
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG2	6	7.18
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG3	6	7.18
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG2	6	7.18
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG3	6	7.18
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG2	6	7.18
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG3	6	7.18
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG2	6	7.18
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG3	6	7.18
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG2	6	7.18
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG3	6	7.18
(1,309)	1:A:92:GLN:H	1:A:67:LYS:HD2	9	7.18
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD2	9	7.18
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD3	9	7.18
(1,309)	1:B:92:GLN:H	1:A:67:LYS:HD2	9	7.18
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD2	9	7.18
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD3	9	7.18
(1,401)	1:A:75:LEU:HB2	1:A:51:ASN:HD22	2	7.17
(1,401)	1:A:75:LEU:HB2	1:B:51:ASN:HD22	2	7.17
(1,401)	1:A:75:LEU:HB3	1:A:51:ASN:HD22	2	7.17
(1,401)	1:A:75:LEU:HB3	1:B:51:ASN:HD22	2	7.17
(1,401)	1:B:75:LEU:HB2	1:A:51:ASN:HD22	2	7.17
(1,401)	1:B:75:LEU:HB2	1:B:51:ASN:HD22	2	7.17
(1,401)	1:B:75:LEU:HB3	1:A:51:ASN:HD22	2	7.17
(1,401)	1:B:75:LEU:HB3	1:B:51:ASN:HD22	2	7.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG2	3	7.16
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG3	3	7.16
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG2	3	7.16
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG3	3	7.16
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG2	3	7.16
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG3	3	7.16
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG2	3	7.16
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG3	3	7.16
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG2	3	7.16
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG3	3	7.16
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG2	3	7.16
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG3	3	7.16
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG2	3	7.16
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG3	3	7.16
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG2	3	7.16
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG3	3	7.16
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD2	9	7.15
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD3	9	7.15
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD2	9	7.15
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD3	9	7.15
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD2	9	7.15
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD3	9	7.15
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD2	9	7.15
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD3	9	7.15
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD2	9	7.15
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD3	9	7.15
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD2	9	7.15
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD3	9	7.15
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD2	9	7.15
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD3	9	7.15
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD2	9	7.15
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD3	9	7.15
(1,309)	1:A:92:GLN:H	1:A:67:LYS:HD2	10	7.15
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD2	10	7.15
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD3	10	7.15
(1,309)	1:B:92:GLN:H	1:A:67:LYS:HD2	10	7.15
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD2	10	7.15
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD3	10	7.15
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG2	10	7.14
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG3	10	7.14
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG2	10	7.14
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG3	10	7.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG2	10	7.14
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG3	10	7.14
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG2	10	7.14
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG3	10	7.14
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG2	10	7.14
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG3	10	7.14
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG2	10	7.14
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG3	10	7.14
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG2	10	7.14
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG3	10	7.14
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG2	10	7.14
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG3	10	7.14
(1,401)	1:A:75:LEU:HB2	1:A:51:ASN:HD22	8	7.14
(1,401)	1:A:75:LEU:HB2	1:B:51:ASN:HD22	8	7.14
(1,401)	1:A:75:LEU:HB3	1:A:51:ASN:HD22	8	7.14
(1,401)	1:A:75:LEU:HB3	1:B:51:ASN:HD22	8	7.14
(1,401)	1:B:75:LEU:HB2	1:A:51:ASN:HD22	8	7.14
(1,401)	1:B:75:LEU:HB2	1:B:51:ASN:HD22	8	7.14
(1,401)	1:B:75:LEU:HB3	1:A:51:ASN:HD22	8	7.14
(1,401)	1:B:75:LEU:HB3	1:B:51:ASN:HD22	8	7.14
(1,839)	1:A:87:HIS:HD1	1:A:72:HIS:H	12	7.11
(1,839)	1:A:87:HIS:HD1	1:B:72:HIS:H	12	7.11
(1,839)	1:A:87:HIS:HD2	1:A:72:HIS:H	12	7.11
(1,839)	1:A:87:HIS:HD2	1:B:72:HIS:H	12	7.11
(1,839)	1:B:87:HIS:HD1	1:A:72:HIS:H	12	7.11
(1,839)	1:B:87:HIS:HD1	1:B:72:HIS:H	12	7.11
(1,839)	1:B:87:HIS:HD2	1:A:72:HIS:H	12	7.11
(1,839)	1:B:87:HIS:HD2	1:B:72:HIS:H	12	7.11
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG2	15	7.09
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG3	15	7.09
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG2	15	7.09
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG3	15	7.09
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG2	15	7.09
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG3	15	7.09
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG2	15	7.09
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG3	15	7.09
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG2	15	7.09
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG3	15	7.09
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG2	15	7.09
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG3	15	7.09
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG2	15	7.09
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG3	15	7.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG2	15	7.09
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG3	15	7.09
(1,537)	1:A:91:LEU:H	1:A:66:LYS:HE2	1	7.05
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE2	1	7.05
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE3	1	7.05
(1,537)	1:B:91:LEU:H	1:A:66:LYS:HE2	1	7.05
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE2	1	7.05
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE3	1	7.05
(1,309)	1:A:92:GLN:H	1:A:67:LYS:HD2	8	7.05
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD2	8	7.05
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD3	8	7.05
(1,309)	1:B:92:GLN:H	1:A:67:LYS:HD2	8	7.05
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD2	8	7.05
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD3	8	7.05
(1,755)	1:A:87:HIS:HD1	1:A:72:HIS:H	19	7.04
(1,755)	1:A:87:HIS:HD1	1:B:72:HIS:H	19	7.04
(1,755)	1:B:87:HIS:HD1	1:A:72:HIS:H	19	7.04
(1,755)	1:B:87:HIS:HD1	1:B:72:HIS:H	19	7.04
(1,283)	1:A:87:HIS:HD2	1:A:72:HIS:H	12	7.02
(1,283)	1:A:87:HIS:HD2	1:B:72:HIS:H	12	7.02
(1,283)	1:B:87:HIS:HD2	1:A:72:HIS:H	12	7.02
(1,283)	1:B:87:HIS:HD2	1:B:72:HIS:H	12	7.02
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB2	2	6.99
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB3	2	6.99
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB2	2	6.99
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB3	2	6.99
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB2	2	6.99
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB3	2	6.99
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB2	2	6.99
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB3	2	6.99
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB2	2	6.99
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB3	2	6.99
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB2	2	6.99
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB3	2	6.99
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB2	2	6.99
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB3	2	6.99
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB2	2	6.99
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB3	2	6.99
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG2	7	6.99
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG3	7	6.99
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG2	7	6.99
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG3	7	6.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG2	7	6.99
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG3	7	6.99
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG2	7	6.99
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG3	7	6.99
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG2	7	6.99
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG3	7	6.99
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG2	7	6.99
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG3	7	6.99
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG2	7	6.99
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG3	7	6.99
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG2	7	6.99
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG3	7	6.99
(1,839)	1:A:87:HIS:HD1	1:A:72:HIS:H	14	6.98
(1,839)	1:A:87:HIS:HD1	1:B:72:HIS:H	14	6.98
(1,839)	1:A:87:HIS:HD2	1:A:72:HIS:H	14	6.98
(1,839)	1:A:87:HIS:HD2	1:B:72:HIS:H	14	6.98
(1,839)	1:B:87:HIS:HD1	1:A:72:HIS:H	14	6.98
(1,839)	1:B:87:HIS:HD1	1:B:72:HIS:H	14	6.98
(1,839)	1:B:87:HIS:HD2	1:A:72:HIS:H	14	6.98
(1,839)	1:B:87:HIS:HD2	1:B:72:HIS:H	14	6.98
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD2	12	6.98
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD3	12	6.98
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD2	12	6.98
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD3	12	6.98
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD2	12	6.98
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD3	12	6.98
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD2	12	6.98
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD3	12	6.98
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD2	12	6.98
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD3	12	6.98
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD2	12	6.98
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD3	12	6.98
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD2	12	6.98
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD3	12	6.98
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD2	12	6.98
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD3	12	6.98
(1,839)	1:A:87:HIS:HD1	1:A:72:HIS:H	3	6.97
(1,839)	1:A:87:HIS:HD1	1:B:72:HIS:H	3	6.97
(1,839)	1:A:87:HIS:HD2	1:A:72:HIS:H	3	6.97
(1,839)	1:A:87:HIS:HD2	1:B:72:HIS:H	3	6.97
(1,839)	1:B:87:HIS:HD1	1:A:72:HIS:H	3	6.97
(1,839)	1:B:87:HIS:HD1	1:B:72:HIS:H	3	6.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,839)	1:B:87:HIS:HD2	1:A:72:HIS:H	3	6.97
(1,839)	1:B:87:HIS:HD2	1:B:72:HIS:H	3	6.97
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD2	6	6.95
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD3	6	6.95
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD2	6	6.95
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD3	6	6.95
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD2	6	6.95
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD3	6	6.95
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD2	6	6.95
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD3	6	6.95
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD2	6	6.95
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD3	6	6.95
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD2	6	6.95
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD3	6	6.95
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD2	6	6.95
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD3	6	6.95
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD2	6	6.95
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD3	6	6.95
(1,283)	1:A:87:HIS:HD2	1:A:72:HIS:H	3	6.94
(1,283)	1:A:87:HIS:HD2	1:B:72:HIS:H	3	6.94
(1,283)	1:B:87:HIS:HD2	1:A:72:HIS:H	3	6.94
(1,283)	1:B:87:HIS:HD2	1:B:72:HIS:H	3	6.94
(1,536)	1:A:89:ARG:H	1:A:66:LYS:HE2	4	6.93
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE2	4	6.93
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE3	4	6.93
(1,536)	1:B:89:ARG:H	1:A:66:LYS:HE2	4	6.93
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE2	4	6.93
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE3	4	6.93
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD2	2	6.93
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD3	2	6.93
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD2	2	6.93
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD3	2	6.93
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD2	2	6.93
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD3	2	6.93
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD2	2	6.93
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD3	2	6.93
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD2	2	6.93
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD3	2	6.93
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD2	2	6.93
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD3	2	6.93
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD2	2	6.93
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD3	2	6.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD2	2	6.93
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD3	2	6.93
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG2	1	6.9
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG3	1	6.9
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG2	1	6.9
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG3	1	6.9
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG2	1	6.9
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG3	1	6.9
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG2	1	6.9
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG3	1	6.9
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG2	1	6.9
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG3	1	6.9
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG2	1	6.9
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG3	1	6.9
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG2	1	6.9
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG3	1	6.9
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG2	1	6.9
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG3	1	6.9
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG2	5	6.9
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG3	5	6.9
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG2	5	6.9
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG3	5	6.9
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG2	5	6.9
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG3	5	6.9
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG2	5	6.9
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG3	5	6.9
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG2	5	6.9
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG3	5	6.9
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG2	5	6.9
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG3	5	6.9
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG2	5	6.9
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG3	5	6.9
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG2	5	6.9
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG3	5	6.9
(1,401)	1:A:75:LEU:HB2	1:A:51:ASN:HD22	20	6.9
(1,401)	1:A:75:LEU:HB2	1:B:51:ASN:HD22	20	6.9
(1,401)	1:A:75:LEU:HB3	1:A:51:ASN:HD22	20	6.9
(1,401)	1:A:75:LEU:HB3	1:B:51:ASN:HD22	20	6.9
(1,401)	1:B:75:LEU:HB2	1:A:51:ASN:HD22	20	6.9
(1,401)	1:B:75:LEU:HB2	1:B:51:ASN:HD22	20	6.9
(1,401)	1:B:75:LEU:HB3	1:A:51:ASN:HD22	20	6.9
(1,401)	1:B:75:LEU:HB3	1:B:51:ASN:HD22	20	6.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,401)	1:A:75:LEU:HB2	1:A:51:ASN:HD22	3	6.89
(1,401)	1:A:75:LEU:HB2	1:B:51:ASN:HD22	3	6.89
(1,401)	1:A:75:LEU:HB3	1:A:51:ASN:HD22	3	6.89
(1,401)	1:A:75:LEU:HB3	1:B:51:ASN:HD22	3	6.89
(1,401)	1:B:75:LEU:HB2	1:A:51:ASN:HD22	3	6.89
(1,401)	1:B:75:LEU:HB2	1:B:51:ASN:HD22	3	6.89
(1,401)	1:B:75:LEU:HB3	1:A:51:ASN:HD22	3	6.89
(1,401)	1:B:75:LEU:HB3	1:B:51:ASN:HD22	3	6.89
(1,537)	1:A:91:LEU:H	1:A:66:LYS:HE2	9	6.88
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE2	9	6.88
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE3	9	6.88
(1,537)	1:B:91:LEU:H	1:A:66:LYS:HE2	9	6.88
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE2	9	6.88
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE3	9	6.88
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG2	14	6.87
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG3	14	6.87
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG2	14	6.87
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG3	14	6.87
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG2	14	6.87
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG3	14	6.87
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG2	14	6.87
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG3	14	6.87
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG2	14	6.87
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG3	14	6.87
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG2	14	6.87
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG3	14	6.87
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG2	14	6.87
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG3	14	6.87
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG2	14	6.87
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG3	14	6.87
(1,327)	1:A:90:ASN:H	1:A:66:LYS:HE2	6	6.87
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE2	6	6.87
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE3	6	6.87
(1,327)	1:B:90:ASN:H	1:A:66:LYS:HE2	6	6.87
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE2	6	6.87
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE3	6	6.87
(1,755)	1:A:87:HIS:HD1	1:A:72:HIS:H	13	6.86
(1,755)	1:A:87:HIS:HD1	1:B:72:HIS:H	13	6.86
(1,755)	1:B:87:HIS:HD1	1:A:72:HIS:H	13	6.86
(1,755)	1:B:87:HIS:HD1	1:B:72:HIS:H	13	6.86
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD2	1	6.86
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD3	1	6.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD2	1	6.86
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD3	1	6.86
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD2	1	6.86
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD3	1	6.86
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD2	1	6.86
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD3	1	6.86
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD2	1	6.86
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD3	1	6.86
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD2	1	6.86
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD3	1	6.86
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD2	1	6.86
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD3	1	6.86
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD2	1	6.86
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD3	1	6.86
(1,401)	1:A:75:LEU:HB2	1:A:51:ASN:HD22	18	6.86
(1,401)	1:A:75:LEU:HB2	1:B:51:ASN:HD22	18	6.86
(1,401)	1:A:75:LEU:HB3	1:A:51:ASN:HD22	18	6.86
(1,401)	1:A:75:LEU:HB3	1:B:51:ASN:HD22	18	6.86
(1,401)	1:B:75:LEU:HB2	1:A:51:ASN:HD22	18	6.86
(1,401)	1:B:75:LEU:HB2	1:B:51:ASN:HD22	18	6.86
(1,401)	1:B:75:LEU:HB3	1:A:51:ASN:HD22	18	6.86
(1,401)	1:B:75:LEU:HB3	1:B:51:ASN:HD22	18	6.86
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG2	18	6.85
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG3	18	6.85
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG2	18	6.85
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG3	18	6.85
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG2	18	6.85
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG3	18	6.85
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG2	18	6.85
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG3	18	6.85
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG2	18	6.85
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG3	18	6.85
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG2	18	6.85
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG3	18	6.85
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG2	18	6.85
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG3	18	6.85
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG2	18	6.85
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG3	18	6.85
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG2	13	6.84
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG3	13	6.84
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG2	13	6.84
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG3	13	6.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG2	13	6.84
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG3	13	6.84
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG2	13	6.84
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG3	13	6.84
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG2	13	6.84
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG3	13	6.84
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG2	13	6.84
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG3	13	6.84
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG2	13	6.84
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG3	13	6.84
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG2	13	6.84
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG3	13	6.84
(1,839)	1:A:87:HIS:HD1	1:A:72:HIS:H	19	6.83
(1,839)	1:A:87:HIS:HD1	1:B:72:HIS:H	19	6.83
(1,839)	1:A:87:HIS:HD2	1:A:72:HIS:H	19	6.83
(1,839)	1:A:87:HIS:HD2	1:B:72:HIS:H	19	6.83
(1,839)	1:B:87:HIS:HD1	1:A:72:HIS:H	19	6.83
(1,839)	1:B:87:HIS:HD1	1:B:72:HIS:H	19	6.83
(1,839)	1:B:87:HIS:HD2	1:A:72:HIS:H	19	6.83
(1,839)	1:B:87:HIS:HD2	1:B:72:HIS:H	19	6.83
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG2	16	6.83
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG3	16	6.83
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG2	16	6.83
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG3	16	6.83
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG2	16	6.83
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG3	16	6.83
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG2	16	6.83
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG3	16	6.83
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG2	16	6.83
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG3	16	6.83
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG2	16	6.83
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG3	16	6.83
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG2	16	6.83
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG3	16	6.83
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG2	16	6.83
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG3	16	6.83
(1,327)	1:A:90:ASN:H	1:A:66:LYS:HE2	13	6.83
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE2	13	6.83
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE3	13	6.83
(1,327)	1:B:90:ASN:H	1:A:66:LYS:HE2	13	6.83
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE2	13	6.83
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE3	13	6.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB2	9	6.82
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB3	9	6.82
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB2	9	6.82
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB3	9	6.82
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB2	9	6.82
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB3	9	6.82
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB2	9	6.82
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB3	9	6.82
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB2	9	6.82
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB3	9	6.82
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB2	9	6.82
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB3	9	6.82
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB2	9	6.82
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB3	9	6.82
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB2	9	6.82
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB3	9	6.82
(1,283)	1:A:87:HIS:HD2	1:A:72:HIS:H	14	6.82
(1,283)	1:A:87:HIS:HD2	1:B:72:HIS:H	14	6.82
(1,283)	1:B:87:HIS:HD2	1:A:72:HIS:H	14	6.82
(1,283)	1:B:87:HIS:HD2	1:B:72:HIS:H	14	6.82
(1,557)	1:A:89:ARG:HA	1:A:66:LYS:HE2	10	6.81
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE2	10	6.81
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE3	10	6.81
(1,557)	1:B:89:ARG:HA	1:A:66:LYS:HE2	10	6.81
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE2	10	6.81
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE3	10	6.81
(1,401)	1:A:75:LEU:HB2	1:A:51:ASN:HD22	12	6.81
(1,401)	1:A:75:LEU:HB2	1:B:51:ASN:HD22	12	6.81
(1,401)	1:A:75:LEU:HB3	1:A:51:ASN:HD22	12	6.81
(1,401)	1:A:75:LEU:HB3	1:B:51:ASN:HD22	12	6.81
(1,401)	1:B:75:LEU:HB2	1:A:51:ASN:HD22	12	6.81
(1,401)	1:B:75:LEU:HB2	1:B:51:ASN:HD22	12	6.81
(1,401)	1:B:75:LEU:HB3	1:A:51:ASN:HD22	12	6.81
(1,401)	1:B:75:LEU:HB3	1:B:51:ASN:HD22	12	6.81
(1,560)	1:A:91:LEU:HA	1:A:66:LYS:HE2	13	6.8
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE2	13	6.8
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE3	13	6.8
(1,560)	1:B:91:LEU:HA	1:A:66:LYS:HE2	13	6.8
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE2	13	6.8
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE3	13	6.8
(1,401)	1:A:75:LEU:HB2	1:A:51:ASN:HD22	1	6.8
(1,401)	1:A:75:LEU:HB2	1:B:51:ASN:HD22	1	6.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,401)	1:A:75:LEU:HB3	1:A:51:ASN:HD22	1	6.8
(1,401)	1:A:75:LEU:HB3	1:B:51:ASN:HD22	1	6.8
(1,401)	1:B:75:LEU:HB2	1:A:51:ASN:HD22	1	6.8
(1,401)	1:B:75:LEU:HB2	1:B:51:ASN:HD22	1	6.8
(1,401)	1:B:75:LEU:HB3	1:A:51:ASN:HD22	1	6.8
(1,401)	1:B:75:LEU:HB3	1:B:51:ASN:HD22	1	6.8
(1,536)	1:A:89:ARG:H	1:A:66:LYS:HE2	9	6.79
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE2	9	6.79
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE3	9	6.79
(1,536)	1:B:89:ARG:H	1:A:66:LYS:HE2	9	6.79
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE2	9	6.79
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE3	9	6.79
(1,327)	1:A:90:ASN:H	1:A:66:LYS:HE2	4	6.79
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE2	4	6.79
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE3	4	6.79
(1,327)	1:B:90:ASN:H	1:A:66:LYS:HE2	4	6.79
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE2	4	6.79
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE3	4	6.79
(1,229)	1:A:73:SER:HB2	1:A:51:ASN:HD22	2	6.78
(1,229)	1:A:73:SER:HB2	1:B:51:ASN:HD22	2	6.78
(1,229)	1:A:73:SER:HB3	1:A:51:ASN:HD22	2	6.78
(1,229)	1:A:73:SER:HB3	1:B:51:ASN:HD22	2	6.78
(1,229)	1:B:73:SER:HB2	1:A:51:ASN:HD22	2	6.78
(1,229)	1:B:73:SER:HB2	1:B:51:ASN:HD22	2	6.78
(1,229)	1:B:73:SER:HB3	1:A:51:ASN:HD22	2	6.78
(1,229)	1:B:73:SER:HB3	1:B:51:ASN:HD22	2	6.78
(1,327)	1:A:90:ASN:H	1:A:66:LYS:HE2	10	6.77
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE2	10	6.77
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE3	10	6.77
(1,327)	1:B:90:ASN:H	1:A:66:LYS:HE2	10	6.77
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE2	10	6.77
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE3	10	6.77
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG2	11	6.76
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG3	11	6.76
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG2	11	6.76
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG3	11	6.76
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG2	11	6.76
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG3	11	6.76
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG2	11	6.76
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG3	11	6.76
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG2	11	6.76
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG3	11	6.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG2	11	6.76
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG3	11	6.76
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG2	11	6.76
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG3	11	6.76
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG2	11	6.76
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG3	11	6.76
(1,327)	1:A:90:ASN:H	1:A:66:LYS:HE2	11	6.76
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE2	11	6.76
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE3	11	6.76
(1,327)	1:B:90:ASN:H	1:A:66:LYS:HE2	11	6.76
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE2	11	6.76
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE3	11	6.76
(1,560)	1:A:91:LEU:HA	1:A:66:LYS:HE2	6	6.74
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE2	6	6.74
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE3	6	6.74
(1,560)	1:B:91:LEU:HA	1:A:66:LYS:HE2	6	6.74
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE2	6	6.74
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE3	6	6.74
(1,557)	1:A:89:ARG:HA	1:A:66:LYS:HE2	4	6.74
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE2	4	6.74
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE3	4	6.74
(1,557)	1:B:89:ARG:HA	1:A:66:LYS:HE2	4	6.74
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE2	4	6.74
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE3	4	6.74
(1,546)	1:A:88:LEU:HA	1:A:66:LYS:HE2	1	6.74
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE2	1	6.74
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE3	1	6.74
(1,546)	1:B:88:LEU:HA	1:A:66:LYS:HE2	1	6.74
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE2	1	6.74
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE3	1	6.74
(1,401)	1:A:75:LEU:HB2	1:A:51:ASN:HD22	15	6.74
(1,401)	1:A:75:LEU:HB2	1:B:51:ASN:HD22	15	6.74
(1,401)	1:A:75:LEU:HB3	1:A:51:ASN:HD22	15	6.74
(1,401)	1:A:75:LEU:HB3	1:B:51:ASN:HD22	15	6.74
(1,401)	1:B:75:LEU:HB2	1:A:51:ASN:HD22	15	6.74
(1,401)	1:B:75:LEU:HB2	1:B:51:ASN:HD22	15	6.74
(1,401)	1:B:75:LEU:HB3	1:A:51:ASN:HD22	15	6.74
(1,401)	1:B:75:LEU:HB3	1:B:51:ASN:HD22	15	6.74
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD2	4	6.73
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD3	4	6.73
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD2	4	6.73
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD3	4	6.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD2	4	6.73
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD3	4	6.73
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD2	4	6.73
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD3	4	6.73
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD2	4	6.73
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD3	4	6.73
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD2	4	6.73
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD3	4	6.73
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD2	4	6.73
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD3	4	6.73
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD2	4	6.73
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD3	4	6.73
(1,401)	1:A:75:LEU:HB2	1:A:51:ASN:HD22	11	6.73
(1,401)	1:A:75:LEU:HB2	1:B:51:ASN:HD22	11	6.73
(1,401)	1:A:75:LEU:HB3	1:A:51:ASN:HD22	11	6.73
(1,401)	1:A:75:LEU:HB3	1:B:51:ASN:HD22	11	6.73
(1,401)	1:B:75:LEU:HB2	1:A:51:ASN:HD22	11	6.73
(1,401)	1:B:75:LEU:HB2	1:B:51:ASN:HD22	11	6.73
(1,401)	1:B:75:LEU:HB3	1:A:51:ASN:HD22	11	6.73
(1,401)	1:B:75:LEU:HB3	1:B:51:ASN:HD22	11	6.73
(1,536)	1:A:89:ARG:H	1:A:66:LYS:HE2	16	6.72
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE2	16	6.72
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE3	16	6.72
(1,536)	1:B:89:ARG:H	1:A:66:LYS:HE2	16	6.72
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE2	16	6.72
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE3	16	6.72
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB2	15	6.7
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB3	15	6.7
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB2	15	6.7
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB3	15	6.7
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB2	15	6.7
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB3	15	6.7
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB2	15	6.7
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB3	15	6.7
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB2	15	6.7
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB3	15	6.7
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB2	15	6.7
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB3	15	6.7
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB2	15	6.7
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB3	15	6.7
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB2	15	6.7
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB3	15	6.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG2	19	6.69
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG3	19	6.69
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG2	19	6.69
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG3	19	6.69
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG2	19	6.69
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG3	19	6.69
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG2	19	6.69
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG3	19	6.69
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG2	19	6.69
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG3	19	6.69
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG2	19	6.69
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG3	19	6.69
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG2	19	6.69
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG3	19	6.69
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG2	19	6.69
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG3	19	6.69
(1,560)	1:A:91:LEU:HA	1:A:66:LYS:HE2	10	6.69
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE2	10	6.69
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE3	10	6.69
(1,560)	1:B:91:LEU:HA	1:A:66:LYS:HE2	10	6.69
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE2	10	6.69
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE3	10	6.69
(1,536)	1:A:89:ARG:H	1:A:66:LYS:HE2	10	6.69
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE2	10	6.69
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE3	10	6.69
(1,536)	1:B:89:ARG:H	1:A:66:LYS:HE2	10	6.69
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE2	10	6.69
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE3	10	6.69
(1,401)	1:A:75:LEU:HB2	1:A:51:ASN:HD22	7	6.68
(1,401)	1:A:75:LEU:HB2	1:B:51:ASN:HD22	7	6.68
(1,401)	1:A:75:LEU:HB3	1:A:51:ASN:HD22	7	6.68
(1,401)	1:A:75:LEU:HB3	1:B:51:ASN:HD22	7	6.68
(1,401)	1:B:75:LEU:HB2	1:A:51:ASN:HD22	7	6.68
(1,401)	1:B:75:LEU:HB2	1:B:51:ASN:HD22	7	6.68
(1,401)	1:B:75:LEU:HB3	1:A:51:ASN:HD22	7	6.68
(1,401)	1:B:75:LEU:HB3	1:B:51:ASN:HD22	7	6.68
(1,327)	1:A:90:ASN:H	1:A:66:LYS:HE2	16	6.67
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE2	16	6.67
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE3	16	6.67
(1,327)	1:B:90:ASN:H	1:A:66:LYS:HE2	16	6.67
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE2	16	6.67
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE3	16	6.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB2	16	6.66
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB3	16	6.66
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB2	16	6.66
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB3	16	6.66
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB2	16	6.66
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB3	16	6.66
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB2	16	6.66
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB3	16	6.66
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB2	16	6.66
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB3	16	6.66
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB2	16	6.66
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB3	16	6.66
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB2	16	6.66
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB3	16	6.66
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB2	16	6.66
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB3	16	6.66
(1,536)	1:A:89:ARG:H	1:A:66:LYS:HE2	5	6.66
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE2	5	6.66
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE3	5	6.66
(1,536)	1:B:89:ARG:H	1:A:66:LYS:HE2	5	6.66
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE2	5	6.66
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE3	5	6.66
(1,536)	1:A:89:ARG:H	1:A:66:LYS:HE2	17	6.66
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE2	17	6.66
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE3	17	6.66
(1,536)	1:B:89:ARG:H	1:A:66:LYS:HE2	17	6.66
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE2	17	6.66
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE3	17	6.66
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD2	5	6.66
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD3	5	6.66
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD2	5	6.66
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD3	5	6.66
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD2	5	6.66
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD3	5	6.66
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD2	5	6.66
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD3	5	6.66
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD2	5	6.66
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD3	5	6.66
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD2	5	6.66
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD3	5	6.66
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD2	5	6.66
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD3	5	6.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD2	5	6.66
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD3	5	6.66
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG2	8	6.65
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG3	8	6.65
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG2	8	6.65
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG3	8	6.65
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG2	8	6.65
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG3	8	6.65
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG2	8	6.65
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG3	8	6.65
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG2	8	6.65
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG3	8	6.65
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG2	8	6.65
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG3	8	6.65
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG2	8	6.65
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG3	8	6.65
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG2	8	6.65
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG3	8	6.65
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG2	4	6.64
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG3	4	6.64
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG2	4	6.64
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG3	4	6.64
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG2	4	6.64
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG3	4	6.64
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG2	4	6.64
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG3	4	6.64
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG2	4	6.64
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG3	4	6.64
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG2	4	6.64
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG3	4	6.64
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG2	4	6.64
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG3	4	6.64
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG2	4	6.64
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG3	4	6.64
(1,560)	1:A:91:LEU:HA	1:A:66:LYS:HE2	11	6.63
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE2	11	6.63
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE3	11	6.63
(1,560)	1:B:91:LEU:HA	1:A:66:LYS:HE2	11	6.63
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE2	11	6.63
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE3	11	6.63
(1,839)	1:A:87:HIS:HD1	1:A:72:HIS:H	5	6.62
(1,839)	1:A:87:HIS:HD1	1:B:72:HIS:H	5	6.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,839)	1:A:87:HIS:HD2	1:A:72:HIS:H	5	6.62
(1,839)	1:A:87:HIS:HD2	1:B:72:HIS:H	5	6.62
(1,839)	1:B:87:HIS:HD1	1:A:72:HIS:H	5	6.62
(1,839)	1:B:87:HIS:HD1	1:B:72:HIS:H	5	6.62
(1,839)	1:B:87:HIS:HD2	1:A:72:HIS:H	5	6.62
(1,839)	1:B:87:HIS:HD2	1:B:72:HIS:H	5	6.62
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG2	17	6.62
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG3	17	6.62
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG2	17	6.62
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG3	17	6.62
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG2	17	6.62
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG3	17	6.62
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG2	17	6.62
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG3	17	6.62
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG2	17	6.62
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG3	17	6.62
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG2	17	6.62
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG3	17	6.62
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG2	17	6.62
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG3	17	6.62
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG2	17	6.62
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG3	17	6.62
(1,536)	1:A:89:ARG:H	1:A:66:LYS:HE2	11	6.61
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE2	11	6.61
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE3	11	6.61
(1,536)	1:B:89:ARG:H	1:A:66:LYS:HE2	11	6.61
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE2	11	6.61
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE3	11	6.61
(1,401)	1:A:75:LEU:HB2	1:A:51:ASN:HD22	17	6.61
(1,401)	1:A:75:LEU:HB2	1:B:51:ASN:HD22	17	6.61
(1,401)	1:A:75:LEU:HB3	1:A:51:ASN:HD22	17	6.61
(1,401)	1:A:75:LEU:HB3	1:B:51:ASN:HD22	17	6.61
(1,401)	1:B:75:LEU:HB2	1:A:51:ASN:HD22	17	6.61
(1,401)	1:B:75:LEU:HB2	1:B:51:ASN:HD22	17	6.61
(1,401)	1:B:75:LEU:HB3	1:A:51:ASN:HD22	17	6.61
(1,401)	1:B:75:LEU:HB3	1:B:51:ASN:HD22	17	6.61
(1,546)	1:A:88:LEU:HA	1:A:66:LYS:HE2	9	6.6
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE2	9	6.6
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE3	9	6.6
(1,546)	1:B:88:LEU:HA	1:A:66:LYS:HE2	9	6.6
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE2	9	6.6
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE3	9	6.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:A:76:GLU:HA	1:A:51:ASN:HD21	2	6.6
(1,354)	1:A:76:GLU:HA	1:B:51:ASN:HD21	2	6.6
(1,354)	1:B:76:GLU:HA	1:A:51:ASN:HD21	2	6.6
(1,354)	1:B:76:GLU:HA	1:B:51:ASN:HD21	2	6.6
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD2	17	6.59
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD3	17	6.59
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD2	17	6.59
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD3	17	6.59
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD2	17	6.59
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD3	17	6.59
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD2	17	6.59
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD3	17	6.59
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD2	17	6.59
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD3	17	6.59
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD2	17	6.59
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD3	17	6.59
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD2	17	6.59
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD3	17	6.59
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD2	17	6.59
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD3	17	6.59
(1,615)	1:A:91:LEU:HG	1:A:66:LYS:HE2	6	6.58
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE2	6	6.58
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE3	6	6.58
(1,615)	1:B:91:LEU:HG	1:A:66:LYS:HE2	6	6.58
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE2	6	6.58
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE3	6	6.58
(1,401)	1:A:75:LEU:HB2	1:A:51:ASN:HD22	9	6.58
(1,401)	1:A:75:LEU:HB2	1:B:51:ASN:HD22	9	6.58
(1,401)	1:A:75:LEU:HB3	1:A:51:ASN:HD22	9	6.58
(1,401)	1:A:75:LEU:HB3	1:B:51:ASN:HD22	9	6.58
(1,401)	1:B:75:LEU:HB2	1:A:51:ASN:HD22	9	6.58
(1,401)	1:B:75:LEU:HB2	1:B:51:ASN:HD22	9	6.58
(1,401)	1:B:75:LEU:HB3	1:A:51:ASN:HD22	9	6.58
(1,401)	1:B:75:LEU:HB3	1:B:51:ASN:HD22	9	6.58
(1,327)	1:A:90:ASN:H	1:A:66:LYS:HE2	14	6.58
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE2	14	6.58
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE3	14	6.58
(1,327)	1:B:90:ASN:H	1:A:66:LYS:HE2	14	6.58
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE2	14	6.58
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE3	14	6.58
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB2	1	6.57
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB3	1	6.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB2	1	6.57
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB3	1	6.57
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB2	1	6.57
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB3	1	6.57
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB2	1	6.57
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB3	1	6.57
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB2	1	6.57
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB3	1	6.57
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB2	1	6.57
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB3	1	6.57
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB2	1	6.57
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB3	1	6.57
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB2	1	6.57
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB3	1	6.57
(1,327)	1:A:90:ASN:H	1:A:66:LYS:HE2	5	6.57
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE2	5	6.57
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE3	5	6.57
(1,327)	1:B:90:ASN:H	1:A:66:LYS:HE2	5	6.57
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE2	5	6.57
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE3	5	6.57
(1,327)	1:A:90:ASN:H	1:A:66:LYS:HE2	8	6.57
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE2	8	6.57
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE3	8	6.57
(1,327)	1:B:90:ASN:H	1:A:66:LYS:HE2	8	6.57
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE2	8	6.57
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE3	8	6.57
(1,309)	1:A:92:GLN:H	1:A:67:LYS:HD2	13	6.57
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD2	13	6.57
(1,309)	1:A:92:GLN:H	1:B:67:LYS:HD3	13	6.57
(1,309)	1:B:92:GLN:H	1:A:67:LYS:HD2	13	6.57
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD2	13	6.57
(1,309)	1:B:92:GLN:H	1:B:67:LYS:HD3	13	6.57
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB2	7	6.56
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB3	7	6.56
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB2	7	6.56
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB3	7	6.56
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB2	7	6.56
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB3	7	6.56
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB2	7	6.56
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB3	7	6.56
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB2	7	6.56
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB3	7	6.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB2	7	6.56
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB3	7	6.56
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB2	7	6.56
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB3	7	6.56
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB2	7	6.56
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB3	7	6.56
(1,557)	1:A:89:ARG:HA	1:A:66:LYS:HE2	16	6.56
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE2	16	6.56
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE3	16	6.56
(1,557)	1:B:89:ARG:HA	1:A:66:LYS:HE2	16	6.56
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE2	16	6.56
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE3	16	6.56
(1,840)	1:A:87:HIS:HD1	1:A:72:HIS:HA	6	6.55
(1,840)	1:A:87:HIS:HD1	1:B:72:HIS:HA	6	6.55
(1,840)	1:A:87:HIS:HD2	1:A:72:HIS:HA	6	6.55
(1,840)	1:A:87:HIS:HD2	1:B:72:HIS:HA	6	6.55
(1,840)	1:B:87:HIS:HD1	1:A:72:HIS:HA	6	6.55
(1,840)	1:B:87:HIS:HD1	1:B:72:HIS:HA	6	6.55
(1,840)	1:B:87:HIS:HD2	1:A:72:HIS:HA	6	6.55
(1,840)	1:B:87:HIS:HD2	1:B:72:HIS:HA	6	6.55
(1,615)	1:A:91:LEU:HG	1:A:66:LYS:HE2	13	6.55
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE2	13	6.55
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE3	13	6.55
(1,615)	1:B:91:LEU:HG	1:A:66:LYS:HE2	13	6.55
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE2	13	6.55
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE3	13	6.55
(1,536)	1:A:89:ARG:H	1:A:66:LYS:HE2	6	6.55
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE2	6	6.55
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE3	6	6.55
(1,536)	1:B:89:ARG:H	1:A:66:LYS:HE2	6	6.55
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE2	6	6.55
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE3	6	6.55
(1,401)	1:A:75:LEU:HB2	1:A:51:ASN:HD22	16	6.55
(1,401)	1:A:75:LEU:HB2	1:B:51:ASN:HD22	16	6.55
(1,401)	1:A:75:LEU:HB3	1:A:51:ASN:HD22	16	6.55
(1,401)	1:A:75:LEU:HB3	1:B:51:ASN:HD22	16	6.55
(1,401)	1:B:75:LEU:HB2	1:A:51:ASN:HD22	16	6.55
(1,401)	1:B:75:LEU:HB2	1:B:51:ASN:HD22	16	6.55
(1,401)	1:B:75:LEU:HB3	1:A:51:ASN:HD22	16	6.55
(1,401)	1:B:75:LEU:HB3	1:B:51:ASN:HD22	16	6.55
(1,536)	1:A:89:ARG:H	1:A:66:LYS:HE2	13	6.54
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE2	13	6.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE3	13	6.54
(1,536)	1:B:89:ARG:H	1:A:66:LYS:HE2	13	6.54
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE2	13	6.54
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE3	13	6.54
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB2	10	6.53
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB3	10	6.53
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB2	10	6.53
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB3	10	6.53
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB2	10	6.53
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB3	10	6.53
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB2	10	6.53
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB3	10	6.53
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB2	10	6.53
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB3	10	6.53
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB2	10	6.53
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB3	10	6.53
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB2	10	6.53
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB3	10	6.53
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB2	10	6.53
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB3	10	6.53
(1,401)	1:A:75:LEU:HB2	1:A:51:ASN:HD22	4	6.53
(1,401)	1:A:75:LEU:HB2	1:B:51:ASN:HD22	4	6.53
(1,401)	1:A:75:LEU:HB3	1:A:51:ASN:HD22	4	6.53
(1,401)	1:A:75:LEU:HB3	1:B:51:ASN:HD22	4	6.53
(1,401)	1:B:75:LEU:HB2	1:A:51:ASN:HD22	4	6.53
(1,401)	1:B:75:LEU:HB2	1:B:51:ASN:HD22	4	6.53
(1,401)	1:B:75:LEU:HB3	1:A:51:ASN:HD22	4	6.53
(1,401)	1:B:75:LEU:HB3	1:B:51:ASN:HD22	4	6.53
(1,401)	1:A:75:LEU:HB2	1:A:51:ASN:HD22	13	6.53
(1,401)	1:A:75:LEU:HB2	1:B:51:ASN:HD22	13	6.53
(1,401)	1:A:75:LEU:HB3	1:A:51:ASN:HD22	13	6.53
(1,401)	1:A:75:LEU:HB3	1:B:51:ASN:HD22	13	6.53
(1,401)	1:B:75:LEU:HB2	1:A:51:ASN:HD22	13	6.53
(1,401)	1:B:75:LEU:HB2	1:B:51:ASN:HD22	13	6.53
(1,401)	1:B:75:LEU:HB3	1:A:51:ASN:HD22	13	6.53
(1,401)	1:B:75:LEU:HB3	1:B:51:ASN:HD22	13	6.53
(1,327)	1:A:90:ASN:H	1:A:66:LYS:HE2	17	6.51
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE2	17	6.51
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE3	17	6.51
(1,327)	1:B:90:ASN:H	1:A:66:LYS:HE2	17	6.51
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE2	17	6.51
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE3	17	6.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,536)	1:A:89:ARG:H	1:A:66:LYS:HE2	14	6.5
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE2	14	6.5
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE3	14	6.5
(1,536)	1:B:89:ARG:H	1:A:66:LYS:HE2	14	6.5
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE2	14	6.5
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE3	14	6.5
(1,536)	1:A:89:ARG:H	1:A:66:LYS:HE2	15	6.5
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE2	15	6.5
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE3	15	6.5
(1,536)	1:B:89:ARG:H	1:A:66:LYS:HE2	15	6.5
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE2	15	6.5
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE3	15	6.5
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD2	3	6.5
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD3	3	6.5
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD2	3	6.5
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD3	3	6.5
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD2	3	6.5
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD3	3	6.5
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD2	3	6.5
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD3	3	6.5
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD2	3	6.5
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD3	3	6.5
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD2	3	6.5
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD3	3	6.5
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD2	3	6.5
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD3	3	6.5
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD2	3	6.5
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD3	3	6.5
(1,560)	1:A:91:LEU:HA	1:A:66:LYS:HE2	4	6.49
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE2	4	6.49
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE3	4	6.49
(1,560)	1:B:91:LEU:HA	1:A:66:LYS:HE2	4	6.49
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE2	4	6.49
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE3	4	6.49
(1,401)	1:A:75:LEU:HB2	1:A:51:ASN:HD22	5	6.49
(1,401)	1:A:75:LEU:HB2	1:B:51:ASN:HD22	5	6.49
(1,401)	1:A:75:LEU:HB3	1:A:51:ASN:HD22	5	6.49
(1,401)	1:A:75:LEU:HB3	1:B:51:ASN:HD22	5	6.49
(1,401)	1:B:75:LEU:HB2	1:A:51:ASN:HD22	5	6.49
(1,401)	1:B:75:LEU:HB2	1:B:51:ASN:HD22	5	6.49
(1,401)	1:B:75:LEU:HB3	1:A:51:ASN:HD22	5	6.49
(1,401)	1:B:75:LEU:HB3	1:B:51:ASN:HD22	5	6.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,925)	1:A:69:SER:H	1:A:65:LEU:O	11	6.48
(1,925)	1:A:69:SER:H	1:B:65:LEU:O	11	6.48
(1,925)	1:B:69:SER:H	1:A:65:LEU:O	11	6.48
(1,925)	1:B:69:SER:H	1:B:65:LEU:O	11	6.48
(1,536)	1:A:89:ARG:H	1:A:66:LYS:HE2	8	6.47
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE2	8	6.47
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE3	8	6.47
(1,536)	1:B:89:ARG:H	1:A:66:LYS:HE2	8	6.47
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE2	8	6.47
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE3	8	6.47
(1,755)	1:A:87:HIS:HD1	1:A:72:HIS:H	5	6.46
(1,755)	1:A:87:HIS:HD1	1:B:72:HIS:H	5	6.46
(1,755)	1:B:87:HIS:HD1	1:A:72:HIS:H	5	6.46
(1,755)	1:B:87:HIS:HD1	1:B:72:HIS:H	5	6.46
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD2	7	6.45
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD3	7	6.45
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD2	7	6.45
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD3	7	6.45
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD2	7	6.45
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD3	7	6.45
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD2	7	6.45
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD3	7	6.45
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD2	7	6.45
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD3	7	6.45
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD2	7	6.45
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD3	7	6.45
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD2	7	6.45
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD3	7	6.45
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD2	7	6.45
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD3	7	6.45
(1,354)	1:A:76:GLU:HA	1:A:51:ASN:HD21	5	6.45
(1,354)	1:A:76:GLU:HA	1:B:51:ASN:HD21	5	6.45
(1,354)	1:B:76:GLU:HA	1:A:51:ASN:HD21	5	6.45
(1,354)	1:B:76:GLU:HA	1:B:51:ASN:HD21	5	6.45
(1,354)	1:A:76:GLU:HA	1:A:51:ASN:HD21	7	6.45
(1,354)	1:A:76:GLU:HA	1:B:51:ASN:HD21	7	6.45
(1,354)	1:B:76:GLU:HA	1:A:51:ASN:HD21	7	6.45
(1,354)	1:B:76:GLU:HA	1:B:51:ASN:HD21	7	6.45
(1,557)	1:A:89:ARG:HA	1:A:66:LYS:HE2	17	6.44
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE2	17	6.44
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE3	17	6.44
(1,557)	1:B:89:ARG:HA	1:A:66:LYS:HE2	17	6.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE2	17	6.44
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE3	17	6.44
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG2	12	6.43
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG3	12	6.43
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG2	12	6.43
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG3	12	6.43
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG2	12	6.43
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG3	12	6.43
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG2	12	6.43
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG3	12	6.43
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG2	12	6.43
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG3	12	6.43
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG2	12	6.43
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG3	12	6.43
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG2	12	6.43
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG3	12	6.43
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG2	12	6.43
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG3	12	6.43
(1,537)	1:A:91:LEU:H	1:A:66:LYS:HE2	6	6.43
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE2	6	6.43
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE3	6	6.43
(1,537)	1:B:91:LEU:H	1:A:66:LYS:HE2	6	6.43
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE2	6	6.43
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE3	6	6.43
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD2	16	6.43
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD3	16	6.43
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD2	16	6.43
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD3	16	6.43
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD2	16	6.43
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD3	16	6.43
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD2	16	6.43
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD3	16	6.43
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD2	16	6.43
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD3	16	6.43
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD2	16	6.43
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD3	16	6.43
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD2	16	6.43
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD3	16	6.43
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD2	16	6.43
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD3	16	6.43
(1,354)	1:A:76:GLU:HA	1:A:51:ASN:HD21	18	6.43
(1,354)	1:A:76:GLU:HA	1:B:51:ASN:HD21	18	6.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:B:76:GLU:HA	1:A:51:ASN:HD21	18	6.43
(1,354)	1:B:76:GLU:HA	1:B:51:ASN:HD21	18	6.43
(1,840)	1:A:87:HIS:HD1	1:A:72:HIS:HA	15	6.42
(1,840)	1:A:87:HIS:HD1	1:B:72:HIS:HA	15	6.42
(1,840)	1:A:87:HIS:HD2	1:A:72:HIS:HA	15	6.42
(1,840)	1:A:87:HIS:HD2	1:B:72:HIS:HA	15	6.42
(1,840)	1:B:87:HIS:HD1	1:A:72:HIS:HA	15	6.42
(1,840)	1:B:87:HIS:HD1	1:B:72:HIS:HA	15	6.42
(1,840)	1:B:87:HIS:HD2	1:A:72:HIS:HA	15	6.42
(1,840)	1:B:87:HIS:HD2	1:B:72:HIS:HA	15	6.42
(1,354)	1:A:76:GLU:HA	1:A:51:ASN:HD21	1	6.42
(1,354)	1:A:76:GLU:HA	1:B:51:ASN:HD21	1	6.42
(1,354)	1:B:76:GLU:HA	1:A:51:ASN:HD21	1	6.42
(1,354)	1:B:76:GLU:HA	1:B:51:ASN:HD21	1	6.42
(1,354)	1:A:76:GLU:HA	1:A:51:ASN:HD21	15	6.42
(1,354)	1:A:76:GLU:HA	1:B:51:ASN:HD21	15	6.42
(1,354)	1:B:76:GLU:HA	1:A:51:ASN:HD21	15	6.42
(1,354)	1:B:76:GLU:HA	1:B:51:ASN:HD21	15	6.42
(1,925)	1:A:69:SER:H	1:A:65:LEU:O	14	6.41
(1,925)	1:A:69:SER:H	1:B:65:LEU:O	14	6.41
(1,925)	1:B:69:SER:H	1:A:65:LEU:O	14	6.41
(1,925)	1:B:69:SER:H	1:B:65:LEU:O	14	6.41
(1,925)	1:A:69:SER:H	1:A:65:LEU:O	20	6.4
(1,925)	1:A:69:SER:H	1:B:65:LEU:O	20	6.4
(1,925)	1:B:69:SER:H	1:A:65:LEU:O	20	6.4
(1,925)	1:B:69:SER:H	1:B:65:LEU:O	20	6.4
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD2	18	6.4
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD3	18	6.4
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD2	18	6.4
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD3	18	6.4
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD2	18	6.4
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD3	18	6.4
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD2	18	6.4
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD3	18	6.4
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD2	18	6.4
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD3	18	6.4
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD2	18	6.4
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD3	18	6.4
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD2	18	6.4
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD3	18	6.4
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD2	18	6.4
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD3	18	6.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:A:89:ARG:HA	1:A:66:LYS:HE2	5	6.39
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE2	5	6.39
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE3	5	6.39
(1,557)	1:B:89:ARG:HA	1:A:66:LYS:HE2	5	6.39
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE2	5	6.39
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE3	5	6.39
(1,537)	1:A:91:LEU:H	1:A:66:LYS:HE2	13	6.39
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE2	13	6.39
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE3	13	6.39
(1,537)	1:B:91:LEU:H	1:A:66:LYS:HE2	13	6.39
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE2	13	6.39
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE3	13	6.39
(1,399)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	5	6.39
(1,399)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	5	6.39
(1,399)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	5	6.39
(1,399)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	5	6.39
(1,354)	1:A:76:GLU:HA	1:A:51:ASN:HD21	12	6.39
(1,354)	1:A:76:GLU:HA	1:B:51:ASN:HD21	12	6.39
(1,354)	1:B:76:GLU:HA	1:A:51:ASN:HD21	12	6.39
(1,354)	1:B:76:GLU:HA	1:B:51:ASN:HD21	12	6.39
(1,925)	1:A:69:SER:H	1:A:65:LEU:O	16	6.38
(1,925)	1:A:69:SER:H	1:B:65:LEU:O	16	6.38
(1,925)	1:B:69:SER:H	1:A:65:LEU:O	16	6.38
(1,925)	1:B:69:SER:H	1:B:65:LEU:O	16	6.38
(1,615)	1:A:91:LEU:HG	1:A:66:LYS:HE2	11	6.38
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE2	11	6.38
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE3	11	6.38
(1,615)	1:B:91:LEU:HG	1:A:66:LYS:HE2	11	6.38
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE2	11	6.38
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE3	11	6.38
(1,840)	1:A:87:HIS:HD1	1:A:72:HIS:HA	2	6.37
(1,840)	1:A:87:HIS:HD1	1:B:72:HIS:HA	2	6.37
(1,840)	1:A:87:HIS:HD2	1:A:72:HIS:HA	2	6.37
(1,840)	1:A:87:HIS:HD2	1:B:72:HIS:HA	2	6.37
(1,840)	1:B:87:HIS:HD1	1:A:72:HIS:HA	2	6.37
(1,840)	1:B:87:HIS:HD1	1:B:72:HIS:HA	2	6.37
(1,840)	1:B:87:HIS:HD2	1:A:72:HIS:HA	2	6.37
(1,840)	1:B:87:HIS:HD2	1:B:72:HIS:HA	2	6.37
(1,327)	1:A:90:ASN:H	1:A:66:LYS:HE2	12	6.37
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE2	12	6.37
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE3	12	6.37
(1,327)	1:B:90:ASN:H	1:A:66:LYS:HE2	12	6.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE2	12	6.37
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE3	12	6.37
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB2	4	6.36
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB3	4	6.36
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB2	4	6.36
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB3	4	6.36
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB2	4	6.36
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB3	4	6.36
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB2	4	6.36
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB3	4	6.36
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB2	4	6.36
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB3	4	6.36
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB2	4	6.36
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB3	4	6.36
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB2	4	6.36
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB3	4	6.36
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB2	4	6.36
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB3	4	6.36
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB2	18	6.36
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB3	18	6.36
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB2	18	6.36
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB3	18	6.36
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB2	18	6.36
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB3	18	6.36
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB2	18	6.36
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB3	18	6.36
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB2	18	6.36
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB3	18	6.36
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB2	18	6.36
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB3	18	6.36
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB2	18	6.36
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB3	18	6.36
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB2	18	6.36
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB3	18	6.36
(1,546)	1:A:88:LEU:HA	1:A:66:LYS:HE2	4	6.36
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE2	4	6.36
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE3	4	6.36
(1,546)	1:B:88:LEU:HA	1:A:66:LYS:HE2	4	6.36
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE2	4	6.36
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE3	4	6.36
(1,536)	1:A:89:ARG:H	1:A:66:LYS:HE2	3	6.36
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE2	3	6.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE3	3	6.36
(1,536)	1:B:89:ARG:H	1:A:66:LYS:HE2	3	6.36
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE2	3	6.36
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE3	3	6.36
(1,536)	1:A:89:ARG:H	1:A:66:LYS:HE2	12	6.36
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE2	12	6.36
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE3	12	6.36
(1,536)	1:B:89:ARG:H	1:A:66:LYS:HE2	12	6.36
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE2	12	6.36
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE3	12	6.36
(1,925)	1:A:69:SER:H	1:A:65:LEU:O	13	6.35
(1,925)	1:A:69:SER:H	1:B:65:LEU:O	13	6.35
(1,925)	1:B:69:SER:H	1:A:65:LEU:O	13	6.35
(1,925)	1:B:69:SER:H	1:B:65:LEU:O	13	6.35
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB2	8	6.34
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB3	8	6.34
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB2	8	6.34
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB3	8	6.34
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB2	8	6.34
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB3	8	6.34
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB2	8	6.34
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB3	8	6.34
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB2	8	6.34
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB3	8	6.34
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB2	8	6.34
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB3	8	6.34
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB2	8	6.34
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB3	8	6.34
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB2	8	6.34
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB3	8	6.34
(1,615)	1:A:91:LEU:HG	1:A:66:LYS:HE2	10	6.34
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE2	10	6.34
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE3	10	6.34
(1,615)	1:B:91:LEU:HG	1:A:66:LYS:HE2	10	6.34
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE2	10	6.34
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE3	10	6.34
(1,557)	1:A:89:ARG:HA	1:A:66:LYS:HE2	6	6.34
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE2	6	6.34
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE3	6	6.34
(1,557)	1:B:89:ARG:HA	1:A:66:LYS:HE2	6	6.34
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE2	6	6.34
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE3	6	6.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:A:76:GLU:HA	1:A:51:ASN:HD21	17	6.34
(1,354)	1:A:76:GLU:HA	1:B:51:ASN:HD21	17	6.34
(1,354)	1:B:76:GLU:HA	1:A:51:ASN:HD21	17	6.34
(1,354)	1:B:76:GLU:HA	1:B:51:ASN:HD21	17	6.34
(1,327)	1:A:90:ASN:H	1:A:66:LYS:HE2	3	6.34
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE2	3	6.34
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE3	3	6.34
(1,327)	1:B:90:ASN:H	1:A:66:LYS:HE2	3	6.34
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE2	3	6.34
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE3	3	6.34
(1,557)	1:A:89:ARG:HA	1:A:66:LYS:HE2	15	6.33
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE2	15	6.33
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE3	15	6.33
(1,557)	1:B:89:ARG:HA	1:A:66:LYS:HE2	15	6.33
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE2	15	6.33
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE3	15	6.33
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD2	8	6.33
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD3	8	6.33
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD2	8	6.33
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD3	8	6.33
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD2	8	6.33
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD3	8	6.33
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD2	8	6.33
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD3	8	6.33
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD2	8	6.33
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD3	8	6.33
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD2	8	6.33
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD3	8	6.33
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD2	8	6.33
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD3	8	6.33
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD2	8	6.33
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD3	8	6.33
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD2	10	6.33
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD3	10	6.33
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD2	10	6.33
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD3	10	6.33
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD2	10	6.33
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD3	10	6.33
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD2	10	6.33
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD3	10	6.33
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD2	10	6.33
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD3	10	6.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD2	10	6.33
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD3	10	6.33
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD2	10	6.33
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD3	10	6.33
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD2	10	6.33
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD3	10	6.33
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD2	14	6.33
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD3	14	6.33
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD2	14	6.33
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD3	14	6.33
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD2	14	6.33
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD3	14	6.33
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD2	14	6.33
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD3	14	6.33
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD2	14	6.33
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD3	14	6.33
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD2	14	6.33
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD3	14	6.33
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD2	14	6.33
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD3	14	6.33
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD2	14	6.33
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD3	14	6.33
(1,557)	1:A:89:ARG:HA	1:A:66:LYS:HE2	11	6.32
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE2	11	6.32
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE3	11	6.32
(1,557)	1:B:89:ARG:HA	1:A:66:LYS:HE2	11	6.32
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE2	11	6.32
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE3	11	6.32
(1,354)	1:A:76:GLU:HA	1:A:51:ASN:HD21	6	6.31
(1,354)	1:A:76:GLU:HA	1:B:51:ASN:HD21	6	6.31
(1,354)	1:B:76:GLU:HA	1:A:51:ASN:HD21	6	6.31
(1,354)	1:B:76:GLU:HA	1:B:51:ASN:HD21	6	6.31
(1,925)	1:A:69:SER:H	1:A:65:LEU:O	19	6.3
(1,925)	1:A:69:SER:H	1:B:65:LEU:O	19	6.3
(1,925)	1:B:69:SER:H	1:A:65:LEU:O	19	6.3
(1,925)	1:B:69:SER:H	1:B:65:LEU:O	19	6.3
(1,615)	1:A:91:LEU:HG	1:A:66:LYS:HE2	4	6.29
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE2	4	6.29
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE3	4	6.29
(1,615)	1:B:91:LEU:HG	1:A:66:LYS:HE2	4	6.29
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE2	4	6.29
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE3	4	6.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:A:87:HIS:HD1	1:A:72:HIS:HA	1	6.28
(1,840)	1:A:87:HIS:HD1	1:B:72:HIS:HA	1	6.28
(1,840)	1:A:87:HIS:HD2	1:A:72:HIS:HA	1	6.28
(1,840)	1:A:87:HIS:HD2	1:B:72:HIS:HA	1	6.28
(1,840)	1:B:87:HIS:HD1	1:A:72:HIS:HA	1	6.28
(1,840)	1:B:87:HIS:HD1	1:B:72:HIS:HA	1	6.28
(1,840)	1:B:87:HIS:HD2	1:A:72:HIS:HA	1	6.28
(1,840)	1:B:87:HIS:HD2	1:B:72:HIS:HA	1	6.28
(1,537)	1:A:91:LEU:H	1:A:66:LYS:HE2	10	6.28
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE2	10	6.28
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE3	10	6.28
(1,537)	1:B:91:LEU:H	1:A:66:LYS:HE2	10	6.28
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE2	10	6.28
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE3	10	6.28
(1,560)	1:A:91:LEU:HA	1:A:66:LYS:HE2	14	6.27
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE2	14	6.27
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE3	14	6.27
(1,560)	1:B:91:LEU:HA	1:A:66:LYS:HE2	14	6.27
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE2	14	6.27
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE3	14	6.27
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD2	11	6.27
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD3	11	6.27
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD2	11	6.27
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD3	11	6.27
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD2	11	6.27
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD3	11	6.27
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD2	11	6.27
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD3	11	6.27
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD2	11	6.27
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD3	11	6.27
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD2	11	6.27
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD3	11	6.27
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD2	11	6.27
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD3	11	6.27
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD2	11	6.27
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD3	11	6.27
(1,327)	1:A:90:ASN:H	1:A:66:LYS:HE2	15	6.27
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE2	15	6.27
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE3	15	6.27
(1,327)	1:B:90:ASN:H	1:A:66:LYS:HE2	15	6.27
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE2	15	6.27
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE3	15	6.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:A:76:GLU:HB2	1:A:51:ASN:HD21	2	6.27
(1,216)	1:A:76:GLU:HB2	1:B:51:ASN:HD21	2	6.27
(1,216)	1:A:76:GLU:HB3	1:A:51:ASN:HD21	2	6.27
(1,216)	1:A:76:GLU:HB3	1:B:51:ASN:HD21	2	6.27
(1,216)	1:B:76:GLU:HB2	1:A:51:ASN:HD21	2	6.27
(1,216)	1:B:76:GLU:HB2	1:B:51:ASN:HD21	2	6.27
(1,216)	1:B:76:GLU:HB3	1:A:51:ASN:HD21	2	6.27
(1,216)	1:B:76:GLU:HB3	1:B:51:ASN:HD21	2	6.27
(1,925)	1:A:69:SER:H	1:A:65:LEU:O	3	6.26
(1,925)	1:A:69:SER:H	1:B:65:LEU:O	3	6.26
(1,925)	1:B:69:SER:H	1:A:65:LEU:O	3	6.26
(1,925)	1:B:69:SER:H	1:B:65:LEU:O	3	6.26
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB2	17	6.26
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB3	17	6.26
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB2	17	6.26
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB3	17	6.26
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB2	17	6.26
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB3	17	6.26
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB2	17	6.26
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB3	17	6.26
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB2	17	6.26
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB3	17	6.26
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB2	17	6.26
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB3	17	6.26
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB2	17	6.26
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB3	17	6.26
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB2	17	6.26
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB3	17	6.26
(1,560)	1:A:91:LEU:HA	1:A:66:LYS:HE2	16	6.26
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE2	16	6.26
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE3	16	6.26
(1,560)	1:B:91:LEU:HA	1:A:66:LYS:HE2	16	6.26
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE2	16	6.26
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE3	16	6.26
(1,537)	1:A:91:LEU:H	1:A:66:LYS:HE2	4	6.26
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE2	4	6.26
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE3	4	6.26
(1,537)	1:B:91:LEU:H	1:A:66:LYS:HE2	4	6.26
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE2	4	6.26
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE3	4	6.26
(1,537)	1:A:91:LEU:H	1:A:66:LYS:HE2	11	6.26
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE2	11	6.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE3	11	6.26
(1,537)	1:B:91:LEU:H	1:A:66:LYS:HE2	11	6.26
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE2	11	6.26
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE3	11	6.26
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB2	11	6.25
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB3	11	6.25
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB2	11	6.25
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB3	11	6.25
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB2	11	6.25
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB3	11	6.25
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB2	11	6.25
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB3	11	6.25
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB2	11	6.25
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB3	11	6.25
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB2	11	6.25
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB3	11	6.25
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB2	11	6.25
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB3	11	6.25
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB2	11	6.25
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB3	11	6.25
(1,327)	1:A:90:ASN:H	1:A:66:LYS:HE2	20	6.25
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE2	20	6.25
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE3	20	6.25
(1,327)	1:B:90:ASN:H	1:A:66:LYS:HE2	20	6.25
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE2	20	6.25
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE3	20	6.25
(1,557)	1:A:89:ARG:HA	1:A:66:LYS:HE2	9	6.24
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE2	9	6.24
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE3	9	6.24
(1,557)	1:B:89:ARG:HA	1:A:66:LYS:HE2	9	6.24
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE2	9	6.24
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE3	9	6.24
(1,536)	1:A:89:ARG:H	1:A:66:LYS:HE2	7	6.24
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE2	7	6.24
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE3	7	6.24
(1,536)	1:B:89:ARG:H	1:A:66:LYS:HE2	7	6.24
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE2	7	6.24
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE3	7	6.24
(1,399)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	1	6.24
(1,399)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	1	6.24
(1,399)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	1	6.24
(1,399)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	1	6.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:A:87:HIS:HD1	1:A:72:HIS:HA	9	6.23
(1,840)	1:A:87:HIS:HD1	1:B:72:HIS:HA	9	6.23
(1,840)	1:A:87:HIS:HD2	1:A:72:HIS:HA	9	6.23
(1,840)	1:A:87:HIS:HD2	1:B:72:HIS:HA	9	6.23
(1,840)	1:B:87:HIS:HD1	1:A:72:HIS:HA	9	6.23
(1,840)	1:B:87:HIS:HD1	1:B:72:HIS:HA	9	6.23
(1,840)	1:B:87:HIS:HD2	1:A:72:HIS:HA	9	6.23
(1,840)	1:B:87:HIS:HD2	1:B:72:HIS:HA	9	6.23
(1,725)	1:A:75:LEU:HA	1:A:50:ILE:HG21	8	6.23
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG21	8	6.23
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG22	8	6.23
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG23	8	6.23
(1,725)	1:B:75:LEU:HA	1:A:50:ILE:HG21	8	6.23
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG21	8	6.23
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG22	8	6.23
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG23	8	6.23
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG2	20	6.22
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG3	20	6.22
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG2	20	6.22
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG3	20	6.22
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG2	20	6.22
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG3	20	6.22
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG2	20	6.22
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG3	20	6.22
(1,557)	1:A:89:ARG:HA	1:A:66:LYS:HE2	14	6.22
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE2	14	6.22
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE3	14	6.22
(1,557)	1:B:89:ARG:HA	1:A:66:LYS:HE2	14	6.22
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE2	14	6.22
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE3	14	6.22
(1,354)	1:A:76:GLU:HA	1:A:51:ASN:HD21	14	6.22
(1,354)	1:A:76:GLU:HA	1:B:51:ASN:HD21	14	6.22
(1,354)	1:B:76:GLU:HA	1:A:51:ASN:HD21	14	6.22
(1,354)	1:B:76:GLU:HA	1:B:51:ASN:HD21	14	6.22
(1,399)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	18	6.21
(1,399)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	18	6.21
(1,399)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	18	6.21
(1,399)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	18	6.21
(1,725)	1:A:75:LEU:HA	1:A:50:ILE:HG21	6	6.2
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG21	6	6.2
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG22	6	6.2
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG23	6	6.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:B:75:LEU:HA	1:A:50:ILE:HG21	6	6.2
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG21	6	6.2
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG22	6	6.2
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG23	6	6.2
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG2	9	6.2
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG3	9	6.2
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG2	9	6.2
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG3	9	6.2
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG2	9	6.2
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG3	9	6.2
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG2	9	6.2
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG3	9	6.2
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG2	9	6.2
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG3	9	6.2
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG2	9	6.2
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG3	9	6.2
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG2	9	6.2
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG3	9	6.2
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG2	9	6.2
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG3	9	6.2
(1,560)	1:A:91:LEU:HA	1:A:66:LYS:HE2	8	6.2
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE2	8	6.2
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE3	8	6.2
(1,560)	1:B:91:LEU:HA	1:A:66:LYS:HE2	8	6.2
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE2	8	6.2
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE3	8	6.2
(1,536)	1:A:89:ARG:H	1:A:66:LYS:HE2	18	6.2
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE2	18	6.2
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE3	18	6.2
(1,536)	1:B:89:ARG:H	1:A:66:LYS:HE2	18	6.2
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE2	18	6.2
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE3	18	6.2
(1,401)	1:A:75:LEU:HB2	1:A:51:ASN:HD22	10	6.2
(1,401)	1:A:75:LEU:HB2	1:B:51:ASN:HD22	10	6.2
(1,401)	1:A:75:LEU:HB3	1:A:51:ASN:HD22	10	6.2
(1,401)	1:A:75:LEU:HB3	1:B:51:ASN:HD22	10	6.2
(1,401)	1:B:75:LEU:HB2	1:A:51:ASN:HD22	10	6.2
(1,401)	1:B:75:LEU:HB2	1:B:51:ASN:HD22	10	6.2
(1,401)	1:B:75:LEU:HB3	1:A:51:ASN:HD22	10	6.2
(1,401)	1:B:75:LEU:HB3	1:B:51:ASN:HD22	10	6.2
(1,327)	1:A:90:ASN:H	1:A:66:LYS:HE2	7	6.2
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE2	7	6.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE3	7	6.2
(1,327)	1:B:90:ASN:H	1:A:66:LYS:HE2	7	6.2
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE2	7	6.2
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE3	7	6.2
(1,925)	1:A:69:SER:H	1:A:65:LEU:O	2	6.19
(1,925)	1:A:69:SER:H	1:B:65:LEU:O	2	6.19
(1,925)	1:B:69:SER:H	1:A:65:LEU:O	2	6.19
(1,925)	1:B:69:SER:H	1:B:65:LEU:O	2	6.19
(1,925)	1:A:69:SER:H	1:A:65:LEU:O	4	6.19
(1,925)	1:A:69:SER:H	1:B:65:LEU:O	4	6.19
(1,925)	1:B:69:SER:H	1:A:65:LEU:O	4	6.19
(1,925)	1:B:69:SER:H	1:B:65:LEU:O	4	6.19
(1,615)	1:A:91:LEU:HG	1:A:66:LYS:HE2	14	6.19
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE2	14	6.19
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE3	14	6.19
(1,615)	1:B:91:LEU:HG	1:A:66:LYS:HE2	14	6.19
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE2	14	6.19
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE3	14	6.19
(1,546)	1:A:88:LEU:HA	1:A:66:LYS:HE2	16	6.19
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE2	16	6.19
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE3	16	6.19
(1,546)	1:B:88:LEU:HA	1:A:66:LYS:HE2	16	6.19
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE2	16	6.19
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE3	16	6.19
(1,327)	1:A:90:ASN:H	1:A:66:LYS:HE2	2	6.19
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE2	2	6.19
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE3	2	6.19
(1,327)	1:B:90:ASN:H	1:A:66:LYS:HE2	2	6.19
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE2	2	6.19
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE3	2	6.19
(1,925)	1:A:69:SER:H	1:A:65:LEU:O	18	6.18
(1,925)	1:A:69:SER:H	1:B:65:LEU:O	18	6.18
(1,925)	1:B:69:SER:H	1:A:65:LEU:O	18	6.18
(1,925)	1:B:69:SER:H	1:B:65:LEU:O	18	6.18
(1,557)	1:A:89:ARG:HA	1:A:66:LYS:HE2	13	6.18
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE2	13	6.18
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE3	13	6.18
(1,557)	1:B:89:ARG:HA	1:A:66:LYS:HE2	13	6.18
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE2	13	6.18
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE3	13	6.18
(1,399)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	7	6.18
(1,399)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	7	6.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	7	6.18
(1,399)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	7	6.18
(1,354)	1:A:76:GLU:HA	1:A:51:ASN:HD21	8	6.18
(1,354)	1:A:76:GLU:HA	1:B:51:ASN:HD21	8	6.18
(1,354)	1:B:76:GLU:HA	1:A:51:ASN:HD21	8	6.18
(1,354)	1:B:76:GLU:HA	1:B:51:ASN:HD21	8	6.18
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB2	6	6.17
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB3	6	6.17
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB2	6	6.17
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB3	6	6.17
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB2	6	6.17
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB3	6	6.17
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB2	6	6.17
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB3	6	6.17
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB2	6	6.17
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB3	6	6.17
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB2	6	6.17
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB3	6	6.17
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB2	6	6.17
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB3	6	6.17
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB2	6	6.17
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB3	6	6.17
(1,615)	1:A:91:LEU:HG	1:A:66:LYS:HE2	8	6.17
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE2	8	6.17
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE3	8	6.17
(1,615)	1:B:91:LEU:HG	1:A:66:LYS:HE2	8	6.17
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE2	8	6.17
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE3	8	6.17
(1,925)	1:A:69:SER:H	1:A:65:LEU:O	9	6.16
(1,925)	1:A:69:SER:H	1:B:65:LEU:O	9	6.16
(1,925)	1:B:69:SER:H	1:A:65:LEU:O	9	6.16
(1,925)	1:B:69:SER:H	1:B:65:LEU:O	9	6.16
(1,840)	1:A:87:HIS:HD1	1:A:72:HIS:HA	8	6.16
(1,840)	1:A:87:HIS:HD1	1:B:72:HIS:HA	8	6.16
(1,840)	1:A:87:HIS:HD2	1:A:72:HIS:HA	8	6.16
(1,840)	1:A:87:HIS:HD2	1:B:72:HIS:HA	8	6.16
(1,840)	1:B:87:HIS:HD1	1:A:72:HIS:HA	8	6.16
(1,840)	1:B:87:HIS:HD1	1:B:72:HIS:HA	8	6.16
(1,840)	1:B:87:HIS:HD2	1:A:72:HIS:HA	8	6.16
(1,840)	1:B:87:HIS:HD2	1:B:72:HIS:HA	8	6.16
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE21	15	6.16
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE22	15	6.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE21	15	6.16
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE22	15	6.16
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE21	15	6.16
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE22	15	6.16
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE21	15	6.16
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE22	15	6.16
(1,354)	1:A:76:GLU:HA	1:A:51:ASN:HD21	4	6.16
(1,354)	1:A:76:GLU:HA	1:B:51:ASN:HD21	4	6.16
(1,354)	1:B:76:GLU:HA	1:A:51:ASN:HD21	4	6.16
(1,354)	1:B:76:GLU:HA	1:B:51:ASN:HD21	4	6.16
(1,354)	1:A:76:GLU:HA	1:A:51:ASN:HD21	20	6.16
(1,354)	1:A:76:GLU:HA	1:B:51:ASN:HD21	20	6.16
(1,354)	1:B:76:GLU:HA	1:A:51:ASN:HD21	20	6.16
(1,354)	1:B:76:GLU:HA	1:B:51:ASN:HD21	20	6.16
(1,725)	1:A:75:LEU:HA	1:A:50:ILE:HG21	20	6.15
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG21	20	6.15
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG22	20	6.15
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG23	20	6.15
(1,725)	1:B:75:LEU:HA	1:A:50:ILE:HG21	20	6.15
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG21	20	6.15
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG22	20	6.15
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG23	20	6.15
(1,546)	1:A:88:LEU:HA	1:A:66:LYS:HE2	6	6.15
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE2	6	6.15
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE3	6	6.15
(1,546)	1:B:88:LEU:HA	1:A:66:LYS:HE2	6	6.15
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE2	6	6.15
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE3	6	6.15
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD2	20	6.15
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD3	20	6.15
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD2	20	6.15
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD3	20	6.15
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD2	20	6.15
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD3	20	6.15
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD2	20	6.15
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD3	20	6.15
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD2	20	6.15
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD3	20	6.15
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD2	20	6.15
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD3	20	6.15
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD2	20	6.15
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD3	20	6.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD2	20	6.15
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD3	20	6.15
(1,327)	1:A:90:ASN:H	1:A:66:LYS:HE2	18	6.15
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE2	18	6.15
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE3	18	6.15
(1,327)	1:B:90:ASN:H	1:A:66:LYS:HE2	18	6.15
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE2	18	6.15
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE3	18	6.15
(1,840)	1:A:87:HIS:HD1	1:A:72:HIS:HA	7	6.14
(1,840)	1:A:87:HIS:HD1	1:B:72:HIS:HA	7	6.14
(1,840)	1:A:87:HIS:HD2	1:A:72:HIS:HA	7	6.14
(1,840)	1:A:87:HIS:HD2	1:B:72:HIS:HA	7	6.14
(1,840)	1:B:87:HIS:HD1	1:A:72:HIS:HA	7	6.14
(1,840)	1:B:87:HIS:HD1	1:B:72:HIS:HA	7	6.14
(1,840)	1:B:87:HIS:HD2	1:A:72:HIS:HA	7	6.14
(1,840)	1:B:87:HIS:HD2	1:B:72:HIS:HA	7	6.14
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE21	8	6.14
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE22	8	6.14
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE21	8	6.14
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE22	8	6.14
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE21	8	6.14
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE22	8	6.14
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE21	8	6.14
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE22	8	6.14
(1,399)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	14	6.14
(1,399)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	14	6.14
(1,399)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	14	6.14
(1,399)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	14	6.14
(1,925)	1:A:69:SER:H	1:A:65:LEU:O	12	6.13
(1,925)	1:A:69:SER:H	1:B:65:LEU:O	12	6.13
(1,925)	1:B:69:SER:H	1:A:65:LEU:O	12	6.13
(1,925)	1:B:69:SER:H	1:B:65:LEU:O	12	6.13
(1,615)	1:A:91:LEU:HG	1:A:66:LYS:HE2	16	6.13
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE2	16	6.13
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE3	16	6.13
(1,615)	1:B:91:LEU:HG	1:A:66:LYS:HE2	16	6.13
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE2	16	6.13
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE3	16	6.13
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB2	12	6.12
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB3	12	6.12
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB2	12	6.12
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB3	12	6.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB2	12	6.12
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB3	12	6.12
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB2	12	6.12
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB3	12	6.12
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB2	12	6.12
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB3	12	6.12
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB2	12	6.12
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB3	12	6.12
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB2	12	6.12
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB3	12	6.12
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB2	12	6.12
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB3	12	6.12
(1,840)	1:A:87:HIS:HD1	1:A:72:HIS:HA	17	6.12
(1,840)	1:A:87:HIS:HD1	1:B:72:HIS:HA	17	6.12
(1,840)	1:A:87:HIS:HD2	1:A:72:HIS:HA	17	6.12
(1,840)	1:A:87:HIS:HD2	1:B:72:HIS:HA	17	6.12
(1,840)	1:B:87:HIS:HD1	1:A:72:HIS:HA	17	6.12
(1,840)	1:B:87:HIS:HD1	1:B:72:HIS:HA	17	6.12
(1,840)	1:B:87:HIS:HD2	1:A:72:HIS:HA	17	6.12
(1,840)	1:B:87:HIS:HD2	1:B:72:HIS:HA	17	6.12
(1,725)	1:A:75:LEU:HA	1:A:50:ILE:HG21	18	6.12
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG21	18	6.12
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG22	18	6.12
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG23	18	6.12
(1,725)	1:B:75:LEU:HA	1:A:50:ILE:HG21	18	6.12
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG21	18	6.12
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG22	18	6.12
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG23	18	6.12
(1,546)	1:A:88:LEU:HA	1:A:66:LYS:HE2	13	6.12
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE2	13	6.12
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE3	13	6.12
(1,546)	1:B:88:LEU:HA	1:A:66:LYS:HE2	13	6.12
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE2	13	6.12
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE3	13	6.12
(1,536)	1:A:89:ARG:H	1:A:66:LYS:HE2	20	6.12
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE2	20	6.12
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE3	20	6.12
(1,536)	1:B:89:ARG:H	1:A:66:LYS:HE2	20	6.12
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE2	20	6.12
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE3	20	6.12
(1,536)	1:A:89:ARG:H	1:A:66:LYS:HE2	2	6.11
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE2	2	6.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE3	2	6.11
(1,536)	1:B:89:ARG:H	1:A:66:LYS:HE2	2	6.11
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE2	2	6.11
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE3	2	6.11
(1,925)	1:A:69:SER:H	1:A:65:LEU:O	6	6.1
(1,925)	1:A:69:SER:H	1:B:65:LEU:O	6	6.1
(1,925)	1:B:69:SER:H	1:A:65:LEU:O	6	6.1
(1,925)	1:B:69:SER:H	1:B:65:LEU:O	6	6.1
(1,354)	1:A:76:GLU:HA	1:A:51:ASN:HD21	19	6.09
(1,354)	1:A:76:GLU:HA	1:B:51:ASN:HD21	19	6.09
(1,354)	1:B:76:GLU:HA	1:A:51:ASN:HD21	19	6.09
(1,354)	1:B:76:GLU:HA	1:B:51:ASN:HD21	19	6.09
(1,228)	1:A:76:GLU:HB2	1:A:51:ASN:HD22	5	6.09
(1,228)	1:A:76:GLU:HB2	1:B:51:ASN:HD22	5	6.09
(1,228)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	5	6.09
(1,228)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	5	6.09
(1,228)	1:B:76:GLU:HB2	1:A:51:ASN:HD22	5	6.09
(1,228)	1:B:76:GLU:HB2	1:B:51:ASN:HD22	5	6.09
(1,228)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	5	6.09
(1,228)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	5	6.09
(1,560)	1:A:91:LEU:HA	1:A:66:LYS:HE2	17	6.08
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE2	17	6.08
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE3	17	6.08
(1,560)	1:B:91:LEU:HA	1:A:66:LYS:HE2	17	6.08
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE2	17	6.08
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE3	17	6.08
(1,503)	1:A:65:LEU:HA	1:A:69:SER:H	14	6.08
(1,503)	1:A:65:LEU:HA	1:B:69:SER:H	14	6.08
(1,503)	1:B:65:LEU:HA	1:A:69:SER:H	14	6.08
(1,503)	1:B:65:LEU:HA	1:B:69:SER:H	14	6.08
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD2	13	6.08
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD3	13	6.08
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD2	13	6.08
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD3	13	6.08
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD2	13	6.08
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD3	13	6.08
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD2	13	6.08
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD3	13	6.08
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD2	13	6.08
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD3	13	6.08
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD2	13	6.08
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD3	13	6.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD2	13	6.08
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD3	13	6.08
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD2	13	6.08
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD3	13	6.08
(1,399)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	10	6.08
(1,399)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	10	6.08
(1,399)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	10	6.08
(1,399)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	10	6.08
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB2	3	6.07
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB3	3	6.07
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB2	3	6.07
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB3	3	6.07
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB2	3	6.07
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB3	3	6.07
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB2	3	6.07
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB3	3	6.07
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB2	3	6.07
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB3	3	6.07
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB2	3	6.07
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB3	3	6.07
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB2	3	6.07
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB3	3	6.07
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB2	3	6.07
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB3	3	6.07
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD2	19	6.07
(1,438)	1:A:92:GLN:HG2	1:A:71:ARG:HD3	19	6.07
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD2	19	6.07
(1,438)	1:A:92:GLN:HG2	1:B:71:ARG:HD3	19	6.07
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD2	19	6.07
(1,438)	1:A:92:GLN:HG3	1:A:71:ARG:HD3	19	6.07
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD2	19	6.07
(1,438)	1:A:92:GLN:HG3	1:B:71:ARG:HD3	19	6.07
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD2	19	6.07
(1,438)	1:B:92:GLN:HG2	1:A:71:ARG:HD3	19	6.07
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD2	19	6.07
(1,438)	1:B:92:GLN:HG2	1:B:71:ARG:HD3	19	6.07
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD2	19	6.07
(1,438)	1:B:92:GLN:HG3	1:A:71:ARG:HD3	19	6.07
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD2	19	6.07
(1,438)	1:B:92:GLN:HG3	1:B:71:ARG:HD3	19	6.07
(1,399)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	13	6.07
(1,399)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	13	6.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	13	6.07
(1,399)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	13	6.07
(1,354)	1:A:76:GLU:HA	1:A:51:ASN:HD21	11	6.07
(1,354)	1:A:76:GLU:HA	1:B:51:ASN:HD21	11	6.07
(1,354)	1:B:76:GLU:HA	1:A:51:ASN:HD21	11	6.07
(1,354)	1:B:76:GLU:HA	1:B:51:ASN:HD21	11	6.07
(1,725)	1:A:75:LEU:HA	1:A:50:ILE:HG21	7	6.06
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG21	7	6.06
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG22	7	6.06
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG23	7	6.06
(1,725)	1:B:75:LEU:HA	1:A:50:ILE:HG21	7	6.06
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG21	7	6.06
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG22	7	6.06
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG23	7	6.06
(1,537)	1:A:91:LEU:H	1:A:66:LYS:HE2	16	6.06
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE2	16	6.06
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE3	16	6.06
(1,537)	1:B:91:LEU:H	1:A:66:LYS:HE2	16	6.06
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE2	16	6.06
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE3	16	6.06
(1,503)	1:A:65:LEU:HA	1:A:69:SER:H	11	6.06
(1,503)	1:A:65:LEU:HA	1:B:69:SER:H	11	6.06
(1,503)	1:B:65:LEU:HA	1:A:69:SER:H	11	6.06
(1,503)	1:B:65:LEU:HA	1:B:69:SER:H	11	6.06
(1,399)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	4	6.06
(1,399)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	4	6.06
(1,399)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	4	6.06
(1,399)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	4	6.06
(1,399)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	15	6.06
(1,399)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	15	6.06
(1,399)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	15	6.06
(1,399)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	15	6.06
(1,725)	1:A:75:LEU:HA	1:A:50:ILE:HG21	1	6.05
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG21	1	6.05
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG22	1	6.05
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG23	1	6.05
(1,725)	1:B:75:LEU:HA	1:A:50:ILE:HG21	1	6.05
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG21	1	6.05
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG22	1	6.05
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG23	1	6.05
(1,503)	1:A:65:LEU:HA	1:A:69:SER:H	20	6.05
(1,503)	1:A:65:LEU:HA	1:B:69:SER:H	20	6.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,503)	1:B:65:LEU:HA	1:A:69:SER:H	20	6.05
(1,503)	1:B:65:LEU:HA	1:B:69:SER:H	20	6.05
(1,399)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	17	6.05
(1,399)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	17	6.05
(1,399)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	17	6.05
(1,399)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	17	6.05
(1,354)	1:A:76:GLU:HA	1:A:51:ASN:HD21	13	6.05
(1,354)	1:A:76:GLU:HA	1:B:51:ASN:HD21	13	6.05
(1,354)	1:B:76:GLU:HA	1:A:51:ASN:HD21	13	6.05
(1,354)	1:B:76:GLU:HA	1:B:51:ASN:HD21	13	6.05
(1,216)	1:A:76:GLU:HB2	1:A:51:ASN:HD21	5	6.05
(1,216)	1:A:76:GLU:HB2	1:B:51:ASN:HD21	5	6.05
(1,216)	1:A:76:GLU:HB3	1:A:51:ASN:HD21	5	6.05
(1,216)	1:A:76:GLU:HB3	1:B:51:ASN:HD21	5	6.05
(1,216)	1:B:76:GLU:HB2	1:A:51:ASN:HD21	5	6.05
(1,216)	1:B:76:GLU:HB2	1:B:51:ASN:HD21	5	6.05
(1,216)	1:B:76:GLU:HB3	1:A:51:ASN:HD21	5	6.05
(1,216)	1:B:76:GLU:HB3	1:B:51:ASN:HD21	5	6.05
(1,925)	1:A:69:SER:H	1:A:65:LEU:O	1	6.04
(1,925)	1:A:69:SER:H	1:B:65:LEU:O	1	6.04
(1,925)	1:B:69:SER:H	1:A:65:LEU:O	1	6.04
(1,925)	1:B:69:SER:H	1:B:65:LEU:O	1	6.04
(1,546)	1:A:88:LEU:HA	1:A:66:LYS:HE2	11	6.04
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE2	11	6.04
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE3	11	6.04
(1,546)	1:B:88:LEU:HA	1:A:66:LYS:HE2	11	6.04
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE2	11	6.04
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE3	11	6.04
(1,546)	1:A:88:LEU:HA	1:A:66:LYS:HE2	17	6.04
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE2	17	6.04
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE3	17	6.04
(1,546)	1:B:88:LEU:HA	1:A:66:LYS:HE2	17	6.04
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE2	17	6.04
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE3	17	6.04
(1,399)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	2	6.04
(1,399)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	2	6.04
(1,399)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	2	6.04
(1,399)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	2	6.04
(1,725)	1:A:75:LEU:HA	1:A:50:ILE:HG21	17	6.03
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG21	17	6.03
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG22	17	6.03
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG23	17	6.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:B:75:LEU:HA	1:A:50:ILE:HG21	17	6.03
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG21	17	6.03
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG22	17	6.03
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG23	17	6.03
(1,537)	1:A:91:LEU:H	1:A:66:LYS:HE2	14	6.03
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE2	14	6.03
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE3	14	6.03
(1,537)	1:B:91:LEU:H	1:A:66:LYS:HE2	14	6.03
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE2	14	6.03
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE3	14	6.03
(1,399)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	11	6.03
(1,399)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	11	6.03
(1,399)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	11	6.03
(1,399)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	11	6.03
(1,99)	1:A:66:LYS:HE2	1:A:92:GLN:H	1	6.02
(1,99)	1:A:66:LYS:HE2	1:B:92:GLN:H	1	6.02
(1,99)	1:B:66:LYS:HE2	1:A:92:GLN:H	1	6.02
(1,99)	1:B:66:LYS:HE2	1:B:92:GLN:H	1	6.02
(1,99)	1:B:66:LYS:HE3	1:A:92:GLN:H	1	6.02
(1,99)	1:B:66:LYS:HE3	1:B:92:GLN:H	1	6.02
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB2	20	6.02
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB3	20	6.02
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB2	20	6.02
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB3	20	6.02
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB2	20	6.02
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB3	20	6.02
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB2	20	6.02
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB3	20	6.02
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB2	20	6.02
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB3	20	6.02
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB2	20	6.02
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB3	20	6.02
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB2	20	6.02
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB3	20	6.02
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB2	20	6.02
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB3	20	6.02
(1,725)	1:A:75:LEU:HA	1:A:50:ILE:HG21	5	6.02
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG21	5	6.02
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG22	5	6.02
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG23	5	6.02
(1,725)	1:B:75:LEU:HA	1:A:50:ILE:HG21	5	6.02
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG21	5	6.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG22	5	6.02
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG23	5	6.02
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE21	5	6.02
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE22	5	6.02
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE21	5	6.02
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE22	5	6.02
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE21	5	6.02
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE22	5	6.02
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE21	5	6.02
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE22	5	6.02
(1,537)	1:A:91:LEU:H	1:A:66:LYS:HE2	8	6.02
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE2	8	6.02
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE3	8	6.02
(1,537)	1:B:91:LEU:H	1:A:66:LYS:HE2	8	6.02
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE2	8	6.02
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE3	8	6.02
(1,399)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	20	6.02
(1,399)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	20	6.02
(1,399)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	20	6.02
(1,399)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	20	6.02
(1,228)	1:A:76:GLU:HB2	1:A:51:ASN:HD22	1	6.02
(1,228)	1:A:76:GLU:HB2	1:B:51:ASN:HD22	1	6.02
(1,228)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	1	6.02
(1,228)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	1	6.02
(1,228)	1:B:76:GLU:HB2	1:A:51:ASN:HD22	1	6.02
(1,228)	1:B:76:GLU:HB2	1:B:51:ASN:HD22	1	6.02
(1,228)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	1	6.02
(1,228)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	1	6.02
(1,840)	1:A:87:HIS:HD1	1:A:72:HIS:HA	16	6.01
(1,840)	1:A:87:HIS:HD1	1:B:72:HIS:HA	16	6.01
(1,840)	1:A:87:HIS:HD2	1:A:72:HIS:HA	16	6.01
(1,840)	1:A:87:HIS:HD2	1:B:72:HIS:HA	16	6.01
(1,840)	1:B:87:HIS:HD1	1:A:72:HIS:HA	16	6.01
(1,840)	1:B:87:HIS:HD1	1:B:72:HIS:HA	16	6.01
(1,840)	1:B:87:HIS:HD2	1:A:72:HIS:HA	16	6.01
(1,840)	1:B:87:HIS:HD2	1:B:72:HIS:HA	16	6.01
(1,725)	1:A:75:LEU:HA	1:A:50:ILE:HG21	3	6.01
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG21	3	6.01
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG22	3	6.01
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG23	3	6.01
(1,725)	1:B:75:LEU:HA	1:A:50:ILE:HG21	3	6.01
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG21	3	6.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG22	3	6.01
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG23	3	6.01
(1,546)	1:A:88:LEU:HA	1:A:66:LYS:HE2	5	6.01
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE2	5	6.01
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE3	5	6.01
(1,546)	1:B:88:LEU:HA	1:A:66:LYS:HE2	5	6.01
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE2	5	6.01
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE3	5	6.01
(1,354)	1:A:76:GLU:HA	1:A:51:ASN:HD21	3	6.01
(1,354)	1:A:76:GLU:HA	1:B:51:ASN:HD21	3	6.01
(1,354)	1:B:76:GLU:HA	1:A:51:ASN:HD21	3	6.01
(1,354)	1:B:76:GLU:HA	1:B:51:ASN:HD21	3	6.01
(1,354)	1:A:76:GLU:HA	1:A:51:ASN:HD21	16	6.01
(1,354)	1:A:76:GLU:HA	1:B:51:ASN:HD21	16	6.01
(1,354)	1:B:76:GLU:HA	1:A:51:ASN:HD21	16	6.01
(1,354)	1:B:76:GLU:HA	1:B:51:ASN:HD21	16	6.01
(1,216)	1:A:76:GLU:HB2	1:A:51:ASN:HD21	4	6.01
(1,216)	1:A:76:GLU:HB2	1:B:51:ASN:HD21	4	6.01
(1,216)	1:A:76:GLU:HB3	1:A:51:ASN:HD21	4	6.01
(1,216)	1:A:76:GLU:HB3	1:B:51:ASN:HD21	4	6.01
(1,216)	1:B:76:GLU:HB2	1:A:51:ASN:HD21	4	6.01
(1,216)	1:B:76:GLU:HB2	1:B:51:ASN:HD21	4	6.01
(1,216)	1:B:76:GLU:HB3	1:A:51:ASN:HD21	4	6.01
(1,216)	1:B:76:GLU:HB3	1:B:51:ASN:HD21	4	6.01
(1,925)	1:A:69:SER:H	1:A:65:LEU:O	8	6.0
(1,925)	1:A:69:SER:H	1:B:65:LEU:O	8	6.0
(1,925)	1:B:69:SER:H	1:A:65:LEU:O	8	6.0
(1,925)	1:B:69:SER:H	1:B:65:LEU:O	8	6.0
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG2	15	6.0
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG3	15	6.0
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG2	15	6.0
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG3	15	6.0
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG2	15	6.0
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG3	15	6.0
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG2	15	6.0
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG3	15	6.0
(1,546)	1:A:88:LEU:HA	1:A:66:LYS:HE2	10	6.0
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE2	10	6.0
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE3	10	6.0
(1,546)	1:B:88:LEU:HA	1:A:66:LYS:HE2	10	6.0
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE2	10	6.0
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE3	10	6.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	8	6.0
(1,399)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	8	6.0
(1,399)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	8	6.0
(1,399)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	8	6.0
(1,399)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	12	6.0
(1,399)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	12	6.0
(1,399)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	12	6.0
(1,399)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	12	6.0
(1,354)	1:A:76:GLU:HA	1:A:51:ASN:HD21	10	6.0
(1,354)	1:A:76:GLU:HA	1:B:51:ASN:HD21	10	6.0
(1,354)	1:B:76:GLU:HA	1:A:51:ASN:HD21	10	6.0
(1,354)	1:B:76:GLU:HA	1:B:51:ASN:HD21	10	6.0
(1,228)	1:A:76:GLU:HB2	1:A:51:ASN:HD22	18	6.0
(1,228)	1:A:76:GLU:HB2	1:B:51:ASN:HD22	18	6.0
(1,228)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	18	6.0
(1,228)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	18	6.0
(1,228)	1:B:76:GLU:HB2	1:A:51:ASN:HD22	18	6.0
(1,228)	1:B:76:GLU:HB2	1:B:51:ASN:HD22	18	6.0
(1,228)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	18	6.0
(1,228)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	18	6.0
(1,925)	1:A:69:SER:H	1:A:65:LEU:O	7	5.99
(1,925)	1:A:69:SER:H	1:B:65:LEU:O	7	5.99
(1,925)	1:B:69:SER:H	1:A:65:LEU:O	7	5.99
(1,925)	1:B:69:SER:H	1:B:65:LEU:O	7	5.99
(1,725)	1:A:75:LEU:HA	1:A:50:ILE:HG21	15	5.99
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG21	15	5.99
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG22	15	5.99
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG23	15	5.99
(1,725)	1:B:75:LEU:HA	1:A:50:ILE:HG21	15	5.99
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG21	15	5.99
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG22	15	5.99
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG23	15	5.99
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE21	13	5.99
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE22	13	5.99
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE21	13	5.99
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE22	13	5.99
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE21	13	5.99
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE22	13	5.99
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE21	13	5.99
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE22	13	5.99
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE21	19	5.99
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE22	19	5.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE21	19	5.99
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE22	19	5.99
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE21	19	5.99
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE22	19	5.99
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE21	19	5.99
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE22	19	5.99
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG2	5	5.99
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG3	5	5.99
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG2	5	5.99
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG3	5	5.99
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG2	5	5.99
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG3	5	5.99
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG2	5	5.99
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG3	5	5.99
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG2	7	5.99
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG3	7	5.99
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG2	7	5.99
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG3	7	5.99
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG2	7	5.99
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG3	7	5.99
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG2	7	5.99
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG3	7	5.99
(1,546)	1:A:88:LEU:HA	1:A:66:LYS:HE2	14	5.99
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE2	14	5.99
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE3	14	5.99
(1,546)	1:B:88:LEU:HA	1:A:66:LYS:HE2	14	5.99
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE2	14	5.99
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE3	14	5.99
(1,725)	1:A:75:LEU:HA	1:A:50:ILE:HG21	4	5.98
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG21	4	5.98
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG22	4	5.98
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG23	4	5.98
(1,725)	1:B:75:LEU:HA	1:A:50:ILE:HG21	4	5.98
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG21	4	5.98
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG22	4	5.98
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG23	4	5.98
(1,725)	1:A:75:LEU:HA	1:A:50:ILE:HG21	10	5.98
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG21	10	5.98
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG22	10	5.98
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG23	10	5.98
(1,725)	1:B:75:LEU:HA	1:A:50:ILE:HG21	10	5.98
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG21	10	5.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG22	10	5.98
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG23	10	5.98
(1,560)	1:A:91:LEU:HA	1:A:66:LYS:HE2	5	5.98
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE2	5	5.98
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE3	5	5.98
(1,560)	1:B:91:LEU:HA	1:A:66:LYS:HE2	5	5.98
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE2	5	5.98
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE3	5	5.98
(1,839)	1:A:87:HIS:HD1	1:A:72:HIS:H	13	5.97
(1,839)	1:A:87:HIS:HD1	1:B:72:HIS:H	13	5.97
(1,839)	1:A:87:HIS:HD2	1:A:72:HIS:H	13	5.97
(1,839)	1:A:87:HIS:HD2	1:B:72:HIS:H	13	5.97
(1,839)	1:B:87:HIS:HD1	1:A:72:HIS:H	13	5.97
(1,839)	1:B:87:HIS:HD1	1:B:72:HIS:H	13	5.97
(1,839)	1:B:87:HIS:HD2	1:A:72:HIS:H	13	5.97
(1,839)	1:B:87:HIS:HD2	1:B:72:HIS:H	13	5.97
(1,725)	1:A:75:LEU:HA	1:A:50:ILE:HG21	12	5.97
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG21	12	5.97
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG22	12	5.97
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG23	12	5.97
(1,725)	1:B:75:LEU:HA	1:A:50:ILE:HG21	12	5.97
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG21	12	5.97
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG22	12	5.97
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG23	12	5.97
(1,560)	1:A:91:LEU:HA	1:A:66:LYS:HE2	15	5.97
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE2	15	5.97
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE3	15	5.97
(1,560)	1:B:91:LEU:HA	1:A:66:LYS:HE2	15	5.97
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE2	15	5.97
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE3	15	5.97
(1,503)	1:A:65:LEU:HA	1:A:69:SER:H	16	5.97
(1,503)	1:A:65:LEU:HA	1:B:69:SER:H	16	5.97
(1,503)	1:B:65:LEU:HA	1:A:69:SER:H	16	5.97
(1,503)	1:B:65:LEU:HA	1:B:69:SER:H	16	5.97
(1,925)	1:A:69:SER:H	1:A:65:LEU:O	5	5.96
(1,925)	1:A:69:SER:H	1:B:65:LEU:O	5	5.96
(1,925)	1:B:69:SER:H	1:A:65:LEU:O	5	5.96
(1,925)	1:B:69:SER:H	1:B:65:LEU:O	5	5.96
(1,840)	1:A:87:HIS:HD1	1:A:72:HIS:HA	18	5.96
(1,840)	1:A:87:HIS:HD1	1:B:72:HIS:HA	18	5.96
(1,840)	1:A:87:HIS:HD2	1:A:72:HIS:HA	18	5.96
(1,840)	1:A:87:HIS:HD2	1:B:72:HIS:HA	18	5.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:B:87:HIS:HD1	1:A:72:HIS:HA	18	5.96
(1,840)	1:B:87:HIS:HD1	1:B:72:HIS:HA	18	5.96
(1,840)	1:B:87:HIS:HD2	1:A:72:HIS:HA	18	5.96
(1,840)	1:B:87:HIS:HD2	1:B:72:HIS:HA	18	5.96
(1,725)	1:A:75:LEU:HA	1:A:50:ILE:HG21	2	5.96
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG21	2	5.96
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG22	2	5.96
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG23	2	5.96
(1,725)	1:B:75:LEU:HA	1:A:50:ILE:HG21	2	5.96
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG21	2	5.96
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG22	2	5.96
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG23	2	5.96
(1,560)	1:A:91:LEU:HA	1:A:66:LYS:HE2	12	5.96
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE2	12	5.96
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE3	12	5.96
(1,560)	1:B:91:LEU:HA	1:A:66:LYS:HE2	12	5.96
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE2	12	5.96
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE3	12	5.96
(1,557)	1:A:89:ARG:HA	1:A:66:LYS:HE2	3	5.96
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE2	3	5.96
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE3	3	5.96
(1,557)	1:B:89:ARG:HA	1:A:66:LYS:HE2	3	5.96
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE2	3	5.96
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE3	3	5.96
(1,557)	1:A:89:ARG:HA	1:A:66:LYS:HE2	8	5.96
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE2	8	5.96
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE3	8	5.96
(1,557)	1:B:89:ARG:HA	1:A:66:LYS:HE2	8	5.96
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE2	8	5.96
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE3	8	5.96
(1,503)	1:A:65:LEU:HA	1:A:69:SER:H	3	5.96
(1,503)	1:A:65:LEU:HA	1:B:69:SER:H	3	5.96
(1,503)	1:B:65:LEU:HA	1:A:69:SER:H	3	5.96
(1,503)	1:B:65:LEU:HA	1:B:69:SER:H	3	5.96
(1,216)	1:A:76:GLU:HB2	1:A:51:ASN:HD21	18	5.96
(1,216)	1:A:76:GLU:HB2	1:B:51:ASN:HD21	18	5.96
(1,216)	1:A:76:GLU:HB3	1:A:51:ASN:HD21	18	5.96
(1,216)	1:A:76:GLU:HB3	1:B:51:ASN:HD21	18	5.96
(1,216)	1:B:76:GLU:HB2	1:A:51:ASN:HD21	18	5.96
(1,216)	1:B:76:GLU:HB2	1:B:51:ASN:HD21	18	5.96
(1,216)	1:B:76:GLU:HB3	1:A:51:ASN:HD21	18	5.96
(1,216)	1:B:76:GLU:HB3	1:B:51:ASN:HD21	18	5.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE21	20	5.95
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE22	20	5.95
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE21	20	5.95
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE22	20	5.95
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE21	20	5.95
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE22	20	5.95
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE21	20	5.95
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE22	20	5.95
(1,560)	1:A:91:LEU:HA	1:A:66:LYS:HE2	3	5.95
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE2	3	5.95
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE3	3	5.95
(1,560)	1:B:91:LEU:HA	1:A:66:LYS:HE2	3	5.95
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE2	3	5.95
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE3	3	5.95
(1,399)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	3	5.95
(1,399)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	3	5.95
(1,399)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	3	5.95
(1,399)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	3	5.95
(1,399)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	19	5.95
(1,399)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	19	5.95
(1,399)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	19	5.95
(1,399)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	19	5.95
(1,925)	1:A:69:SER:H	1:A:65:LEU:O	15	5.94
(1,925)	1:A:69:SER:H	1:B:65:LEU:O	15	5.94
(1,925)	1:B:69:SER:H	1:A:65:LEU:O	15	5.94
(1,925)	1:B:69:SER:H	1:B:65:LEU:O	15	5.94
(1,840)	1:A:87:HIS:HD1	1:A:72:HIS:HA	10	5.94
(1,840)	1:A:87:HIS:HD1	1:B:72:HIS:HA	10	5.94
(1,840)	1:A:87:HIS:HD2	1:A:72:HIS:HA	10	5.94
(1,840)	1:A:87:HIS:HD2	1:B:72:HIS:HA	10	5.94
(1,840)	1:B:87:HIS:HD1	1:A:72:HIS:HA	10	5.94
(1,840)	1:B:87:HIS:HD1	1:B:72:HIS:HA	10	5.94
(1,840)	1:B:87:HIS:HD2	1:A:72:HIS:HA	10	5.94
(1,840)	1:B:87:HIS:HD2	1:B:72:HIS:HA	10	5.94
(1,557)	1:A:89:ARG:HA	1:A:66:LYS:HE2	18	5.94
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE2	18	5.94
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE3	18	5.94
(1,557)	1:B:89:ARG:HA	1:A:66:LYS:HE2	18	5.94
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE2	18	5.94
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE3	18	5.94
(1,503)	1:A:65:LEU:HA	1:A:69:SER:H	19	5.94
(1,503)	1:A:65:LEU:HA	1:B:69:SER:H	19	5.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,503)	1:B:65:LEU:HA	1:A:69:SER:H	19	5.94
(1,503)	1:B:65:LEU:HA	1:B:69:SER:H	19	5.94
(1,399)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	9	5.94
(1,399)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	9	5.94
(1,399)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	9	5.94
(1,399)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	9	5.94
(1,840)	1:A:87:HIS:HD1	1:A:72:HIS:HA	4	5.93
(1,840)	1:A:87:HIS:HD1	1:B:72:HIS:HA	4	5.93
(1,840)	1:A:87:HIS:HD2	1:A:72:HIS:HA	4	5.93
(1,840)	1:A:87:HIS:HD2	1:B:72:HIS:HA	4	5.93
(1,840)	1:B:87:HIS:HD1	1:A:72:HIS:HA	4	5.93
(1,840)	1:B:87:HIS:HD1	1:B:72:HIS:HA	4	5.93
(1,840)	1:B:87:HIS:HD2	1:A:72:HIS:HA	4	5.93
(1,840)	1:B:87:HIS:HD2	1:B:72:HIS:HA	4	5.93
(1,725)	1:A:75:LEU:HA	1:A:50:ILE:HG21	11	5.93
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG21	11	5.93
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG22	11	5.93
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG23	11	5.93
(1,725)	1:B:75:LEU:HA	1:A:50:ILE:HG21	11	5.93
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG21	11	5.93
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG22	11	5.93
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG23	11	5.93
(1,615)	1:A:91:LEU:HG	1:A:66:LYS:HE2	17	5.93
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE2	17	5.93
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE3	17	5.93
(1,615)	1:B:91:LEU:HG	1:A:66:LYS:HE2	17	5.93
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE2	17	5.93
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE3	17	5.93
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG2	10	5.93
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG3	10	5.93
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG2	10	5.93
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG3	10	5.93
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG2	10	5.93
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG3	10	5.93
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG2	10	5.93
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG3	10	5.93
(1,228)	1:A:76:GLU:HB2	1:A:51:ASN:HD22	7	5.93
(1,228)	1:A:76:GLU:HB2	1:B:51:ASN:HD22	7	5.93
(1,228)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	7	5.93
(1,228)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	7	5.93
(1,228)	1:B:76:GLU:HB2	1:A:51:ASN:HD22	7	5.93
(1,228)	1:B:76:GLU:HB2	1:B:51:ASN:HD22	7	5.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	7	5.93
(1,228)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	7	5.93
(1,725)	1:A:75:LEU:HA	1:A:50:ILE:HG21	14	5.92
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG21	14	5.92
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG22	14	5.92
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG23	14	5.92
(1,725)	1:B:75:LEU:HA	1:A:50:ILE:HG21	14	5.92
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG21	14	5.92
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG22	14	5.92
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG23	14	5.92
(1,615)	1:A:91:LEU:HG	1:A:66:LYS:HE2	12	5.92
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE2	12	5.92
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE3	12	5.92
(1,615)	1:B:91:LEU:HG	1:A:66:LYS:HE2	12	5.92
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE2	12	5.92
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE3	12	5.92
(1,546)	1:A:88:LEU:HA	1:A:66:LYS:HE2	15	5.92
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE2	15	5.92
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE3	15	5.92
(1,546)	1:B:88:LEU:HA	1:A:66:LYS:HE2	15	5.92
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE2	15	5.92
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE3	15	5.92
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB2	19	5.91
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB3	19	5.91
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB2	19	5.91
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB3	19	5.91
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB2	19	5.91
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB3	19	5.91
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB2	19	5.91
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB3	19	5.91
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB2	19	5.91
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB3	19	5.91
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB2	19	5.91
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB3	19	5.91
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB2	19	5.91
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB3	19	5.91
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB2	19	5.91
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB3	19	5.91
(1,925)	1:A:69:SER:H	1:A:65:LEU:O	10	5.9
(1,925)	1:A:69:SER:H	1:B:65:LEU:O	10	5.9
(1,925)	1:B:69:SER:H	1:A:65:LEU:O	10	5.9
(1,925)	1:B:69:SER:H	1:B:65:LEU:O	10	5.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,537)	1:A:91:LEU:H	1:A:66:LYS:HE2	5	5.9
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE2	5	5.9
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE3	5	5.9
(1,537)	1:B:91:LEU:H	1:A:66:LYS:HE2	5	5.9
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE2	5	5.9
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE3	5	5.9
(1,537)	1:A:91:LEU:H	1:A:66:LYS:HE2	17	5.9
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE2	17	5.9
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE3	17	5.9
(1,537)	1:B:91:LEU:H	1:A:66:LYS:HE2	17	5.9
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE2	17	5.9
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE3	17	5.9
(1,503)	1:A:65:LEU:HA	1:A:69:SER:H	2	5.9
(1,503)	1:A:65:LEU:HA	1:B:69:SER:H	2	5.9
(1,503)	1:B:65:LEU:HA	1:A:69:SER:H	2	5.9
(1,503)	1:B:65:LEU:HA	1:B:69:SER:H	2	5.9
(1,399)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	6	5.9
(1,399)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	6	5.9
(1,399)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	6	5.9
(1,399)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	6	5.9
(1,615)	1:A:91:LEU:HG	1:A:66:LYS:HE2	5	5.89
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE2	5	5.89
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE3	5	5.89
(1,615)	1:B:91:LEU:HG	1:A:66:LYS:HE2	5	5.89
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE2	5	5.89
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE3	5	5.89
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG2	6	5.89
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG3	6	5.89
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG2	6	5.89
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG3	6	5.89
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG2	6	5.89
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG3	6	5.89
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG2	6	5.89
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG3	6	5.89
(1,503)	1:A:65:LEU:HA	1:A:69:SER:H	13	5.89
(1,503)	1:A:65:LEU:HA	1:B:69:SER:H	13	5.89
(1,503)	1:B:65:LEU:HA	1:A:69:SER:H	13	5.89
(1,503)	1:B:65:LEU:HA	1:B:69:SER:H	13	5.89
(1,725)	1:A:75:LEU:HA	1:A:50:ILE:HG21	19	5.88
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG21	19	5.88
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG22	19	5.88
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG23	19	5.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:B:75:LEU:HA	1:A:50:ILE:HG21	19	5.88
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG21	19	5.88
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG22	19	5.88
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG23	19	5.88
(1,557)	1:A:89:ARG:HA	1:A:66:LYS:HE2	12	5.88
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE2	12	5.88
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE3	12	5.88
(1,557)	1:B:89:ARG:HA	1:A:66:LYS:HE2	12	5.88
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE2	12	5.88
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE3	12	5.88
(1,546)	1:A:88:LEU:HA	1:A:66:LYS:HE2	8	5.88
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE2	8	5.88
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE3	8	5.88
(1,546)	1:B:88:LEU:HA	1:A:66:LYS:HE2	8	5.88
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE2	8	5.88
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE3	8	5.88
(1,546)	1:A:88:LEU:HA	1:A:66:LYS:HE2	12	5.88
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE2	12	5.88
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE3	12	5.88
(1,546)	1:B:88:LEU:HA	1:A:66:LYS:HE2	12	5.88
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE2	12	5.88
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE3	12	5.88
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG2	3	5.87
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG3	3	5.87
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG2	3	5.87
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG3	3	5.87
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG2	3	5.87
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG3	3	5.87
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG2	3	5.87
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG3	3	5.87
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG2	16	5.87
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG3	16	5.87
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG2	16	5.87
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG3	16	5.87
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG2	16	5.87
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG3	16	5.87
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG2	16	5.87
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG3	16	5.87
(1,557)	1:A:89:ARG:HA	1:A:66:LYS:HE2	7	5.87
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE2	7	5.87
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE3	7	5.87
(1,557)	1:B:89:ARG:HA	1:A:66:LYS:HE2	7	5.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE2	7	5.87
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE3	7	5.87
(1,228)	1:A:76:GLU:HB2	1:A:51:ASN:HD22	2	5.87
(1,228)	1:A:76:GLU:HB2	1:B:51:ASN:HD22	2	5.87
(1,228)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	2	5.87
(1,228)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	2	5.87
(1,228)	1:B:76:GLU:HB2	1:A:51:ASN:HD22	2	5.87
(1,228)	1:B:76:GLU:HB2	1:B:51:ASN:HD22	2	5.87
(1,228)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	2	5.87
(1,228)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	2	5.87
(1,216)	1:A:76:GLU:HB2	1:A:51:ASN:HD21	1	5.87
(1,216)	1:A:76:GLU:HB2	1:B:51:ASN:HD21	1	5.87
(1,216)	1:A:76:GLU:HB3	1:A:51:ASN:HD21	1	5.87
(1,216)	1:A:76:GLU:HB3	1:B:51:ASN:HD21	1	5.87
(1,216)	1:B:76:GLU:HB2	1:A:51:ASN:HD21	1	5.87
(1,216)	1:B:76:GLU:HB2	1:B:51:ASN:HD21	1	5.87
(1,216)	1:B:76:GLU:HB3	1:A:51:ASN:HD21	1	5.87
(1,216)	1:B:76:GLU:HB3	1:B:51:ASN:HD21	1	5.87
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE21	4	5.86
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE22	4	5.86
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE21	4	5.86
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE22	4	5.86
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE21	4	5.86
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE22	4	5.86
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE21	4	5.86
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE22	4	5.86
(1,650)	1:A:79:ASP:HB2	1:A:54:LEU:HD11	3	5.86
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD11	3	5.86
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD12	3	5.86
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD13	3	5.86
(1,650)	1:B:79:ASP:HB2	1:A:54:LEU:HD11	3	5.86
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD11	3	5.86
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD12	3	5.86
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD13	3	5.86
(1,228)	1:A:76:GLU:HB2	1:A:51:ASN:HD22	10	5.86
(1,228)	1:A:76:GLU:HB2	1:B:51:ASN:HD22	10	5.86
(1,228)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	10	5.86
(1,228)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	10	5.86
(1,228)	1:B:76:GLU:HB2	1:A:51:ASN:HD22	10	5.86
(1,228)	1:B:76:GLU:HB2	1:B:51:ASN:HD22	10	5.86
(1,228)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	10	5.86
(1,228)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	10	5.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:A:76:GLU:HB2	1:A:51:ASN:HD22	14	5.86
(1,228)	1:A:76:GLU:HB2	1:B:51:ASN:HD22	14	5.86
(1,228)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	14	5.86
(1,228)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	14	5.86
(1,228)	1:B:76:GLU:HB2	1:A:51:ASN:HD22	14	5.86
(1,228)	1:B:76:GLU:HB2	1:B:51:ASN:HD22	14	5.86
(1,228)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	14	5.86
(1,228)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	14	5.86
(1,216)	1:A:76:GLU:HB2	1:A:51:ASN:HD21	7	5.86
(1,216)	1:A:76:GLU:HB2	1:B:51:ASN:HD21	7	5.86
(1,216)	1:A:76:GLU:HB3	1:A:51:ASN:HD21	7	5.86
(1,216)	1:A:76:GLU:HB3	1:B:51:ASN:HD21	7	5.86
(1,216)	1:B:76:GLU:HB2	1:A:51:ASN:HD21	7	5.86
(1,216)	1:B:76:GLU:HB2	1:B:51:ASN:HD21	7	5.86
(1,216)	1:B:76:GLU:HB3	1:A:51:ASN:HD21	7	5.86
(1,216)	1:B:76:GLU:HB3	1:B:51:ASN:HD21	7	5.86
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG2	1	5.85
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG3	1	5.85
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG2	1	5.85
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG3	1	5.85
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG2	1	5.85
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG3	1	5.85
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG2	1	5.85
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG3	1	5.85
(1,327)	1:A:90:ASN:H	1:A:66:LYS:HE2	19	5.85
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE2	19	5.85
(1,327)	1:A:90:ASN:H	1:B:66:LYS:HE3	19	5.85
(1,327)	1:B:90:ASN:H	1:A:66:LYS:HE2	19	5.85
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE2	19	5.85
(1,327)	1:B:90:ASN:H	1:B:66:LYS:HE3	19	5.85
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE21	3	5.84
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE22	3	5.84
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE21	3	5.84
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE22	3	5.84
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE21	3	5.84
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE22	3	5.84
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE21	3	5.84
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE22	3	5.84
(1,503)	1:A:65:LEU:HA	1:A:69:SER:H	18	5.84
(1,503)	1:A:65:LEU:HA	1:B:69:SER:H	18	5.84
(1,503)	1:B:65:LEU:HA	1:A:69:SER:H	18	5.84
(1,503)	1:B:65:LEU:HA	1:B:69:SER:H	18	5.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:A:76:GLU:HB2	1:A:51:ASN:HD22	13	5.84
(1,228)	1:A:76:GLU:HB2	1:B:51:ASN:HD22	13	5.84
(1,228)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	13	5.84
(1,228)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	13	5.84
(1,228)	1:B:76:GLU:HB2	1:A:51:ASN:HD22	13	5.84
(1,228)	1:B:76:GLU:HB2	1:B:51:ASN:HD22	13	5.84
(1,228)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	13	5.84
(1,228)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	13	5.84
(1,725)	1:A:75:LEU:HA	1:A:50:ILE:HG21	9	5.83
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG21	9	5.83
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG22	9	5.83
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG23	9	5.83
(1,725)	1:B:75:LEU:HA	1:A:50:ILE:HG21	9	5.83
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG21	9	5.83
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG22	9	5.83
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG23	9	5.83
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE21	12	5.83
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE22	12	5.83
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE21	12	5.83
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE22	12	5.83
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE21	12	5.83
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE22	12	5.83
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE21	12	5.83
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE22	12	5.83
(1,615)	1:A:91:LEU:HG	1:A:66:LYS:HE2	15	5.83
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE2	15	5.83
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE3	15	5.83
(1,615)	1:B:91:LEU:HG	1:A:66:LYS:HE2	15	5.83
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE2	15	5.83
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE3	15	5.83
(1,354)	1:A:76:GLU:HA	1:A:51:ASN:HD21	9	5.83
(1,354)	1:A:76:GLU:HA	1:B:51:ASN:HD21	9	5.83
(1,354)	1:B:76:GLU:HA	1:A:51:ASN:HD21	9	5.83
(1,354)	1:B:76:GLU:HA	1:B:51:ASN:HD21	9	5.83
(1,228)	1:A:76:GLU:HB2	1:A:51:ASN:HD22	20	5.83
(1,228)	1:A:76:GLU:HB2	1:B:51:ASN:HD22	20	5.83
(1,228)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	20	5.83
(1,228)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	20	5.83
(1,228)	1:B:76:GLU:HB2	1:A:51:ASN:HD22	20	5.83
(1,228)	1:B:76:GLU:HB2	1:B:51:ASN:HD22	20	5.83
(1,228)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	20	5.83
(1,228)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	20	5.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,503)	1:A:65:LEU:HA	1:A:69:SER:H	12	5.82
(1,503)	1:A:65:LEU:HA	1:B:69:SER:H	12	5.82
(1,503)	1:B:65:LEU:HA	1:A:69:SER:H	12	5.82
(1,503)	1:B:65:LEU:HA	1:B:69:SER:H	12	5.82
(1,560)	1:A:91:LEU:HA	1:A:66:LYS:HE2	2	5.81
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE2	2	5.81
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE3	2	5.81
(1,560)	1:B:91:LEU:HA	1:A:66:LYS:HE2	2	5.81
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE2	2	5.81
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE3	2	5.81
(1,399)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	16	5.81
(1,399)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	16	5.81
(1,399)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	16	5.81
(1,399)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	16	5.81
(1,228)	1:A:76:GLU:HB2	1:A:51:ASN:HD22	4	5.81
(1,228)	1:A:76:GLU:HB2	1:B:51:ASN:HD22	4	5.81
(1,228)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	4	5.81
(1,228)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	4	5.81
(1,228)	1:B:76:GLU:HB2	1:A:51:ASN:HD22	4	5.81
(1,228)	1:B:76:GLU:HB2	1:B:51:ASN:HD22	4	5.81
(1,228)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	4	5.81
(1,228)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	4	5.81
(1,228)	1:A:76:GLU:HB2	1:A:51:ASN:HD22	17	5.81
(1,228)	1:A:76:GLU:HB2	1:B:51:ASN:HD22	17	5.81
(1,228)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	17	5.81
(1,228)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	17	5.81
(1,228)	1:B:76:GLU:HB2	1:A:51:ASN:HD22	17	5.81
(1,228)	1:B:76:GLU:HB2	1:B:51:ASN:HD22	17	5.81
(1,228)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	17	5.81
(1,228)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	17	5.81
(1,283)	1:A:87:HIS:HD2	1:A:72:HIS:H	13	5.8
(1,283)	1:A:87:HIS:HD2	1:B:72:HIS:H	13	5.8
(1,283)	1:B:87:HIS:HD2	1:A:72:HIS:H	13	5.8
(1,283)	1:B:87:HIS:HD2	1:B:72:HIS:H	13	5.8
(1,228)	1:A:76:GLU:HB2	1:A:51:ASN:HD22	11	5.8
(1,228)	1:A:76:GLU:HB2	1:B:51:ASN:HD22	11	5.8
(1,228)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	11	5.8
(1,228)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	11	5.8
(1,228)	1:B:76:GLU:HB2	1:A:51:ASN:HD22	11	5.8
(1,228)	1:B:76:GLU:HB2	1:B:51:ASN:HD22	11	5.8
(1,228)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	11	5.8
(1,228)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	11	5.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:A:76:GLU:HB2	1:A:51:ASN:HD21	17	5.8
(1,216)	1:A:76:GLU:HB2	1:B:51:ASN:HD21	17	5.8
(1,216)	1:A:76:GLU:HB3	1:A:51:ASN:HD21	17	5.8
(1,216)	1:A:76:GLU:HB3	1:B:51:ASN:HD21	17	5.8
(1,216)	1:B:76:GLU:HB2	1:A:51:ASN:HD21	17	5.8
(1,216)	1:B:76:GLU:HB2	1:B:51:ASN:HD21	17	5.8
(1,216)	1:B:76:GLU:HB3	1:A:51:ASN:HD21	17	5.8
(1,216)	1:B:76:GLU:HB3	1:B:51:ASN:HD21	17	5.8
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB2	14	5.79
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB3	14	5.79
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB2	14	5.79
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB3	14	5.79
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB2	14	5.79
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB3	14	5.79
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB2	14	5.79
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB3	14	5.79
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB2	14	5.79
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB3	14	5.79
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB2	14	5.79
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB3	14	5.79
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB2	14	5.79
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB3	14	5.79
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB2	14	5.79
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB3	14	5.79
(1,228)	1:A:76:GLU:HB2	1:A:51:ASN:HD22	8	5.79
(1,228)	1:A:76:GLU:HB2	1:B:51:ASN:HD22	8	5.79
(1,228)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	8	5.79
(1,228)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	8	5.79
(1,228)	1:B:76:GLU:HB2	1:A:51:ASN:HD22	8	5.79
(1,228)	1:B:76:GLU:HB2	1:B:51:ASN:HD22	8	5.79
(1,228)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	8	5.79
(1,228)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	8	5.79
(1,228)	1:A:76:GLU:HB2	1:A:51:ASN:HD22	15	5.79
(1,228)	1:A:76:GLU:HB2	1:B:51:ASN:HD22	15	5.79
(1,228)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	15	5.79
(1,228)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	15	5.79
(1,228)	1:B:76:GLU:HB2	1:A:51:ASN:HD22	15	5.79
(1,228)	1:B:76:GLU:HB2	1:B:51:ASN:HD22	15	5.79
(1,228)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	15	5.79
(1,228)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	15	5.79
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG2	4	5.78
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG3	4	5.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG2	4	5.78
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG3	4	5.78
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG2	4	5.78
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG3	4	5.78
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG2	4	5.78
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG3	4	5.78
(1,560)	1:A:91:LEU:HA	1:A:66:LYS:HE2	7	5.78
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE2	7	5.78
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE3	7	5.78
(1,560)	1:B:91:LEU:HA	1:A:66:LYS:HE2	7	5.78
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE2	7	5.78
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE3	7	5.78
(1,537)	1:A:91:LEU:H	1:A:66:LYS:HE2	3	5.78
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE2	3	5.78
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE3	3	5.78
(1,537)	1:B:91:LEU:H	1:A:66:LYS:HE2	3	5.78
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE2	3	5.78
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE3	3	5.78
(1,537)	1:A:91:LEU:H	1:A:66:LYS:HE2	12	5.78
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE2	12	5.78
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE3	12	5.78
(1,537)	1:B:91:LEU:H	1:A:66:LYS:HE2	12	5.78
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE2	12	5.78
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE3	12	5.78
(1,503)	1:A:65:LEU:HA	1:A:69:SER:H	6	5.78
(1,503)	1:A:65:LEU:HA	1:B:69:SER:H	6	5.78
(1,503)	1:B:65:LEU:HA	1:A:69:SER:H	6	5.78
(1,503)	1:B:65:LEU:HA	1:B:69:SER:H	6	5.78
(1,503)	1:A:65:LEU:HA	1:A:69:SER:H	8	5.78
(1,503)	1:A:65:LEU:HA	1:B:69:SER:H	8	5.78
(1,503)	1:B:65:LEU:HA	1:A:69:SER:H	8	5.78
(1,503)	1:B:65:LEU:HA	1:B:69:SER:H	8	5.78
(1,546)	1:A:88:LEU:HA	1:A:66:LYS:HE2	3	5.77
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE2	3	5.77
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE3	3	5.77
(1,546)	1:B:88:LEU:HA	1:A:66:LYS:HE2	3	5.77
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE2	3	5.77
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE3	3	5.77
(1,940)	1:A:78:ALA:H	1:A:74:LYS:O	20	5.76
(1,940)	1:A:78:ALA:H	1:B:74:LYS:O	20	5.76
(1,940)	1:B:78:ALA:H	1:A:74:LYS:O	20	5.76
(1,940)	1:B:78:ALA:H	1:B:74:LYS:O	20	5.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:A:87:HIS:HD1	1:A:72:HIS:HA	11	5.76
(1,840)	1:A:87:HIS:HD1	1:B:72:HIS:HA	11	5.76
(1,840)	1:A:87:HIS:HD2	1:A:72:HIS:HA	11	5.76
(1,840)	1:A:87:HIS:HD2	1:B:72:HIS:HA	11	5.76
(1,840)	1:B:87:HIS:HD1	1:A:72:HIS:HA	11	5.76
(1,840)	1:B:87:HIS:HD1	1:B:72:HIS:HA	11	5.76
(1,840)	1:B:87:HIS:HD2	1:A:72:HIS:HA	11	5.76
(1,840)	1:B:87:HIS:HD2	1:B:72:HIS:HA	11	5.76
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE21	2	5.76
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE22	2	5.76
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE21	2	5.76
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE22	2	5.76
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE21	2	5.76
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE22	2	5.76
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE21	2	5.76
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE22	2	5.76
(1,615)	1:A:91:LEU:HG	1:A:66:LYS:HE2	3	5.76
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE2	3	5.76
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE3	3	5.76
(1,615)	1:B:91:LEU:HG	1:A:66:LYS:HE2	3	5.76
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE2	3	5.76
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE3	3	5.76
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG2	13	5.76
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG3	13	5.76
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG2	13	5.76
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG3	13	5.76
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG2	13	5.76
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG3	13	5.76
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG2	13	5.76
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG3	13	5.76
(1,537)	1:A:91:LEU:H	1:A:66:LYS:HE2	15	5.76
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE2	15	5.76
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE3	15	5.76
(1,537)	1:B:91:LEU:H	1:A:66:LYS:HE2	15	5.76
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE2	15	5.76
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE3	15	5.76
(1,503)	1:A:65:LEU:HA	1:A:69:SER:H	9	5.76
(1,503)	1:A:65:LEU:HA	1:B:69:SER:H	9	5.76
(1,503)	1:B:65:LEU:HA	1:A:69:SER:H	9	5.76
(1,503)	1:B:65:LEU:HA	1:B:69:SER:H	9	5.76
(1,228)	1:A:76:GLU:HB2	1:A:51:ASN:HD22	3	5.76
(1,228)	1:A:76:GLU:HB2	1:B:51:ASN:HD22	3	5.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	3	5.76
(1,228)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	3	5.76
(1,228)	1:B:76:GLU:HB2	1:A:51:ASN:HD22	3	5.76
(1,228)	1:B:76:GLU:HB2	1:B:51:ASN:HD22	3	5.76
(1,228)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	3	5.76
(1,228)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	3	5.76
(1,228)	1:A:76:GLU:HB2	1:A:51:ASN:HD22	12	5.75
(1,228)	1:A:76:GLU:HB2	1:B:51:ASN:HD22	12	5.75
(1,228)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	12	5.75
(1,228)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	12	5.75
(1,228)	1:B:76:GLU:HB2	1:A:51:ASN:HD22	12	5.75
(1,228)	1:B:76:GLU:HB2	1:B:51:ASN:HD22	12	5.75
(1,228)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	12	5.75
(1,228)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	12	5.75
(1,228)	1:A:76:GLU:HB2	1:A:51:ASN:HD22	19	5.75
(1,228)	1:A:76:GLU:HB2	1:B:51:ASN:HD22	19	5.75
(1,228)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	19	5.75
(1,228)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	19	5.75
(1,228)	1:B:76:GLU:HB2	1:A:51:ASN:HD22	19	5.75
(1,228)	1:B:76:GLU:HB2	1:B:51:ASN:HD22	19	5.75
(1,228)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	19	5.75
(1,228)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	19	5.75
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	9	5.74
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	9	5.74
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	9	5.74
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	9	5.74
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	9	5.74
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	9	5.74
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	9	5.74
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	9	5.74
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE21	7	5.74
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE22	7	5.74
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE21	7	5.74
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE22	7	5.74
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE21	7	5.74
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE22	7	5.74
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE21	7	5.74
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE22	7	5.74
(1,503)	1:A:65:LEU:HA	1:A:69:SER:H	4	5.74
(1,503)	1:A:65:LEU:HA	1:B:69:SER:H	4	5.74
(1,503)	1:B:65:LEU:HA	1:A:69:SER:H	4	5.74
(1,503)	1:B:65:LEU:HA	1:B:69:SER:H	4	5.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:A:76:GLU:HB2	1:A:51:ASN:HD21	15	5.74
(1,216)	1:A:76:GLU:HB2	1:B:51:ASN:HD21	15	5.74
(1,216)	1:A:76:GLU:HB3	1:A:51:ASN:HD21	15	5.74
(1,216)	1:A:76:GLU:HB3	1:B:51:ASN:HD21	15	5.74
(1,216)	1:B:76:GLU:HB2	1:A:51:ASN:HD21	15	5.74
(1,216)	1:B:76:GLU:HB2	1:B:51:ASN:HD21	15	5.74
(1,216)	1:B:76:GLU:HB3	1:A:51:ASN:HD21	15	5.74
(1,216)	1:B:76:GLU:HB3	1:B:51:ASN:HD21	15	5.74
(1,725)	1:A:75:LEU:HA	1:A:50:ILE:HG21	13	5.73
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG21	13	5.73
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG22	13	5.73
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG23	13	5.73
(1,725)	1:B:75:LEU:HA	1:A:50:ILE:HG21	13	5.73
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG21	13	5.73
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG22	13	5.73
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG23	13	5.73
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG2	11	5.73
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG3	11	5.73
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG2	11	5.73
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG3	11	5.73
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG2	11	5.73
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG3	11	5.73
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG2	11	5.73
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG3	11	5.73
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE21	6	5.72
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE22	6	5.72
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE21	6	5.72
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE22	6	5.72
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE21	6	5.72
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE22	6	5.72
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE21	6	5.72
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE22	6	5.72
(1,560)	1:A:91:LEU:HA	1:A:66:LYS:HE2	18	5.72
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE2	18	5.72
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE3	18	5.72
(1,560)	1:B:91:LEU:HA	1:A:66:LYS:HE2	18	5.72
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE2	18	5.72
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE3	18	5.72
(1,557)	1:A:89:ARG:HA	1:A:66:LYS:HE2	2	5.72
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE2	2	5.72
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE3	2	5.72
(1,557)	1:B:89:ARG:HA	1:A:66:LYS:HE2	2	5.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE2	2	5.72
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE3	2	5.72
(1,228)	1:A:76:GLU:HB2	1:A:51:ASN:HD22	6	5.72
(1,228)	1:A:76:GLU:HB2	1:B:51:ASN:HD22	6	5.72
(1,228)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	6	5.72
(1,228)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	6	5.72
(1,228)	1:B:76:GLU:HB2	1:A:51:ASN:HD22	6	5.72
(1,228)	1:B:76:GLU:HB2	1:B:51:ASN:HD22	6	5.72
(1,228)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	6	5.72
(1,228)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	6	5.72
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE21	11	5.71
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE22	11	5.71
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE21	11	5.71
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE22	11	5.71
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE21	11	5.71
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE22	11	5.71
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE21	11	5.71
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE22	11	5.71
(1,228)	1:A:76:GLU:HB2	1:A:51:ASN:HD22	9	5.71
(1,228)	1:A:76:GLU:HB2	1:B:51:ASN:HD22	9	5.71
(1,228)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	9	5.71
(1,228)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	9	5.71
(1,228)	1:B:76:GLU:HB2	1:A:51:ASN:HD22	9	5.71
(1,228)	1:B:76:GLU:HB2	1:B:51:ASN:HD22	9	5.71
(1,228)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	9	5.71
(1,228)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	9	5.71
(1,925)	1:A:69:SER:H	1:A:65:LEU:O	17	5.7
(1,925)	1:A:69:SER:H	1:B:65:LEU:O	17	5.7
(1,925)	1:B:69:SER:H	1:A:65:LEU:O	17	5.7
(1,925)	1:B:69:SER:H	1:B:65:LEU:O	17	5.7
(1,615)	1:A:91:LEU:HG	1:A:66:LYS:HE2	7	5.7
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE2	7	5.7
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE3	7	5.7
(1,615)	1:B:91:LEU:HG	1:A:66:LYS:HE2	7	5.7
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE2	7	5.7
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE3	7	5.7
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	2	5.69
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	2	5.69
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	2	5.69
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	2	5.69
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	2	5.69
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	2	5.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	2	5.69
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	2	5.69
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	15	5.69
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	15	5.69
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	15	5.69
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	15	5.69
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	15	5.69
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	15	5.69
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	15	5.69
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	15	5.69
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE21	18	5.69
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE22	18	5.69
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE21	18	5.69
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE22	18	5.69
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE21	18	5.69
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE22	18	5.69
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE21	18	5.69
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE22	18	5.69
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG2	18	5.69
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG3	18	5.69
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG2	18	5.69
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG3	18	5.69
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG2	18	5.69
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG3	18	5.69
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG2	18	5.69
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG3	18	5.69
(1,503)	1:A:65:LEU:HA	1:A:69:SER:H	7	5.69
(1,503)	1:A:65:LEU:HA	1:B:69:SER:H	7	5.69
(1,503)	1:B:65:LEU:HA	1:A:69:SER:H	7	5.69
(1,503)	1:B:65:LEU:HA	1:B:69:SER:H	7	5.69
(1,216)	1:A:76:GLU:HB2	1:A:51:ASN:HD21	6	5.69
(1,216)	1:A:76:GLU:HB2	1:B:51:ASN:HD21	6	5.69
(1,216)	1:A:76:GLU:HB3	1:A:51:ASN:HD21	6	5.69
(1,216)	1:A:76:GLU:HB3	1:B:51:ASN:HD21	6	5.69
(1,216)	1:B:76:GLU:HB2	1:A:51:ASN:HD21	6	5.69
(1,216)	1:B:76:GLU:HB2	1:B:51:ASN:HD21	6	5.69
(1,216)	1:B:76:GLU:HB3	1:A:51:ASN:HD21	6	5.69
(1,216)	1:B:76:GLU:HB3	1:B:51:ASN:HD21	6	5.69
(1,725)	1:A:75:LEU:HA	1:A:50:ILE:HG21	16	5.68
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG21	16	5.68
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG22	16	5.68
(1,725)	1:A:75:LEU:HA	1:B:50:ILE:HG23	16	5.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:B:75:LEU:HA	1:A:50:ILE:HG21	16	5.68
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG21	16	5.68
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG22	16	5.68
(1,725)	1:B:75:LEU:HA	1:B:50:ILE:HG23	16	5.68
(1,642)	1:A:79:ASP:HB3	1:A:54:LEU:HD11	6	5.68
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD11	6	5.68
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD12	6	5.68
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD13	6	5.68
(1,642)	1:B:79:ASP:HB3	1:A:54:LEU:HD11	6	5.68
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD11	6	5.68
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD12	6	5.68
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD13	6	5.68
(1,503)	1:A:65:LEU:HA	1:A:69:SER:H	5	5.68
(1,503)	1:A:65:LEU:HA	1:B:69:SER:H	5	5.68
(1,503)	1:B:65:LEU:HA	1:A:69:SER:H	5	5.68
(1,503)	1:B:65:LEU:HA	1:B:69:SER:H	5	5.68
(1,216)	1:A:76:GLU:HB2	1:A:51:ASN:HD21	10	5.68
(1,216)	1:A:76:GLU:HB2	1:B:51:ASN:HD21	10	5.68
(1,216)	1:A:76:GLU:HB3	1:A:51:ASN:HD21	10	5.68
(1,216)	1:A:76:GLU:HB3	1:B:51:ASN:HD21	10	5.68
(1,216)	1:B:76:GLU:HB2	1:A:51:ASN:HD21	10	5.68
(1,216)	1:B:76:GLU:HB2	1:B:51:ASN:HD21	10	5.68
(1,216)	1:B:76:GLU:HB3	1:A:51:ASN:HD21	10	5.68
(1,216)	1:B:76:GLU:HB3	1:B:51:ASN:HD21	10	5.68
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG2	14	5.67
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG3	14	5.67
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG2	14	5.67
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG3	14	5.67
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG2	14	5.67
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG3	14	5.67
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG2	14	5.67
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG3	14	5.67
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG2	19	5.67
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG3	19	5.67
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG2	19	5.67
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG3	19	5.67
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG2	19	5.67
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG3	19	5.67
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG2	19	5.67
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG3	19	5.67
(1,546)	1:A:88:LEU:HA	1:A:66:LYS:HE2	7	5.67
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE2	7	5.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE3	7	5.67
(1,546)	1:B:88:LEU:HA	1:A:66:LYS:HE2	7	5.67
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE2	7	5.67
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE3	7	5.67
(1,503)	1:A:65:LEU:HA	1:A:69:SER:H	15	5.67
(1,503)	1:A:65:LEU:HA	1:B:69:SER:H	15	5.67
(1,503)	1:B:65:LEU:HA	1:A:69:SER:H	15	5.67
(1,503)	1:B:65:LEU:HA	1:B:69:SER:H	15	5.67
(1,927)	1:A:70:SER:H	1:A:66:LYS:O	13	5.66
(1,927)	1:A:70:SER:H	1:B:66:LYS:O	13	5.66
(1,927)	1:B:70:SER:H	1:A:66:LYS:O	13	5.66
(1,927)	1:B:70:SER:H	1:B:66:LYS:O	13	5.66
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE21	9	5.66
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE22	9	5.66
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE21	9	5.66
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE22	9	5.66
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE21	9	5.66
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE22	9	5.66
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE21	9	5.66
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE22	9	5.66
(1,560)	1:A:91:LEU:HA	1:A:66:LYS:HE2	20	5.66
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE2	20	5.66
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE3	20	5.66
(1,560)	1:B:91:LEU:HA	1:A:66:LYS:HE2	20	5.66
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE2	20	5.66
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE3	20	5.66
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE21	16	5.65
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE22	16	5.65
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE21	16	5.65
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE22	16	5.65
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE21	16	5.65
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE22	16	5.65
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE21	16	5.65
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE22	16	5.65
(1,216)	1:A:76:GLU:HB2	1:A:51:ASN:HD21	12	5.65
(1,216)	1:A:76:GLU:HB2	1:B:51:ASN:HD21	12	5.65
(1,216)	1:A:76:GLU:HB3	1:A:51:ASN:HD21	12	5.65
(1,216)	1:A:76:GLU:HB3	1:B:51:ASN:HD21	12	5.65
(1,216)	1:B:76:GLU:HB2	1:A:51:ASN:HD21	12	5.65
(1,216)	1:B:76:GLU:HB2	1:B:51:ASN:HD21	12	5.65
(1,216)	1:B:76:GLU:HB3	1:A:51:ASN:HD21	12	5.65
(1,216)	1:B:76:GLU:HB3	1:B:51:ASN:HD21	12	5.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:A:76:GLU:HB2	1:A:51:ASN:HD21	13	5.65
(1,216)	1:A:76:GLU:HB2	1:B:51:ASN:HD21	13	5.65
(1,216)	1:A:76:GLU:HB3	1:A:51:ASN:HD21	13	5.65
(1,216)	1:A:76:GLU:HB3	1:B:51:ASN:HD21	13	5.65
(1,216)	1:B:76:GLU:HB2	1:A:51:ASN:HD21	13	5.65
(1,216)	1:B:76:GLU:HB2	1:B:51:ASN:HD21	13	5.65
(1,216)	1:B:76:GLU:HB3	1:A:51:ASN:HD21	13	5.65
(1,216)	1:B:76:GLU:HB3	1:B:51:ASN:HD21	13	5.65
(1,927)	1:A:70:SER:H	1:A:66:LYS:O	11	5.64
(1,927)	1:A:70:SER:H	1:B:66:LYS:O	11	5.64
(1,927)	1:B:70:SER:H	1:A:66:LYS:O	11	5.64
(1,927)	1:B:70:SER:H	1:B:66:LYS:O	11	5.64
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE21	10	5.64
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE22	10	5.64
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE21	10	5.64
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE22	10	5.64
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE21	10	5.64
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE22	10	5.64
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE21	10	5.64
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE22	10	5.64
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE21	17	5.64
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE22	17	5.64
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE21	17	5.64
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE22	17	5.64
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE21	17	5.64
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE22	17	5.64
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE21	17	5.64
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE22	17	5.64
(1,503)	1:A:65:LEU:HA	1:A:69:SER:H	1	5.64
(1,503)	1:A:65:LEU:HA	1:B:69:SER:H	1	5.64
(1,503)	1:B:65:LEU:HA	1:A:69:SER:H	1	5.64
(1,503)	1:B:65:LEU:HA	1:B:69:SER:H	1	5.64
(1,228)	1:A:76:GLU:HB2	1:A:51:ASN:HD22	16	5.64
(1,228)	1:A:76:GLU:HB2	1:B:51:ASN:HD22	16	5.64
(1,228)	1:A:76:GLU:HB3	1:A:51:ASN:HD22	16	5.64
(1,228)	1:A:76:GLU:HB3	1:B:51:ASN:HD22	16	5.64
(1,228)	1:B:76:GLU:HB2	1:A:51:ASN:HD22	16	5.64
(1,228)	1:B:76:GLU:HB2	1:B:51:ASN:HD22	16	5.64
(1,228)	1:B:76:GLU:HB3	1:A:51:ASN:HD22	16	5.64
(1,228)	1:B:76:GLU:HB3	1:B:51:ASN:HD22	16	5.64
(1,536)	1:A:89:ARG:H	1:A:66:LYS:HE2	19	5.63
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE2	19	5.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,536)	1:A:89:ARG:H	1:B:66:LYS:HE3	19	5.63
(1,536)	1:B:89:ARG:H	1:A:66:LYS:HE2	19	5.63
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE2	19	5.63
(1,536)	1:B:89:ARG:H	1:B:66:LYS:HE3	19	5.63
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	6	5.62
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	6	5.62
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	6	5.62
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	6	5.62
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	6	5.62
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	6	5.62
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	6	5.62
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	6	5.62
(1,615)	1:A:91:LEU:HG	1:A:66:LYS:HE2	2	5.62
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE2	2	5.62
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE3	2	5.62
(1,615)	1:B:91:LEU:HG	1:A:66:LYS:HE2	2	5.62
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE2	2	5.62
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE3	2	5.62
(1,503)	1:A:65:LEU:HA	1:A:69:SER:H	10	5.62
(1,503)	1:A:65:LEU:HA	1:B:69:SER:H	10	5.62
(1,503)	1:B:65:LEU:HA	1:A:69:SER:H	10	5.62
(1,503)	1:B:65:LEU:HA	1:B:69:SER:H	10	5.62
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	1	5.6
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	1	5.6
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	1	5.6
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	1	5.6
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	1	5.6
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	1	5.6
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	1	5.6
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	1	5.6
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE21	1	5.6
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE22	1	5.6
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE21	1	5.6
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE22	1	5.6
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE21	1	5.6
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE22	1	5.6
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE21	1	5.6
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE22	1	5.6
(1,557)	1:A:89:ARG:HA	1:A:66:LYS:HE2	20	5.6
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE2	20	5.6
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE3	20	5.6
(1,557)	1:B:89:ARG:HA	1:A:66:LYS:HE2	20	5.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE2	20	5.6
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE3	20	5.6
(1,537)	1:A:91:LEU:H	1:A:66:LYS:HE2	7	5.6
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE2	7	5.6
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE3	7	5.6
(1,537)	1:B:91:LEU:H	1:A:66:LYS:HE2	7	5.6
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE2	7	5.6
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE3	7	5.6
(1,216)	1:A:76:GLU:HB2	1:A:51:ASN:HD21	20	5.6
(1,216)	1:A:76:GLU:HB2	1:B:51:ASN:HD21	20	5.6
(1,216)	1:A:76:GLU:HB3	1:A:51:ASN:HD21	20	5.6
(1,216)	1:A:76:GLU:HB3	1:B:51:ASN:HD21	20	5.6
(1,216)	1:B:76:GLU:HB2	1:A:51:ASN:HD21	20	5.6
(1,216)	1:B:76:GLU:HB2	1:B:51:ASN:HD21	20	5.6
(1,216)	1:B:76:GLU:HB3	1:A:51:ASN:HD21	20	5.6
(1,216)	1:B:76:GLU:HB3	1:B:51:ASN:HD21	20	5.6
(1,939)	1:A:77:LYS:N	1:A:73:SER:O	20	5.59
(1,939)	1:A:77:LYS:N	1:B:73:SER:O	20	5.59
(1,939)	1:B:77:LYS:N	1:A:73:SER:O	20	5.59
(1,939)	1:B:77:LYS:N	1:B:73:SER:O	20	5.59
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE21	14	5.59
(1,664)	1:A:86:LYS:HG2	1:A:92:GLN:HE22	14	5.59
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE21	14	5.59
(1,664)	1:A:86:LYS:HG2	1:B:92:GLN:HE22	14	5.59
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE21	14	5.59
(1,664)	1:B:86:LYS:HG2	1:A:92:GLN:HE22	14	5.59
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE21	14	5.59
(1,664)	1:B:86:LYS:HG2	1:B:92:GLN:HE22	14	5.59
(1,615)	1:A:91:LEU:HG	1:A:66:LYS:HE2	20	5.59
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE2	20	5.59
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE3	20	5.59
(1,615)	1:B:91:LEU:HG	1:A:66:LYS:HE2	20	5.59
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE2	20	5.59
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE3	20	5.59
(1,927)	1:A:70:SER:H	1:A:66:LYS:O	16	5.58
(1,927)	1:A:70:SER:H	1:B:66:LYS:O	16	5.58
(1,927)	1:B:70:SER:H	1:A:66:LYS:O	16	5.58
(1,927)	1:B:70:SER:H	1:B:66:LYS:O	16	5.58
(1,216)	1:A:76:GLU:HB2	1:A:51:ASN:HD21	14	5.58
(1,216)	1:A:76:GLU:HB2	1:B:51:ASN:HD21	14	5.58
(1,216)	1:A:76:GLU:HB3	1:A:51:ASN:HD21	14	5.58
(1,216)	1:A:76:GLU:HB3	1:B:51:ASN:HD21	14	5.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:B:76:GLU:HB2	1:A:51:ASN:HD21	14	5.58
(1,216)	1:B:76:GLU:HB2	1:B:51:ASN:HD21	14	5.58
(1,216)	1:B:76:GLU:HB3	1:A:51:ASN:HD21	14	5.58
(1,216)	1:B:76:GLU:HB3	1:B:51:ASN:HD21	14	5.58
(1,927)	1:A:70:SER:H	1:A:66:LYS:O	20	5.57
(1,927)	1:A:70:SER:H	1:B:66:LYS:O	20	5.57
(1,927)	1:B:70:SER:H	1:A:66:LYS:O	20	5.57
(1,927)	1:B:70:SER:H	1:B:66:LYS:O	20	5.57
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG2	9	5.57
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG3	9	5.57
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG2	9	5.57
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG3	9	5.57
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG2	9	5.57
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG3	9	5.57
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG2	9	5.57
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG3	9	5.57
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG2	12	5.57
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG3	12	5.57
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG2	12	5.57
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG3	12	5.57
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG2	12	5.57
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG3	12	5.57
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG2	12	5.57
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG3	12	5.57
(1,650)	1:A:79:ASP:HB2	1:A:54:LEU:HD11	12	5.56
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD11	12	5.56
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD12	12	5.56
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD13	12	5.56
(1,650)	1:B:79:ASP:HB2	1:A:54:LEU:HD11	12	5.56
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD11	12	5.56
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD12	12	5.56
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD13	12	5.56
(1,537)	1:A:91:LEU:H	1:A:66:LYS:HE2	2	5.56
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE2	2	5.56
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE3	2	5.56
(1,537)	1:B:91:LEU:H	1:A:66:LYS:HE2	2	5.56
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE2	2	5.56
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE3	2	5.56
(1,537)	1:A:91:LEU:H	1:A:66:LYS:HE2	20	5.56
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE2	20	5.56
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE3	20	5.56
(1,537)	1:B:91:LEU:H	1:A:66:LYS:HE2	20	5.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE2	20	5.56
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE3	20	5.56
(1,537)	1:A:91:LEU:H	1:A:66:LYS:HE2	18	5.55
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE2	18	5.55
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE3	18	5.55
(1,537)	1:B:91:LEU:H	1:A:66:LYS:HE2	18	5.55
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE2	18	5.55
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE3	18	5.55
(1,216)	1:A:76:GLU:HB2	1:A:51:ASN:HD21	19	5.55
(1,216)	1:A:76:GLU:HB2	1:B:51:ASN:HD21	19	5.55
(1,216)	1:A:76:GLU:HB3	1:A:51:ASN:HD21	19	5.55
(1,216)	1:A:76:GLU:HB3	1:B:51:ASN:HD21	19	5.55
(1,216)	1:B:76:GLU:HB2	1:A:51:ASN:HD21	19	5.55
(1,216)	1:B:76:GLU:HB2	1:B:51:ASN:HD21	19	5.55
(1,216)	1:B:76:GLU:HB3	1:A:51:ASN:HD21	19	5.55
(1,216)	1:B:76:GLU:HB3	1:B:51:ASN:HD21	19	5.55
(1,216)	1:A:76:GLU:HB2	1:A:51:ASN:HD21	11	5.54
(1,216)	1:A:76:GLU:HB2	1:B:51:ASN:HD21	11	5.54
(1,216)	1:A:76:GLU:HB3	1:A:51:ASN:HD21	11	5.54
(1,216)	1:A:76:GLU:HB3	1:B:51:ASN:HD21	11	5.54
(1,216)	1:B:76:GLU:HB2	1:A:51:ASN:HD21	11	5.54
(1,216)	1:B:76:GLU:HB2	1:B:51:ASN:HD21	11	5.54
(1,216)	1:B:76:GLU:HB3	1:A:51:ASN:HD21	11	5.54
(1,216)	1:B:76:GLU:HB3	1:B:51:ASN:HD21	11	5.54
(1,939)	1:A:77:LYS:N	1:A:73:SER:O	3	5.53
(1,939)	1:A:77:LYS:N	1:B:73:SER:O	3	5.53
(1,939)	1:B:77:LYS:N	1:A:73:SER:O	3	5.53
(1,939)	1:B:77:LYS:N	1:B:73:SER:O	3	5.53
(1,650)	1:A:79:ASP:HB2	1:A:54:LEU:HD11	1	5.53
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD11	1	5.53
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD12	1	5.53
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD13	1	5.53
(1,650)	1:B:79:ASP:HB2	1:A:54:LEU:HD11	1	5.53
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD11	1	5.53
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD12	1	5.53
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD13	1	5.53
(1,615)	1:A:91:LEU:HG	1:A:66:LYS:HE2	18	5.52
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE2	18	5.52
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE3	18	5.52
(1,615)	1:B:91:LEU:HG	1:A:66:LYS:HE2	18	5.52
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE2	18	5.52
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE3	18	5.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,546)	1:A:88:LEU:HA	1:A:66:LYS:HE2	18	5.52
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE2	18	5.52
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE3	18	5.52
(1,546)	1:B:88:LEU:HA	1:A:66:LYS:HE2	18	5.52
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE2	18	5.52
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE3	18	5.52
(1,927)	1:A:70:SER:H	1:A:66:LYS:O	12	5.51
(1,927)	1:A:70:SER:H	1:B:66:LYS:O	12	5.51
(1,927)	1:B:70:SER:H	1:A:66:LYS:O	12	5.51
(1,927)	1:B:70:SER:H	1:B:66:LYS:O	12	5.51
(1,939)	1:A:77:LYS:N	1:A:73:SER:O	10	5.5
(1,939)	1:A:77:LYS:N	1:B:73:SER:O	10	5.5
(1,939)	1:B:77:LYS:N	1:A:73:SER:O	10	5.5
(1,939)	1:B:77:LYS:N	1:B:73:SER:O	10	5.5
(1,940)	1:A:78:ALA:H	1:A:74:LYS:O	8	5.49
(1,940)	1:A:78:ALA:H	1:B:74:LYS:O	8	5.49
(1,940)	1:B:78:ALA:H	1:A:74:LYS:O	8	5.49
(1,940)	1:B:78:ALA:H	1:B:74:LYS:O	8	5.49
(1,927)	1:A:70:SER:H	1:A:66:LYS:O	14	5.49
(1,927)	1:A:70:SER:H	1:B:66:LYS:O	14	5.49
(1,927)	1:B:70:SER:H	1:A:66:LYS:O	14	5.49
(1,927)	1:B:70:SER:H	1:B:66:LYS:O	14	5.49
(1,546)	1:A:88:LEU:HA	1:A:66:LYS:HE2	20	5.49
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE2	20	5.49
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE3	20	5.49
(1,546)	1:B:88:LEU:HA	1:A:66:LYS:HE2	20	5.49
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE2	20	5.49
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE3	20	5.49
(1,216)	1:A:76:GLU:HB2	1:A:51:ASN:HD21	3	5.48
(1,216)	1:A:76:GLU:HB2	1:B:51:ASN:HD21	3	5.48
(1,216)	1:A:76:GLU:HB3	1:A:51:ASN:HD21	3	5.48
(1,216)	1:A:76:GLU:HB3	1:B:51:ASN:HD21	3	5.48
(1,216)	1:B:76:GLU:HB2	1:A:51:ASN:HD21	3	5.48
(1,216)	1:B:76:GLU:HB2	1:B:51:ASN:HD21	3	5.48
(1,216)	1:B:76:GLU:HB3	1:A:51:ASN:HD21	3	5.48
(1,216)	1:B:76:GLU:HB3	1:B:51:ASN:HD21	3	5.48
(1,927)	1:A:70:SER:H	1:A:66:LYS:O	2	5.46
(1,927)	1:A:70:SER:H	1:B:66:LYS:O	2	5.46
(1,927)	1:B:70:SER:H	1:A:66:LYS:O	2	5.46
(1,927)	1:B:70:SER:H	1:B:66:LYS:O	2	5.46
(1,927)	1:A:70:SER:H	1:A:66:LYS:O	9	5.46
(1,927)	1:A:70:SER:H	1:B:66:LYS:O	9	5.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,927)	1:B:70:SER:H	1:A:66:LYS:O	9	5.46
(1,927)	1:B:70:SER:H	1:B:66:LYS:O	9	5.46
(1,927)	1:A:70:SER:H	1:A:66:LYS:O	19	5.46
(1,927)	1:A:70:SER:H	1:B:66:LYS:O	19	5.46
(1,927)	1:B:70:SER:H	1:A:66:LYS:O	19	5.46
(1,927)	1:B:70:SER:H	1:B:66:LYS:O	19	5.46
(1,546)	1:A:88:LEU:HA	1:A:66:LYS:HE2	2	5.46
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE2	2	5.46
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE3	2	5.46
(1,546)	1:B:88:LEU:HA	1:A:66:LYS:HE2	2	5.46
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE2	2	5.46
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE3	2	5.46
(1,650)	1:A:79:ASP:HB2	1:A:54:LEU:HD11	17	5.45
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD11	17	5.45
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD12	17	5.45
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD13	17	5.45
(1,650)	1:B:79:ASP:HB2	1:A:54:LEU:HD11	17	5.45
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD11	17	5.45
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD12	17	5.45
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD13	17	5.45
(1,432)	1:A:90:ASN:HA	1:A:65:LEU:HG	12	5.45
(1,432)	1:A:90:ASN:HA	1:B:65:LEU:HG	12	5.45
(1,432)	1:B:90:ASN:HA	1:A:65:LEU:HG	12	5.45
(1,432)	1:B:90:ASN:HA	1:B:65:LEU:HG	12	5.45
(1,216)	1:A:76:GLU:HB2	1:A:51:ASN:HD21	8	5.45
(1,216)	1:A:76:GLU:HB2	1:B:51:ASN:HD21	8	5.45
(1,216)	1:A:76:GLU:HB3	1:A:51:ASN:HD21	8	5.45
(1,216)	1:A:76:GLU:HB3	1:B:51:ASN:HD21	8	5.45
(1,216)	1:B:76:GLU:HB2	1:A:51:ASN:HD21	8	5.45
(1,216)	1:B:76:GLU:HB2	1:B:51:ASN:HD21	8	5.45
(1,216)	1:B:76:GLU:HB3	1:A:51:ASN:HD21	8	5.45
(1,216)	1:B:76:GLU:HB3	1:B:51:ASN:HD21	8	5.45
(1,940)	1:A:78:ALA:H	1:A:74:LYS:O	17	5.44
(1,940)	1:A:78:ALA:H	1:B:74:LYS:O	17	5.44
(1,940)	1:B:78:ALA:H	1:A:74:LYS:O	17	5.44
(1,940)	1:B:78:ALA:H	1:B:74:LYS:O	17	5.44
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	2	5.44
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	2	5.44
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	2	5.44
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	2	5.44
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	2	5.44
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	2	5.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	2	5.44
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	2	5.44
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB2	5	5.43
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB3	5	5.43
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB2	5	5.43
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB3	5	5.43
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB2	5	5.43
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB3	5	5.43
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB2	5	5.43
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB3	5	5.43
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB2	5	5.43
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB3	5	5.43
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB2	5	5.43
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB3	5	5.43
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB2	5	5.43
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB3	5	5.43
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB2	5	5.43
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB3	5	5.43
(1,432)	1:A:90:ASN:HA	1:A:65:LEU:HG	15	5.43
(1,432)	1:A:90:ASN:HA	1:B:65:LEU:HG	15	5.43
(1,432)	1:B:90:ASN:HA	1:A:65:LEU:HG	15	5.43
(1,432)	1:B:90:ASN:HA	1:B:65:LEU:HG	15	5.43
(1,939)	1:A:77:LYS:N	1:A:73:SER:O	15	5.42
(1,939)	1:A:77:LYS:N	1:B:73:SER:O	15	5.42
(1,939)	1:B:77:LYS:N	1:A:73:SER:O	15	5.42
(1,939)	1:B:77:LYS:N	1:B:73:SER:O	15	5.42
(1,927)	1:A:70:SER:H	1:A:66:LYS:O	3	5.42
(1,927)	1:A:70:SER:H	1:B:66:LYS:O	3	5.42
(1,927)	1:B:70:SER:H	1:A:66:LYS:O	3	5.42
(1,927)	1:B:70:SER:H	1:B:66:LYS:O	3	5.42
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG2	2	5.42
(1,594)	1:A:73:SER:HB2	1:A:77:LYS:HG3	2	5.42
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG2	2	5.42
(1,594)	1:A:73:SER:HB2	1:B:77:LYS:HG3	2	5.42
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG2	2	5.42
(1,594)	1:A:73:SER:HB3	1:A:77:LYS:HG3	2	5.42
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG2	2	5.42
(1,594)	1:A:73:SER:HB3	1:B:77:LYS:HG3	2	5.42
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG2	2	5.42
(1,594)	1:B:73:SER:HB2	1:A:77:LYS:HG3	2	5.42
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG2	2	5.42
(1,594)	1:B:73:SER:HB2	1:B:77:LYS:HG3	2	5.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG2	2	5.42
(1,594)	1:B:73:SER:HB3	1:A:77:LYS:HG3	2	5.42
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG2	2	5.42
(1,594)	1:B:73:SER:HB3	1:B:77:LYS:HG3	2	5.42
(1,99)	1:A:66:LYS:HE2	1:A:92:GLN:H	9	5.41
(1,99)	1:A:66:LYS:HE2	1:B:92:GLN:H	9	5.41
(1,99)	1:B:66:LYS:HE2	1:A:92:GLN:H	9	5.41
(1,99)	1:B:66:LYS:HE2	1:B:92:GLN:H	9	5.41
(1,99)	1:B:66:LYS:HE3	1:A:92:GLN:H	9	5.41
(1,99)	1:B:66:LYS:HE3	1:B:92:GLN:H	9	5.41
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	15	5.39
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	15	5.39
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	15	5.39
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	15	5.39
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	15	5.39
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	15	5.39
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	15	5.39
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	15	5.39
(1,503)	1:A:65:LEU:HA	1:A:69:SER:H	17	5.39
(1,503)	1:A:65:LEU:HA	1:B:69:SER:H	17	5.39
(1,503)	1:B:65:LEU:HA	1:A:69:SER:H	17	5.39
(1,503)	1:B:65:LEU:HA	1:B:69:SER:H	17	5.39
(1,216)	1:A:76:GLU:HB2	1:A:51:ASN:HD21	9	5.38
(1,216)	1:A:76:GLU:HB2	1:B:51:ASN:HD21	9	5.38
(1,216)	1:A:76:GLU:HB3	1:A:51:ASN:HD21	9	5.38
(1,216)	1:A:76:GLU:HB3	1:B:51:ASN:HD21	9	5.38
(1,216)	1:B:76:GLU:HB2	1:A:51:ASN:HD21	9	5.38
(1,216)	1:B:76:GLU:HB2	1:B:51:ASN:HD21	9	5.38
(1,216)	1:B:76:GLU:HB3	1:A:51:ASN:HD21	9	5.38
(1,216)	1:B:76:GLU:HB3	1:B:51:ASN:HD21	9	5.38
(1,939)	1:A:77:LYS:N	1:A:73:SER:O	6	5.37
(1,939)	1:A:77:LYS:N	1:B:73:SER:O	6	5.37
(1,939)	1:B:77:LYS:N	1:A:73:SER:O	6	5.37
(1,939)	1:B:77:LYS:N	1:B:73:SER:O	6	5.37
(1,642)	1:A:79:ASP:HB3	1:A:54:LEU:HD11	2	5.37
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD11	2	5.37
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD12	2	5.37
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD13	2	5.37
(1,642)	1:B:79:ASP:HB3	1:A:54:LEU:HD11	2	5.37
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD11	2	5.37
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD12	2	5.37
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD13	2	5.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,642)	1:A:79:ASP:HB3	1:A:54:LEU:HD11	8	5.37
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD11	8	5.37
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD12	8	5.37
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD13	8	5.37
(1,642)	1:B:79:ASP:HB3	1:A:54:LEU:HD11	8	5.37
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD11	8	5.37
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD12	8	5.37
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD13	8	5.37
(1,99)	1:A:66:LYS:HE2	1:A:92:GLN:H	10	5.36
(1,99)	1:A:66:LYS:HE2	1:B:92:GLN:H	10	5.36
(1,99)	1:B:66:LYS:HE2	1:A:92:GLN:H	10	5.36
(1,99)	1:B:66:LYS:HE2	1:B:92:GLN:H	10	5.36
(1,99)	1:B:66:LYS:HE3	1:A:92:GLN:H	10	5.36
(1,99)	1:B:66:LYS:HE3	1:B:92:GLN:H	10	5.36
(1,939)	1:A:77:LYS:N	1:A:73:SER:O	17	5.36
(1,939)	1:A:77:LYS:N	1:B:73:SER:O	17	5.36
(1,939)	1:B:77:LYS:N	1:A:73:SER:O	17	5.36
(1,939)	1:B:77:LYS:N	1:B:73:SER:O	17	5.36
(1,939)	1:A:77:LYS:N	1:A:73:SER:O	5	5.35
(1,939)	1:A:77:LYS:N	1:B:73:SER:O	5	5.35
(1,939)	1:B:77:LYS:N	1:A:73:SER:O	5	5.35
(1,939)	1:B:77:LYS:N	1:B:73:SER:O	5	5.35
(1,926)	1:A:69:SER:N	1:A:65:LEU:O	11	5.34
(1,926)	1:A:69:SER:N	1:B:65:LEU:O	11	5.34
(1,926)	1:B:69:SER:N	1:A:65:LEU:O	11	5.34
(1,926)	1:B:69:SER:N	1:B:65:LEU:O	11	5.34
(1,216)	1:A:76:GLU:HB2	1:A:51:ASN:HD21	16	5.34
(1,216)	1:A:76:GLU:HB2	1:B:51:ASN:HD21	16	5.34
(1,216)	1:A:76:GLU:HB3	1:A:51:ASN:HD21	16	5.34
(1,216)	1:A:76:GLU:HB3	1:B:51:ASN:HD21	16	5.34
(1,216)	1:B:76:GLU:HB2	1:A:51:ASN:HD21	16	5.34
(1,216)	1:B:76:GLU:HB2	1:B:51:ASN:HD21	16	5.34
(1,216)	1:B:76:GLU:HB3	1:A:51:ASN:HD21	16	5.34
(1,216)	1:B:76:GLU:HB3	1:B:51:ASN:HD21	16	5.34
(1,650)	1:A:79:ASP:HB2	1:A:54:LEU:HD11	7	5.33
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD11	7	5.33
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD12	7	5.33
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD13	7	5.33
(1,650)	1:B:79:ASP:HB2	1:A:54:LEU:HD11	7	5.33
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD11	7	5.33
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD12	7	5.33
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD13	7	5.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,940)	1:A:78:ALA:H	1:A:74:LYS:O	5	5.32
(1,940)	1:A:78:ALA:H	1:B:74:LYS:O	5	5.32
(1,940)	1:B:78:ALA:H	1:A:74:LYS:O	5	5.32
(1,940)	1:B:78:ALA:H	1:B:74:LYS:O	5	5.32
(1,939)	1:A:77:LYS:N	1:A:73:SER:O	7	5.32
(1,939)	1:A:77:LYS:N	1:B:73:SER:O	7	5.32
(1,939)	1:B:77:LYS:N	1:A:73:SER:O	7	5.32
(1,939)	1:B:77:LYS:N	1:B:73:SER:O	7	5.32
(1,940)	1:A:78:ALA:H	1:A:74:LYS:O	3	5.31
(1,940)	1:A:78:ALA:H	1:B:74:LYS:O	3	5.31
(1,940)	1:B:78:ALA:H	1:A:74:LYS:O	3	5.31
(1,940)	1:B:78:ALA:H	1:B:74:LYS:O	3	5.31
(1,926)	1:A:69:SER:N	1:A:65:LEU:O	14	5.31
(1,926)	1:A:69:SER:N	1:B:65:LEU:O	14	5.31
(1,926)	1:B:69:SER:N	1:A:65:LEU:O	14	5.31
(1,926)	1:B:69:SER:N	1:B:65:LEU:O	14	5.31
(1,650)	1:A:79:ASP:HB2	1:A:54:LEU:HD11	14	5.29
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD11	14	5.29
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD12	14	5.29
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD13	14	5.29
(1,650)	1:B:79:ASP:HB2	1:A:54:LEU:HD11	14	5.29
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD11	14	5.29
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD12	14	5.29
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD13	14	5.29
(1,650)	1:A:79:ASP:HB2	1:A:54:LEU:HD11	15	5.29
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD11	15	5.29
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD12	15	5.29
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD13	15	5.29
(1,650)	1:B:79:ASP:HB2	1:A:54:LEU:HD11	15	5.29
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD11	15	5.29
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD12	15	5.29
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD13	15	5.29
(1,642)	1:A:79:ASP:HB3	1:A:54:LEU:HD11	14	5.29
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD11	14	5.29
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD12	14	5.29
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD13	14	5.29
(1,642)	1:B:79:ASP:HB3	1:A:54:LEU:HD11	14	5.29
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD11	14	5.29
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD12	14	5.29
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD13	14	5.29
(1,926)	1:A:69:SER:N	1:A:65:LEU:O	16	5.28
(1,926)	1:A:69:SER:N	1:B:65:LEU:O	16	5.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,926)	1:B:69:SER:N	1:A:65:LEU:O	16	5.28
(1,926)	1:B:69:SER:N	1:B:65:LEU:O	16	5.28
(1,926)	1:A:69:SER:N	1:A:65:LEU:O	20	5.28
(1,926)	1:A:69:SER:N	1:B:65:LEU:O	20	5.28
(1,926)	1:B:69:SER:N	1:A:65:LEU:O	20	5.28
(1,926)	1:B:69:SER:N	1:B:65:LEU:O	20	5.28
(1,524)	1:A:78:ALA:H	1:A:56:GLN:HG2	16	5.28
(1,524)	1:A:78:ALA:H	1:B:56:GLN:HG2	16	5.28
(1,524)	1:B:78:ALA:H	1:A:56:GLN:HG2	16	5.28
(1,524)	1:B:78:ALA:H	1:B:56:GLN:HG2	16	5.28
(1,927)	1:A:70:SER:H	1:A:66:LYS:O	6	5.27
(1,927)	1:A:70:SER:H	1:B:66:LYS:O	6	5.27
(1,927)	1:B:70:SER:H	1:A:66:LYS:O	6	5.27
(1,927)	1:B:70:SER:H	1:B:66:LYS:O	6	5.27
(1,927)	1:A:70:SER:H	1:A:66:LYS:O	4	5.26
(1,927)	1:A:70:SER:H	1:B:66:LYS:O	4	5.26
(1,927)	1:B:70:SER:H	1:A:66:LYS:O	4	5.26
(1,927)	1:B:70:SER:H	1:B:66:LYS:O	4	5.26
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	9	5.26
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	9	5.26
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	9	5.26
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	9	5.26
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	9	5.26
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	9	5.26
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	9	5.26
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	9	5.26
(1,650)	1:A:79:ASP:HB2	1:A:54:LEU:HD11	18	5.26
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD11	18	5.26
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD12	18	5.26
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD13	18	5.26
(1,650)	1:B:79:ASP:HB2	1:A:54:LEU:HD11	18	5.26
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD11	18	5.26
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD12	18	5.26
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD13	18	5.26
(1,840)	1:A:87:HIS:HD1	1:A:72:HIS:HA	20	5.25
(1,840)	1:A:87:HIS:HD1	1:B:72:HIS:HA	20	5.25
(1,840)	1:A:87:HIS:HD2	1:A:72:HIS:HA	20	5.25
(1,840)	1:A:87:HIS:HD2	1:B:72:HIS:HA	20	5.25
(1,840)	1:B:87:HIS:HD1	1:A:72:HIS:HA	20	5.25
(1,840)	1:B:87:HIS:HD1	1:B:72:HIS:HA	20	5.25
(1,840)	1:B:87:HIS:HD2	1:A:72:HIS:HA	20	5.25
(1,840)	1:B:87:HIS:HD2	1:B:72:HIS:HA	20	5.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:A:79:ASP:HB2	1:A:54:LEU:HD11	11	5.25
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD11	11	5.25
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD12	11	5.25
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD13	11	5.25
(1,650)	1:B:79:ASP:HB2	1:A:54:LEU:HD11	11	5.25
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD11	11	5.25
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD12	11	5.25
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD13	11	5.25
(1,99)	1:A:66:LYS:HE2	1:A:92:GLN:H	4	5.24
(1,99)	1:A:66:LYS:HE2	1:B:92:GLN:H	4	5.24
(1,99)	1:B:66:LYS:HE2	1:A:92:GLN:H	4	5.24
(1,99)	1:B:66:LYS:HE2	1:B:92:GLN:H	4	5.24
(1,99)	1:B:66:LYS:HE3	1:A:92:GLN:H	4	5.24
(1,99)	1:B:66:LYS:HE3	1:B:92:GLN:H	4	5.24
(1,927)	1:A:70:SER:H	1:A:66:LYS:O	5	5.24
(1,927)	1:A:70:SER:H	1:B:66:LYS:O	5	5.24
(1,927)	1:B:70:SER:H	1:A:66:LYS:O	5	5.24
(1,927)	1:B:70:SER:H	1:B:66:LYS:O	5	5.24
(1,650)	1:A:79:ASP:HB2	1:A:54:LEU:HD11	8	5.24
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD11	8	5.24
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD12	8	5.24
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD13	8	5.24
(1,650)	1:B:79:ASP:HB2	1:A:54:LEU:HD11	8	5.24
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD11	8	5.24
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD12	8	5.24
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD13	8	5.24
(1,524)	1:A:78:ALA:H	1:A:56:GLN:HG2	5	5.24
(1,524)	1:A:78:ALA:H	1:B:56:GLN:HG2	5	5.24
(1,524)	1:B:78:ALA:H	1:A:56:GLN:HG2	5	5.24
(1,524)	1:B:78:ALA:H	1:B:56:GLN:HG2	5	5.24
(1,940)	1:A:78:ALA:H	1:A:74:LYS:O	1	5.23
(1,940)	1:A:78:ALA:H	1:B:74:LYS:O	1	5.23
(1,940)	1:B:78:ALA:H	1:A:74:LYS:O	1	5.23
(1,940)	1:B:78:ALA:H	1:B:74:LYS:O	1	5.23
(1,940)	1:A:78:ALA:H	1:A:74:LYS:O	6	5.23
(1,940)	1:A:78:ALA:H	1:B:74:LYS:O	6	5.23
(1,940)	1:B:78:ALA:H	1:A:74:LYS:O	6	5.23
(1,940)	1:B:78:ALA:H	1:B:74:LYS:O	6	5.23
(1,939)	1:A:77:LYS:N	1:A:73:SER:O	13	5.23
(1,939)	1:A:77:LYS:N	1:B:73:SER:O	13	5.23
(1,939)	1:B:77:LYS:N	1:A:73:SER:O	13	5.23
(1,939)	1:B:77:LYS:N	1:B:73:SER:O	13	5.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,927)	1:A:70:SER:H	1:A:66:LYS:O	18	5.23
(1,927)	1:A:70:SER:H	1:B:66:LYS:O	18	5.23
(1,927)	1:B:70:SER:H	1:A:66:LYS:O	18	5.23
(1,927)	1:B:70:SER:H	1:B:66:LYS:O	18	5.23
(1,928)	1:A:70:SER:N	1:A:66:LYS:O	13	5.22
(1,928)	1:A:70:SER:N	1:B:66:LYS:O	13	5.22
(1,928)	1:B:70:SER:N	1:A:66:LYS:O	13	5.22
(1,928)	1:B:70:SER:N	1:B:66:LYS:O	13	5.22
(1,642)	1:A:79:ASP:HB3	1:A:54:LEU:HD11	19	5.22
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD11	19	5.22
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD12	19	5.22
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD13	19	5.22
(1,642)	1:B:79:ASP:HB3	1:A:54:LEU:HD11	19	5.22
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD11	19	5.22
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD12	19	5.22
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD13	19	5.22
(1,939)	1:A:77:LYS:N	1:A:73:SER:O	1	5.21
(1,939)	1:A:77:LYS:N	1:B:73:SER:O	1	5.21
(1,939)	1:B:77:LYS:N	1:A:73:SER:O	1	5.21
(1,939)	1:B:77:LYS:N	1:B:73:SER:O	1	5.21
(1,615)	1:A:91:LEU:HG	1:A:66:LYS:HE2	19	5.21
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE2	19	5.21
(1,615)	1:A:91:LEU:HG	1:B:66:LYS:HE3	19	5.21
(1,615)	1:B:91:LEU:HG	1:A:66:LYS:HE2	19	5.21
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE2	19	5.21
(1,615)	1:B:91:LEU:HG	1:B:66:LYS:HE3	19	5.21
(1,560)	1:A:91:LEU:HA	1:A:66:LYS:HE2	19	5.21
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE2	19	5.21
(1,560)	1:A:91:LEU:HA	1:B:66:LYS:HE3	19	5.21
(1,560)	1:B:91:LEU:HA	1:A:66:LYS:HE2	19	5.21
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE2	19	5.21
(1,560)	1:B:91:LEU:HA	1:B:66:LYS:HE3	19	5.21
(1,524)	1:A:78:ALA:H	1:A:56:GLN:HG2	10	5.21
(1,524)	1:A:78:ALA:H	1:B:56:GLN:HG2	10	5.21
(1,524)	1:B:78:ALA:H	1:A:56:GLN:HG2	10	5.21
(1,524)	1:B:78:ALA:H	1:B:56:GLN:HG2	10	5.21
(1,928)	1:A:70:SER:N	1:A:66:LYS:O	11	5.2
(1,928)	1:A:70:SER:N	1:B:66:LYS:O	11	5.2
(1,928)	1:B:70:SER:N	1:A:66:LYS:O	11	5.2
(1,928)	1:B:70:SER:N	1:B:66:LYS:O	11	5.2
(1,926)	1:A:69:SER:N	1:A:65:LEU:O	9	5.2
(1,926)	1:A:69:SER:N	1:B:65:LEU:O	9	5.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,926)	1:B:69:SER:N	1:A:65:LEU:O	9	5.2
(1,926)	1:B:69:SER:N	1:B:65:LEU:O	9	5.2
(1,926)	1:A:69:SER:N	1:A:65:LEU:O	13	5.2
(1,926)	1:A:69:SER:N	1:B:65:LEU:O	13	5.2
(1,926)	1:B:69:SER:N	1:A:65:LEU:O	13	5.2
(1,926)	1:B:69:SER:N	1:B:65:LEU:O	13	5.2
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	6	5.2
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	6	5.2
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	6	5.2
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	6	5.2
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	6	5.2
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	6	5.2
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	6	5.2
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	6	5.2
(1,537)	1:A:91:LEU:H	1:A:66:LYS:HE2	19	5.2
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE2	19	5.2
(1,537)	1:A:91:LEU:H	1:B:66:LYS:HE3	19	5.2
(1,537)	1:B:91:LEU:H	1:A:66:LYS:HE2	19	5.2
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE2	19	5.2
(1,537)	1:B:91:LEU:H	1:B:66:LYS:HE3	19	5.2
(1,642)	1:A:79:ASP:HB3	1:A:54:LEU:HD11	5	5.19
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD11	5	5.19
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD12	5	5.19
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD13	5	5.19
(1,642)	1:B:79:ASP:HB3	1:A:54:LEU:HD11	5	5.19
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD11	5	5.19
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD12	5	5.19
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD13	5	5.19
(1,926)	1:A:69:SER:N	1:A:65:LEU:O	3	5.18
(1,926)	1:A:69:SER:N	1:B:65:LEU:O	3	5.18
(1,926)	1:B:69:SER:N	1:A:65:LEU:O	3	5.18
(1,926)	1:B:69:SER:N	1:B:65:LEU:O	3	5.18
(1,926)	1:A:69:SER:N	1:A:65:LEU:O	19	5.18
(1,926)	1:A:69:SER:N	1:B:65:LEU:O	19	5.18
(1,926)	1:B:69:SER:N	1:A:65:LEU:O	19	5.18
(1,926)	1:B:69:SER:N	1:B:65:LEU:O	19	5.18
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	2	5.18
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	2	5.18
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	2	5.18
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	2	5.18
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	2	5.18
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	2	5.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	2	5.18
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	2	5.18
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	2	5.18
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	2	5.18
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	2	5.18
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	2	5.18
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	2	5.18
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	2	5.18
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	2	5.18
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	2	5.18
(1,940)	1:A:78:ALA:H	1:A:74:LYS:O	15	5.17
(1,940)	1:A:78:ALA:H	1:B:74:LYS:O	15	5.17
(1,940)	1:B:78:ALA:H	1:A:74:LYS:O	15	5.17
(1,940)	1:B:78:ALA:H	1:B:74:LYS:O	15	5.17
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	15	5.16
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	15	5.16
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	15	5.16
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	15	5.16
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	15	5.16
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	15	5.16
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	15	5.16
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	15	5.16
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	15	5.16
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	15	5.16
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	15	5.16
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	15	5.16
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	15	5.16
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	15	5.16
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	15	5.16
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	15	5.16
(1,524)	1:A:78:ALA:H	1:A:56:GLN:HG2	1	5.16
(1,524)	1:A:78:ALA:H	1:B:56:GLN:HG2	1	5.16
(1,524)	1:B:78:ALA:H	1:A:56:GLN:HG2	1	5.16
(1,524)	1:B:78:ALA:H	1:B:56:GLN:HG2	1	5.16
(1,99)	1:A:66:LYS:HE2	1:A:92:GLN:H	6	5.15
(1,99)	1:A:66:LYS:HE2	1:B:92:GLN:H	6	5.15
(1,99)	1:B:66:LYS:HE2	1:A:92:GLN:H	6	5.15
(1,99)	1:B:66:LYS:HE2	1:B:92:GLN:H	6	5.15
(1,99)	1:B:66:LYS:HE3	1:A:92:GLN:H	6	5.15
(1,99)	1:B:66:LYS:HE3	1:B:92:GLN:H	6	5.15
(1,928)	1:A:70:SER:N	1:A:66:LYS:O	16	5.15
(1,928)	1:A:70:SER:N	1:B:66:LYS:O	16	5.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,928)	1:B:70:SER:N	1:A:66:LYS:O	16	5.15
(1,928)	1:B:70:SER:N	1:B:66:LYS:O	16	5.15
(1,928)	1:A:70:SER:N	1:A:66:LYS:O	20	5.15
(1,928)	1:A:70:SER:N	1:B:66:LYS:O	20	5.15
(1,928)	1:B:70:SER:N	1:A:66:LYS:O	20	5.15
(1,928)	1:B:70:SER:N	1:B:66:LYS:O	20	5.15
(1,927)	1:A:70:SER:H	1:A:66:LYS:O	1	5.15
(1,927)	1:A:70:SER:H	1:B:66:LYS:O	1	5.15
(1,927)	1:B:70:SER:H	1:A:66:LYS:O	1	5.15
(1,927)	1:B:70:SER:H	1:B:66:LYS:O	1	5.15
(1,557)	1:A:89:ARG:HA	1:A:66:LYS:HE2	19	5.15
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE2	19	5.15
(1,557)	1:A:89:ARG:HA	1:B:66:LYS:HE3	19	5.15
(1,557)	1:B:89:ARG:HA	1:A:66:LYS:HE2	19	5.15
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE2	19	5.15
(1,557)	1:B:89:ARG:HA	1:B:66:LYS:HE3	19	5.15
(1,840)	1:A:87:HIS:HD1	1:A:72:HIS:HA	3	5.14
(1,840)	1:A:87:HIS:HD1	1:B:72:HIS:HA	3	5.14
(1,840)	1:A:87:HIS:HD2	1:A:72:HIS:HA	3	5.14
(1,840)	1:A:87:HIS:HD2	1:B:72:HIS:HA	3	5.14
(1,840)	1:B:87:HIS:HD1	1:A:72:HIS:HA	3	5.14
(1,840)	1:B:87:HIS:HD1	1:B:72:HIS:HA	3	5.14
(1,840)	1:B:87:HIS:HD2	1:A:72:HIS:HA	3	5.14
(1,840)	1:B:87:HIS:HD2	1:B:72:HIS:HA	3	5.14
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	11	5.14
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	11	5.14
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	11	5.14
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	11	5.14
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	11	5.14
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	11	5.14
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	11	5.14
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	11	5.14
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB2	13	5.13
(1,841)	1:A:87:HIS:HD1	1:A:72:HIS:HB3	13	5.13
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB2	13	5.13
(1,841)	1:A:87:HIS:HD1	1:B:72:HIS:HB3	13	5.13
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB2	13	5.13
(1,841)	1:A:87:HIS:HD2	1:A:72:HIS:HB3	13	5.13
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB2	13	5.13
(1,841)	1:A:87:HIS:HD2	1:B:72:HIS:HB3	13	5.13
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB2	13	5.13
(1,841)	1:B:87:HIS:HD1	1:A:72:HIS:HB3	13	5.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB2	13	5.13
(1,841)	1:B:87:HIS:HD1	1:B:72:HIS:HB3	13	5.13
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB2	13	5.13
(1,841)	1:B:87:HIS:HD2	1:A:72:HIS:HB3	13	5.13
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB2	13	5.13
(1,841)	1:B:87:HIS:HD2	1:B:72:HIS:HB3	13	5.13
(1,642)	1:A:79:ASP:HB3	1:A:54:LEU:HD11	16	5.13
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD11	16	5.13
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD12	16	5.13
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD13	16	5.13
(1,642)	1:B:79:ASP:HB3	1:A:54:LEU:HD11	16	5.13
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD11	16	5.13
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD12	16	5.13
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD13	16	5.13
(1,524)	1:A:78:ALA:H	1:A:56:GLN:HG2	6	5.13
(1,524)	1:A:78:ALA:H	1:B:56:GLN:HG2	6	5.13
(1,524)	1:B:78:ALA:H	1:A:56:GLN:HG2	6	5.13
(1,524)	1:B:78:ALA:H	1:B:56:GLN:HG2	6	5.13
(1,524)	1:A:78:ALA:H	1:A:56:GLN:HG2	19	5.13
(1,524)	1:A:78:ALA:H	1:B:56:GLN:HG2	19	5.13
(1,524)	1:B:78:ALA:H	1:A:56:GLN:HG2	19	5.13
(1,524)	1:B:78:ALA:H	1:B:56:GLN:HG2	19	5.13
(1,642)	1:A:79:ASP:HB3	1:A:54:LEU:HD11	13	5.12
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD11	13	5.12
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD12	13	5.12
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD13	13	5.12
(1,642)	1:B:79:ASP:HB3	1:A:54:LEU:HD11	13	5.12
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD11	13	5.12
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD12	13	5.12
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD13	13	5.12
(1,940)	1:A:78:ALA:H	1:A:74:LYS:O	16	5.11
(1,940)	1:A:78:ALA:H	1:B:74:LYS:O	16	5.11
(1,940)	1:B:78:ALA:H	1:A:74:LYS:O	16	5.11
(1,940)	1:B:78:ALA:H	1:B:74:LYS:O	16	5.11
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	9	5.11
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	9	5.11
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	9	5.11
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	9	5.11
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	9	5.11
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	9	5.11
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	9	5.11
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	9	5.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	9	5.11
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	9	5.11
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	9	5.11
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	9	5.11
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	9	5.11
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	9	5.11
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	9	5.11
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	9	5.11
(1,650)	1:A:79:ASP:HB2	1:A:54:LEU:HD11	5	5.11
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD11	5	5.11
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD12	5	5.11
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD13	5	5.11
(1,650)	1:B:79:ASP:HB2	1:A:54:LEU:HD11	5	5.11
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD11	5	5.11
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD12	5	5.11
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD13	5	5.11
(1,524)	1:A:78:ALA:H	1:A:56:GLN:HG2	14	5.11
(1,524)	1:A:78:ALA:H	1:B:56:GLN:HG2	14	5.11
(1,524)	1:B:78:ALA:H	1:A:56:GLN:HG2	14	5.11
(1,524)	1:B:78:ALA:H	1:B:56:GLN:HG2	14	5.11
(1,460)	1:A:73:SER:HA	1:A:76:GLU:HB2	1	5.11
(1,460)	1:A:73:SER:HA	1:B:76:GLU:HB2	1	5.11
(1,460)	1:B:73:SER:HA	1:A:76:GLU:HB2	1	5.11
(1,460)	1:B:73:SER:HA	1:B:76:GLU:HB2	1	5.11
(1,940)	1:A:78:ALA:H	1:A:74:LYS:O	9	5.1
(1,940)	1:A:78:ALA:H	1:B:74:LYS:O	9	5.1
(1,940)	1:B:78:ALA:H	1:A:74:LYS:O	9	5.1
(1,940)	1:B:78:ALA:H	1:B:74:LYS:O	9	5.1
(1,939)	1:A:77:LYS:N	1:A:73:SER:O	18	5.1
(1,939)	1:A:77:LYS:N	1:B:73:SER:O	18	5.1
(1,939)	1:B:77:LYS:N	1:A:73:SER:O	18	5.1
(1,939)	1:B:77:LYS:N	1:B:73:SER:O	18	5.1
(1,928)	1:A:70:SER:N	1:A:66:LYS:O	14	5.1
(1,928)	1:A:70:SER:N	1:B:66:LYS:O	14	5.1
(1,928)	1:B:70:SER:N	1:A:66:LYS:O	14	5.1
(1,928)	1:B:70:SER:N	1:B:66:LYS:O	14	5.1
(1,927)	1:A:70:SER:H	1:A:66:LYS:O	8	5.1
(1,927)	1:A:70:SER:H	1:B:66:LYS:O	8	5.1
(1,927)	1:B:70:SER:H	1:A:66:LYS:O	8	5.1
(1,927)	1:B:70:SER:H	1:B:66:LYS:O	8	5.1
(1,926)	1:A:69:SER:N	1:A:65:LEU:O	4	5.1
(1,926)	1:A:69:SER:N	1:B:65:LEU:O	4	5.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,926)	1:B:69:SER:N	1:A:65:LEU:O	4	5.1
(1,926)	1:B:69:SER:N	1:B:65:LEU:O	4	5.1
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	4	5.1
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	4	5.1
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	4	5.1
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	4	5.1
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	4	5.1
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	4	5.1
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	4	5.1
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	4	5.1
(1,650)	1:A:79:ASP:HB2	1:A:54:LEU:HD11	6	5.1
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD11	6	5.1
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD12	6	5.1
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD13	6	5.1
(1,650)	1:B:79:ASP:HB2	1:A:54:LEU:HD11	6	5.1
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD11	6	5.1
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD12	6	5.1
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD13	6	5.1
(1,524)	1:A:78:ALA:H	1:A:56:GLN:HG2	4	5.1
(1,524)	1:A:78:ALA:H	1:B:56:GLN:HG2	4	5.1
(1,524)	1:B:78:ALA:H	1:A:56:GLN:HG2	4	5.1
(1,524)	1:B:78:ALA:H	1:B:56:GLN:HG2	4	5.1
(1,524)	1:A:78:ALA:H	1:A:56:GLN:HG2	11	5.1
(1,524)	1:A:78:ALA:H	1:B:56:GLN:HG2	11	5.1
(1,524)	1:B:78:ALA:H	1:A:56:GLN:HG2	11	5.1
(1,524)	1:B:78:ALA:H	1:B:56:GLN:HG2	11	5.1
(1,928)	1:A:70:SER:N	1:A:66:LYS:O	9	5.09
(1,928)	1:A:70:SER:N	1:B:66:LYS:O	9	5.09
(1,928)	1:B:70:SER:N	1:A:66:LYS:O	9	5.09
(1,928)	1:B:70:SER:N	1:B:66:LYS:O	9	5.09
(1,928)	1:A:70:SER:N	1:A:66:LYS:O	12	5.09
(1,928)	1:A:70:SER:N	1:B:66:LYS:O	12	5.09
(1,928)	1:B:70:SER:N	1:A:66:LYS:O	12	5.09
(1,928)	1:B:70:SER:N	1:B:66:LYS:O	12	5.09
(1,840)	1:A:87:HIS:HD1	1:A:72:HIS:HA	19	5.09
(1,840)	1:A:87:HIS:HD1	1:B:72:HIS:HA	19	5.09
(1,840)	1:A:87:HIS:HD2	1:A:72:HIS:HA	19	5.09
(1,840)	1:A:87:HIS:HD2	1:B:72:HIS:HA	19	5.09
(1,840)	1:B:87:HIS:HD1	1:A:72:HIS:HA	19	5.09
(1,840)	1:B:87:HIS:HD1	1:B:72:HIS:HA	19	5.09
(1,840)	1:B:87:HIS:HD2	1:A:72:HIS:HA	19	5.09
(1,840)	1:B:87:HIS:HD2	1:B:72:HIS:HA	19	5.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,524)	1:A:78:ALA:H	1:A:56:GLN:HG2	7	5.09
(1,524)	1:A:78:ALA:H	1:B:56:GLN:HG2	7	5.09
(1,524)	1:B:78:ALA:H	1:A:56:GLN:HG2	7	5.09
(1,524)	1:B:78:ALA:H	1:B:56:GLN:HG2	7	5.09
(1,939)	1:A:77:LYS:N	1:A:73:SER:O	16	5.08
(1,939)	1:A:77:LYS:N	1:B:73:SER:O	16	5.08
(1,939)	1:B:77:LYS:N	1:A:73:SER:O	16	5.08
(1,939)	1:B:77:LYS:N	1:B:73:SER:O	16	5.08
(1,927)	1:A:70:SER:H	1:A:66:LYS:O	15	5.08
(1,927)	1:A:70:SER:H	1:B:66:LYS:O	15	5.08
(1,927)	1:B:70:SER:H	1:A:66:LYS:O	15	5.08
(1,927)	1:B:70:SER:H	1:B:66:LYS:O	15	5.08
(1,926)	1:A:69:SER:N	1:A:65:LEU:O	2	5.08
(1,926)	1:A:69:SER:N	1:B:65:LEU:O	2	5.08
(1,926)	1:B:69:SER:N	1:A:65:LEU:O	2	5.08
(1,926)	1:B:69:SER:N	1:B:65:LEU:O	2	5.08
(1,524)	1:A:78:ALA:H	1:A:56:GLN:HG2	13	5.08
(1,524)	1:A:78:ALA:H	1:B:56:GLN:HG2	13	5.08
(1,524)	1:B:78:ALA:H	1:A:56:GLN:HG2	13	5.08
(1,524)	1:B:78:ALA:H	1:B:56:GLN:HG2	13	5.08
(1,99)	1:A:66:LYS:HE2	1:A:92:GLN:H	16	5.07
(1,99)	1:A:66:LYS:HE2	1:B:92:GLN:H	16	5.07
(1,99)	1:B:66:LYS:HE2	1:A:92:GLN:H	16	5.07
(1,99)	1:B:66:LYS:HE2	1:B:92:GLN:H	16	5.07
(1,99)	1:B:66:LYS:HE3	1:A:92:GLN:H	16	5.07
(1,99)	1:B:66:LYS:HE3	1:B:92:GLN:H	16	5.07
(1,840)	1:A:87:HIS:HD1	1:A:72:HIS:HA	14	5.07
(1,840)	1:A:87:HIS:HD1	1:B:72:HIS:HA	14	5.07
(1,840)	1:A:87:HIS:HD2	1:A:72:HIS:HA	14	5.07
(1,840)	1:A:87:HIS:HD2	1:B:72:HIS:HA	14	5.07
(1,840)	1:B:87:HIS:HD1	1:A:72:HIS:HA	14	5.07
(1,840)	1:B:87:HIS:HD1	1:B:72:HIS:HA	14	5.07
(1,840)	1:B:87:HIS:HD2	1:A:72:HIS:HA	14	5.07
(1,840)	1:B:87:HIS:HD2	1:B:72:HIS:HA	14	5.07
(1,460)	1:A:73:SER:HA	1:A:76:GLU:HB2	6	5.07
(1,460)	1:A:73:SER:HA	1:B:76:GLU:HB2	6	5.07
(1,460)	1:B:73:SER:HA	1:A:76:GLU:HB2	6	5.07
(1,460)	1:B:73:SER:HA	1:B:76:GLU:HB2	6	5.07
(1,927)	1:A:70:SER:H	1:A:66:LYS:O	10	5.06
(1,927)	1:A:70:SER:H	1:B:66:LYS:O	10	5.06
(1,927)	1:B:70:SER:H	1:A:66:LYS:O	10	5.06
(1,927)	1:B:70:SER:H	1:B:66:LYS:O	10	5.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	1:A:87:HIS:HD1	1:A:72:HIS:HA	12	5.06
(1,840)	1:A:87:HIS:HD1	1:B:72:HIS:HA	12	5.06
(1,840)	1:A:87:HIS:HD2	1:A:72:HIS:HA	12	5.06
(1,840)	1:A:87:HIS:HD2	1:B:72:HIS:HA	12	5.06
(1,840)	1:B:87:HIS:HD1	1:A:72:HIS:HA	12	5.06
(1,840)	1:B:87:HIS:HD1	1:B:72:HIS:HA	12	5.06
(1,840)	1:B:87:HIS:HD2	1:A:72:HIS:HA	12	5.06
(1,840)	1:B:87:HIS:HD2	1:B:72:HIS:HA	12	5.06
(1,524)	1:A:78:ALA:H	1:A:56:GLN:HG2	17	5.06
(1,524)	1:A:78:ALA:H	1:B:56:GLN:HG2	17	5.06
(1,524)	1:B:78:ALA:H	1:A:56:GLN:HG2	17	5.06
(1,524)	1:B:78:ALA:H	1:B:56:GLN:HG2	17	5.06
(1,460)	1:A:73:SER:HA	1:A:76:GLU:HB2	3	5.06
(1,460)	1:A:73:SER:HA	1:B:76:GLU:HB2	3	5.06
(1,460)	1:B:73:SER:HA	1:A:76:GLU:HB2	3	5.06
(1,460)	1:B:73:SER:HA	1:B:76:GLU:HB2	3	5.06
(1,928)	1:A:70:SER:N	1:A:66:LYS:O	19	5.05
(1,928)	1:A:70:SER:N	1:B:66:LYS:O	19	5.05
(1,928)	1:B:70:SER:N	1:A:66:LYS:O	19	5.05
(1,928)	1:B:70:SER:N	1:B:66:LYS:O	19	5.05
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	16	5.05
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	16	5.05
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	16	5.05
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	16	5.05
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	16	5.05
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	16	5.05
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	16	5.05
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	16	5.05
(1,524)	1:A:78:ALA:H	1:A:56:GLN:HG2	18	5.05
(1,524)	1:A:78:ALA:H	1:B:56:GLN:HG2	18	5.05
(1,524)	1:B:78:ALA:H	1:A:56:GLN:HG2	18	5.05
(1,524)	1:B:78:ALA:H	1:B:56:GLN:HG2	18	5.05
(1,928)	1:A:70:SER:N	1:A:66:LYS:O	2	5.04
(1,928)	1:A:70:SER:N	1:B:66:LYS:O	2	5.04
(1,928)	1:B:70:SER:N	1:A:66:LYS:O	2	5.04
(1,928)	1:B:70:SER:N	1:B:66:LYS:O	2	5.04
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	6	5.04
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	6	5.04
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	6	5.04
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	6	5.04
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	6	5.04
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	6	5.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	6	5.04
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	6	5.04
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	6	5.04
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	6	5.04
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	6	5.04
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	6	5.04
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	6	5.04
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	6	5.04
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	6	5.04
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	6	5.04
(1,940)	1:A:78:ALA:H	1:A:74:LYS:O	12	5.03
(1,940)	1:A:78:ALA:H	1:B:74:LYS:O	12	5.03
(1,940)	1:B:78:ALA:H	1:A:74:LYS:O	12	5.03
(1,940)	1:B:78:ALA:H	1:B:74:LYS:O	12	5.03
(1,926)	1:A:69:SER:N	1:A:65:LEU:O	6	5.03
(1,926)	1:A:69:SER:N	1:B:65:LEU:O	6	5.03
(1,926)	1:B:69:SER:N	1:A:65:LEU:O	6	5.03
(1,926)	1:B:69:SER:N	1:B:65:LEU:O	6	5.03
(1,926)	1:A:69:SER:N	1:A:65:LEU:O	18	5.03
(1,926)	1:A:69:SER:N	1:B:65:LEU:O	18	5.03
(1,926)	1:B:69:SER:N	1:A:65:LEU:O	18	5.03
(1,926)	1:B:69:SER:N	1:B:65:LEU:O	18	5.03
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	7	5.03
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	7	5.03
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	7	5.03
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	7	5.03
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	7	5.03
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	7	5.03
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	7	5.03
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	7	5.03
(1,524)	1:A:78:ALA:H	1:A:56:GLN:HG2	20	5.03
(1,524)	1:A:78:ALA:H	1:B:56:GLN:HG2	20	5.03
(1,524)	1:B:78:ALA:H	1:A:56:GLN:HG2	20	5.03
(1,524)	1:B:78:ALA:H	1:B:56:GLN:HG2	20	5.03
(1,927)	1:A:70:SER:H	1:A:66:LYS:O	7	5.02
(1,927)	1:A:70:SER:H	1:B:66:LYS:O	7	5.02
(1,927)	1:B:70:SER:H	1:A:66:LYS:O	7	5.02
(1,927)	1:B:70:SER:H	1:B:66:LYS:O	7	5.02
(1,926)	1:A:69:SER:N	1:A:65:LEU:O	12	5.02
(1,926)	1:A:69:SER:N	1:B:65:LEU:O	12	5.02
(1,926)	1:B:69:SER:N	1:A:65:LEU:O	12	5.02
(1,926)	1:B:69:SER:N	1:B:65:LEU:O	12	5.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	1	5.02
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	1	5.02
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	1	5.02
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	1	5.02
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	1	5.02
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	1	5.02
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	1	5.02
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	1	5.02
(1,928)	1:A:70:SER:N	1:A:66:LYS:O	3	5.0
(1,928)	1:A:70:SER:N	1:B:66:LYS:O	3	5.0
(1,928)	1:B:70:SER:N	1:A:66:LYS:O	3	5.0
(1,928)	1:B:70:SER:N	1:B:66:LYS:O	3	5.0
(1,99)	1:A:66:LYS:HE2	1:A:92:GLN:H	11	4.99
(1,99)	1:A:66:LYS:HE2	1:B:92:GLN:H	11	4.99
(1,99)	1:B:66:LYS:HE2	1:A:92:GLN:H	11	4.99
(1,99)	1:B:66:LYS:HE2	1:B:92:GLN:H	11	4.99
(1,99)	1:B:66:LYS:HE3	1:A:92:GLN:H	11	4.99
(1,99)	1:B:66:LYS:HE3	1:B:92:GLN:H	11	4.99
(1,650)	1:A:79:ASP:HB2	1:A:54:LEU:HD11	16	4.99
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD11	16	4.99
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD12	16	4.99
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD13	16	4.99
(1,650)	1:B:79:ASP:HB2	1:A:54:LEU:HD11	16	4.99
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD11	16	4.99
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD12	16	4.99
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD13	16	4.99
(1,926)	1:A:69:SER:N	1:A:65:LEU:O	1	4.98
(1,926)	1:A:69:SER:N	1:B:65:LEU:O	1	4.98
(1,926)	1:B:69:SER:N	1:A:65:LEU:O	1	4.98
(1,926)	1:B:69:SER:N	1:B:65:LEU:O	1	4.98
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	18	4.98
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	18	4.98
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	18	4.98
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	18	4.98
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	18	4.98
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	18	4.98
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	18	4.98
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	18	4.98
(1,460)	1:A:73:SER:HA	1:A:76:GLU:HB2	20	4.98
(1,460)	1:A:73:SER:HA	1:B:76:GLU:HB2	20	4.98
(1,460)	1:B:73:SER:HA	1:A:76:GLU:HB2	20	4.98
(1,460)	1:B:73:SER:HA	1:B:76:GLU:HB2	20	4.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	17	4.97
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	17	4.97
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	17	4.97
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	17	4.97
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	17	4.97
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	17	4.97
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	17	4.97
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	17	4.97
(1,642)	1:A:79:ASP:HB3	1:A:54:LEU:HD11	9	4.97
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD11	9	4.97
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD12	9	4.97
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD13	9	4.97
(1,642)	1:B:79:ASP:HB3	1:A:54:LEU:HD11	9	4.97
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD11	9	4.97
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD12	9	4.97
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD13	9	4.97
(1,524)	1:A:78:ALA:H	1:A:56:GLN:HG2	15	4.97
(1,524)	1:A:78:ALA:H	1:B:56:GLN:HG2	15	4.97
(1,524)	1:B:78:ALA:H	1:A:56:GLN:HG2	15	4.97
(1,524)	1:B:78:ALA:H	1:B:56:GLN:HG2	15	4.97
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB2	2	4.97
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB3	2	4.97
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB2	2	4.97
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB3	2	4.97
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB2	2	4.97
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB3	2	4.97
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB2	2	4.97
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB3	2	4.97
(1,926)	1:A:69:SER:N	1:A:65:LEU:O	7	4.95
(1,926)	1:A:69:SER:N	1:B:65:LEU:O	7	4.95
(1,926)	1:B:69:SER:N	1:A:65:LEU:O	7	4.95
(1,926)	1:B:69:SER:N	1:B:65:LEU:O	7	4.95
(1,524)	1:A:78:ALA:H	1:A:56:GLN:HG2	12	4.95
(1,524)	1:A:78:ALA:H	1:B:56:GLN:HG2	12	4.95
(1,524)	1:B:78:ALA:H	1:A:56:GLN:HG2	12	4.95
(1,524)	1:B:78:ALA:H	1:B:56:GLN:HG2	12	4.95
(1,460)	1:A:73:SER:HA	1:A:76:GLU:HB2	5	4.95
(1,460)	1:A:73:SER:HA	1:B:76:GLU:HB2	5	4.95
(1,460)	1:B:73:SER:HA	1:A:76:GLU:HB2	5	4.95
(1,460)	1:B:73:SER:HA	1:B:76:GLU:HB2	5	4.95
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB2	5	4.95
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB3	5	4.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB2	5	4.95
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB3	5	4.95
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB2	5	4.95
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB3	5	4.95
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB2	5	4.95
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB3	5	4.95
(1,99)	1:A:66:LYS:HE2	1:A:92:GLN:H	13	4.94
(1,99)	1:A:66:LYS:HE2	1:B:92:GLN:H	13	4.94
(1,99)	1:B:66:LYS:HE2	1:A:92:GLN:H	13	4.94
(1,99)	1:B:66:LYS:HE2	1:B:92:GLN:H	13	4.94
(1,99)	1:B:66:LYS:HE3	1:A:92:GLN:H	13	4.94
(1,99)	1:B:66:LYS:HE3	1:B:92:GLN:H	13	4.94
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	1	4.94
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	1	4.94
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	1	4.94
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	1	4.94
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	1	4.94
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	1	4.94
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	1	4.94
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	1	4.94
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	1	4.94
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	1	4.94
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	1	4.94
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	1	4.94
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	1	4.94
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	1	4.94
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	1	4.94
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	1	4.94
(1,546)	1:A:88:LEU:HA	1:A:66:LYS:HE2	19	4.94
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE2	19	4.94
(1,546)	1:A:88:LEU:HA	1:B:66:LYS:HE3	19	4.94
(1,546)	1:B:88:LEU:HA	1:A:66:LYS:HE2	19	4.94
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE2	19	4.94
(1,546)	1:B:88:LEU:HA	1:B:66:LYS:HE3	19	4.94
(1,939)	1:A:77:LYS:N	1:A:73:SER:O	12	4.93
(1,939)	1:A:77:LYS:N	1:B:73:SER:O	12	4.93
(1,939)	1:B:77:LYS:N	1:A:73:SER:O	12	4.93
(1,939)	1:B:77:LYS:N	1:B:73:SER:O	12	4.93
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	4	4.93
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	4	4.93
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	4	4.93
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	4	4.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	4	4.93
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	4	4.93
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	4	4.93
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	4	4.93
(1,941)	1:A:78:ALA:N	1:A:74:LYS:O	20	4.92
(1,941)	1:A:78:ALA:N	1:B:74:LYS:O	20	4.92
(1,941)	1:B:78:ALA:N	1:A:74:LYS:O	20	4.92
(1,941)	1:B:78:ALA:N	1:B:74:LYS:O	20	4.92
(1,926)	1:A:69:SER:N	1:A:65:LEU:O	8	4.92
(1,926)	1:A:69:SER:N	1:B:65:LEU:O	8	4.92
(1,926)	1:B:69:SER:N	1:A:65:LEU:O	8	4.92
(1,926)	1:B:69:SER:N	1:B:65:LEU:O	8	4.92
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	12	4.92
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	12	4.92
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	12	4.92
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	12	4.92
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	12	4.92
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	12	4.92
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	12	4.92
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	12	4.92
(1,460)	1:A:73:SER:HA	1:A:76:GLU:HB2	15	4.91
(1,460)	1:A:73:SER:HA	1:B:76:GLU:HB2	15	4.91
(1,460)	1:B:73:SER:HA	1:A:76:GLU:HB2	15	4.91
(1,460)	1:B:73:SER:HA	1:B:76:GLU:HB2	15	4.91
(1,650)	1:A:79:ASP:HB2	1:A:54:LEU:HD11	9	4.9
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD11	9	4.9
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD12	9	4.9
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD13	9	4.9
(1,650)	1:B:79:ASP:HB2	1:A:54:LEU:HD11	9	4.9
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD11	9	4.9
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD12	9	4.9
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD13	9	4.9
(1,432)	1:A:90:ASN:HA	1:A:65:LEU:HG	17	4.9
(1,432)	1:A:90:ASN:HA	1:B:65:LEU:HG	17	4.9
(1,432)	1:B:90:ASN:HA	1:A:65:LEU:HG	17	4.9
(1,432)	1:B:90:ASN:HA	1:B:65:LEU:HG	17	4.9
(1,940)	1:A:78:ALA:H	1:A:74:LYS:O	7	4.89
(1,940)	1:A:78:ALA:H	1:B:74:LYS:O	7	4.89
(1,940)	1:B:78:ALA:H	1:A:74:LYS:O	7	4.89
(1,940)	1:B:78:ALA:H	1:B:74:LYS:O	7	4.89
(1,928)	1:A:70:SER:N	1:A:66:LYS:O	4	4.89
(1,928)	1:A:70:SER:N	1:B:66:LYS:O	4	4.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,928)	1:B:70:SER:N	1:A:66:LYS:O	4	4.89
(1,928)	1:B:70:SER:N	1:B:66:LYS:O	4	4.89
(1,650)	1:A:79:ASP:HB2	1:A:54:LEU:HD11	20	4.89
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD11	20	4.89
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD12	20	4.89
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD13	20	4.89
(1,650)	1:B:79:ASP:HB2	1:A:54:LEU:HD11	20	4.89
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD11	20	4.89
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD12	20	4.89
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD13	20	4.89
(1,940)	1:A:78:ALA:H	1:A:74:LYS:O	4	4.88
(1,940)	1:A:78:ALA:H	1:B:74:LYS:O	4	4.88
(1,940)	1:B:78:ALA:H	1:A:74:LYS:O	4	4.88
(1,940)	1:B:78:ALA:H	1:B:74:LYS:O	4	4.88
(1,928)	1:A:70:SER:N	1:A:66:LYS:O	6	4.88
(1,928)	1:A:70:SER:N	1:B:66:LYS:O	6	4.88
(1,928)	1:B:70:SER:N	1:A:66:LYS:O	6	4.88
(1,928)	1:B:70:SER:N	1:B:66:LYS:O	6	4.88
(1,926)	1:A:69:SER:N	1:A:65:LEU:O	5	4.88
(1,926)	1:A:69:SER:N	1:B:65:LEU:O	5	4.88
(1,926)	1:B:69:SER:N	1:A:65:LEU:O	5	4.88
(1,926)	1:B:69:SER:N	1:B:65:LEU:O	5	4.88
(1,99)	1:A:66:LYS:HE2	1:A:92:GLN:H	17	4.87
(1,99)	1:A:66:LYS:HE2	1:B:92:GLN:H	17	4.87
(1,99)	1:B:66:LYS:HE2	1:A:92:GLN:H	17	4.87
(1,99)	1:B:66:LYS:HE2	1:B:92:GLN:H	17	4.87
(1,99)	1:B:66:LYS:HE3	1:A:92:GLN:H	17	4.87
(1,99)	1:B:66:LYS:HE3	1:B:92:GLN:H	17	4.87
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	7	4.87
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	7	4.87
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	7	4.87
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	7	4.87
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	7	4.87
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	7	4.87
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	7	4.87
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	7	4.87
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	10	4.87
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	10	4.87
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	10	4.87
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	10	4.87
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	10	4.87
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	10	4.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	10	4.87
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	10	4.87
(1,642)	1:A:79:ASP:HB3	1:A:54:LEU:HD11	7	4.86
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD11	7	4.86
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD12	7	4.86
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD13	7	4.86
(1,642)	1:B:79:ASP:HB3	1:A:54:LEU:HD11	7	4.86
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD11	7	4.86
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD12	7	4.86
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD13	7	4.86
(1,460)	1:A:73:SER:HA	1:A:76:GLU:HB2	18	4.86
(1,460)	1:A:73:SER:HA	1:B:76:GLU:HB2	18	4.86
(1,460)	1:B:73:SER:HA	1:A:76:GLU:HB2	18	4.86
(1,460)	1:B:73:SER:HA	1:B:76:GLU:HB2	18	4.86
(1,940)	1:A:78:ALA:H	1:A:74:LYS:O	10	4.85
(1,940)	1:A:78:ALA:H	1:B:74:LYS:O	10	4.85
(1,940)	1:B:78:ALA:H	1:A:74:LYS:O	10	4.85
(1,940)	1:B:78:ALA:H	1:B:74:LYS:O	10	4.85
(1,642)	1:A:79:ASP:HB3	1:A:54:LEU:HD11	3	4.85
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD11	3	4.85
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD12	3	4.85
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD13	3	4.85
(1,642)	1:B:79:ASP:HB3	1:A:54:LEU:HD11	3	4.85
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD11	3	4.85
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD12	3	4.85
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD13	3	4.85
(1,524)	1:A:78:ALA:H	1:A:56:GLN:HG2	2	4.85
(1,524)	1:A:78:ALA:H	1:B:56:GLN:HG2	2	4.85
(1,524)	1:B:78:ALA:H	1:A:56:GLN:HG2	2	4.85
(1,524)	1:B:78:ALA:H	1:B:56:GLN:HG2	2	4.85
(1,524)	1:A:78:ALA:H	1:A:56:GLN:HG2	3	4.85
(1,524)	1:A:78:ALA:H	1:B:56:GLN:HG2	3	4.85
(1,524)	1:B:78:ALA:H	1:A:56:GLN:HG2	3	4.85
(1,524)	1:B:78:ALA:H	1:B:56:GLN:HG2	3	4.85
(1,524)	1:A:78:ALA:H	1:A:56:GLN:HG2	9	4.85
(1,524)	1:A:78:ALA:H	1:B:56:GLN:HG2	9	4.85
(1,524)	1:B:78:ALA:H	1:A:56:GLN:HG2	9	4.85
(1,524)	1:B:78:ALA:H	1:B:56:GLN:HG2	9	4.85
(1,99)	1:A:66:LYS:HE2	1:A:92:GLN:H	14	4.84
(1,99)	1:A:66:LYS:HE2	1:B:92:GLN:H	14	4.84
(1,99)	1:B:66:LYS:HE2	1:A:92:GLN:H	14	4.84
(1,99)	1:B:66:LYS:HE2	1:B:92:GLN:H	14	4.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:B:66:LYS:HE3	1:A:92:GLN:H	14	4.84
(1,99)	1:B:66:LYS:HE3	1:B:92:GLN:H	14	4.84
(1,99)	1:A:66:LYS:HE2	1:A:92:GLN:H	15	4.83
(1,99)	1:A:66:LYS:HE2	1:B:92:GLN:H	15	4.83
(1,99)	1:B:66:LYS:HE2	1:A:92:GLN:H	15	4.83
(1,99)	1:B:66:LYS:HE2	1:B:92:GLN:H	15	4.83
(1,99)	1:B:66:LYS:HE3	1:A:92:GLN:H	15	4.83
(1,99)	1:B:66:LYS:HE3	1:B:92:GLN:H	15	4.83
(1,926)	1:A:69:SER:N	1:A:65:LEU:O	15	4.83
(1,926)	1:A:69:SER:N	1:B:65:LEU:O	15	4.83
(1,926)	1:B:69:SER:N	1:A:65:LEU:O	15	4.83
(1,926)	1:B:69:SER:N	1:B:65:LEU:O	15	4.83
(1,940)	1:A:78:ALA:H	1:A:74:LYS:O	18	4.82
(1,940)	1:A:78:ALA:H	1:B:74:LYS:O	18	4.82
(1,940)	1:B:78:ALA:H	1:A:74:LYS:O	18	4.82
(1,940)	1:B:78:ALA:H	1:B:74:LYS:O	18	4.82
(1,642)	1:A:79:ASP:HB3	1:A:54:LEU:HD11	12	4.82
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD11	12	4.82
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD12	12	4.82
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD13	12	4.82
(1,642)	1:B:79:ASP:HB3	1:A:54:LEU:HD11	12	4.82
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD11	12	4.82
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD12	12	4.82
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD13	12	4.82
(1,926)	1:A:69:SER:N	1:A:65:LEU:O	10	4.81
(1,926)	1:A:69:SER:N	1:B:65:LEU:O	10	4.81
(1,926)	1:B:69:SER:N	1:A:65:LEU:O	10	4.81
(1,926)	1:B:69:SER:N	1:B:65:LEU:O	10	4.81
(1,642)	1:A:79:ASP:HB3	1:A:54:LEU:HD11	10	4.81
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD11	10	4.81
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD12	10	4.81
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD13	10	4.81
(1,642)	1:B:79:ASP:HB3	1:A:54:LEU:HD11	10	4.81
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD11	10	4.81
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD12	10	4.81
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD13	10	4.81
(1,460)	1:A:73:SER:HA	1:A:76:GLU:HB2	7	4.81
(1,460)	1:A:73:SER:HA	1:B:76:GLU:HB2	7	4.81
(1,460)	1:B:73:SER:HA	1:A:76:GLU:HB2	7	4.81
(1,460)	1:B:73:SER:HA	1:B:76:GLU:HB2	7	4.81
(1,928)	1:A:70:SER:N	1:A:66:LYS:O	18	4.8
(1,928)	1:A:70:SER:N	1:B:66:LYS:O	18	4.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,928)	1:B:70:SER:N	1:A:66:LYS:O	18	4.8
(1,928)	1:B:70:SER:N	1:B:66:LYS:O	18	4.8
(1,524)	1:A:78:ALA:H	1:A:56:GLN:HG2	8	4.8
(1,524)	1:A:78:ALA:H	1:B:56:GLN:HG2	8	4.8
(1,524)	1:B:78:ALA:H	1:A:56:GLN:HG2	8	4.8
(1,524)	1:B:78:ALA:H	1:B:56:GLN:HG2	8	4.8
(1,940)	1:A:78:ALA:H	1:A:74:LYS:O	14	4.79
(1,940)	1:A:78:ALA:H	1:B:74:LYS:O	14	4.79
(1,940)	1:B:78:ALA:H	1:A:74:LYS:O	14	4.79
(1,940)	1:B:78:ALA:H	1:B:74:LYS:O	14	4.79
(1,928)	1:A:70:SER:N	1:A:66:LYS:O	5	4.79
(1,928)	1:A:70:SER:N	1:B:66:LYS:O	5	4.79
(1,928)	1:B:70:SER:N	1:A:66:LYS:O	5	4.79
(1,928)	1:B:70:SER:N	1:B:66:LYS:O	5	4.79
(1,927)	1:A:70:SER:H	1:A:66:LYS:O	17	4.79
(1,927)	1:A:70:SER:H	1:B:66:LYS:O	17	4.79
(1,927)	1:B:70:SER:H	1:A:66:LYS:O	17	4.79
(1,927)	1:B:70:SER:H	1:B:66:LYS:O	17	4.79
(1,1)	1:A:80:ILE:H	1:A:56:GLN:HG2	19	4.79
(1,1)	1:A:80:ILE:H	1:B:56:GLN:HG2	19	4.79
(1,1)	1:B:80:ILE:H	1:A:56:GLN:HG2	19	4.79
(1,1)	1:B:80:ILE:H	1:B:56:GLN:HG2	19	4.79
(1,940)	1:A:78:ALA:H	1:A:74:LYS:O	11	4.78
(1,940)	1:A:78:ALA:H	1:B:74:LYS:O	11	4.78
(1,940)	1:B:78:ALA:H	1:A:74:LYS:O	11	4.78
(1,940)	1:B:78:ALA:H	1:B:74:LYS:O	11	4.78
(1,460)	1:A:73:SER:HA	1:A:76:GLU:HB2	10	4.78
(1,460)	1:A:73:SER:HA	1:B:76:GLU:HB2	10	4.78
(1,460)	1:B:73:SER:HA	1:A:76:GLU:HB2	10	4.78
(1,460)	1:B:73:SER:HA	1:B:76:GLU:HB2	10	4.78
(1,99)	1:A:66:LYS:HE2	1:A:92:GLN:H	5	4.77
(1,99)	1:A:66:LYS:HE2	1:B:92:GLN:H	5	4.77
(1,99)	1:B:66:LYS:HE2	1:A:92:GLN:H	5	4.77
(1,99)	1:B:66:LYS:HE2	1:B:92:GLN:H	5	4.77
(1,99)	1:B:66:LYS:HE3	1:A:92:GLN:H	5	4.77
(1,99)	1:B:66:LYS:HE3	1:B:92:GLN:H	5	4.77
(1,940)	1:A:78:ALA:H	1:A:74:LYS:O	13	4.77
(1,940)	1:A:78:ALA:H	1:B:74:LYS:O	13	4.77
(1,940)	1:B:78:ALA:H	1:A:74:LYS:O	13	4.77
(1,940)	1:B:78:ALA:H	1:B:74:LYS:O	13	4.77
(1,939)	1:A:77:LYS:N	1:A:73:SER:O	19	4.77
(1,939)	1:A:77:LYS:N	1:B:73:SER:O	19	4.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,939)	1:B:77:LYS:N	1:A:73:SER:O	19	4.77
(1,939)	1:B:77:LYS:N	1:B:73:SER:O	19	4.77
(1,928)	1:A:70:SER:N	1:A:66:LYS:O	1	4.77
(1,928)	1:A:70:SER:N	1:B:66:LYS:O	1	4.77
(1,928)	1:B:70:SER:N	1:A:66:LYS:O	1	4.77
(1,928)	1:B:70:SER:N	1:B:66:LYS:O	1	4.77
(1,460)	1:A:73:SER:HA	1:A:76:GLU:HB2	8	4.77
(1,460)	1:A:73:SER:HA	1:B:76:GLU:HB2	8	4.77
(1,460)	1:B:73:SER:HA	1:A:76:GLU:HB2	8	4.77
(1,460)	1:B:73:SER:HA	1:B:76:GLU:HB2	8	4.77
(1,1)	1:A:80:ILE:H	1:A:56:GLN:HG2	5	4.77
(1,1)	1:A:80:ILE:H	1:B:56:GLN:HG2	5	4.77
(1,1)	1:B:80:ILE:H	1:A:56:GLN:HG2	5	4.77
(1,1)	1:B:80:ILE:H	1:B:56:GLN:HG2	5	4.77
(1,941)	1:A:78:ALA:N	1:A:74:LYS:O	8	4.76
(1,941)	1:A:78:ALA:N	1:B:74:LYS:O	8	4.76
(1,941)	1:B:78:ALA:N	1:A:74:LYS:O	8	4.76
(1,941)	1:B:78:ALA:N	1:B:74:LYS:O	8	4.76
(1,939)	1:A:77:LYS:N	1:A:73:SER:O	11	4.76
(1,939)	1:A:77:LYS:N	1:B:73:SER:O	11	4.76
(1,939)	1:B:77:LYS:N	1:A:73:SER:O	11	4.76
(1,939)	1:B:77:LYS:N	1:B:73:SER:O	11	4.76
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	17	4.76
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	17	4.76
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	17	4.76
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	17	4.76
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	17	4.76
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	17	4.76
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	17	4.76
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	17	4.76
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB2	17	4.75
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB3	17	4.75
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB2	17	4.75
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB3	17	4.75
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB2	17	4.75
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB3	17	4.75
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB2	17	4.75
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB3	17	4.75
(1,939)	1:A:77:LYS:N	1:A:73:SER:O	9	4.74
(1,939)	1:A:77:LYS:N	1:B:73:SER:O	9	4.74
(1,939)	1:B:77:LYS:N	1:A:73:SER:O	9	4.74
(1,939)	1:B:77:LYS:N	1:B:73:SER:O	9	4.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,642)	1:A:79:ASP:HB3	1:A:54:LEU:HD11	11	4.74
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD11	11	4.74
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD12	11	4.74
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD13	11	4.74
(1,642)	1:B:79:ASP:HB3	1:A:54:LEU:HD11	11	4.74
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD11	11	4.74
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD12	11	4.74
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD13	11	4.74
(1,642)	1:A:79:ASP:HB3	1:A:54:LEU:HD11	20	4.74
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD11	20	4.74
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD12	20	4.74
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD13	20	4.74
(1,642)	1:B:79:ASP:HB3	1:A:54:LEU:HD11	20	4.74
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD11	20	4.74
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD12	20	4.74
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD13	20	4.74
(1,432)	1:A:90:ASN:HA	1:A:65:LEU:HG	13	4.74
(1,432)	1:A:90:ASN:HA	1:B:65:LEU:HG	13	4.74
(1,432)	1:B:90:ASN:HA	1:A:65:LEU:HG	13	4.74
(1,432)	1:B:90:ASN:HA	1:B:65:LEU:HG	13	4.74
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB2	12	4.74
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB3	12	4.74
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB2	12	4.74
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB3	12	4.74
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB2	12	4.74
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB3	12	4.74
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB2	12	4.74
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB3	12	4.74
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB2	15	4.74
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB3	15	4.74
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB2	15	4.74
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB3	15	4.74
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB2	15	4.74
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB3	15	4.74
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB2	15	4.74
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB3	15	4.74
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB2	19	4.74
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB3	19	4.74
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB2	19	4.74
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB3	19	4.74
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB2	19	4.74
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB3	19	4.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB2	19	4.74
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB3	19	4.74
(1,1)	1:A:80:ILE:H	1:A:56:GLN:HG2	16	4.74
(1,1)	1:A:80:ILE:H	1:B:56:GLN:HG2	16	4.74
(1,1)	1:B:80:ILE:H	1:A:56:GLN:HG2	16	4.74
(1,1)	1:B:80:ILE:H	1:B:56:GLN:HG2	16	4.74
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	16	4.73
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	16	4.73
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	16	4.73
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	16	4.73
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	16	4.73
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	16	4.73
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	16	4.73
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	16	4.73
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB2	6	4.73
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB3	6	4.73
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB2	6	4.73
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB3	6	4.73
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB2	6	4.73
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB3	6	4.73
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB2	6	4.73
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB3	6	4.73
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB2	18	4.73
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB3	18	4.73
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB2	18	4.73
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB3	18	4.73
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB2	18	4.73
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB3	18	4.73
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB2	18	4.73
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB3	18	4.73
(1,939)	1:A:77:LYS:N	1:A:73:SER:O	4	4.72
(1,939)	1:A:77:LYS:N	1:B:73:SER:O	4	4.72
(1,939)	1:B:77:LYS:N	1:A:73:SER:O	4	4.72
(1,939)	1:B:77:LYS:N	1:B:73:SER:O	4	4.72
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	18	4.72
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	18	4.72
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	18	4.72
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	18	4.72
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	18	4.72
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	18	4.72
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	18	4.72
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	18	4.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	10	4.72
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	10	4.72
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	10	4.72
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	10	4.72
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	10	4.72
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	10	4.72
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	10	4.72
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	10	4.72
(1,650)	1:A:79:ASP:HB2	1:A:54:LEU:HD11	2	4.72
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD11	2	4.72
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD12	2	4.72
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD13	2	4.72
(1,650)	1:B:79:ASP:HB2	1:A:54:LEU:HD11	2	4.72
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD11	2	4.72
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD12	2	4.72
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD13	2	4.72
(1,642)	1:A:79:ASP:HB3	1:A:54:LEU:HD11	17	4.71
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD11	17	4.71
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD12	17	4.71
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD13	17	4.71
(1,642)	1:B:79:ASP:HB3	1:A:54:LEU:HD11	17	4.71
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD11	17	4.71
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD12	17	4.71
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD13	17	4.71
(1,460)	1:A:73:SER:HA	1:A:76:GLU:HB2	12	4.71
(1,460)	1:A:73:SER:HA	1:B:76:GLU:HB2	12	4.71
(1,460)	1:B:73:SER:HA	1:A:76:GLU:HB2	12	4.71
(1,460)	1:B:73:SER:HA	1:B:76:GLU:HB2	12	4.71
(1,446)	1:A:77:LYS:HA	1:A:56:GLN:HG2	1	4.71
(1,446)	1:A:77:LYS:HA	1:B:56:GLN:HG2	1	4.71
(1,446)	1:B:77:LYS:HA	1:A:56:GLN:HG2	1	4.71
(1,446)	1:B:77:LYS:HA	1:B:56:GLN:HG2	1	4.71
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB2	13	4.71
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB3	13	4.71
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB2	13	4.71
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB3	13	4.71
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB2	13	4.71
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB3	13	4.71
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB2	13	4.71
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB3	13	4.71
(1,1)	1:A:80:ILE:H	1:A:56:GLN:HG2	4	4.71
(1,1)	1:A:80:ILE:H	1:B:56:GLN:HG2	4	4.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1)	1:B:80:ILE:H	1:A:56:GLN:HG2	4	4.71
(1,1)	1:B:80:ILE:H	1:B:56:GLN:HG2	4	4.71
(1,840)	1:A:87:HIS:HD1	1:A:72:HIS:HA	5	4.7
(1,840)	1:A:87:HIS:HD1	1:B:72:HIS:HA	5	4.7
(1,840)	1:A:87:HIS:HD2	1:A:72:HIS:HA	5	4.7
(1,840)	1:A:87:HIS:HD2	1:B:72:HIS:HA	5	4.7
(1,840)	1:B:87:HIS:HD1	1:A:72:HIS:HA	5	4.7
(1,840)	1:B:87:HIS:HD1	1:B:72:HIS:HA	5	4.7
(1,840)	1:B:87:HIS:HD2	1:A:72:HIS:HA	5	4.7
(1,840)	1:B:87:HIS:HD2	1:B:72:HIS:HA	5	4.7
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	4	4.7
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	4	4.7
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	4	4.7
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	4	4.7
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	4	4.7
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	4	4.7
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	4	4.7
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	4	4.7
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	4	4.7
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	4	4.7
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	4	4.7
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	4	4.7
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	4	4.7
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	4	4.7
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	4	4.7
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	4	4.7
(1,650)	1:A:79:ASP:HB2	1:A:54:LEU:HD11	10	4.7
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD11	10	4.7
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD12	10	4.7
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD13	10	4.7
(1,650)	1:B:79:ASP:HB2	1:A:54:LEU:HD11	10	4.7
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD11	10	4.7
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD12	10	4.7
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD13	10	4.7
(1,650)	1:A:79:ASP:HB2	1:A:54:LEU:HD11	13	4.7
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD11	13	4.7
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD12	13	4.7
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD13	13	4.7
(1,650)	1:B:79:ASP:HB2	1:A:54:LEU:HD11	13	4.7
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD11	13	4.7
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD12	13	4.7
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD13	13	4.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1)	1:A:80:ILE:H	1:A:56:GLN:HG2	1	4.7
(1,1)	1:A:80:ILE:H	1:B:56:GLN:HG2	1	4.7
(1,1)	1:B:80:ILE:H	1:A:56:GLN:HG2	1	4.7
(1,1)	1:B:80:ILE:H	1:B:56:GLN:HG2	1	4.7
(1,1)	1:A:80:ILE:H	1:A:56:GLN:HG2	6	4.7
(1,1)	1:A:80:ILE:H	1:B:56:GLN:HG2	6	4.7
(1,1)	1:B:80:ILE:H	1:A:56:GLN:HG2	6	4.7
(1,1)	1:B:80:ILE:H	1:B:56:GLN:HG2	6	4.7
(1,1)	1:A:80:ILE:H	1:A:56:GLN:HG2	10	4.7
(1,1)	1:A:80:ILE:H	1:B:56:GLN:HG2	10	4.7
(1,1)	1:B:80:ILE:H	1:A:56:GLN:HG2	10	4.7
(1,1)	1:B:80:ILE:H	1:B:56:GLN:HG2	10	4.7
(1,940)	1:A:78:ALA:H	1:A:74:LYS:O	2	4.69
(1,940)	1:A:78:ALA:H	1:B:74:LYS:O	2	4.69
(1,940)	1:B:78:ALA:H	1:A:74:LYS:O	2	4.69
(1,940)	1:B:78:ALA:H	1:B:74:LYS:O	2	4.69
(1,1)	1:A:80:ILE:H	1:A:56:GLN:HG2	17	4.69
(1,1)	1:A:80:ILE:H	1:B:56:GLN:HG2	17	4.69
(1,1)	1:B:80:ILE:H	1:A:56:GLN:HG2	17	4.69
(1,1)	1:B:80:ILE:H	1:B:56:GLN:HG2	17	4.69
(1,635)	1:A:89:ARG:HB2	1:A:65:LEU:HG	15	4.68
(1,635)	1:A:89:ARG:HB2	1:B:65:LEU:HG	15	4.68
(1,635)	1:A:89:ARG:HB3	1:A:65:LEU:HG	15	4.68
(1,635)	1:A:89:ARG:HB3	1:B:65:LEU:HG	15	4.68
(1,635)	1:B:89:ARG:HB2	1:A:65:LEU:HG	15	4.68
(1,635)	1:B:89:ARG:HB2	1:B:65:LEU:HG	15	4.68
(1,635)	1:B:89:ARG:HB3	1:A:65:LEU:HG	15	4.68
(1,635)	1:B:89:ARG:HB3	1:B:65:LEU:HG	15	4.68
(1,928)	1:A:70:SER:N	1:A:66:LYS:O	8	4.67
(1,928)	1:A:70:SER:N	1:B:66:LYS:O	8	4.67
(1,928)	1:B:70:SER:N	1:A:66:LYS:O	8	4.67
(1,928)	1:B:70:SER:N	1:B:66:LYS:O	8	4.67
(1,446)	1:A:77:LYS:HA	1:A:56:GLN:HG2	5	4.67
(1,446)	1:A:77:LYS:HA	1:B:56:GLN:HG2	5	4.67
(1,446)	1:B:77:LYS:HA	1:A:56:GLN:HG2	5	4.67
(1,446)	1:B:77:LYS:HA	1:B:56:GLN:HG2	5	4.67
(1,1)	1:A:80:ILE:H	1:A:56:GLN:HG2	11	4.67
(1,1)	1:A:80:ILE:H	1:B:56:GLN:HG2	11	4.67
(1,1)	1:B:80:ILE:H	1:A:56:GLN:HG2	11	4.67
(1,1)	1:B:80:ILE:H	1:B:56:GLN:HG2	11	4.67
(1,926)	1:A:69:SER:N	1:A:65:LEU:O	17	4.66
(1,926)	1:A:69:SER:N	1:B:65:LEU:O	17	4.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,926)	1:B:69:SER:N	1:A:65:LEU:O	17	4.66
(1,926)	1:B:69:SER:N	1:B:65:LEU:O	17	4.66
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	8	4.66
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	8	4.66
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	8	4.66
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	8	4.66
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	8	4.66
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	8	4.66
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	8	4.66
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	8	4.66
(1,603)	1:A:64:ALA:HB2	1:A:67:LYS:HG2	5	4.66
(1,603)	1:A:64:ALA:HB2	1:B:67:LYS:HG2	5	4.66
(1,603)	1:B:64:ALA:HB2	1:A:67:LYS:HG2	5	4.66
(1,603)	1:B:64:ALA:HB2	1:B:67:LYS:HG2	5	4.66
(1,928)	1:A:70:SER:N	1:A:66:LYS:O	15	4.65
(1,928)	1:A:70:SER:N	1:B:66:LYS:O	15	4.65
(1,928)	1:B:70:SER:N	1:A:66:LYS:O	15	4.65
(1,928)	1:B:70:SER:N	1:B:66:LYS:O	15	4.65
(1,1)	1:A:80:ILE:H	1:A:56:GLN:HG2	7	4.65
(1,1)	1:A:80:ILE:H	1:B:56:GLN:HG2	7	4.65
(1,1)	1:B:80:ILE:H	1:A:56:GLN:HG2	7	4.65
(1,1)	1:B:80:ILE:H	1:B:56:GLN:HG2	7	4.65
(1,928)	1:A:70:SER:N	1:A:66:LYS:O	7	4.64
(1,928)	1:A:70:SER:N	1:B:66:LYS:O	7	4.64
(1,928)	1:B:70:SER:N	1:A:66:LYS:O	7	4.64
(1,928)	1:B:70:SER:N	1:B:66:LYS:O	7	4.64
(1,848)	1:A:90:ASN:HD21	1:A:66:LYS:HE2	9	4.64
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE2	9	4.64
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE3	9	4.64
(1,848)	1:A:90:ASN:HD22	1:A:66:LYS:HE2	9	4.64
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE2	9	4.64
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE3	9	4.64
(1,848)	1:B:90:ASN:HD21	1:A:66:LYS:HE2	9	4.64
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE2	9	4.64
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE3	9	4.64
(1,848)	1:B:90:ASN:HD22	1:A:66:LYS:HE2	9	4.64
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE2	9	4.64
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE3	9	4.64
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	7	4.64
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	7	4.64
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	7	4.64
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	7	4.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	7	4.64
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	7	4.64
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	7	4.64
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	7	4.64
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	7	4.64
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	7	4.64
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	7	4.64
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	7	4.64
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	7	4.64
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	7	4.64
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	7	4.64
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	7	4.64
(1,635)	1:A:89:ARG:HB2	1:A:65:LEU:HG	13	4.64
(1,635)	1:A:89:ARG:HB2	1:B:65:LEU:HG	13	4.64
(1,635)	1:A:89:ARG:HB3	1:A:65:LEU:HG	13	4.64
(1,635)	1:A:89:ARG:HB3	1:B:65:LEU:HG	13	4.64
(1,635)	1:B:89:ARG:HB2	1:A:65:LEU:HG	13	4.64
(1,635)	1:B:89:ARG:HB2	1:B:65:LEU:HG	13	4.64
(1,635)	1:B:89:ARG:HB3	1:A:65:LEU:HG	13	4.64
(1,635)	1:B:89:ARG:HB3	1:B:65:LEU:HG	13	4.64
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB2	10	4.64
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB3	10	4.64
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB2	10	4.64
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB3	10	4.64
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB2	10	4.64
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB3	10	4.64
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB2	10	4.64
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB3	10	4.64
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG2	8	4.63
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG3	8	4.63
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG2	8	4.63
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG3	8	4.63
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG2	8	4.63
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG3	8	4.63
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG2	8	4.63
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG3	8	4.63
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB2	14	4.63
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB3	14	4.63
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB2	14	4.63
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB3	14	4.63
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB2	14	4.63
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB3	14	4.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB2	14	4.63
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB3	14	4.63
(1,99)	1:A:66:LYS:HE2	1:A:92:GLN:H	8	4.62
(1,99)	1:A:66:LYS:HE2	1:B:92:GLN:H	8	4.62
(1,99)	1:B:66:LYS:HE2	1:A:92:GLN:H	8	4.62
(1,99)	1:B:66:LYS:HE2	1:B:92:GLN:H	8	4.62
(1,99)	1:B:66:LYS:HE3	1:A:92:GLN:H	8	4.62
(1,99)	1:B:66:LYS:HE3	1:B:92:GLN:H	8	4.62
(1,941)	1:A:78:ALA:N	1:A:74:LYS:O	17	4.62
(1,941)	1:A:78:ALA:N	1:B:74:LYS:O	17	4.62
(1,941)	1:B:78:ALA:N	1:A:74:LYS:O	17	4.62
(1,941)	1:B:78:ALA:N	1:B:74:LYS:O	17	4.62
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB2	7	4.62
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB3	7	4.62
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB2	7	4.62
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB3	7	4.62
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB2	7	4.62
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB3	7	4.62
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB2	7	4.62
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB3	7	4.62
(1,1)	1:A:80:ILE:H	1:A:56:GLN:HG2	18	4.62
(1,1)	1:A:80:ILE:H	1:B:56:GLN:HG2	18	4.62
(1,1)	1:B:80:ILE:H	1:A:56:GLN:HG2	18	4.62
(1,1)	1:B:80:ILE:H	1:B:56:GLN:HG2	18	4.62
(1,99)	1:A:66:LYS:HE2	1:A:92:GLN:H	3	4.61
(1,99)	1:A:66:LYS:HE2	1:B:92:GLN:H	3	4.61
(1,99)	1:B:66:LYS:HE2	1:A:92:GLN:H	3	4.61
(1,99)	1:B:66:LYS:HE2	1:B:92:GLN:H	3	4.61
(1,99)	1:B:66:LYS:HE3	1:A:92:GLN:H	3	4.61
(1,99)	1:B:66:LYS:HE3	1:B:92:GLN:H	3	4.61
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	8	4.61
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	8	4.61
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	8	4.61
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	8	4.61
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	8	4.61
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	8	4.61
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	8	4.61
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	8	4.61
(1,603)	1:A:64:ALA:HB2	1:A:67:LYS:HG2	20	4.61
(1,603)	1:A:64:ALA:HB2	1:B:67:LYS:HG2	20	4.61
(1,603)	1:B:64:ALA:HB2	1:A:67:LYS:HG2	20	4.61
(1,603)	1:B:64:ALA:HB2	1:B:67:LYS:HG2	20	4.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB2	11	4.61
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB3	11	4.61
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB2	11	4.61
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB3	11	4.61
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB2	11	4.61
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB3	11	4.61
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB2	11	4.61
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB3	11	4.61
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD11	8	4.6
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD12	8	4.6
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD13	8	4.6
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD21	8	4.6
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD22	8	4.6
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD23	8	4.6
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD11	8	4.6
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD12	8	4.6
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD13	8	4.6
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD21	8	4.6
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD22	8	4.6
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD23	8	4.6
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD11	8	4.6
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD12	8	4.6
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD13	8	4.6
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD21	8	4.6
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD22	8	4.6
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD23	8	4.6
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD11	8	4.6
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD12	8	4.6
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD13	8	4.6
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD21	8	4.6
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD22	8	4.6
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD23	8	4.6
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD11	8	4.6
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD12	8	4.6
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD13	8	4.6
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD21	8	4.6
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD22	8	4.6
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD23	8	4.6
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD11	8	4.6
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD12	8	4.6
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD13	8	4.6
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD21	8	4.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD22	8	4.6
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD23	8	4.6
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD11	8	4.6
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD12	8	4.6
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD13	8	4.6
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD21	8	4.6
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD22	8	4.6
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD23	8	4.6
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD11	8	4.6
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD12	8	4.6
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD13	8	4.6
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD21	8	4.6
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD22	8	4.6
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD23	8	4.6
(1,642)	1:A:79:ASP:HB3	1:A:54:LEU:HD11	1	4.6
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD11	1	4.6
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD12	1	4.6
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD13	1	4.6
(1,642)	1:B:79:ASP:HB3	1:A:54:LEU:HD11	1	4.6
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD11	1	4.6
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD12	1	4.6
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD13	1	4.6
(1,642)	1:A:79:ASP:HB3	1:A:54:LEU:HD11	18	4.6
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD11	18	4.6
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD12	18	4.6
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD13	18	4.6
(1,642)	1:B:79:ASP:HB3	1:A:54:LEU:HD11	18	4.6
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD11	18	4.6
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD12	18	4.6
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD13	18	4.6
(1,601)	1:A:64:ALA:HB1	1:A:67:LYS:HG2	19	4.6
(1,601)	1:A:64:ALA:HB1	1:B:67:LYS:HG2	19	4.6
(1,601)	1:B:64:ALA:HB1	1:A:67:LYS:HG2	19	4.6
(1,601)	1:B:64:ALA:HB1	1:B:67:LYS:HG2	19	4.6
(1,460)	1:A:73:SER:HA	1:A:76:GLU:HB2	13	4.6
(1,460)	1:A:73:SER:HA	1:B:76:GLU:HB2	13	4.6
(1,460)	1:B:73:SER:HA	1:A:76:GLU:HB2	13	4.6
(1,460)	1:B:73:SER:HA	1:B:76:GLU:HB2	13	4.6
(1,460)	1:A:73:SER:HA	1:A:76:GLU:HB2	16	4.6
(1,460)	1:A:73:SER:HA	1:B:76:GLU:HB2	16	4.6
(1,460)	1:B:73:SER:HA	1:A:76:GLU:HB2	16	4.6
(1,460)	1:B:73:SER:HA	1:B:76:GLU:HB2	16	4.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,460)	1:A:73:SER:HA	1:A:76:GLU:HB2	17	4.6
(1,460)	1:A:73:SER:HA	1:B:76:GLU:HB2	17	4.6
(1,460)	1:B:73:SER:HA	1:A:76:GLU:HB2	17	4.6
(1,460)	1:B:73:SER:HA	1:B:76:GLU:HB2	17	4.6
(1,1)	1:A:80:ILE:H	1:A:56:GLN:HG2	13	4.6
(1,1)	1:A:80:ILE:H	1:B:56:GLN:HG2	13	4.6
(1,1)	1:B:80:ILE:H	1:A:56:GLN:HG2	13	4.6
(1,1)	1:B:80:ILE:H	1:B:56:GLN:HG2	13	4.6
(1,446)	1:A:77:LYS:HA	1:A:56:GLN:HG2	16	4.59
(1,446)	1:A:77:LYS:HA	1:B:56:GLN:HG2	16	4.59
(1,446)	1:B:77:LYS:HA	1:A:56:GLN:HG2	16	4.59
(1,446)	1:B:77:LYS:HA	1:B:56:GLN:HG2	16	4.59
(1,1)	1:A:80:ILE:H	1:A:56:GLN:HG2	14	4.59
(1,1)	1:A:80:ILE:H	1:B:56:GLN:HG2	14	4.59
(1,1)	1:B:80:ILE:H	1:A:56:GLN:HG2	14	4.59
(1,1)	1:B:80:ILE:H	1:B:56:GLN:HG2	14	4.59
(1,928)	1:A:70:SER:N	1:A:66:LYS:O	10	4.58
(1,928)	1:A:70:SER:N	1:B:66:LYS:O	10	4.58
(1,928)	1:B:70:SER:N	1:A:66:LYS:O	10	4.58
(1,928)	1:B:70:SER:N	1:B:66:LYS:O	10	4.58
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD11	9	4.58
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD12	9	4.58
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD13	9	4.58
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD21	9	4.58
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD22	9	4.58
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD23	9	4.58
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD11	9	4.58
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD12	9	4.58
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD13	9	4.58
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD21	9	4.58
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD22	9	4.58
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD23	9	4.58
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD11	9	4.58
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD12	9	4.58
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD13	9	4.58
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD21	9	4.58
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD22	9	4.58
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD23	9	4.58
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD11	9	4.58
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD12	9	4.58
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD13	9	4.58
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD21	9	4.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD22	9	4.58
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD23	9	4.58
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD11	9	4.58
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD12	9	4.58
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD13	9	4.58
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD21	9	4.58
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD22	9	4.58
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD23	9	4.58
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD11	9	4.58
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD12	9	4.58
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD13	9	4.58
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD21	9	4.58
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD22	9	4.58
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD23	9	4.58
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD11	9	4.58
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD12	9	4.58
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD13	9	4.58
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD21	9	4.58
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD22	9	4.58
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD23	9	4.58
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD11	9	4.58
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD12	9	4.58
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD13	9	4.58
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD21	9	4.58
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD22	9	4.58
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD23	9	4.58
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	16	4.58
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	16	4.58
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	16	4.58
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	16	4.58
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	16	4.58
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	16	4.58
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	16	4.58
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	16	4.58
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	16	4.58
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	16	4.58
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	16	4.58
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	16	4.58
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	16	4.58
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	16	4.58
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	16	4.58
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	16	4.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:A:79:ASP:HB2	1:A:54:LEU:HD11	4	4.58
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD11	4	4.58
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD12	4	4.58
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD13	4	4.58
(1,650)	1:B:79:ASP:HB2	1:A:54:LEU:HD11	4	4.58
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD11	4	4.58
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD12	4	4.58
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD13	4	4.58
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB2	9	4.58
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB3	9	4.58
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB2	9	4.58
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB3	9	4.58
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB2	9	4.58
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB3	9	4.58
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB2	9	4.58
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB3	9	4.58
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD11	17	4.57
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD12	17	4.57
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD13	17	4.57
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD21	17	4.57
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD22	17	4.57
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD23	17	4.57
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD11	17	4.57
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD12	17	4.57
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD13	17	4.57
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD21	17	4.57
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD22	17	4.57
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD23	17	4.57
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD11	17	4.57
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD12	17	4.57
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD13	17	4.57
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD21	17	4.57
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD22	17	4.57
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD23	17	4.57
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD11	17	4.57
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD12	17	4.57
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD13	17	4.57
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD21	17	4.57
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD22	17	4.57
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD23	17	4.57
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD11	17	4.57
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD12	17	4.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD13	17	4.57
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD21	17	4.57
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD22	17	4.57
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD23	17	4.57
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD11	17	4.57
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD12	17	4.57
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD13	17	4.57
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD21	17	4.57
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD22	17	4.57
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD23	17	4.57
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD11	17	4.57
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD12	17	4.57
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD13	17	4.57
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD21	17	4.57
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD22	17	4.57
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD23	17	4.57
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD11	17	4.57
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD12	17	4.57
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD13	17	4.57
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD21	17	4.57
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD22	17	4.57
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD23	17	4.57
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB2	4	4.57
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB3	4	4.57
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB2	4	4.57
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB3	4	4.57
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB2	4	4.57
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB3	4	4.57
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB2	4	4.57
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB3	4	4.57
(1,941)	1:A:78:ALA:N	1:A:74:LYS:O	5	4.56
(1,941)	1:A:78:ALA:N	1:B:74:LYS:O	5	4.56
(1,941)	1:B:78:ALA:N	1:A:74:LYS:O	5	4.56
(1,941)	1:B:78:ALA:N	1:B:74:LYS:O	5	4.56
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	17	4.56
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	17	4.56
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	17	4.56
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	17	4.56
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	17	4.56
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	17	4.56
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	17	4.56
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	17	4.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	17	4.56
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	17	4.56
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	17	4.56
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	17	4.56
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	17	4.56
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	17	4.56
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	17	4.56
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	17	4.56
(1,446)	1:A:77:LYS:HA	1:A:56:GLN:HG2	6	4.56
(1,446)	1:A:77:LYS:HA	1:B:56:GLN:HG2	6	4.56
(1,446)	1:B:77:LYS:HA	1:A:56:GLN:HG2	6	4.56
(1,446)	1:B:77:LYS:HA	1:B:56:GLN:HG2	6	4.56
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB2	20	4.56
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB3	20	4.56
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB2	20	4.56
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB3	20	4.56
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB2	20	4.56
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB3	20	4.56
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB2	20	4.56
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB3	20	4.56
(1,941)	1:A:78:ALA:N	1:A:74:LYS:O	3	4.55
(1,941)	1:A:78:ALA:N	1:B:74:LYS:O	3	4.55
(1,941)	1:B:78:ALA:N	1:A:74:LYS:O	3	4.55
(1,941)	1:B:78:ALA:N	1:B:74:LYS:O	3	4.55
(1,939)	1:A:77:LYS:N	1:A:73:SER:O	14	4.55
(1,939)	1:A:77:LYS:N	1:B:73:SER:O	14	4.55
(1,939)	1:B:77:LYS:N	1:A:73:SER:O	14	4.55
(1,939)	1:B:77:LYS:N	1:B:73:SER:O	14	4.55
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	18	4.55
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	18	4.55
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	18	4.55
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	18	4.55
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	18	4.55
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	18	4.55
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	18	4.55
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	18	4.55
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	18	4.55
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	18	4.55
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	18	4.55
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	18	4.55
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	18	4.55
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	18	4.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	18	4.55
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	18	4.55
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB2	3	4.55
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB3	3	4.55
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB2	3	4.55
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB3	3	4.55
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB2	3	4.55
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB3	3	4.55
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB2	3	4.55
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB3	3	4.55
(1,1)	1:A:80:ILE:H	1:A:56:GLN:HG2	2	4.55
(1,1)	1:A:80:ILE:H	1:B:56:GLN:HG2	2	4.55
(1,1)	1:B:80:ILE:H	1:A:56:GLN:HG2	2	4.55
(1,1)	1:B:80:ILE:H	1:B:56:GLN:HG2	2	4.55
(1,941)	1:A:78:ALA:N	1:A:74:LYS:O	6	4.54
(1,941)	1:A:78:ALA:N	1:B:74:LYS:O	6	4.54
(1,941)	1:B:78:ALA:N	1:A:74:LYS:O	6	4.54
(1,941)	1:B:78:ALA:N	1:B:74:LYS:O	6	4.54
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD11	7	4.54
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD12	7	4.54
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD13	7	4.54
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD21	7	4.54
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD22	7	4.54
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD23	7	4.54
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD11	7	4.54
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD12	7	4.54
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD13	7	4.54
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD21	7	4.54
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD22	7	4.54
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD23	7	4.54
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD11	7	4.54
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD12	7	4.54
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD13	7	4.54
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD21	7	4.54
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD22	7	4.54
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD23	7	4.54
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD11	7	4.54
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD12	7	4.54
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD13	7	4.54
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD21	7	4.54
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD22	7	4.54
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD23	7	4.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD11	7	4.54
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD12	7	4.54
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD13	7	4.54
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD21	7	4.54
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD22	7	4.54
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD23	7	4.54
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD11	7	4.54
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD12	7	4.54
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD13	7	4.54
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD21	7	4.54
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD22	7	4.54
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD23	7	4.54
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD11	7	4.54
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD12	7	4.54
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD13	7	4.54
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD21	7	4.54
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD22	7	4.54
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD23	7	4.54
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD11	7	4.54
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD12	7	4.54
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD13	7	4.54
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD21	7	4.54
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD22	7	4.54
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD23	7	4.54
(1,679)	1:A:92:GLN:HG2	1:A:83:MET:HG2	15	4.54
(1,679)	1:A:92:GLN:HG2	1:B:83:MET:HG2	15	4.54
(1,679)	1:A:92:GLN:HG3	1:A:83:MET:HG2	15	4.54
(1,679)	1:A:92:GLN:HG3	1:B:83:MET:HG2	15	4.54
(1,679)	1:B:92:GLN:HG2	1:A:83:MET:HG2	15	4.54
(1,679)	1:B:92:GLN:HG2	1:B:83:MET:HG2	15	4.54
(1,679)	1:B:92:GLN:HG3	1:A:83:MET:HG2	15	4.54
(1,679)	1:B:92:GLN:HG3	1:B:83:MET:HG2	15	4.54
(1,601)	1:A:64:ALA:HB1	1:A:67:LYS:HG2	12	4.54
(1,601)	1:A:64:ALA:HB1	1:B:67:LYS:HG2	12	4.54
(1,601)	1:B:64:ALA:HB1	1:A:67:LYS:HG2	12	4.54
(1,601)	1:B:64:ALA:HB1	1:B:67:LYS:HG2	12	4.54
(1,446)	1:A:77:LYS:HA	1:A:56:GLN:HG2	17	4.54
(1,446)	1:A:77:LYS:HA	1:B:56:GLN:HG2	17	4.54
(1,446)	1:B:77:LYS:HA	1:A:56:GLN:HG2	17	4.54
(1,446)	1:B:77:LYS:HA	1:B:56:GLN:HG2	17	4.54
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD11	6	4.53
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD12	6	4.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD13	6	4.53
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD21	6	4.53
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD22	6	4.53
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD23	6	4.53
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD11	6	4.53
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD12	6	4.53
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD13	6	4.53
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD21	6	4.53
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD22	6	4.53
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD23	6	4.53
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD11	6	4.53
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD12	6	4.53
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD13	6	4.53
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD21	6	4.53
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD22	6	4.53
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD23	6	4.53
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD11	6	4.53
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD12	6	4.53
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD13	6	4.53
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD21	6	4.53
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD22	6	4.53
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD23	6	4.53
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD11	6	4.53
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD12	6	4.53
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD13	6	4.53
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD21	6	4.53
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD22	6	4.53
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD23	6	4.53
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD11	6	4.53
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD12	6	4.53
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD13	6	4.53
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD21	6	4.53
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD22	6	4.53
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD23	6	4.53
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD11	6	4.53
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD12	6	4.53
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD13	6	4.53
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD21	6	4.53
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD22	6	4.53
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD23	6	4.53
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD11	6	4.53
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD12	6	4.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD13	6	4.53
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD21	6	4.53
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD22	6	4.53
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD23	6	4.53
(1,603)	1:A:64:ALA:HB2	1:A:67:LYS:HG2	1	4.53
(1,603)	1:A:64:ALA:HB2	1:B:67:LYS:HG2	1	4.53
(1,603)	1:B:64:ALA:HB2	1:A:67:LYS:HG2	1	4.53
(1,603)	1:B:64:ALA:HB2	1:B:67:LYS:HG2	1	4.53
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB2	16	4.53
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB3	16	4.53
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB2	16	4.53
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB3	16	4.53
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB2	16	4.53
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB3	16	4.53
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB2	16	4.53
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB3	16	4.53
(1,99)	1:A:66:LYS:HE2	1:A:92:GLN:H	12	4.52
(1,99)	1:A:66:LYS:HE2	1:B:92:GLN:H	12	4.52
(1,99)	1:B:66:LYS:HE2	1:A:92:GLN:H	12	4.52
(1,99)	1:B:66:LYS:HE2	1:B:92:GLN:H	12	4.52
(1,99)	1:B:66:LYS:HE3	1:A:92:GLN:H	12	4.52
(1,99)	1:B:66:LYS:HE3	1:B:92:GLN:H	12	4.52
(1,650)	1:A:79:ASP:HB2	1:A:54:LEU:HD11	19	4.52
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD11	19	4.52
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD12	19	4.52
(1,650)	1:A:79:ASP:HB2	1:B:54:LEU:HD13	19	4.52
(1,650)	1:B:79:ASP:HB2	1:A:54:LEU:HD11	19	4.52
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD11	19	4.52
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD12	19	4.52
(1,650)	1:B:79:ASP:HB2	1:B:54:LEU:HD13	19	4.52
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB2	8	4.52
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB3	8	4.52
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB2	8	4.52
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB3	8	4.52
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB2	8	4.52
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB3	8	4.52
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB2	8	4.52
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB3	8	4.52
(1,1)	1:A:80:ILE:H	1:A:56:GLN:HG2	20	4.52
(1,1)	1:A:80:ILE:H	1:B:56:GLN:HG2	20	4.52
(1,1)	1:B:80:ILE:H	1:A:56:GLN:HG2	20	4.52
(1,1)	1:B:80:ILE:H	1:B:56:GLN:HG2	20	4.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD11	15	4.5
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD12	15	4.5
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD13	15	4.5
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD21	15	4.5
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD22	15	4.5
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD23	15	4.5
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD11	15	4.5
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD12	15	4.5
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD13	15	4.5
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD21	15	4.5
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD22	15	4.5
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD23	15	4.5
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD11	15	4.5
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD12	15	4.5
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD13	15	4.5
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD21	15	4.5
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD22	15	4.5
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD23	15	4.5
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD11	15	4.5
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD12	15	4.5
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD13	15	4.5
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD21	15	4.5
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD22	15	4.5
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD23	15	4.5
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD11	15	4.5
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD12	15	4.5
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD13	15	4.5
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD21	15	4.5
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD22	15	4.5
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD23	15	4.5
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD11	15	4.5
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD12	15	4.5
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD13	15	4.5
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD21	15	4.5
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD22	15	4.5
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD23	15	4.5
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD11	15	4.5
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD12	15	4.5
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD13	15	4.5
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD21	15	4.5
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD22	15	4.5
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD23	15	4.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD11	15	4.5
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD12	15	4.5
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD13	15	4.5
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD21	15	4.5
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD22	15	4.5
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD23	15	4.5
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	10	4.5
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	10	4.5
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	10	4.5
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	10	4.5
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	10	4.5
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	10	4.5
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	10	4.5
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	10	4.5
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	10	4.5
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	10	4.5
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	10	4.5
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	10	4.5
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	10	4.5
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	10	4.5
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	10	4.5
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	10	4.5
(1,642)	1:A:79:ASP:HB3	1:A:54:LEU:HD11	4	4.5
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD11	4	4.5
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD12	4	4.5
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD13	4	4.5
(1,642)	1:B:79:ASP:HB3	1:A:54:LEU:HD11	4	4.5
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD11	4	4.5
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD12	4	4.5
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD13	4	4.5
(1,601)	1:A:64:ALA:HB1	1:A:67:LYS:HG2	11	4.5
(1,601)	1:A:64:ALA:HB1	1:B:67:LYS:HG2	11	4.5
(1,601)	1:B:64:ALA:HB1	1:A:67:LYS:HG2	11	4.5
(1,601)	1:B:64:ALA:HB1	1:B:67:LYS:HG2	11	4.5
(1,460)	1:A:73:SER:HA	1:A:76:GLU:HB2	11	4.5
(1,460)	1:A:73:SER:HA	1:B:76:GLU:HB2	11	4.5
(1,460)	1:B:73:SER:HA	1:A:76:GLU:HB2	11	4.5
(1,460)	1:B:73:SER:HA	1:B:76:GLU:HB2	11	4.5
(1,432)	1:A:90:ASN:HA	1:A:65:LEU:HG	3	4.5
(1,432)	1:A:90:ASN:HA	1:B:65:LEU:HG	3	4.5
(1,432)	1:B:90:ASN:HA	1:A:65:LEU:HG	3	4.5
(1,432)	1:B:90:ASN:HA	1:B:65:LEU:HG	3	4.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1)	1:A:80:ILE:H	1:A:56:GLN:HG2	15	4.5
(1,1)	1:A:80:ILE:H	1:B:56:GLN:HG2	15	4.5
(1,1)	1:B:80:ILE:H	1:A:56:GLN:HG2	15	4.5
(1,1)	1:B:80:ILE:H	1:B:56:GLN:HG2	15	4.5
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD11	16	4.49
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD12	16	4.49
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD13	16	4.49
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD21	16	4.49
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD22	16	4.49
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD23	16	4.49
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD11	16	4.49
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD12	16	4.49
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD13	16	4.49
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD21	16	4.49
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD22	16	4.49
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD23	16	4.49
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD11	16	4.49
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD12	16	4.49
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD13	16	4.49
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD21	16	4.49
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD22	16	4.49
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD23	16	4.49
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD11	16	4.49
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD12	16	4.49
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD13	16	4.49
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD21	16	4.49
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD22	16	4.49
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD23	16	4.49
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD11	16	4.49
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD12	16	4.49
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD13	16	4.49
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD21	16	4.49
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD22	16	4.49
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD23	16	4.49
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD11	16	4.49
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD12	16	4.49
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD13	16	4.49
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD21	16	4.49
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD22	16	4.49
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD23	16	4.49
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD11	16	4.49
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD12	16	4.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD13	16	4.49
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD21	16	4.49
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD22	16	4.49
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD23	16	4.49
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD11	16	4.49
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD12	16	4.49
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD13	16	4.49
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD21	16	4.49
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD22	16	4.49
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD23	16	4.49
(1,941)	1:A:78:ALA:N	1:A:74:LYS:O	1	4.48
(1,941)	1:A:78:ALA:N	1:B:74:LYS:O	1	4.48
(1,941)	1:B:78:ALA:N	1:A:74:LYS:O	1	4.48
(1,941)	1:B:78:ALA:N	1:B:74:LYS:O	1	4.48
(1,446)	1:A:77:LYS:HA	1:A:56:GLN:HG2	8	4.48
(1,446)	1:A:77:LYS:HA	1:B:56:GLN:HG2	8	4.48
(1,446)	1:B:77:LYS:HA	1:A:56:GLN:HG2	8	4.48
(1,446)	1:B:77:LYS:HA	1:B:56:GLN:HG2	8	4.48
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB2	1	4.48
(1,23)	1:A:64:ALA:H	1:A:68:ASP:HB3	1	4.48
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB2	1	4.48
(1,23)	1:A:64:ALA:H	1:B:68:ASP:HB3	1	4.48
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB2	1	4.48
(1,23)	1:B:64:ALA:H	1:A:68:ASP:HB3	1	4.48
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB2	1	4.48
(1,23)	1:B:64:ALA:H	1:B:68:ASP:HB3	1	4.48
(1,1)	1:A:80:ILE:H	1:A:56:GLN:HG2	3	4.48
(1,1)	1:A:80:ILE:H	1:B:56:GLN:HG2	3	4.48
(1,1)	1:B:80:ILE:H	1:A:56:GLN:HG2	3	4.48
(1,1)	1:B:80:ILE:H	1:B:56:GLN:HG2	3	4.48
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD11	1	4.46
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD12	1	4.46
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD13	1	4.46
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD21	1	4.46
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD22	1	4.46
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD23	1	4.46
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD11	1	4.46
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD12	1	4.46
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD13	1	4.46
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD21	1	4.46
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD22	1	4.46
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD23	1	4.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD11	1	4.46
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD12	1	4.46
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD13	1	4.46
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD21	1	4.46
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD22	1	4.46
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD23	1	4.46
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD11	1	4.46
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD12	1	4.46
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD13	1	4.46
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD21	1	4.46
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD22	1	4.46
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD23	1	4.46
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD11	1	4.46
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD12	1	4.46
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD13	1	4.46
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD21	1	4.46
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD22	1	4.46
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD23	1	4.46
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD11	1	4.46
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD12	1	4.46
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD13	1	4.46
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD21	1	4.46
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD22	1	4.46
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD23	1	4.46
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD11	1	4.46
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD12	1	4.46
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD13	1	4.46
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD21	1	4.46
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD22	1	4.46
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD23	1	4.46
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD11	1	4.46
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD12	1	4.46
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD13	1	4.46
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD21	1	4.46
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD22	1	4.46
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD23	1	4.46
(1,635)	1:A:89:ARG:HB2	1:A:65:LEU:HG	12	4.46
(1,635)	1:A:89:ARG:HB2	1:B:65:LEU:HG	12	4.46
(1,635)	1:A:89:ARG:HB3	1:A:65:LEU:HG	12	4.46
(1,635)	1:A:89:ARG:HB3	1:B:65:LEU:HG	12	4.46
(1,635)	1:B:89:ARG:HB2	1:A:65:LEU:HG	12	4.46
(1,635)	1:B:89:ARG:HB2	1:B:65:LEU:HG	12	4.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,635)	1:B:89:ARG:HB3	1:A:65:LEU:HG	12	4.46
(1,635)	1:B:89:ARG:HB3	1:B:65:LEU:HG	12	4.46
(1,446)	1:A:77:LYS:HA	1:A:56:GLN:HG2	10	4.46
(1,446)	1:A:77:LYS:HA	1:B:56:GLN:HG2	10	4.46
(1,446)	1:B:77:LYS:HA	1:A:56:GLN:HG2	10	4.46
(1,446)	1:B:77:LYS:HA	1:B:56:GLN:HG2	10	4.46
(1,1)	1:A:80:ILE:H	1:A:56:GLN:HG2	12	4.46
(1,1)	1:A:80:ILE:H	1:B:56:GLN:HG2	12	4.46
(1,1)	1:B:80:ILE:H	1:A:56:GLN:HG2	12	4.46
(1,1)	1:B:80:ILE:H	1:B:56:GLN:HG2	12	4.46
(1,635)	1:A:89:ARG:HB2	1:A:65:LEU:HG	5	4.45
(1,635)	1:A:89:ARG:HB2	1:B:65:LEU:HG	5	4.45
(1,635)	1:A:89:ARG:HB3	1:A:65:LEU:HG	5	4.45
(1,635)	1:A:89:ARG:HB3	1:B:65:LEU:HG	5	4.45
(1,635)	1:B:89:ARG:HB2	1:A:65:LEU:HG	5	4.45
(1,635)	1:B:89:ARG:HB2	1:B:65:LEU:HG	5	4.45
(1,635)	1:B:89:ARG:HB3	1:A:65:LEU:HG	5	4.45
(1,635)	1:B:89:ARG:HB3	1:B:65:LEU:HG	5	4.45
(1,446)	1:A:77:LYS:HA	1:A:56:GLN:HG2	7	4.45
(1,446)	1:A:77:LYS:HA	1:B:56:GLN:HG2	7	4.45
(1,446)	1:B:77:LYS:HA	1:A:56:GLN:HG2	7	4.45
(1,446)	1:B:77:LYS:HA	1:B:56:GLN:HG2	7	4.45
(1,1)	1:A:80:ILE:H	1:A:56:GLN:HG2	8	4.45
(1,1)	1:A:80:ILE:H	1:B:56:GLN:HG2	8	4.45
(1,1)	1:B:80:ILE:H	1:A:56:GLN:HG2	8	4.45
(1,1)	1:B:80:ILE:H	1:B:56:GLN:HG2	8	4.45
(1,432)	1:A:90:ASN:HA	1:A:65:LEU:HG	4	4.44
(1,432)	1:A:90:ASN:HA	1:B:65:LEU:HG	4	4.44
(1,432)	1:B:90:ASN:HA	1:A:65:LEU:HG	4	4.44
(1,432)	1:B:90:ASN:HA	1:B:65:LEU:HG	4	4.44
(1,446)	1:A:77:LYS:HA	1:A:56:GLN:HG2	18	4.43
(1,446)	1:A:77:LYS:HA	1:B:56:GLN:HG2	18	4.43
(1,446)	1:B:77:LYS:HA	1:A:56:GLN:HG2	18	4.43
(1,446)	1:B:77:LYS:HA	1:B:56:GLN:HG2	18	4.43
(1,1)	1:A:80:ILE:H	1:A:56:GLN:HG2	9	4.43
(1,1)	1:A:80:ILE:H	1:B:56:GLN:HG2	9	4.43
(1,1)	1:B:80:ILE:H	1:A:56:GLN:HG2	9	4.43
(1,1)	1:B:80:ILE:H	1:B:56:GLN:HG2	9	4.43
(1,642)	1:A:79:ASP:HB3	1:A:54:LEU:HD11	15	4.42
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD11	15	4.42
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD12	15	4.42
(1,642)	1:A:79:ASP:HB3	1:B:54:LEU:HD13	15	4.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,642)	1:B:79:ASP:HB3	1:A:54:LEU:HD11	15	4.42
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD11	15	4.42
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD12	15	4.42
(1,642)	1:B:79:ASP:HB3	1:B:54:LEU:HD13	15	4.42
(1,603)	1:A:64:ALA:HB2	1:A:67:LYS:HG2	13	4.42
(1,603)	1:A:64:ALA:HB2	1:B:67:LYS:HG2	13	4.42
(1,603)	1:B:64:ALA:HB2	1:A:67:LYS:HG2	13	4.42
(1,603)	1:B:64:ALA:HB2	1:B:67:LYS:HG2	13	4.42
(1,446)	1:A:77:LYS:HA	1:A:56:GLN:HG2	13	4.42
(1,446)	1:A:77:LYS:HA	1:B:56:GLN:HG2	13	4.42
(1,446)	1:B:77:LYS:HA	1:A:56:GLN:HG2	13	4.42
(1,446)	1:B:77:LYS:HA	1:B:56:GLN:HG2	13	4.42
(1,928)	1:A:70:SER:N	1:A:66:LYS:O	17	4.41
(1,928)	1:A:70:SER:N	1:B:66:LYS:O	17	4.41
(1,928)	1:B:70:SER:N	1:A:66:LYS:O	17	4.41
(1,928)	1:B:70:SER:N	1:B:66:LYS:O	17	4.41
(1,840)	1:A:87:HIS:HD1	1:A:72:HIS:HA	13	4.41
(1,840)	1:A:87:HIS:HD1	1:B:72:HIS:HA	13	4.41
(1,840)	1:A:87:HIS:HD2	1:A:72:HIS:HA	13	4.41
(1,840)	1:A:87:HIS:HD2	1:B:72:HIS:HA	13	4.41
(1,840)	1:B:87:HIS:HD1	1:A:72:HIS:HA	13	4.41
(1,840)	1:B:87:HIS:HD1	1:B:72:HIS:HA	13	4.41
(1,840)	1:B:87:HIS:HD2	1:A:72:HIS:HA	13	4.41
(1,840)	1:B:87:HIS:HD2	1:B:72:HIS:HA	13	4.41
(1,460)	1:A:73:SER:HA	1:A:76:GLU:HB2	9	4.41
(1,460)	1:A:73:SER:HA	1:B:76:GLU:HB2	9	4.41
(1,460)	1:B:73:SER:HA	1:A:76:GLU:HB2	9	4.41
(1,460)	1:B:73:SER:HA	1:B:76:GLU:HB2	9	4.41
(1,446)	1:A:77:LYS:HA	1:A:56:GLN:HG2	3	4.41
(1,446)	1:A:77:LYS:HA	1:B:56:GLN:HG2	3	4.41
(1,446)	1:B:77:LYS:HA	1:A:56:GLN:HG2	3	4.41
(1,446)	1:B:77:LYS:HA	1:B:56:GLN:HG2	3	4.41
(1,432)	1:A:90:ASN:HA	1:A:65:LEU:HG	6	4.41
(1,432)	1:A:90:ASN:HA	1:B:65:LEU:HG	6	4.41
(1,432)	1:B:90:ASN:HA	1:A:65:LEU:HG	6	4.41
(1,432)	1:B:90:ASN:HA	1:B:65:LEU:HG	6	4.41
(1,941)	1:A:78:ALA:N	1:A:74:LYS:O	15	4.4
(1,941)	1:A:78:ALA:N	1:B:74:LYS:O	15	4.4
(1,941)	1:B:78:ALA:N	1:A:74:LYS:O	15	4.4
(1,941)	1:B:78:ALA:N	1:B:74:LYS:O	15	4.4
(1,99)	1:A:66:LYS:HE2	1:A:92:GLN:H	18	4.39
(1,99)	1:A:66:LYS:HE2	1:B:92:GLN:H	18	4.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:B:66:LYS:HE2	1:A:92:GLN:H	18	4.39
(1,99)	1:B:66:LYS:HE2	1:B:92:GLN:H	18	4.39
(1,99)	1:B:66:LYS:HE3	1:A:92:GLN:H	18	4.39
(1,99)	1:B:66:LYS:HE3	1:B:92:GLN:H	18	4.39
(1,446)	1:A:77:LYS:HA	1:A:56:GLN:HG2	12	4.39
(1,446)	1:A:77:LYS:HA	1:B:56:GLN:HG2	12	4.39
(1,446)	1:B:77:LYS:HA	1:A:56:GLN:HG2	12	4.39
(1,446)	1:B:77:LYS:HA	1:B:56:GLN:HG2	12	4.39
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD11	18	4.38
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD12	18	4.38
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD13	18	4.38
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD21	18	4.38
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD22	18	4.38
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD23	18	4.38
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD11	18	4.38
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD12	18	4.38
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD13	18	4.38
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD21	18	4.38
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD22	18	4.38
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD23	18	4.38
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD11	18	4.38
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD12	18	4.38
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD13	18	4.38
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD21	18	4.38
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD22	18	4.38
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD23	18	4.38
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD11	18	4.38
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD12	18	4.38
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD13	18	4.38
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD21	18	4.38
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD22	18	4.38
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD23	18	4.38
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD11	18	4.38
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD12	18	4.38
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD13	18	4.38
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD21	18	4.38
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD22	18	4.38
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD23	18	4.38
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD11	18	4.38
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD12	18	4.38
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD13	18	4.38
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD21	18	4.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD22	18	4.38
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD23	18	4.38
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD11	18	4.38
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD12	18	4.38
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD13	18	4.38
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD21	18	4.38
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD22	18	4.38
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD23	18	4.38
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD11	18	4.38
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD12	18	4.38
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD13	18	4.38
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD21	18	4.38
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD22	18	4.38
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD23	18	4.38
(1,635)	1:A:89:ARG:HB2	1:A:65:LEU:HG	4	4.38
(1,635)	1:A:89:ARG:HB2	1:B:65:LEU:HG	4	4.38
(1,635)	1:A:89:ARG:HB3	1:A:65:LEU:HG	4	4.38
(1,635)	1:A:89:ARG:HB3	1:B:65:LEU:HG	4	4.38
(1,635)	1:B:89:ARG:HB2	1:A:65:LEU:HG	4	4.38
(1,635)	1:B:89:ARG:HB2	1:B:65:LEU:HG	4	4.38
(1,635)	1:B:89:ARG:HB3	1:A:65:LEU:HG	4	4.38
(1,635)	1:B:89:ARG:HB3	1:B:65:LEU:HG	4	4.38
(1,941)	1:A:78:ALA:N	1:A:74:LYS:O	9	4.37
(1,941)	1:A:78:ALA:N	1:B:74:LYS:O	9	4.37
(1,941)	1:B:78:ALA:N	1:A:74:LYS:O	9	4.37
(1,941)	1:B:78:ALA:N	1:B:74:LYS:O	9	4.37
(1,714)	1:A:86:LYS:HD3	1:A:84:THR:HA	6	4.37
(1,714)	1:A:86:LYS:HD3	1:B:84:THR:HA	6	4.37
(1,714)	1:B:86:LYS:HD3	1:A:84:THR:HA	6	4.37
(1,714)	1:B:86:LYS:HD3	1:B:84:THR:HA	6	4.37
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG21	6	4.37
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG22	6	4.37
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG23	6	4.37
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG21	6	4.37
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG22	6	4.37
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG23	6	4.37
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG21	6	4.37
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG22	6	4.37
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG23	6	4.37
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG21	6	4.37
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG22	6	4.37
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG23	6	4.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,635)	1:A:89:ARG:HB2	1:A:65:LEU:HG	17	4.37
(1,635)	1:A:89:ARG:HB2	1:B:65:LEU:HG	17	4.37
(1,635)	1:A:89:ARG:HB3	1:A:65:LEU:HG	17	4.37
(1,635)	1:A:89:ARG:HB3	1:B:65:LEU:HG	17	4.37
(1,635)	1:B:89:ARG:HB2	1:A:65:LEU:HG	17	4.37
(1,635)	1:B:89:ARG:HB2	1:B:65:LEU:HG	17	4.37
(1,635)	1:B:89:ARG:HB3	1:A:65:LEU:HG	17	4.37
(1,635)	1:B:89:ARG:HB3	1:B:65:LEU:HG	17	4.37
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG2	17	4.37
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG3	17	4.37
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG2	17	4.37
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG3	17	4.37
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG2	17	4.37
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG3	17	4.37
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG2	17	4.37
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG3	17	4.37
(1,446)	1:A:77:LYS:HA	1:A:56:GLN:HG2	4	4.37
(1,446)	1:A:77:LYS:HA	1:B:56:GLN:HG2	4	4.37
(1,446)	1:B:77:LYS:HA	1:A:56:GLN:HG2	4	4.37
(1,446)	1:B:77:LYS:HA	1:B:56:GLN:HG2	4	4.37
(1,446)	1:A:77:LYS:HA	1:A:56:GLN:HG2	15	4.37
(1,446)	1:A:77:LYS:HA	1:B:56:GLN:HG2	15	4.37
(1,446)	1:B:77:LYS:HA	1:A:56:GLN:HG2	15	4.37
(1,446)	1:B:77:LYS:HA	1:B:56:GLN:HG2	15	4.37
(1,99)	1:A:66:LYS:HE2	1:A:92:GLN:H	2	4.36
(1,99)	1:A:66:LYS:HE2	1:B:92:GLN:H	2	4.36
(1,99)	1:B:66:LYS:HE2	1:A:92:GLN:H	2	4.36
(1,99)	1:B:66:LYS:HE2	1:B:92:GLN:H	2	4.36
(1,99)	1:B:66:LYS:HE3	1:A:92:GLN:H	2	4.36
(1,99)	1:B:66:LYS:HE3	1:B:92:GLN:H	2	4.36
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD11	2	4.36
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD12	2	4.36
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD13	2	4.36
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD21	2	4.36
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD22	2	4.36
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD23	2	4.36
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD11	2	4.36
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD12	2	4.36
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD13	2	4.36
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD21	2	4.36
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD22	2	4.36
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD23	2	4.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD11	2	4.36
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD12	2	4.36
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD13	2	4.36
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD21	2	4.36
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD22	2	4.36
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD23	2	4.36
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD11	2	4.36
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD12	2	4.36
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD13	2	4.36
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD21	2	4.36
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD22	2	4.36
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD23	2	4.36
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD11	2	4.36
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD12	2	4.36
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD13	2	4.36
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD21	2	4.36
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD22	2	4.36
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD23	2	4.36
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD11	2	4.36
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD12	2	4.36
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD13	2	4.36
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD21	2	4.36
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD22	2	4.36
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD23	2	4.36
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD11	2	4.36
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD12	2	4.36
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD13	2	4.36
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD21	2	4.36
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD22	2	4.36
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD23	2	4.36
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD11	2	4.36
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD12	2	4.36
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD13	2	4.36
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD21	2	4.36
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD22	2	4.36
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD23	2	4.36
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	8	4.36
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	8	4.36
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	8	4.36
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	8	4.36
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	8	4.36
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	8	4.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	8	4.36
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	8	4.36
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	8	4.36
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	8	4.36
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	8	4.36
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	8	4.36
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	8	4.36
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	8	4.36
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	8	4.36
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	8	4.36
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG21	20	4.36
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG22	20	4.36
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG23	20	4.36
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG21	20	4.36
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG22	20	4.36
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG23	20	4.36
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG21	20	4.36
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG22	20	4.36
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG23	20	4.36
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG21	20	4.36
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG22	20	4.36
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG23	20	4.36
(1,635)	1:A:89:ARG:HB2	1:A:65:LEU:HG	8	4.36
(1,635)	1:A:89:ARG:HB2	1:B:65:LEU:HG	8	4.36
(1,635)	1:A:89:ARG:HB3	1:A:65:LEU:HG	8	4.36
(1,635)	1:A:89:ARG:HB3	1:B:65:LEU:HG	8	4.36
(1,635)	1:B:89:ARG:HB2	1:A:65:LEU:HG	8	4.36
(1,635)	1:B:89:ARG:HB2	1:B:65:LEU:HG	8	4.36
(1,635)	1:B:89:ARG:HB3	1:A:65:LEU:HG	8	4.36
(1,635)	1:B:89:ARG:HB3	1:B:65:LEU:HG	8	4.36
(1,603)	1:A:64:ALA:HB2	1:A:67:LYS:HG2	4	4.36
(1,603)	1:A:64:ALA:HB2	1:B:67:LYS:HG2	4	4.36
(1,603)	1:B:64:ALA:HB2	1:A:67:LYS:HG2	4	4.36
(1,603)	1:B:64:ALA:HB2	1:B:67:LYS:HG2	4	4.36
(1,940)	1:A:78:ALA:H	1:A:74:LYS:O	19	4.35
(1,940)	1:A:78:ALA:H	1:B:74:LYS:O	19	4.35
(1,940)	1:B:78:ALA:H	1:A:74:LYS:O	19	4.35
(1,940)	1:B:78:ALA:H	1:B:74:LYS:O	19	4.35
(1,941)	1:A:78:ALA:N	1:A:74:LYS:O	16	4.34
(1,941)	1:A:78:ALA:N	1:B:74:LYS:O	16	4.34
(1,941)	1:B:78:ALA:N	1:A:74:LYS:O	16	4.34
(1,941)	1:B:78:ALA:N	1:B:74:LYS:O	16	4.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG21	9	4.34
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG22	9	4.34
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG23	9	4.34
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG21	9	4.34
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG22	9	4.34
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG23	9	4.34
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG21	9	4.34
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG22	9	4.34
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG23	9	4.34
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG21	9	4.34
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG22	9	4.34
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG23	9	4.34
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG21	14	4.34
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG22	14	4.34
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG23	14	4.34
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG21	14	4.34
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG22	14	4.34
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG23	14	4.34
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG21	14	4.34
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG22	14	4.34
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG23	14	4.34
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG21	14	4.34
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG22	14	4.34
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG23	14	4.34
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB2	13	4.34
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB3	13	4.34
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB2	13	4.34
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB3	13	4.34
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB2	13	4.34
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB3	13	4.34
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB2	13	4.34
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB3	13	4.34
(1,941)	1:A:78:ALA:N	1:A:74:LYS:O	12	4.33
(1,941)	1:A:78:ALA:N	1:B:74:LYS:O	12	4.33
(1,941)	1:B:78:ALA:N	1:A:74:LYS:O	12	4.33
(1,941)	1:B:78:ALA:N	1:B:74:LYS:O	12	4.33
(1,226)	1:A:81:LEU:H	1:A:56:GLN:HE21	20	4.33
(1,226)	1:A:81:LEU:H	1:B:56:GLN:HE21	20	4.33
(1,226)	1:B:81:LEU:H	1:A:56:GLN:HE21	20	4.33
(1,226)	1:B:81:LEU:H	1:B:56:GLN:HE21	20	4.33
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD11	11	4.32
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD12	11	4.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD13	11	4.32
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD21	11	4.32
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD22	11	4.32
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD23	11	4.32
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD11	11	4.32
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD12	11	4.32
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD13	11	4.32
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD21	11	4.32
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD22	11	4.32
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD23	11	4.32
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD11	11	4.32
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD12	11	4.32
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD13	11	4.32
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD21	11	4.32
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD22	11	4.32
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD23	11	4.32
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD11	11	4.32
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD12	11	4.32
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD13	11	4.32
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD21	11	4.32
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD22	11	4.32
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD23	11	4.32
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD11	11	4.32
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD12	11	4.32
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD13	11	4.32
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD21	11	4.32
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD22	11	4.32
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD23	11	4.32
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD11	11	4.32
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD12	11	4.32
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD13	11	4.32
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD21	11	4.32
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD22	11	4.32
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD23	11	4.32
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD11	11	4.32
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD12	11	4.32
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD13	11	4.32
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD21	11	4.32
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD22	11	4.32
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD23	11	4.32
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD11	11	4.32
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD12	11	4.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD13	11	4.32
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD21	11	4.32
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD22	11	4.32
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD23	11	4.32
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG21	7	4.32
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG22	7	4.32
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG23	7	4.32
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG21	7	4.32
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG22	7	4.32
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG23	7	4.32
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG21	7	4.32
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG22	7	4.32
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG23	7	4.32
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG21	7	4.32
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG22	7	4.32
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG23	7	4.32
(1,99)	1:A:66:LYS:HE2	1:A:92:GLN:H	7	4.31
(1,99)	1:A:66:LYS:HE2	1:B:92:GLN:H	7	4.31
(1,99)	1:B:66:LYS:HE2	1:A:92:GLN:H	7	4.31
(1,99)	1:B:66:LYS:HE2	1:B:92:GLN:H	7	4.31
(1,99)	1:B:66:LYS:HE3	1:A:92:GLN:H	7	4.31
(1,99)	1:B:66:LYS:HE3	1:B:92:GLN:H	7	4.31
(1,601)	1:A:64:ALA:HB1	1:A:67:LYS:HG2	15	4.31
(1,601)	1:A:64:ALA:HB1	1:B:67:LYS:HG2	15	4.31
(1,601)	1:B:64:ALA:HB1	1:A:67:LYS:HG2	15	4.31
(1,601)	1:B:64:ALA:HB1	1:B:67:LYS:HG2	15	4.31
(1,679)	1:A:92:GLN:HG2	1:A:83:MET:HG2	1	4.3
(1,679)	1:A:92:GLN:HG2	1:B:83:MET:HG2	1	4.3
(1,679)	1:A:92:GLN:HG3	1:A:83:MET:HG2	1	4.3
(1,679)	1:A:92:GLN:HG3	1:B:83:MET:HG2	1	4.3
(1,679)	1:B:92:GLN:HG2	1:A:83:MET:HG2	1	4.3
(1,679)	1:B:92:GLN:HG2	1:B:83:MET:HG2	1	4.3
(1,679)	1:B:92:GLN:HG3	1:A:83:MET:HG2	1	4.3
(1,679)	1:B:92:GLN:HG3	1:B:83:MET:HG2	1	4.3
(1,635)	1:A:89:ARG:HB2	1:A:65:LEU:HG	3	4.3
(1,635)	1:A:89:ARG:HB2	1:B:65:LEU:HG	3	4.3
(1,635)	1:A:89:ARG:HB3	1:A:65:LEU:HG	3	4.3
(1,635)	1:A:89:ARG:HB3	1:B:65:LEU:HG	3	4.3
(1,635)	1:B:89:ARG:HB2	1:A:65:LEU:HG	3	4.3
(1,635)	1:B:89:ARG:HB2	1:B:65:LEU:HG	3	4.3
(1,635)	1:B:89:ARG:HB3	1:A:65:LEU:HG	3	4.3
(1,635)	1:B:89:ARG:HB3	1:B:65:LEU:HG	3	4.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,446)	1:A:77:LYS:HA	1:A:56:GLN:HG2	20	4.3
(1,446)	1:A:77:LYS:HA	1:B:56:GLN:HG2	20	4.3
(1,446)	1:B:77:LYS:HA	1:A:56:GLN:HG2	20	4.3
(1,446)	1:B:77:LYS:HA	1:B:56:GLN:HG2	20	4.3
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB2	9	4.3
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB3	9	4.3
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB2	9	4.3
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB3	9	4.3
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB2	9	4.3
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB3	9	4.3
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB2	9	4.3
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB3	9	4.3
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD11	10	4.29
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD12	10	4.29
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD13	10	4.29
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD21	10	4.29
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD22	10	4.29
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD23	10	4.29
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD11	10	4.29
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD12	10	4.29
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD13	10	4.29
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD21	10	4.29
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD22	10	4.29
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD23	10	4.29
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD11	10	4.29
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD12	10	4.29
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD13	10	4.29
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD21	10	4.29
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD22	10	4.29
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD23	10	4.29
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD11	10	4.29
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD12	10	4.29
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD13	10	4.29
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD21	10	4.29
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD22	10	4.29
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD23	10	4.29
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD11	10	4.29
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD12	10	4.29
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD13	10	4.29
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD21	10	4.29
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD22	10	4.29
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD23	10	4.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD11	10	4.29
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD12	10	4.29
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD13	10	4.29
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD21	10	4.29
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD22	10	4.29
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD23	10	4.29
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD11	10	4.29
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD12	10	4.29
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD13	10	4.29
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD21	10	4.29
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD22	10	4.29
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD23	10	4.29
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD11	10	4.29
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD12	10	4.29
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD13	10	4.29
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD21	10	4.29
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD22	10	4.29
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD23	10	4.29
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	11	4.29
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	11	4.29
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	11	4.29
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	11	4.29
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	11	4.29
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	11	4.29
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	11	4.29
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	11	4.29
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	11	4.29
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	11	4.29
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	11	4.29
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	11	4.29
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	11	4.29
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	11	4.29
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	11	4.29
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	11	4.29
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG21	17	4.29
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG22	17	4.29
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG23	17	4.29
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG21	17	4.29
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG22	17	4.29
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG23	17	4.29
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG21	17	4.29
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG22	17	4.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG23	17	4.29
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG21	17	4.29
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG22	17	4.29
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG23	17	4.29
(1,226)	1:A:81:LEU:H	1:A:56:GLN:HE21	5	4.29
(1,226)	1:A:81:LEU:H	1:B:56:GLN:HE21	5	4.29
(1,226)	1:B:81:LEU:H	1:A:56:GLN:HE21	5	4.29
(1,226)	1:B:81:LEU:H	1:B:56:GLN:HE21	5	4.29
(1,460)	1:A:73:SER:HA	1:A:76:GLU:HB2	4	4.28
(1,460)	1:A:73:SER:HA	1:B:76:GLU:HB2	4	4.28
(1,460)	1:B:73:SER:HA	1:A:76:GLU:HB2	4	4.28
(1,460)	1:B:73:SER:HA	1:B:76:GLU:HB2	4	4.28
(1,601)	1:A:64:ALA:HB1	1:A:67:LYS:HG2	14	4.27
(1,601)	1:A:64:ALA:HB1	1:B:67:LYS:HG2	14	4.27
(1,601)	1:B:64:ALA:HB1	1:A:67:LYS:HG2	14	4.27
(1,601)	1:B:64:ALA:HB1	1:B:67:LYS:HG2	14	4.27
(1,446)	1:A:77:LYS:HA	1:A:56:GLN:HG2	11	4.27
(1,446)	1:A:77:LYS:HA	1:B:56:GLN:HG2	11	4.27
(1,446)	1:B:77:LYS:HA	1:A:56:GLN:HG2	11	4.27
(1,446)	1:B:77:LYS:HA	1:B:56:GLN:HG2	11	4.27
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD11	4	4.26
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD12	4	4.26
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD13	4	4.26
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD21	4	4.26
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD22	4	4.26
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD23	4	4.26
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD11	4	4.26
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD12	4	4.26
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD13	4	4.26
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD21	4	4.26
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD22	4	4.26
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD23	4	4.26
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD11	4	4.26
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD12	4	4.26
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD13	4	4.26
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD21	4	4.26
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD22	4	4.26
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD23	4	4.26
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD11	4	4.26
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD12	4	4.26
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD13	4	4.26
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD21	4	4.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD22	4	4.26
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD23	4	4.26
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD11	4	4.26
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD12	4	4.26
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD13	4	4.26
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD21	4	4.26
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD22	4	4.26
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD23	4	4.26
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD11	4	4.26
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD12	4	4.26
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD13	4	4.26
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD21	4	4.26
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD22	4	4.26
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD23	4	4.26
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD11	4	4.26
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD12	4	4.26
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD13	4	4.26
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD21	4	4.26
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD22	4	4.26
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD23	4	4.26
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD11	4	4.26
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD12	4	4.26
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD13	4	4.26
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD21	4	4.26
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD22	4	4.26
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD23	4	4.26
(1,446)	1:A:77:LYS:HA	1:A:56:GLN:HG2	14	4.26
(1,446)	1:A:77:LYS:HA	1:B:56:GLN:HG2	14	4.26
(1,446)	1:B:77:LYS:HA	1:A:56:GLN:HG2	14	4.26
(1,446)	1:B:77:LYS:HA	1:B:56:GLN:HG2	14	4.26
(1,446)	1:A:77:LYS:HA	1:A:56:GLN:HG2	19	4.26
(1,446)	1:A:77:LYS:HA	1:B:56:GLN:HG2	19	4.26
(1,446)	1:B:77:LYS:HA	1:A:56:GLN:HG2	19	4.26
(1,446)	1:B:77:LYS:HA	1:B:56:GLN:HG2	19	4.26
(1,939)	1:A:77:LYS:N	1:A:73:SER:O	8	4.25
(1,939)	1:A:77:LYS:N	1:B:73:SER:O	8	4.25
(1,939)	1:B:77:LYS:N	1:A:73:SER:O	8	4.25
(1,939)	1:B:77:LYS:N	1:B:73:SER:O	8	4.25
(1,714)	1:A:86:LYS:HD3	1:A:84:THR:HA	20	4.25
(1,714)	1:A:86:LYS:HD3	1:B:84:THR:HA	20	4.25
(1,714)	1:B:86:LYS:HD3	1:A:84:THR:HA	20	4.25
(1,714)	1:B:86:LYS:HD3	1:B:84:THR:HA	20	4.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,714)	1:A:86:LYS:HD3	1:A:84:THR:HA	9	4.24
(1,714)	1:A:86:LYS:HD3	1:B:84:THR:HA	9	4.24
(1,714)	1:B:86:LYS:HD3	1:A:84:THR:HA	9	4.24
(1,714)	1:B:86:LYS:HD3	1:B:84:THR:HA	9	4.24
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG21	13	4.24
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG22	13	4.24
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG23	13	4.24
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG21	13	4.24
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG22	13	4.24
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG23	13	4.24
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG21	13	4.24
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG22	13	4.24
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG23	13	4.24
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG21	13	4.24
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG22	13	4.24
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG23	13	4.24
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG21	16	4.24
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG22	16	4.24
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG23	16	4.24
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG21	16	4.24
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG22	16	4.24
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG23	16	4.24
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG21	16	4.24
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG22	16	4.24
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG23	16	4.24
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG21	16	4.24
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG22	16	4.24
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG23	16	4.24
(1,635)	1:A:89:ARG:HB2	1:A:65:LEU:HG	6	4.24
(1,635)	1:A:89:ARG:HB2	1:B:65:LEU:HG	6	4.24
(1,635)	1:A:89:ARG:HB3	1:A:65:LEU:HG	6	4.24
(1,635)	1:A:89:ARG:HB3	1:B:65:LEU:HG	6	4.24
(1,635)	1:B:89:ARG:HB2	1:A:65:LEU:HG	6	4.24
(1,635)	1:B:89:ARG:HB2	1:B:65:LEU:HG	6	4.24
(1,635)	1:B:89:ARG:HB3	1:A:65:LEU:HG	6	4.24
(1,635)	1:B:89:ARG:HB3	1:B:65:LEU:HG	6	4.24
(1,432)	1:A:90:ASN:HA	1:A:65:LEU:HG	5	4.24
(1,432)	1:A:90:ASN:HA	1:B:65:LEU:HG	5	4.24
(1,432)	1:B:90:ASN:HA	1:A:65:LEU:HG	5	4.24
(1,432)	1:B:90:ASN:HA	1:B:65:LEU:HG	5	4.24
(1,446)	1:A:77:LYS:HA	1:A:56:GLN:HG2	2	4.23
(1,446)	1:A:77:LYS:HA	1:B:56:GLN:HG2	2	4.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,446)	1:B:77:LYS:HA	1:A:56:GLN:HG2	2	4.23
(1,446)	1:B:77:LYS:HA	1:B:56:GLN:HG2	2	4.23
(1,714)	1:A:86:LYS:HD3	1:A:84:THR:HA	3	4.22
(1,714)	1:A:86:LYS:HD3	1:B:84:THR:HA	3	4.22
(1,714)	1:B:86:LYS:HD3	1:A:84:THR:HA	3	4.22
(1,714)	1:B:86:LYS:HD3	1:B:84:THR:HA	3	4.22
(1,714)	1:A:86:LYS:HD3	1:A:84:THR:HA	14	4.22
(1,714)	1:A:86:LYS:HD3	1:B:84:THR:HA	14	4.22
(1,714)	1:B:86:LYS:HD3	1:A:84:THR:HA	14	4.22
(1,714)	1:B:86:LYS:HD3	1:B:84:THR:HA	14	4.22
(1,460)	1:A:73:SER:HA	1:A:76:GLU:HB2	14	4.22
(1,460)	1:A:73:SER:HA	1:B:76:GLU:HB2	14	4.22
(1,460)	1:B:73:SER:HA	1:A:76:GLU:HB2	14	4.22
(1,460)	1:B:73:SER:HA	1:B:76:GLU:HB2	14	4.22
(1,714)	1:A:86:LYS:HD3	1:A:84:THR:HA	11	4.21
(1,714)	1:A:86:LYS:HD3	1:B:84:THR:HA	11	4.21
(1,714)	1:B:86:LYS:HD3	1:A:84:THR:HA	11	4.21
(1,714)	1:B:86:LYS:HD3	1:B:84:THR:HA	11	4.21
(1,714)	1:A:86:LYS:HD3	1:A:84:THR:HA	16	4.21
(1,714)	1:A:86:LYS:HD3	1:B:84:THR:HA	16	4.21
(1,714)	1:B:86:LYS:HD3	1:A:84:THR:HA	16	4.21
(1,714)	1:B:86:LYS:HD3	1:B:84:THR:HA	16	4.21
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG21	5	4.21
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG22	5	4.21
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG23	5	4.21
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG21	5	4.21
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG22	5	4.21
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG23	5	4.21
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG21	5	4.21
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG22	5	4.21
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG23	5	4.21
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG21	5	4.21
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG22	5	4.21
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG23	5	4.21
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG21	12	4.21
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG22	12	4.21
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG23	12	4.21
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG21	12	4.21
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG22	12	4.21
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG23	12	4.21
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG21	12	4.21
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG22	12	4.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG23	12	4.21
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG21	12	4.21
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG22	12	4.21
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG23	12	4.21
(1,226)	1:A:81:LEU:H	1:A:56:GLN:HE21	10	4.21
(1,226)	1:A:81:LEU:H	1:B:56:GLN:HE21	10	4.21
(1,226)	1:B:81:LEU:H	1:A:56:GLN:HE21	10	4.21
(1,226)	1:B:81:LEU:H	1:B:56:GLN:HE21	10	4.21
(1,460)	1:A:73:SER:HA	1:A:76:GLU:HB2	19	4.2
(1,460)	1:A:73:SER:HA	1:B:76:GLU:HB2	19	4.2
(1,460)	1:B:73:SER:HA	1:A:76:GLU:HB2	19	4.2
(1,460)	1:B:73:SER:HA	1:B:76:GLU:HB2	19	4.2
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG21	1	4.19
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG22	1	4.19
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG23	1	4.19
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG21	1	4.19
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG22	1	4.19
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG23	1	4.19
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG21	1	4.19
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG22	1	4.19
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG23	1	4.19
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG21	1	4.19
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG22	1	4.19
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG23	1	4.19
(1,561)	1:A:92:GLN:HE21	1:A:83:MET:HA	8	4.19
(1,561)	1:A:92:GLN:HE21	1:B:83:MET:HA	8	4.19
(1,561)	1:A:92:GLN:HE22	1:A:83:MET:HA	8	4.19
(1,561)	1:A:92:GLN:HE22	1:B:83:MET:HA	8	4.19
(1,561)	1:B:92:GLN:HE21	1:A:83:MET:HA	8	4.19
(1,561)	1:B:92:GLN:HE21	1:B:83:MET:HA	8	4.19
(1,561)	1:B:92:GLN:HE22	1:A:83:MET:HA	8	4.19
(1,561)	1:B:92:GLN:HE22	1:B:83:MET:HA	8	4.19
(1,333)	1:A:81:LEU:H	1:A:56:GLN:HG3	10	4.19
(1,333)	1:A:81:LEU:H	1:B:56:GLN:HG3	10	4.19
(1,333)	1:B:81:LEU:H	1:A:56:GLN:HG3	10	4.19
(1,333)	1:B:81:LEU:H	1:B:56:GLN:HG3	10	4.19
(1,226)	1:A:81:LEU:H	1:A:56:GLN:HE21	4	4.18
(1,226)	1:A:81:LEU:H	1:B:56:GLN:HE21	4	4.18
(1,226)	1:B:81:LEU:H	1:A:56:GLN:HE21	4	4.18
(1,226)	1:B:81:LEU:H	1:B:56:GLN:HE21	4	4.18
(1,848)	1:A:90:ASN:HD21	1:A:66:LYS:HE2	1	4.17
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE2	1	4.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE3	1	4.17
(1,848)	1:A:90:ASN:HD22	1:A:66:LYS:HE2	1	4.17
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE2	1	4.17
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE3	1	4.17
(1,848)	1:B:90:ASN:HD21	1:A:66:LYS:HE2	1	4.17
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE2	1	4.17
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE3	1	4.17
(1,848)	1:B:90:ASN:HD22	1:A:66:LYS:HE2	1	4.17
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE2	1	4.17
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE3	1	4.17
(1,714)	1:A:86:LYS:HD3	1:A:84:THR:HA	4	4.17
(1,714)	1:A:86:LYS:HD3	1:B:84:THR:HA	4	4.17
(1,714)	1:B:86:LYS:HD3	1:A:84:THR:HA	4	4.17
(1,714)	1:B:86:LYS:HD3	1:B:84:THR:HA	4	4.17
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG21	2	4.17
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG22	2	4.17
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG23	2	4.17
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG21	2	4.17
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG22	2	4.17
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG23	2	4.17
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG21	2	4.17
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG22	2	4.17
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG23	2	4.17
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG21	2	4.17
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG22	2	4.17
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG23	2	4.17
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB2	5	4.17
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB3	5	4.17
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB2	5	4.17
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB3	5	4.17
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB2	5	4.17
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB3	5	4.17
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB2	5	4.17
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB3	5	4.17
(1,941)	1:A:78:ALA:N	1:A:74:LYS:O	7	4.16
(1,941)	1:A:78:ALA:N	1:B:74:LYS:O	7	4.16
(1,941)	1:B:78:ALA:N	1:A:74:LYS:O	7	4.16
(1,941)	1:B:78:ALA:N	1:B:74:LYS:O	7	4.16
(1,941)	1:A:78:ALA:N	1:A:74:LYS:O	18	4.16
(1,941)	1:A:78:ALA:N	1:B:74:LYS:O	18	4.16
(1,941)	1:B:78:ALA:N	1:A:74:LYS:O	18	4.16
(1,941)	1:B:78:ALA:N	1:B:74:LYS:O	18	4.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,635)	1:A:89:ARG:HB2	1:A:65:LEU:HG	9	4.16
(1,635)	1:A:89:ARG:HB2	1:B:65:LEU:HG	9	4.16
(1,635)	1:A:89:ARG:HB3	1:A:65:LEU:HG	9	4.16
(1,635)	1:A:89:ARG:HB3	1:B:65:LEU:HG	9	4.16
(1,635)	1:B:89:ARG:HB2	1:A:65:LEU:HG	9	4.16
(1,635)	1:B:89:ARG:HB2	1:B:65:LEU:HG	9	4.16
(1,635)	1:B:89:ARG:HB3	1:A:65:LEU:HG	9	4.16
(1,635)	1:B:89:ARG:HB3	1:B:65:LEU:HG	9	4.16
(1,226)	1:A:81:LEU:H	1:A:56:GLN:HE21	16	4.16
(1,226)	1:A:81:LEU:H	1:B:56:GLN:HE21	16	4.16
(1,226)	1:B:81:LEU:H	1:A:56:GLN:HE21	16	4.16
(1,226)	1:B:81:LEU:H	1:B:56:GLN:HE21	16	4.16
(1,811)	1:A:84:THR:HB	1:A:60:LEU:HD11	12	4.15
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD11	12	4.15
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD12	12	4.15
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD13	12	4.15
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD21	12	4.15
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD22	12	4.15
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD23	12	4.15
(1,811)	1:B:84:THR:HB	1:A:60:LEU:HD11	12	4.15
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD11	12	4.15
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD12	12	4.15
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD13	12	4.15
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD21	12	4.15
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD22	12	4.15
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD23	12	4.15
(1,714)	1:A:86:LYS:HD3	1:A:84:THR:HA	15	4.15
(1,714)	1:A:86:LYS:HD3	1:B:84:THR:HA	15	4.15
(1,714)	1:B:86:LYS:HD3	1:A:84:THR:HA	15	4.15
(1,714)	1:B:86:LYS:HD3	1:B:84:THR:HA	15	4.15
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	11	4.15
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	11	4.15
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	11	4.15
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	11	4.15
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	11	4.15
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	11	4.15
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	11	4.15
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	11	4.15
(1,671)	1:A:92:GLN:HG2	1:A:83:MET:HG3	15	4.15
(1,671)	1:A:92:GLN:HG2	1:B:83:MET:HG3	15	4.15
(1,671)	1:A:92:GLN:HG3	1:A:83:MET:HG3	15	4.15
(1,671)	1:A:92:GLN:HG3	1:B:83:MET:HG3	15	4.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,671)	1:B:92:GLN:HG2	1:A:83:MET:HG3	15	4.15
(1,671)	1:B:92:GLN:HG2	1:B:83:MET:HG3	15	4.15
(1,671)	1:B:92:GLN:HG3	1:A:83:MET:HG3	15	4.15
(1,671)	1:B:92:GLN:HG3	1:B:83:MET:HG3	15	4.15
(1,446)	1:A:77:LYS:HA	1:A:56:GLN:HG2	9	4.15
(1,446)	1:A:77:LYS:HA	1:B:56:GLN:HG2	9	4.15
(1,446)	1:B:77:LYS:HA	1:A:56:GLN:HG2	9	4.15
(1,446)	1:B:77:LYS:HA	1:B:56:GLN:HG2	9	4.15
(1,714)	1:A:86:LYS:HD3	1:A:84:THR:HA	7	4.14
(1,714)	1:A:86:LYS:HD3	1:B:84:THR:HA	7	4.14
(1,714)	1:B:86:LYS:HD3	1:A:84:THR:HA	7	4.14
(1,714)	1:B:86:LYS:HD3	1:B:84:THR:HA	7	4.14
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG21	3	4.13
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG22	3	4.13
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG23	3	4.13
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG21	3	4.13
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG22	3	4.13
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG23	3	4.13
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG21	3	4.13
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG22	3	4.13
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG23	3	4.13
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG21	3	4.13
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG22	3	4.13
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG23	3	4.13
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG21	8	4.13
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG22	8	4.13
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG23	8	4.13
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG21	8	4.13
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG22	8	4.13
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG23	8	4.13
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG21	8	4.13
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG22	8	4.13
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG23	8	4.13
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG21	8	4.13
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG22	8	4.13
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG23	8	4.13
(1,603)	1:A:64:ALA:HB2	1:A:67:LYS:HG2	19	4.13
(1,603)	1:A:64:ALA:HB2	1:B:67:LYS:HG2	19	4.13
(1,603)	1:B:64:ALA:HB2	1:A:67:LYS:HG2	19	4.13
(1,603)	1:B:64:ALA:HB2	1:B:67:LYS:HG2	19	4.13
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB2	2	4.13
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB3	2	4.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB2	2	4.13
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB3	2	4.13
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB2	2	4.13
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB3	2	4.13
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB2	2	4.13
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB3	2	4.13
(1,226)	1:A:81:LEU:H	1:A:56:GLN:HE21	6	4.13
(1,226)	1:A:81:LEU:H	1:B:56:GLN:HE21	6	4.13
(1,226)	1:B:81:LEU:H	1:A:56:GLN:HE21	6	4.13
(1,226)	1:B:81:LEU:H	1:B:56:GLN:HE21	6	4.13
(1,941)	1:A:78:ALA:N	1:A:74:LYS:O	4	4.12
(1,941)	1:A:78:ALA:N	1:B:74:LYS:O	4	4.12
(1,941)	1:B:78:ALA:N	1:A:74:LYS:O	4	4.12
(1,941)	1:B:78:ALA:N	1:B:74:LYS:O	4	4.12
(1,714)	1:A:86:LYS:HD3	1:A:84:THR:HA	1	4.12
(1,714)	1:A:86:LYS:HD3	1:B:84:THR:HA	1	4.12
(1,714)	1:B:86:LYS:HD3	1:A:84:THR:HA	1	4.12
(1,714)	1:B:86:LYS:HD3	1:B:84:THR:HA	1	4.12
(1,62)	1:A:81:LEU:H	1:A:56:GLN:HG2	10	4.12
(1,62)	1:A:81:LEU:H	1:B:56:GLN:HG2	10	4.12
(1,62)	1:B:81:LEU:H	1:A:56:GLN:HG2	10	4.12
(1,62)	1:B:81:LEU:H	1:B:56:GLN:HG2	10	4.12
(1,941)	1:A:78:ALA:N	1:A:74:LYS:O	13	4.11
(1,941)	1:A:78:ALA:N	1:B:74:LYS:O	13	4.11
(1,941)	1:B:78:ALA:N	1:A:74:LYS:O	13	4.11
(1,941)	1:B:78:ALA:N	1:B:74:LYS:O	13	4.11
(1,679)	1:A:92:GLN:HG2	1:A:83:MET:HG2	12	4.11
(1,679)	1:A:92:GLN:HG2	1:B:83:MET:HG2	12	4.11
(1,679)	1:A:92:GLN:HG3	1:A:83:MET:HG2	12	4.11
(1,679)	1:A:92:GLN:HG3	1:B:83:MET:HG2	12	4.11
(1,679)	1:B:92:GLN:HG2	1:A:83:MET:HG2	12	4.11
(1,679)	1:B:92:GLN:HG2	1:B:83:MET:HG2	12	4.11
(1,679)	1:B:92:GLN:HG3	1:A:83:MET:HG2	12	4.11
(1,679)	1:B:92:GLN:HG3	1:B:83:MET:HG2	12	4.11
(1,62)	1:A:81:LEU:H	1:A:56:GLN:HG2	5	4.11
(1,62)	1:A:81:LEU:H	1:B:56:GLN:HG2	5	4.11
(1,62)	1:B:81:LEU:H	1:A:56:GLN:HG2	5	4.11
(1,62)	1:B:81:LEU:H	1:B:56:GLN:HG2	5	4.11
(1,432)	1:A:90:ASN:HA	1:A:65:LEU:HG	8	4.11
(1,432)	1:A:90:ASN:HA	1:B:65:LEU:HG	8	4.11
(1,432)	1:B:90:ASN:HA	1:A:65:LEU:HG	8	4.11
(1,432)	1:B:90:ASN:HA	1:B:65:LEU:HG	8	4.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:A:66:LYS:HE2	1:A:92:GLN:H	20	4.1
(1,99)	1:A:66:LYS:HE2	1:B:92:GLN:H	20	4.1
(1,99)	1:B:66:LYS:HE2	1:A:92:GLN:H	20	4.1
(1,99)	1:B:66:LYS:HE2	1:B:92:GLN:H	20	4.1
(1,99)	1:B:66:LYS:HE3	1:A:92:GLN:H	20	4.1
(1,99)	1:B:66:LYS:HE3	1:B:92:GLN:H	20	4.1
(1,714)	1:A:86:LYS:HD3	1:A:84:THR:HA	5	4.1
(1,714)	1:A:86:LYS:HD3	1:B:84:THR:HA	5	4.1
(1,714)	1:B:86:LYS:HD3	1:A:84:THR:HA	5	4.1
(1,714)	1:B:86:LYS:HD3	1:B:84:THR:HA	5	4.1
(1,714)	1:A:86:LYS:HD3	1:A:84:THR:HA	19	4.1
(1,714)	1:A:86:LYS:HD3	1:B:84:THR:HA	19	4.1
(1,714)	1:B:86:LYS:HD3	1:A:84:THR:HA	19	4.1
(1,714)	1:B:86:LYS:HD3	1:B:84:THR:HA	19	4.1
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG21	11	4.1
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG22	11	4.1
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG23	11	4.1
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG21	11	4.1
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG22	11	4.1
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG23	11	4.1
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG21	11	4.1
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG22	11	4.1
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG23	11	4.1
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG21	11	4.1
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG22	11	4.1
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG23	11	4.1
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG21	18	4.1
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG22	18	4.1
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG23	18	4.1
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG21	18	4.1
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG22	18	4.1
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG23	18	4.1
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG21	18	4.1
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG22	18	4.1
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG23	18	4.1
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG21	18	4.1
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG22	18	4.1
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG23	18	4.1
(1,714)	1:A:86:LYS:HD3	1:A:84:THR:HA	12	4.09
(1,714)	1:A:86:LYS:HD3	1:B:84:THR:HA	12	4.09
(1,714)	1:B:86:LYS:HD3	1:A:84:THR:HA	12	4.09
(1,714)	1:B:86:LYS:HD3	1:B:84:THR:HA	12	4.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,679)	1:A:92:GLN:HG2	1:A:83:MET:HG2	2	4.09
(1,679)	1:A:92:GLN:HG2	1:B:83:MET:HG2	2	4.09
(1,679)	1:A:92:GLN:HG3	1:A:83:MET:HG2	2	4.09
(1,679)	1:A:92:GLN:HG3	1:B:83:MET:HG2	2	4.09
(1,679)	1:B:92:GLN:HG2	1:A:83:MET:HG2	2	4.09
(1,679)	1:B:92:GLN:HG2	1:B:83:MET:HG2	2	4.09
(1,679)	1:B:92:GLN:HG3	1:A:83:MET:HG2	2	4.09
(1,679)	1:B:92:GLN:HG3	1:B:83:MET:HG2	2	4.09
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG21	15	4.09
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG22	15	4.09
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG23	15	4.09
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG21	15	4.09
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG22	15	4.09
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG23	15	4.09
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG21	15	4.09
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG22	15	4.09
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG23	15	4.09
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG21	15	4.09
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG22	15	4.09
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG23	15	4.09
(1,635)	1:A:89:ARG:HB2	1:A:65:LEU:HG	14	4.09
(1,635)	1:A:89:ARG:HB2	1:B:65:LEU:HG	14	4.09
(1,635)	1:A:89:ARG:HB3	1:A:65:LEU:HG	14	4.09
(1,635)	1:A:89:ARG:HB3	1:B:65:LEU:HG	14	4.09
(1,635)	1:B:89:ARG:HB2	1:A:65:LEU:HG	14	4.09
(1,635)	1:B:89:ARG:HB2	1:B:65:LEU:HG	14	4.09
(1,635)	1:B:89:ARG:HB3	1:A:65:LEU:HG	14	4.09
(1,635)	1:B:89:ARG:HB3	1:B:65:LEU:HG	14	4.09
(1,62)	1:A:81:LEU:H	1:A:56:GLN:HG2	16	4.09
(1,62)	1:A:81:LEU:H	1:B:56:GLN:HG2	16	4.09
(1,62)	1:B:81:LEU:H	1:A:56:GLN:HG2	16	4.09
(1,62)	1:B:81:LEU:H	1:B:56:GLN:HG2	16	4.09
(1,333)	1:A:81:LEU:H	1:A:56:GLN:HG3	16	4.09
(1,333)	1:A:81:LEU:H	1:B:56:GLN:HG3	16	4.09
(1,333)	1:B:81:LEU:H	1:A:56:GLN:HG3	16	4.09
(1,333)	1:B:81:LEU:H	1:B:56:GLN:HG3	16	4.09
(1,308)	1:A:90:ASN:H	1:A:65:LEU:HG	12	4.09
(1,308)	1:A:90:ASN:H	1:B:65:LEU:HG	12	4.09
(1,308)	1:B:90:ASN:H	1:A:65:LEU:HG	12	4.09
(1,308)	1:B:90:ASN:H	1:B:65:LEU:HG	12	4.09
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	14	4.08
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	14	4.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	14	4.08
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	14	4.08
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	14	4.08
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	14	4.08
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	14	4.08
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	14	4.08
(1,561)	1:A:92:GLN:HE21	1:A:83:MET:HA	15	4.08
(1,561)	1:A:92:GLN:HE21	1:B:83:MET:HA	15	4.08
(1,561)	1:A:92:GLN:HE22	1:A:83:MET:HA	15	4.08
(1,561)	1:A:92:GLN:HE22	1:B:83:MET:HA	15	4.08
(1,561)	1:B:92:GLN:HE21	1:A:83:MET:HA	15	4.08
(1,561)	1:B:92:GLN:HE21	1:B:83:MET:HA	15	4.08
(1,561)	1:B:92:GLN:HE22	1:A:83:MET:HA	15	4.08
(1,561)	1:B:92:GLN:HE22	1:B:83:MET:HA	15	4.08
(1,226)	1:A:81:LEU:H	1:A:56:GLN:HE21	7	4.08
(1,226)	1:A:81:LEU:H	1:B:56:GLN:HE21	7	4.08
(1,226)	1:B:81:LEU:H	1:A:56:GLN:HE21	7	4.08
(1,226)	1:B:81:LEU:H	1:B:56:GLN:HE21	7	4.08
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	20	4.07
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	20	4.07
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	20	4.07
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	20	4.07
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	20	4.07
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	20	4.07
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	20	4.07
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	20	4.07
(1,62)	1:A:81:LEU:H	1:A:56:GLN:HG2	4	4.07
(1,62)	1:A:81:LEU:H	1:B:56:GLN:HG2	4	4.07
(1,62)	1:B:81:LEU:H	1:A:56:GLN:HG2	4	4.07
(1,62)	1:B:81:LEU:H	1:B:56:GLN:HG2	4	4.07
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB2	10	4.07
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB3	10	4.07
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB2	10	4.07
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB3	10	4.07
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB2	10	4.07
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB3	10	4.07
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB2	10	4.07
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB3	10	4.07
(1,333)	1:A:81:LEU:H	1:A:56:GLN:HG3	5	4.07
(1,333)	1:A:81:LEU:H	1:B:56:GLN:HG3	5	4.07
(1,333)	1:B:81:LEU:H	1:A:56:GLN:HG3	5	4.07
(1,333)	1:B:81:LEU:H	1:B:56:GLN:HG3	5	4.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,941)	1:A:78:ALA:N	1:A:74:LYS:O	10	4.06
(1,941)	1:A:78:ALA:N	1:B:74:LYS:O	10	4.06
(1,941)	1:B:78:ALA:N	1:A:74:LYS:O	10	4.06
(1,941)	1:B:78:ALA:N	1:B:74:LYS:O	10	4.06
(1,714)	1:A:86:LYS:HD3	1:A:84:THR:HA	8	4.06
(1,714)	1:A:86:LYS:HD3	1:B:84:THR:HA	8	4.06
(1,714)	1:B:86:LYS:HD3	1:A:84:THR:HA	8	4.06
(1,714)	1:B:86:LYS:HD3	1:B:84:THR:HA	8	4.06
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	3	4.06
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	3	4.06
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	3	4.06
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	3	4.06
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	3	4.06
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	3	4.06
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	3	4.06
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	3	4.06
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG21	4	4.06
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG22	4	4.06
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG23	4	4.06
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG21	4	4.06
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG22	4	4.06
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG23	4	4.06
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG21	4	4.06
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG22	4	4.06
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG23	4	4.06
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG21	4	4.06
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG22	4	4.06
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG23	4	4.06
(1,635)	1:A:89:ARG:HB2	1:A:65:LEU:HG	20	4.06
(1,635)	1:A:89:ARG:HB2	1:B:65:LEU:HG	20	4.06
(1,635)	1:A:89:ARG:HB3	1:A:65:LEU:HG	20	4.06
(1,635)	1:A:89:ARG:HB3	1:B:65:LEU:HG	20	4.06
(1,635)	1:B:89:ARG:HB2	1:A:65:LEU:HG	20	4.06
(1,635)	1:B:89:ARG:HB2	1:B:65:LEU:HG	20	4.06
(1,635)	1:B:89:ARG:HB3	1:A:65:LEU:HG	20	4.06
(1,635)	1:B:89:ARG:HB3	1:B:65:LEU:HG	20	4.06
(1,941)	1:A:78:ALA:N	1:A:74:LYS:O	14	4.05
(1,941)	1:A:78:ALA:N	1:B:74:LYS:O	14	4.05
(1,941)	1:B:78:ALA:N	1:A:74:LYS:O	14	4.05
(1,941)	1:B:78:ALA:N	1:B:74:LYS:O	14	4.05
(1,714)	1:A:86:LYS:HD3	1:A:84:THR:HA	17	4.05
(1,714)	1:A:86:LYS:HD3	1:B:84:THR:HA	17	4.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,714)	1:B:86:LYS:HD3	1:A:84:THR:HA	17	4.05
(1,714)	1:B:86:LYS:HD3	1:B:84:THR:HA	17	4.05
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG21	19	4.05
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG22	19	4.05
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG23	19	4.05
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG21	19	4.05
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG22	19	4.05
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG23	19	4.05
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG21	19	4.05
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG22	19	4.05
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG23	19	4.05
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG21	19	4.05
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG22	19	4.05
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG23	19	4.05
(1,62)	1:A:81:LEU:H	1:A:56:GLN:HG2	1	4.05
(1,62)	1:A:81:LEU:H	1:B:56:GLN:HG2	1	4.05
(1,62)	1:B:81:LEU:H	1:A:56:GLN:HG2	1	4.05
(1,62)	1:B:81:LEU:H	1:B:56:GLN:HG2	1	4.05
(1,409)	1:A:64:ALA:HA	1:A:67:LYS:HB2	5	4.05
(1,409)	1:A:64:ALA:HA	1:B:67:LYS:HB2	5	4.05
(1,409)	1:B:64:ALA:HA	1:A:67:LYS:HB2	5	4.05
(1,409)	1:B:64:ALA:HA	1:B:67:LYS:HB2	5	4.05
(1,941)	1:A:78:ALA:N	1:A:74:LYS:O	2	4.04
(1,941)	1:A:78:ALA:N	1:B:74:LYS:O	2	4.04
(1,941)	1:B:78:ALA:N	1:A:74:LYS:O	2	4.04
(1,941)	1:B:78:ALA:N	1:B:74:LYS:O	2	4.04
(1,941)	1:A:78:ALA:N	1:A:74:LYS:O	11	4.04
(1,941)	1:A:78:ALA:N	1:B:74:LYS:O	11	4.04
(1,941)	1:B:78:ALA:N	1:A:74:LYS:O	11	4.04
(1,941)	1:B:78:ALA:N	1:B:74:LYS:O	11	4.04
(1,62)	1:A:81:LEU:H	1:A:56:GLN:HG2	6	4.04
(1,62)	1:A:81:LEU:H	1:B:56:GLN:HG2	6	4.04
(1,62)	1:B:81:LEU:H	1:A:56:GLN:HG2	6	4.04
(1,62)	1:B:81:LEU:H	1:B:56:GLN:HG2	6	4.04
(1,602)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	2	4.04
(1,602)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	2	4.04
(1,602)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	2	4.04
(1,602)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	2	4.04
(1,308)	1:A:90:ASN:H	1:A:65:LEU:HG	15	4.04
(1,308)	1:A:90:ASN:H	1:B:65:LEU:HG	15	4.04
(1,308)	1:B:90:ASN:H	1:A:65:LEU:HG	15	4.04
(1,308)	1:B:90:ASN:H	1:B:65:LEU:HG	15	4.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,226)	1:A:81:LEU:H	1:A:56:GLN:HE21	11	4.04
(1,226)	1:A:81:LEU:H	1:B:56:GLN:HE21	11	4.04
(1,226)	1:B:81:LEU:H	1:A:56:GLN:HE21	11	4.04
(1,226)	1:B:81:LEU:H	1:B:56:GLN:HE21	11	4.04
(1,811)	1:A:84:THR:HB	1:A:60:LEU:HD11	1	4.03
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD11	1	4.03
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD12	1	4.03
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD13	1	4.03
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD21	1	4.03
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD22	1	4.03
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD23	1	4.03
(1,811)	1:B:84:THR:HB	1:A:60:LEU:HD11	1	4.03
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD11	1	4.03
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD12	1	4.03
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD13	1	4.03
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD21	1	4.03
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD22	1	4.03
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD23	1	4.03
(1,811)	1:A:84:THR:HB	1:A:60:LEU:HD11	7	4.03
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD11	7	4.03
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD12	7	4.03
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD13	7	4.03
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD21	7	4.03
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD22	7	4.03
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD23	7	4.03
(1,811)	1:B:84:THR:HB	1:A:60:LEU:HD11	7	4.03
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD11	7	4.03
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD12	7	4.03
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD13	7	4.03
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD21	7	4.03
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD22	7	4.03
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD23	7	4.03
(1,601)	1:A:64:ALA:HB1	1:A:67:LYS:HG2	1	4.03
(1,601)	1:A:64:ALA:HB1	1:B:67:LYS:HG2	1	4.03
(1,601)	1:B:64:ALA:HB1	1:A:67:LYS:HG2	1	4.03
(1,601)	1:B:64:ALA:HB1	1:B:67:LYS:HG2	1	4.03
(1,432)	1:A:90:ASN:HA	1:A:65:LEU:HG	20	4.03
(1,432)	1:A:90:ASN:HA	1:B:65:LEU:HG	20	4.03
(1,432)	1:B:90:ASN:HA	1:A:65:LEU:HG	20	4.03
(1,432)	1:B:90:ASN:HA	1:B:65:LEU:HG	20	4.03
(1,714)	1:A:86:LYS:HD3	1:A:84:THR:HA	2	4.01
(1,714)	1:A:86:LYS:HD3	1:B:84:THR:HA	2	4.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,714)	1:B:86:LYS:HD3	1:A:84:THR:HA	2	4.01
(1,714)	1:B:86:LYS:HD3	1:B:84:THR:HA	2	4.01
(1,635)	1:A:89:ARG:HB2	1:A:65:LEU:HG	11	4.01
(1,635)	1:A:89:ARG:HB2	1:B:65:LEU:HG	11	4.01
(1,635)	1:A:89:ARG:HB3	1:A:65:LEU:HG	11	4.01
(1,635)	1:A:89:ARG:HB3	1:B:65:LEU:HG	11	4.01
(1,635)	1:B:89:ARG:HB2	1:A:65:LEU:HG	11	4.01
(1,635)	1:B:89:ARG:HB2	1:B:65:LEU:HG	11	4.01
(1,635)	1:B:89:ARG:HB3	1:A:65:LEU:HG	11	4.01
(1,635)	1:B:89:ARG:HB3	1:B:65:LEU:HG	11	4.01
(1,226)	1:A:81:LEU:H	1:A:56:GLN:HE21	17	4.01
(1,226)	1:A:81:LEU:H	1:B:56:GLN:HE21	17	4.01
(1,226)	1:B:81:LEU:H	1:A:56:GLN:HE21	17	4.01
(1,226)	1:B:81:LEU:H	1:B:56:GLN:HE21	17	4.01
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB2	19	4.0
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB3	19	4.0
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB2	19	4.0
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB3	19	4.0
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB2	19	4.0
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB3	19	4.0
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB2	19	4.0
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB3	19	4.0
(1,432)	1:A:90:ASN:HA	1:A:65:LEU:HG	14	4.0
(1,432)	1:A:90:ASN:HA	1:B:65:LEU:HG	14	4.0
(1,432)	1:B:90:ASN:HA	1:A:65:LEU:HG	14	4.0
(1,432)	1:B:90:ASN:HA	1:B:65:LEU:HG	14	4.0
(1,333)	1:A:81:LEU:H	1:A:56:GLN:HG3	11	4.0
(1,333)	1:A:81:LEU:H	1:B:56:GLN:HG3	11	4.0
(1,333)	1:B:81:LEU:H	1:A:56:GLN:HG3	11	4.0
(1,333)	1:B:81:LEU:H	1:B:56:GLN:HG3	11	4.0
(1,333)	1:A:81:LEU:H	1:A:56:GLN:HG3	13	4.0
(1,333)	1:A:81:LEU:H	1:B:56:GLN:HG3	13	4.0
(1,333)	1:B:81:LEU:H	1:A:56:GLN:HG3	13	4.0
(1,333)	1:B:81:LEU:H	1:B:56:GLN:HG3	13	4.0
(1,811)	1:A:84:THR:HB	1:A:60:LEU:HD11	15	3.99
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD11	15	3.99
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD12	15	3.99
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD13	15	3.99
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD21	15	3.99
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD22	15	3.99
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD23	15	3.99
(1,811)	1:B:84:THR:HB	1:A:60:LEU:HD11	15	3.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD11	15	3.99
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD12	15	3.99
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD13	15	3.99
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD21	15	3.99
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD22	15	3.99
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD23	15	3.99
(1,811)	1:A:84:THR:HB	1:A:60:LEU:HD11	16	3.99
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD11	16	3.99
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD12	16	3.99
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD13	16	3.99
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD21	16	3.99
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD22	16	3.99
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD23	16	3.99
(1,811)	1:B:84:THR:HB	1:A:60:LEU:HD11	16	3.99
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD11	16	3.99
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD12	16	3.99
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD13	16	3.99
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD21	16	3.99
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD22	16	3.99
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD23	16	3.99
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB2	12	3.99
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB3	12	3.99
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB2	12	3.99
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB3	12	3.99
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB2	12	3.99
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB3	12	3.99
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB2	12	3.99
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB3	12	3.99
(1,684)	1:A:86:LYS:HD3	1:A:87:HIS:HB3	3	3.98
(1,684)	1:A:86:LYS:HD3	1:B:87:HIS:HB3	3	3.98
(1,684)	1:B:86:LYS:HD3	1:A:87:HIS:HB3	3	3.98
(1,684)	1:B:86:LYS:HD3	1:B:87:HIS:HB3	3	3.98
(1,679)	1:A:92:GLN:HG2	1:A:83:MET:HG2	14	3.98
(1,679)	1:A:92:GLN:HG2	1:B:83:MET:HG2	14	3.98
(1,679)	1:A:92:GLN:HG3	1:A:83:MET:HG2	14	3.98
(1,679)	1:A:92:GLN:HG3	1:B:83:MET:HG2	14	3.98
(1,679)	1:B:92:GLN:HG2	1:A:83:MET:HG2	14	3.98
(1,679)	1:B:92:GLN:HG2	1:B:83:MET:HG2	14	3.98
(1,679)	1:B:92:GLN:HG3	1:A:83:MET:HG2	14	3.98
(1,679)	1:B:92:GLN:HG3	1:B:83:MET:HG2	14	3.98
(1,561)	1:A:92:GLN:HE21	1:A:83:MET:HA	4	3.98
(1,561)	1:A:92:GLN:HE21	1:B:83:MET:HA	4	3.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:A:92:GLN:HE22	1:A:83:MET:HA	4	3.98
(1,561)	1:A:92:GLN:HE22	1:B:83:MET:HA	4	3.98
(1,561)	1:B:92:GLN:HE21	1:A:83:MET:HA	4	3.98
(1,561)	1:B:92:GLN:HE21	1:B:83:MET:HA	4	3.98
(1,561)	1:B:92:GLN:HE22	1:A:83:MET:HA	4	3.98
(1,561)	1:B:92:GLN:HE22	1:B:83:MET:HA	4	3.98
(1,432)	1:A:90:ASN:HA	1:A:65:LEU:HG	2	3.98
(1,432)	1:A:90:ASN:HA	1:B:65:LEU:HG	2	3.98
(1,432)	1:B:90:ASN:HA	1:A:65:LEU:HG	2	3.98
(1,432)	1:B:90:ASN:HA	1:B:65:LEU:HG	2	3.98
(1,811)	1:A:84:THR:HB	1:A:60:LEU:HD11	18	3.97
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD11	18	3.97
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD12	18	3.97
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD13	18	3.97
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD21	18	3.97
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD22	18	3.97
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD23	18	3.97
(1,811)	1:B:84:THR:HB	1:A:60:LEU:HD11	18	3.97
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD11	18	3.97
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD12	18	3.97
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD13	18	3.97
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD21	18	3.97
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD22	18	3.97
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD23	18	3.97
(1,714)	1:A:86:LYS:HD3	1:A:84:THR:HA	13	3.97
(1,714)	1:A:86:LYS:HD3	1:B:84:THR:HA	13	3.97
(1,714)	1:B:86:LYS:HD3	1:A:84:THR:HA	13	3.97
(1,714)	1:B:86:LYS:HD3	1:B:84:THR:HA	13	3.97
(1,679)	1:A:92:GLN:HG2	1:A:83:MET:HG2	11	3.97
(1,679)	1:A:92:GLN:HG2	1:B:83:MET:HG2	11	3.97
(1,679)	1:A:92:GLN:HG3	1:A:83:MET:HG2	11	3.97
(1,679)	1:A:92:GLN:HG3	1:B:83:MET:HG2	11	3.97
(1,679)	1:B:92:GLN:HG2	1:A:83:MET:HG2	11	3.97
(1,679)	1:B:92:GLN:HG2	1:B:83:MET:HG2	11	3.97
(1,679)	1:B:92:GLN:HG3	1:A:83:MET:HG2	11	3.97
(1,679)	1:B:92:GLN:HG3	1:B:83:MET:HG2	11	3.97
(1,62)	1:A:81:LEU:H	1:A:56:GLN:HG2	11	3.97
(1,62)	1:A:81:LEU:H	1:B:56:GLN:HG2	11	3.97
(1,62)	1:B:81:LEU:H	1:A:56:GLN:HG2	11	3.97
(1,62)	1:B:81:LEU:H	1:B:56:GLN:HG2	11	3.97
(1,62)	1:A:81:LEU:H	1:A:56:GLN:HG2	17	3.97
(1,62)	1:A:81:LEU:H	1:B:56:GLN:HG2	17	3.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:B:81:LEU:H	1:A:56:GLN:HG2	17	3.97
(1,62)	1:B:81:LEU:H	1:B:56:GLN:HG2	17	3.97
(1,62)	1:A:81:LEU:H	1:A:56:GLN:HG2	19	3.97
(1,62)	1:A:81:LEU:H	1:B:56:GLN:HG2	19	3.97
(1,62)	1:B:81:LEU:H	1:A:56:GLN:HG2	19	3.97
(1,62)	1:B:81:LEU:H	1:B:56:GLN:HG2	19	3.97
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB2	20	3.97
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB3	20	3.97
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB2	20	3.97
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB3	20	3.97
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB2	20	3.97
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB3	20	3.97
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB2	20	3.97
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB3	20	3.97
(1,635)	1:A:89:ARG:HB2	1:A:65:LEU:HG	16	3.96
(1,635)	1:A:89:ARG:HB2	1:B:65:LEU:HG	16	3.96
(1,635)	1:A:89:ARG:HB3	1:A:65:LEU:HG	16	3.96
(1,635)	1:A:89:ARG:HB3	1:B:65:LEU:HG	16	3.96
(1,635)	1:B:89:ARG:HB2	1:A:65:LEU:HG	16	3.96
(1,635)	1:B:89:ARG:HB2	1:B:65:LEU:HG	16	3.96
(1,635)	1:B:89:ARG:HB3	1:A:65:LEU:HG	16	3.96
(1,635)	1:B:89:ARG:HB3	1:B:65:LEU:HG	16	3.96
(1,62)	1:A:81:LEU:H	1:A:56:GLN:HG2	7	3.96
(1,62)	1:A:81:LEU:H	1:B:56:GLN:HG2	7	3.96
(1,62)	1:B:81:LEU:H	1:A:56:GLN:HG2	7	3.96
(1,62)	1:B:81:LEU:H	1:B:56:GLN:HG2	7	3.96
(1,603)	1:A:64:ALA:HB2	1:A:67:LYS:HG2	17	3.96
(1,603)	1:A:64:ALA:HB2	1:B:67:LYS:HG2	17	3.96
(1,603)	1:B:64:ALA:HB2	1:A:67:LYS:HG2	17	3.96
(1,603)	1:B:64:ALA:HB2	1:B:67:LYS:HG2	17	3.96
(1,635)	1:A:89:ARG:HB2	1:A:65:LEU:HG	7	3.95
(1,635)	1:A:89:ARG:HB2	1:B:65:LEU:HG	7	3.95
(1,635)	1:A:89:ARG:HB3	1:A:65:LEU:HG	7	3.95
(1,635)	1:A:89:ARG:HB3	1:B:65:LEU:HG	7	3.95
(1,635)	1:B:89:ARG:HB2	1:A:65:LEU:HG	7	3.95
(1,635)	1:B:89:ARG:HB2	1:B:65:LEU:HG	7	3.95
(1,635)	1:B:89:ARG:HB3	1:A:65:LEU:HG	7	3.95
(1,635)	1:B:89:ARG:HB3	1:B:65:LEU:HG	7	3.95
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB2	3	3.95
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB3	3	3.95
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB2	3	3.95
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB3	3	3.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB2	3	3.95
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB3	3	3.95
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB2	3	3.95
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB3	3	3.95
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB2	11	3.95
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB3	11	3.95
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB2	11	3.95
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB3	11	3.95
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB2	11	3.95
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB3	11	3.95
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB2	11	3.95
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB3	11	3.95
(1,432)	1:A:90:ASN:HA	1:A:65:LEU:HG	9	3.95
(1,432)	1:A:90:ASN:HA	1:B:65:LEU:HG	9	3.95
(1,432)	1:B:90:ASN:HA	1:A:65:LEU:HG	9	3.95
(1,432)	1:B:90:ASN:HA	1:B:65:LEU:HG	9	3.95
(1,333)	1:A:81:LEU:H	1:A:56:GLN:HG3	1	3.95
(1,333)	1:A:81:LEU:H	1:B:56:GLN:HG3	1	3.95
(1,333)	1:B:81:LEU:H	1:A:56:GLN:HG3	1	3.95
(1,333)	1:B:81:LEU:H	1:B:56:GLN:HG3	1	3.95
(1,333)	1:A:81:LEU:H	1:A:56:GLN:HG3	4	3.95
(1,333)	1:A:81:LEU:H	1:B:56:GLN:HG3	4	3.95
(1,333)	1:B:81:LEU:H	1:A:56:GLN:HG3	4	3.95
(1,333)	1:B:81:LEU:H	1:B:56:GLN:HG3	4	3.95
(1,671)	1:A:92:GLN:HG2	1:A:83:MET:HG3	5	3.94
(1,671)	1:A:92:GLN:HG2	1:B:83:MET:HG3	5	3.94
(1,671)	1:A:92:GLN:HG3	1:A:83:MET:HG3	5	3.94
(1,671)	1:A:92:GLN:HG3	1:B:83:MET:HG3	5	3.94
(1,671)	1:B:92:GLN:HG2	1:A:83:MET:HG3	5	3.94
(1,671)	1:B:92:GLN:HG2	1:B:83:MET:HG3	5	3.94
(1,671)	1:B:92:GLN:HG3	1:A:83:MET:HG3	5	3.94
(1,671)	1:B:92:GLN:HG3	1:B:83:MET:HG3	5	3.94
(1,333)	1:A:81:LEU:H	1:A:56:GLN:HG3	6	3.94
(1,333)	1:A:81:LEU:H	1:B:56:GLN:HG3	6	3.94
(1,333)	1:B:81:LEU:H	1:A:56:GLN:HG3	6	3.94
(1,333)	1:B:81:LEU:H	1:B:56:GLN:HG3	6	3.94
(1,333)	1:A:81:LEU:H	1:A:56:GLN:HG3	17	3.94
(1,333)	1:A:81:LEU:H	1:B:56:GLN:HG3	17	3.94
(1,333)	1:B:81:LEU:H	1:A:56:GLN:HG3	17	3.94
(1,333)	1:B:81:LEU:H	1:B:56:GLN:HG3	17	3.94
(1,226)	1:A:81:LEU:H	1:A:56:GLN:HE21	18	3.94
(1,226)	1:A:81:LEU:H	1:B:56:GLN:HE21	18	3.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,226)	1:B:81:LEU:H	1:A:56:GLN:HE21	18	3.94
(1,226)	1:B:81:LEU:H	1:B:56:GLN:HE21	18	3.94
(1,848)	1:A:90:ASN:HD21	1:A:66:LYS:HE2	6	3.93
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE2	6	3.93
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE3	6	3.93
(1,848)	1:A:90:ASN:HD22	1:A:66:LYS:HE2	6	3.93
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE2	6	3.93
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE3	6	3.93
(1,848)	1:B:90:ASN:HD21	1:A:66:LYS:HE2	6	3.93
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE2	6	3.93
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE3	6	3.93
(1,848)	1:B:90:ASN:HD22	1:A:66:LYS:HE2	6	3.93
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE2	6	3.93
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE3	6	3.93
(1,811)	1:A:84:THR:HB	1:A:60:LEU:HD11	20	3.93
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD11	20	3.93
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD12	20	3.93
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD13	20	3.93
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD21	20	3.93
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD22	20	3.93
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD23	20	3.93
(1,811)	1:B:84:THR:HB	1:A:60:LEU:HD11	20	3.93
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD11	20	3.93
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD12	20	3.93
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD13	20	3.93
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD21	20	3.93
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD22	20	3.93
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD23	20	3.93
(1,603)	1:A:64:ALA:HB2	1:A:67:LYS:HG2	14	3.93
(1,603)	1:A:64:ALA:HB2	1:B:67:LYS:HG2	14	3.93
(1,603)	1:B:64:ALA:HB2	1:A:67:LYS:HG2	14	3.93
(1,603)	1:B:64:ALA:HB2	1:B:67:LYS:HG2	14	3.93
(1,333)	1:A:81:LEU:H	1:A:56:GLN:HG3	15	3.93
(1,333)	1:A:81:LEU:H	1:B:56:GLN:HG3	15	3.93
(1,333)	1:B:81:LEU:H	1:A:56:GLN:HG3	15	3.93
(1,333)	1:B:81:LEU:H	1:B:56:GLN:HG3	15	3.93
(1,714)	1:A:86:LYS:HD3	1:A:84:THR:HA	18	3.92
(1,714)	1:A:86:LYS:HD3	1:B:84:THR:HA	18	3.92
(1,714)	1:B:86:LYS:HD3	1:A:84:THR:HA	18	3.92
(1,714)	1:B:86:LYS:HD3	1:B:84:THR:HA	18	3.92
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB2	1	3.92
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB3	1	3.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB2	1	3.92
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB3	1	3.92
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB2	1	3.92
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB3	1	3.92
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB2	1	3.92
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB3	1	3.92
(1,432)	1:A:90:ASN:HA	1:A:65:LEU:HG	7	3.92
(1,432)	1:A:90:ASN:HA	1:B:65:LEU:HG	7	3.92
(1,432)	1:B:90:ASN:HA	1:A:65:LEU:HG	7	3.92
(1,432)	1:B:90:ASN:HA	1:B:65:LEU:HG	7	3.92
(1,603)	1:A:64:ALA:HB2	1:A:67:LYS:HG2	6	3.91
(1,603)	1:A:64:ALA:HB2	1:B:67:LYS:HG2	6	3.91
(1,603)	1:B:64:ALA:HB2	1:A:67:LYS:HG2	6	3.91
(1,603)	1:B:64:ALA:HB2	1:B:67:LYS:HG2	6	3.91
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB2	14	3.9
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB3	14	3.9
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB2	14	3.9
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB3	14	3.9
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB2	14	3.9
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB3	14	3.9
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB2	14	3.9
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB3	14	3.9
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB2	16	3.9
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB3	16	3.9
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB2	16	3.9
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB3	16	3.9
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB2	16	3.9
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB3	16	3.9
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB2	16	3.9
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB3	16	3.9
(1,432)	1:A:90:ASN:HA	1:A:65:LEU:HG	11	3.9
(1,432)	1:A:90:ASN:HA	1:B:65:LEU:HG	11	3.9
(1,432)	1:B:90:ASN:HA	1:A:65:LEU:HG	11	3.9
(1,432)	1:B:90:ASN:HA	1:B:65:LEU:HG	11	3.9
(1,432)	1:A:90:ASN:HA	1:A:65:LEU:HG	18	3.9
(1,432)	1:A:90:ASN:HA	1:B:65:LEU:HG	18	3.9
(1,432)	1:B:90:ASN:HA	1:A:65:LEU:HG	18	3.9
(1,432)	1:B:90:ASN:HA	1:B:65:LEU:HG	18	3.9
(1,811)	1:A:84:THR:HB	1:A:60:LEU:HD11	14	3.89
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD11	14	3.89
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD12	14	3.89
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD13	14	3.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD21	14	3.89
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD22	14	3.89
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD23	14	3.89
(1,811)	1:B:84:THR:HB	1:A:60:LEU:HD11	14	3.89
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD11	14	3.89
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD12	14	3.89
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD13	14	3.89
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD21	14	3.89
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD22	14	3.89
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD23	14	3.89
(1,561)	1:A:92:GLN:HE21	1:A:83:MET:HA	5	3.89
(1,561)	1:A:92:GLN:HE21	1:B:83:MET:HA	5	3.89
(1,561)	1:A:92:GLN:HE22	1:A:83:MET:HA	5	3.89
(1,561)	1:A:92:GLN:HE22	1:B:83:MET:HA	5	3.89
(1,561)	1:B:92:GLN:HE21	1:A:83:MET:HA	5	3.89
(1,561)	1:B:92:GLN:HE21	1:B:83:MET:HA	5	3.89
(1,561)	1:B:92:GLN:HE22	1:A:83:MET:HA	5	3.89
(1,561)	1:B:92:GLN:HE22	1:B:83:MET:HA	5	3.89
(1,409)	1:A:64:ALA:HA	1:A:67:LYS:HB2	17	3.89
(1,409)	1:A:64:ALA:HA	1:B:67:LYS:HB2	17	3.89
(1,409)	1:B:64:ALA:HA	1:A:67:LYS:HB2	17	3.89
(1,409)	1:B:64:ALA:HA	1:B:67:LYS:HB2	17	3.89
(1,635)	1:A:89:ARG:HB2	1:A:65:LEU:HG	19	3.88
(1,635)	1:A:89:ARG:HB2	1:B:65:LEU:HG	19	3.88
(1,635)	1:A:89:ARG:HB3	1:A:65:LEU:HG	19	3.88
(1,635)	1:A:89:ARG:HB3	1:B:65:LEU:HG	19	3.88
(1,635)	1:B:89:ARG:HB2	1:A:65:LEU:HG	19	3.88
(1,635)	1:B:89:ARG:HB2	1:B:65:LEU:HG	19	3.88
(1,635)	1:B:89:ARG:HB3	1:A:65:LEU:HG	19	3.88
(1,635)	1:B:89:ARG:HB3	1:B:65:LEU:HG	19	3.88
(1,333)	1:A:81:LEU:H	1:A:56:GLN:HG3	18	3.88
(1,333)	1:A:81:LEU:H	1:B:56:GLN:HG3	18	3.88
(1,333)	1:B:81:LEU:H	1:A:56:GLN:HG3	18	3.88
(1,333)	1:B:81:LEU:H	1:B:56:GLN:HG3	18	3.88
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD1	11	3.87
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD2	11	3.87
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD1	11	3.87
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD2	11	3.87
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD1	11	3.87
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD2	11	3.87
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD1	11	3.87
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD2	11	3.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:A:84:THR:HB	1:A:60:LEU:HD11	2	3.87
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD11	2	3.87
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD12	2	3.87
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD13	2	3.87
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD21	2	3.87
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD22	2	3.87
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD23	2	3.87
(1,811)	1:B:84:THR:HB	1:A:60:LEU:HD11	2	3.87
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD11	2	3.87
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD12	2	3.87
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD13	2	3.87
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD21	2	3.87
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD22	2	3.87
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD23	2	3.87
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	19	3.87
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	19	3.87
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	19	3.87
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	19	3.87
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	19	3.87
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	19	3.87
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	19	3.87
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	19	3.87
(1,635)	1:A:89:ARG:HB2	1:A:65:LEU:HG	1	3.87
(1,635)	1:A:89:ARG:HB2	1:B:65:LEU:HG	1	3.87
(1,635)	1:A:89:ARG:HB3	1:A:65:LEU:HG	1	3.87
(1,635)	1:A:89:ARG:HB3	1:B:65:LEU:HG	1	3.87
(1,635)	1:B:89:ARG:HB2	1:A:65:LEU:HG	1	3.87
(1,635)	1:B:89:ARG:HB2	1:B:65:LEU:HG	1	3.87
(1,635)	1:B:89:ARG:HB3	1:A:65:LEU:HG	1	3.87
(1,635)	1:B:89:ARG:HB3	1:B:65:LEU:HG	1	3.87
(1,62)	1:A:81:LEU:H	1:A:56:GLN:HG2	13	3.87
(1,62)	1:A:81:LEU:H	1:B:56:GLN:HG2	13	3.87
(1,62)	1:B:81:LEU:H	1:A:56:GLN:HG2	13	3.87
(1,62)	1:B:81:LEU:H	1:B:56:GLN:HG2	13	3.87
(1,62)	1:A:81:LEU:H	1:A:56:GLN:HG2	18	3.87
(1,62)	1:A:81:LEU:H	1:B:56:GLN:HG2	18	3.87
(1,62)	1:B:81:LEU:H	1:A:56:GLN:HG2	18	3.87
(1,62)	1:B:81:LEU:H	1:B:56:GLN:HG2	18	3.87
(1,561)	1:A:92:GLN:HE21	1:A:83:MET:HA	13	3.87
(1,561)	1:A:92:GLN:HE21	1:B:83:MET:HA	13	3.87
(1,561)	1:A:92:GLN:HE22	1:A:83:MET:HA	13	3.87
(1,561)	1:A:92:GLN:HE22	1:B:83:MET:HA	13	3.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:B:92:GLN:HE21	1:A:83:MET:HA	13	3.87
(1,561)	1:B:92:GLN:HE21	1:B:83:MET:HA	13	3.87
(1,561)	1:B:92:GLN:HE22	1:A:83:MET:HA	13	3.87
(1,561)	1:B:92:GLN:HE22	1:B:83:MET:HA	13	3.87
(1,333)	1:A:81:LEU:H	1:A:56:GLN:HG3	20	3.87
(1,333)	1:A:81:LEU:H	1:B:56:GLN:HG3	20	3.87
(1,333)	1:B:81:LEU:H	1:A:56:GLN:HG3	20	3.87
(1,333)	1:B:81:LEU:H	1:B:56:GLN:HG3	20	3.87
(1,308)	1:A:90:ASN:H	1:A:65:LEU:HG	13	3.87
(1,308)	1:A:90:ASN:H	1:B:65:LEU:HG	13	3.87
(1,308)	1:B:90:ASN:H	1:A:65:LEU:HG	13	3.87
(1,308)	1:B:90:ASN:H	1:B:65:LEU:HG	13	3.87
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD1	4	3.86
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD2	4	3.86
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD1	4	3.86
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD2	4	3.86
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD1	4	3.86
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD2	4	3.86
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD1	4	3.86
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD2	4	3.86
(1,811)	1:A:84:THR:HB	1:A:60:LEU:HD11	4	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD11	4	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD12	4	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD13	4	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD21	4	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD22	4	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD23	4	3.86
(1,811)	1:B:84:THR:HB	1:A:60:LEU:HD11	4	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD11	4	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD12	4	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD13	4	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD21	4	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD22	4	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD23	4	3.86
(1,811)	1:A:84:THR:HB	1:A:60:LEU:HD11	8	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD11	8	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD12	8	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD13	8	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD21	8	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD22	8	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD23	8	3.86
(1,811)	1:B:84:THR:HB	1:A:60:LEU:HD11	8	3.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD11	8	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD12	8	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD13	8	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD21	8	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD22	8	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD23	8	3.86
(1,811)	1:A:84:THR:HB	1:A:60:LEU:HD11	19	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD11	19	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD12	19	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD13	19	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD21	19	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD22	19	3.86
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD23	19	3.86
(1,811)	1:B:84:THR:HB	1:A:60:LEU:HD11	19	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD11	19	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD12	19	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD13	19	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD21	19	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD22	19	3.86
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD23	19	3.86
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD1	9	3.85
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD2	9	3.85
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD1	9	3.85
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD2	9	3.85
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD1	9	3.85
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD2	9	3.85
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD1	9	3.85
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD2	9	3.85
(1,601)	1:A:64:ALA:HB1	1:A:67:LYS:HG2	18	3.85
(1,601)	1:A:64:ALA:HB1	1:B:67:LYS:HG2	18	3.85
(1,601)	1:B:64:ALA:HB1	1:A:67:LYS:HG2	18	3.85
(1,601)	1:B:64:ALA:HB1	1:B:67:LYS:HG2	18	3.85
(1,333)	1:A:81:LEU:H	1:A:56:GLN:HG3	7	3.85
(1,333)	1:A:81:LEU:H	1:B:56:GLN:HG3	7	3.85
(1,333)	1:B:81:LEU:H	1:A:56:GLN:HG3	7	3.85
(1,333)	1:B:81:LEU:H	1:B:56:GLN:HG3	7	3.85
(1,333)	1:A:81:LEU:H	1:A:56:GLN:HG3	9	3.85
(1,333)	1:A:81:LEU:H	1:B:56:GLN:HG3	9	3.85
(1,333)	1:B:81:LEU:H	1:A:56:GLN:HG3	9	3.85
(1,333)	1:B:81:LEU:H	1:B:56:GLN:HG3	9	3.85
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD1	1	3.84
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD2	1	3.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD1	1	3.84
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD2	1	3.84
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD1	1	3.84
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD2	1	3.84
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD1	1	3.84
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD2	1	3.84
(1,784)	1:A:64:ALA:HB1	1:A:67:LYS:HB2	5	3.84
(1,784)	1:A:64:ALA:HB1	1:B:67:LYS:HB2	5	3.84
(1,784)	1:A:64:ALA:HB2	1:A:67:LYS:HB2	5	3.84
(1,784)	1:A:64:ALA:HB2	1:B:67:LYS:HB2	5	3.84
(1,784)	1:A:64:ALA:HB3	1:A:67:LYS:HB2	5	3.84
(1,784)	1:A:64:ALA:HB3	1:B:67:LYS:HB2	5	3.84
(1,784)	1:B:64:ALA:HB1	1:A:67:LYS:HB2	5	3.84
(1,784)	1:B:64:ALA:HB1	1:B:67:LYS:HB2	5	3.84
(1,784)	1:B:64:ALA:HB2	1:A:67:LYS:HB2	5	3.84
(1,784)	1:B:64:ALA:HB2	1:B:67:LYS:HB2	5	3.84
(1,784)	1:B:64:ALA:HB3	1:A:67:LYS:HB2	5	3.84
(1,784)	1:B:64:ALA:HB3	1:B:67:LYS:HB2	5	3.84
(1,688)	1:A:86:LYS:HD3	1:A:87:HIS:HB2	19	3.84
(1,688)	1:A:86:LYS:HD3	1:B:87:HIS:HB2	19	3.84
(1,688)	1:B:86:LYS:HD3	1:A:87:HIS:HB2	19	3.84
(1,688)	1:B:86:LYS:HD3	1:B:87:HIS:HB2	19	3.84
(1,409)	1:A:64:ALA:HA	1:A:67:LYS:HB2	12	3.84
(1,409)	1:A:64:ALA:HA	1:B:67:LYS:HB2	12	3.84
(1,409)	1:B:64:ALA:HA	1:A:67:LYS:HB2	12	3.84
(1,409)	1:B:64:ALA:HA	1:B:67:LYS:HB2	12	3.84
(1,226)	1:A:81:LEU:H	1:A:56:GLN:HE21	3	3.84
(1,226)	1:A:81:LEU:H	1:B:56:GLN:HE21	3	3.84
(1,226)	1:B:81:LEU:H	1:A:56:GLN:HE21	3	3.84
(1,226)	1:B:81:LEU:H	1:B:56:GLN:HE21	3	3.84
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD1	7	3.83
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD2	7	3.83
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD1	7	3.83
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD2	7	3.83
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD1	7	3.83
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD2	7	3.83
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD1	7	3.83
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD2	7	3.83
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD1	17	3.83
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD2	17	3.83
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD1	17	3.83
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD2	17	3.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD1	17	3.83
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD2	17	3.83
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD1	17	3.83
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD2	17	3.83
(1,684)	1:A:86:LYS:HD3	1:A:87:HIS:HB3	19	3.83
(1,684)	1:A:86:LYS:HD3	1:B:87:HIS:HB3	19	3.83
(1,684)	1:B:86:LYS:HD3	1:A:87:HIS:HB3	19	3.83
(1,684)	1:B:86:LYS:HD3	1:B:87:HIS:HB3	19	3.83
(1,62)	1:A:81:LEU:H	1:A:56:GLN:HG2	15	3.83
(1,62)	1:A:81:LEU:H	1:B:56:GLN:HG2	15	3.83
(1,62)	1:B:81:LEU:H	1:A:56:GLN:HG2	15	3.83
(1,62)	1:B:81:LEU:H	1:B:56:GLN:HG2	15	3.83
(1,409)	1:A:64:ALA:HA	1:A:67:LYS:HB2	15	3.83
(1,409)	1:A:64:ALA:HA	1:B:67:LYS:HB2	15	3.83
(1,409)	1:B:64:ALA:HA	1:A:67:LYS:HB2	15	3.83
(1,409)	1:B:64:ALA:HA	1:B:67:LYS:HB2	15	3.83
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD1	6	3.82
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD2	6	3.82
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD1	6	3.82
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD2	6	3.82
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD1	6	3.82
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD2	6	3.82
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD1	6	3.82
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD2	6	3.82
(1,811)	1:A:84:THR:HB	1:A:60:LEU:HD11	10	3.82
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD11	10	3.82
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD12	10	3.82
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD13	10	3.82
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD21	10	3.82
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD22	10	3.82
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD23	10	3.82
(1,811)	1:B:84:THR:HB	1:A:60:LEU:HD11	10	3.82
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD11	10	3.82
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD12	10	3.82
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD13	10	3.82
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD21	10	3.82
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD22	10	3.82
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD23	10	3.82
(1,684)	1:A:86:LYS:HD3	1:A:87:HIS:HB3	4	3.82
(1,684)	1:A:86:LYS:HD3	1:B:87:HIS:HB3	4	3.82
(1,684)	1:B:86:LYS:HD3	1:A:87:HIS:HB3	4	3.82
(1,684)	1:B:86:LYS:HD3	1:B:87:HIS:HB3	4	3.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,635)	1:A:89:ARG:HB2	1:A:65:LEU:HG	18	3.82
(1,635)	1:A:89:ARG:HB2	1:B:65:LEU:HG	18	3.82
(1,635)	1:A:89:ARG:HB3	1:A:65:LEU:HG	18	3.82
(1,635)	1:A:89:ARG:HB3	1:B:65:LEU:HG	18	3.82
(1,635)	1:B:89:ARG:HB2	1:A:65:LEU:HG	18	3.82
(1,635)	1:B:89:ARG:HB2	1:B:65:LEU:HG	18	3.82
(1,635)	1:B:89:ARG:HB3	1:A:65:LEU:HG	18	3.82
(1,635)	1:B:89:ARG:HB3	1:B:65:LEU:HG	18	3.82
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB2	7	3.82
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB3	7	3.82
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB2	7	3.82
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB3	7	3.82
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB2	7	3.82
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB3	7	3.82
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB2	7	3.82
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB3	7	3.82
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB2	18	3.82
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB3	18	3.82
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB2	18	3.82
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB3	18	3.82
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB2	18	3.82
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB3	18	3.82
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB2	18	3.82
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB3	18	3.82
(1,432)	1:A:90:ASN:HA	1:A:65:LEU:HG	1	3.82
(1,432)	1:A:90:ASN:HA	1:B:65:LEU:HG	1	3.82
(1,432)	1:B:90:ASN:HA	1:A:65:LEU:HG	1	3.82
(1,432)	1:B:90:ASN:HA	1:B:65:LEU:HG	1	3.82
(1,333)	1:A:81:LEU:H	1:A:56:GLN:HG3	19	3.82
(1,333)	1:A:81:LEU:H	1:B:56:GLN:HG3	19	3.82
(1,333)	1:B:81:LEU:H	1:A:56:GLN:HG3	19	3.82
(1,333)	1:B:81:LEU:H	1:B:56:GLN:HG3	19	3.82
(1,226)	1:A:81:LEU:H	1:A:56:GLN:HE21	2	3.82
(1,226)	1:A:81:LEU:H	1:B:56:GLN:HE21	2	3.82
(1,226)	1:B:81:LEU:H	1:A:56:GLN:HE21	2	3.82
(1,226)	1:B:81:LEU:H	1:B:56:GLN:HE21	2	3.82
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD1	8	3.81
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD2	8	3.81
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD1	8	3.81
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD2	8	3.81
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD1	8	3.81
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD2	8	3.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD1	8	3.81
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD2	8	3.81
(1,62)	1:A:81:LEU:H	1:A:56:GLN:HG2	2	3.81
(1,62)	1:A:81:LEU:H	1:B:56:GLN:HG2	2	3.81
(1,62)	1:B:81:LEU:H	1:A:56:GLN:HG2	2	3.81
(1,62)	1:B:81:LEU:H	1:B:56:GLN:HG2	2	3.81
(1,415)	1:A:86:LYS:HD3	1:A:84:THR:HB	20	3.81
(1,415)	1:A:86:LYS:HD3	1:B:84:THR:HB	20	3.81
(1,415)	1:B:86:LYS:HD3	1:A:84:THR:HB	20	3.81
(1,415)	1:B:86:LYS:HD3	1:B:84:THR:HB	20	3.81
(1,333)	1:A:81:LEU:H	1:A:56:GLN:HG3	3	3.81
(1,333)	1:A:81:LEU:H	1:B:56:GLN:HG3	3	3.81
(1,333)	1:B:81:LEU:H	1:A:56:GLN:HG3	3	3.81
(1,333)	1:B:81:LEU:H	1:B:56:GLN:HG3	3	3.81
(1,226)	1:A:81:LEU:H	1:A:56:GLN:HE21	8	3.81
(1,226)	1:A:81:LEU:H	1:B:56:GLN:HE21	8	3.81
(1,226)	1:B:81:LEU:H	1:A:56:GLN:HE21	8	3.81
(1,226)	1:B:81:LEU:H	1:B:56:GLN:HE21	8	3.81
(1,226)	1:A:81:LEU:H	1:A:56:GLN:HE21	15	3.81
(1,226)	1:A:81:LEU:H	1:B:56:GLN:HE21	15	3.81
(1,226)	1:B:81:LEU:H	1:A:56:GLN:HE21	15	3.81
(1,226)	1:B:81:LEU:H	1:B:56:GLN:HE21	15	3.81
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD1	15	3.8
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD2	15	3.8
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD1	15	3.8
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD2	15	3.8
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD1	15	3.8
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD2	15	3.8
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD1	15	3.8
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD2	15	3.8
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD1	18	3.8
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD2	18	3.8
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD1	18	3.8
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD2	18	3.8
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD1	18	3.8
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD2	18	3.8
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD1	18	3.8
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD2	18	3.8
(1,784)	1:A:64:ALA:HB1	1:A:67:LYS:HB2	12	3.8
(1,784)	1:A:64:ALA:HB1	1:B:67:LYS:HB2	12	3.8
(1,784)	1:A:64:ALA:HB2	1:A:67:LYS:HB2	12	3.8
(1,784)	1:A:64:ALA:HB2	1:B:67:LYS:HB2	12	3.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:A:64:ALA:HB3	1:A:67:LYS:HB2	12	3.8
(1,784)	1:A:64:ALA:HB3	1:B:67:LYS:HB2	12	3.8
(1,784)	1:B:64:ALA:HB1	1:A:67:LYS:HB2	12	3.8
(1,784)	1:B:64:ALA:HB1	1:B:67:LYS:HB2	12	3.8
(1,784)	1:B:64:ALA:HB2	1:A:67:LYS:HB2	12	3.8
(1,784)	1:B:64:ALA:HB2	1:B:67:LYS:HB2	12	3.8
(1,784)	1:B:64:ALA:HB3	1:A:67:LYS:HB2	12	3.8
(1,784)	1:B:64:ALA:HB3	1:B:67:LYS:HB2	12	3.8
(1,62)	1:A:81:LEU:H	1:A:56:GLN:HG2	20	3.8
(1,62)	1:A:81:LEU:H	1:B:56:GLN:HG2	20	3.8
(1,62)	1:B:81:LEU:H	1:A:56:GLN:HG2	20	3.8
(1,62)	1:B:81:LEU:H	1:B:56:GLN:HG2	20	3.8
(1,602)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	16	3.8
(1,602)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	16	3.8
(1,602)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	16	3.8
(1,602)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	16	3.8
(1,409)	1:A:64:ALA:HA	1:A:67:LYS:HB2	19	3.8
(1,409)	1:A:64:ALA:HA	1:B:67:LYS:HB2	19	3.8
(1,409)	1:B:64:ALA:HA	1:A:67:LYS:HB2	19	3.8
(1,409)	1:B:64:ALA:HA	1:B:67:LYS:HB2	19	3.8
(1,226)	1:A:81:LEU:H	1:A:56:GLN:HE21	13	3.8
(1,226)	1:A:81:LEU:H	1:B:56:GLN:HE21	13	3.8
(1,226)	1:B:81:LEU:H	1:A:56:GLN:HE21	13	3.8
(1,226)	1:B:81:LEU:H	1:B:56:GLN:HE21	13	3.8
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	12	3.79
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	12	3.79
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	12	3.79
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	12	3.79
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	12	3.79
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	12	3.79
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	12	3.79
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	12	3.79
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	12	3.79
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	12	3.79
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	12	3.79
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	12	3.79
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	12	3.79
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	12	3.79
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	12	3.79
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	12	3.79
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD1	16	3.79
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD2	16	3.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD1	16	3.79
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD2	16	3.79
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD1	16	3.79
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD2	16	3.79
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD1	16	3.79
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD2	16	3.79
(1,784)	1:A:64:ALA:HB1	1:A:67:LYS:HB2	2	3.79
(1,784)	1:A:64:ALA:HB1	1:B:67:LYS:HB2	2	3.79
(1,784)	1:A:64:ALA:HB2	1:A:67:LYS:HB2	2	3.79
(1,784)	1:A:64:ALA:HB2	1:B:67:LYS:HB2	2	3.79
(1,784)	1:A:64:ALA:HB3	1:A:67:LYS:HB2	2	3.79
(1,784)	1:A:64:ALA:HB3	1:B:67:LYS:HB2	2	3.79
(1,784)	1:B:64:ALA:HB1	1:A:67:LYS:HB2	2	3.79
(1,784)	1:B:64:ALA:HB1	1:B:67:LYS:HB2	2	3.79
(1,784)	1:B:64:ALA:HB2	1:A:67:LYS:HB2	2	3.79
(1,784)	1:B:64:ALA:HB2	1:B:67:LYS:HB2	2	3.79
(1,784)	1:B:64:ALA:HB3	1:A:67:LYS:HB2	2	3.79
(1,784)	1:B:64:ALA:HB3	1:B:67:LYS:HB2	2	3.79
(1,679)	1:A:92:GLN:HG2	1:A:83:MET:HG2	17	3.79
(1,679)	1:A:92:GLN:HG2	1:B:83:MET:HG2	17	3.79
(1,679)	1:A:92:GLN:HG3	1:A:83:MET:HG2	17	3.79
(1,679)	1:A:92:GLN:HG3	1:B:83:MET:HG2	17	3.79
(1,679)	1:B:92:GLN:HG2	1:A:83:MET:HG2	17	3.79
(1,679)	1:B:92:GLN:HG2	1:B:83:MET:HG2	17	3.79
(1,679)	1:B:92:GLN:HG3	1:A:83:MET:HG2	17	3.79
(1,679)	1:B:92:GLN:HG3	1:B:83:MET:HG2	17	3.79
(1,671)	1:A:92:GLN:HG2	1:A:83:MET:HG3	17	3.79
(1,671)	1:A:92:GLN:HG2	1:B:83:MET:HG3	17	3.79
(1,671)	1:A:92:GLN:HG3	1:A:83:MET:HG3	17	3.79
(1,671)	1:A:92:GLN:HG3	1:B:83:MET:HG3	17	3.79
(1,671)	1:B:92:GLN:HG2	1:A:83:MET:HG3	17	3.79
(1,671)	1:B:92:GLN:HG2	1:B:83:MET:HG3	17	3.79
(1,671)	1:B:92:GLN:HG3	1:A:83:MET:HG3	17	3.79
(1,671)	1:B:92:GLN:HG3	1:B:83:MET:HG3	17	3.79
(1,62)	1:A:81:LEU:H	1:A:56:GLN:HG2	14	3.79
(1,62)	1:A:81:LEU:H	1:B:56:GLN:HG2	14	3.79
(1,62)	1:B:81:LEU:H	1:A:56:GLN:HG2	14	3.79
(1,62)	1:B:81:LEU:H	1:B:56:GLN:HG2	14	3.79
(1,603)	1:A:64:ALA:HB2	1:A:67:LYS:HG2	9	3.79
(1,603)	1:A:64:ALA:HB2	1:B:67:LYS:HG2	9	3.79
(1,603)	1:B:64:ALA:HB2	1:A:67:LYS:HG2	9	3.79
(1,603)	1:B:64:ALA:HB2	1:B:67:LYS:HG2	9	3.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:A:92:GLN:HE21	1:A:83:MET:HA	9	3.79
(1,561)	1:A:92:GLN:HE21	1:B:83:MET:HA	9	3.79
(1,561)	1:A:92:GLN:HE22	1:A:83:MET:HA	9	3.79
(1,561)	1:A:92:GLN:HE22	1:B:83:MET:HA	9	3.79
(1,561)	1:B:92:GLN:HE21	1:A:83:MET:HA	9	3.79
(1,561)	1:B:92:GLN:HE21	1:B:83:MET:HA	9	3.79
(1,561)	1:B:92:GLN:HE22	1:A:83:MET:HA	9	3.79
(1,561)	1:B:92:GLN:HE22	1:B:83:MET:HA	9	3.79
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB2	4	3.79
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB3	4	3.79
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB2	4	3.79
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB3	4	3.79
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB2	4	3.79
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB3	4	3.79
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB2	4	3.79
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB3	4	3.79
(1,333)	1:A:81:LEU:H	1:A:56:GLN:HG3	2	3.79
(1,333)	1:A:81:LEU:H	1:B:56:GLN:HG3	2	3.79
(1,333)	1:B:81:LEU:H	1:A:56:GLN:HG3	2	3.79
(1,333)	1:B:81:LEU:H	1:B:56:GLN:HG3	2	3.79
(1,246)	1:A:81:LEU:H	1:A:56:GLN:HE22	5	3.79
(1,246)	1:A:81:LEU:H	1:B:56:GLN:HE22	5	3.79
(1,246)	1:B:81:LEU:H	1:A:56:GLN:HE22	5	3.79
(1,246)	1:B:81:LEU:H	1:B:56:GLN:HE22	5	3.79
(1,941)	1:A:78:ALA:N	1:A:74:LYS:O	19	3.78
(1,941)	1:A:78:ALA:N	1:B:74:LYS:O	19	3.78
(1,941)	1:B:78:ALA:N	1:A:74:LYS:O	19	3.78
(1,941)	1:B:78:ALA:N	1:B:74:LYS:O	19	3.78
(1,848)	1:A:90:ASN:HD21	1:A:66:LYS:HE2	13	3.78
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE2	13	3.78
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE3	13	3.78
(1,848)	1:A:90:ASN:HD22	1:A:66:LYS:HE2	13	3.78
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE2	13	3.78
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE3	13	3.78
(1,848)	1:B:90:ASN:HD21	1:A:66:LYS:HE2	13	3.78
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE2	13	3.78
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE3	13	3.78
(1,848)	1:B:90:ASN:HD22	1:A:66:LYS:HE2	13	3.78
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE2	13	3.78
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE3	13	3.78
(1,811)	1:A:84:THR:HB	1:A:60:LEU:HD11	6	3.78
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD11	6	3.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD12	6	3.78
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD13	6	3.78
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD21	6	3.78
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD22	6	3.78
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD23	6	3.78
(1,811)	1:B:84:THR:HB	1:A:60:LEU:HD11	6	3.78
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD11	6	3.78
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD12	6	3.78
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD13	6	3.78
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD21	6	3.78
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD22	6	3.78
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD23	6	3.78
(1,62)	1:A:81:LEU:H	1:A:56:GLN:HG2	3	3.78
(1,62)	1:A:81:LEU:H	1:B:56:GLN:HG2	3	3.78
(1,62)	1:B:81:LEU:H	1:A:56:GLN:HG2	3	3.78
(1,62)	1:B:81:LEU:H	1:B:56:GLN:HG2	3	3.78
(1,561)	1:A:92:GLN:HE21	1:A:83:MET:HA	6	3.78
(1,561)	1:A:92:GLN:HE21	1:B:83:MET:HA	6	3.78
(1,561)	1:A:92:GLN:HE22	1:A:83:MET:HA	6	3.78
(1,561)	1:A:92:GLN:HE22	1:B:83:MET:HA	6	3.78
(1,561)	1:B:92:GLN:HE21	1:A:83:MET:HA	6	3.78
(1,561)	1:B:92:GLN:HE21	1:B:83:MET:HA	6	3.78
(1,561)	1:B:92:GLN:HE22	1:A:83:MET:HA	6	3.78
(1,561)	1:B:92:GLN:HE22	1:B:83:MET:HA	6	3.78
(1,432)	1:A:90:ASN:HA	1:A:65:LEU:HG	16	3.78
(1,432)	1:A:90:ASN:HA	1:B:65:LEU:HG	16	3.78
(1,432)	1:B:90:ASN:HA	1:A:65:LEU:HG	16	3.78
(1,432)	1:B:90:ASN:HA	1:B:65:LEU:HG	16	3.78
(1,409)	1:A:64:ALA:HA	1:A:67:LYS:HB2	2	3.78
(1,409)	1:A:64:ALA:HA	1:B:67:LYS:HB2	2	3.78
(1,409)	1:B:64:ALA:HA	1:A:67:LYS:HB2	2	3.78
(1,409)	1:B:64:ALA:HA	1:B:67:LYS:HB2	2	3.78
(1,784)	1:A:64:ALA:HB1	1:A:67:LYS:HB2	15	3.77
(1,784)	1:A:64:ALA:HB1	1:B:67:LYS:HB2	15	3.77
(1,784)	1:A:64:ALA:HB2	1:A:67:LYS:HB2	15	3.77
(1,784)	1:A:64:ALA:HB2	1:B:67:LYS:HB2	15	3.77
(1,784)	1:A:64:ALA:HB3	1:A:67:LYS:HB2	15	3.77
(1,784)	1:A:64:ALA:HB3	1:B:67:LYS:HB2	15	3.77
(1,784)	1:B:64:ALA:HB1	1:A:67:LYS:HB2	15	3.77
(1,784)	1:B:64:ALA:HB1	1:B:67:LYS:HB2	15	3.77
(1,784)	1:B:64:ALA:HB2	1:A:67:LYS:HB2	15	3.77
(1,784)	1:B:64:ALA:HB2	1:B:67:LYS:HB2	15	3.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:B:64:ALA:HB3	1:A:67:LYS:HB2	15	3.77
(1,784)	1:B:64:ALA:HB3	1:B:67:LYS:HB2	15	3.77
(1,671)	1:A:92:GLN:HG2	1:A:83:MET:HG3	4	3.77
(1,671)	1:A:92:GLN:HG2	1:B:83:MET:HG3	4	3.77
(1,671)	1:A:92:GLN:HG3	1:A:83:MET:HG3	4	3.77
(1,671)	1:A:92:GLN:HG3	1:B:83:MET:HG3	4	3.77
(1,671)	1:B:92:GLN:HG2	1:A:83:MET:HG3	4	3.77
(1,671)	1:B:92:GLN:HG2	1:B:83:MET:HG3	4	3.77
(1,671)	1:B:92:GLN:HG3	1:A:83:MET:HG3	4	3.77
(1,671)	1:B:92:GLN:HG3	1:B:83:MET:HG3	4	3.77
(1,603)	1:A:64:ALA:HB2	1:A:67:LYS:HG2	2	3.77
(1,603)	1:A:64:ALA:HB2	1:B:67:LYS:HG2	2	3.77
(1,603)	1:B:64:ALA:HB2	1:A:67:LYS:HG2	2	3.77
(1,603)	1:B:64:ALA:HB2	1:B:67:LYS:HG2	2	3.77
(1,603)	1:A:64:ALA:HB2	1:A:67:LYS:HG2	12	3.77
(1,603)	1:A:64:ALA:HB2	1:B:67:LYS:HG2	12	3.77
(1,603)	1:B:64:ALA:HB2	1:A:67:LYS:HG2	12	3.77
(1,603)	1:B:64:ALA:HB2	1:B:67:LYS:HG2	12	3.77
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB2	6	3.77
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB3	6	3.77
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB2	6	3.77
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB3	6	3.77
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB2	6	3.77
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB3	6	3.77
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB2	6	3.77
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB3	6	3.77
(1,333)	1:A:81:LEU:H	1:A:56:GLN:HG3	8	3.77
(1,333)	1:A:81:LEU:H	1:B:56:GLN:HG3	8	3.77
(1,333)	1:B:81:LEU:H	1:A:56:GLN:HG3	8	3.77
(1,333)	1:B:81:LEU:H	1:B:56:GLN:HG3	8	3.77
(1,333)	1:A:81:LEU:H	1:A:56:GLN:HG3	14	3.77
(1,333)	1:A:81:LEU:H	1:B:56:GLN:HG3	14	3.77
(1,333)	1:B:81:LEU:H	1:A:56:GLN:HG3	14	3.77
(1,333)	1:B:81:LEU:H	1:B:56:GLN:HG3	14	3.77
(1,635)	1:A:89:ARG:HB2	1:A:65:LEU:HG	2	3.76
(1,635)	1:A:89:ARG:HB2	1:B:65:LEU:HG	2	3.76
(1,635)	1:A:89:ARG:HB3	1:A:65:LEU:HG	2	3.76
(1,635)	1:A:89:ARG:HB3	1:B:65:LEU:HG	2	3.76
(1,635)	1:B:89:ARG:HB2	1:A:65:LEU:HG	2	3.76
(1,635)	1:B:89:ARG:HB2	1:B:65:LEU:HG	2	3.76
(1,635)	1:B:89:ARG:HB3	1:A:65:LEU:HG	2	3.76
(1,635)	1:B:89:ARG:HB3	1:B:65:LEU:HG	2	3.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:A:81:LEU:H	1:A:56:GLN:HG2	8	3.76
(1,62)	1:A:81:LEU:H	1:B:56:GLN:HG2	8	3.76
(1,62)	1:B:81:LEU:H	1:A:56:GLN:HG2	8	3.76
(1,62)	1:B:81:LEU:H	1:B:56:GLN:HG2	8	3.76
(1,601)	1:A:64:ALA:HB1	1:A:67:LYS:HG2	4	3.76
(1,601)	1:A:64:ALA:HB1	1:B:67:LYS:HG2	4	3.76
(1,601)	1:B:64:ALA:HB1	1:A:67:LYS:HG2	4	3.76
(1,601)	1:B:64:ALA:HB1	1:B:67:LYS:HG2	4	3.76
(1,333)	1:A:81:LEU:H	1:A:56:GLN:HG3	12	3.76
(1,333)	1:A:81:LEU:H	1:B:56:GLN:HG3	12	3.76
(1,333)	1:B:81:LEU:H	1:A:56:GLN:HG3	12	3.76
(1,333)	1:B:81:LEU:H	1:B:56:GLN:HG3	12	3.76
(1,62)	1:A:81:LEU:H	1:A:56:GLN:HG2	9	3.74
(1,62)	1:A:81:LEU:H	1:B:56:GLN:HG2	9	3.74
(1,62)	1:B:81:LEU:H	1:A:56:GLN:HG2	9	3.74
(1,62)	1:B:81:LEU:H	1:B:56:GLN:HG2	9	3.74
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB2	15	3.74
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB3	15	3.74
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB2	15	3.74
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB3	15	3.74
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB2	15	3.74
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB3	15	3.74
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB2	15	3.74
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB3	15	3.74
(1,684)	1:A:86:LYS:HD3	1:A:87:HIS:HB3	11	3.73
(1,684)	1:A:86:LYS:HD3	1:B:87:HIS:HB3	11	3.73
(1,684)	1:B:86:LYS:HD3	1:A:87:HIS:HB3	11	3.73
(1,684)	1:B:86:LYS:HD3	1:B:87:HIS:HB3	11	3.73
(1,561)	1:A:92:GLN:HE21	1:A:83:MET:HA	17	3.73
(1,561)	1:A:92:GLN:HE21	1:B:83:MET:HA	17	3.73
(1,561)	1:A:92:GLN:HE22	1:A:83:MET:HA	17	3.73
(1,561)	1:A:92:GLN:HE22	1:B:83:MET:HA	17	3.73
(1,561)	1:B:92:GLN:HE21	1:A:83:MET:HA	17	3.73
(1,561)	1:B:92:GLN:HE21	1:B:83:MET:HA	17	3.73
(1,561)	1:B:92:GLN:HE22	1:A:83:MET:HA	17	3.73
(1,561)	1:B:92:GLN:HE22	1:B:83:MET:HA	17	3.73
(1,460)	1:A:73:SER:HA	1:A:76:GLU:HB2	2	3.73
(1,460)	1:A:73:SER:HA	1:B:76:GLU:HB2	2	3.73
(1,460)	1:B:73:SER:HA	1:A:76:GLU:HB2	2	3.73
(1,460)	1:B:73:SER:HA	1:B:76:GLU:HB2	2	3.73
(1,246)	1:A:81:LEU:H	1:A:56:GLN:HE22	10	3.73
(1,246)	1:A:81:LEU:H	1:B:56:GLN:HE22	10	3.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,246)	1:B:81:LEU:H	1:A:56:GLN:HE22	10	3.73
(1,246)	1:B:81:LEU:H	1:B:56:GLN:HE22	10	3.73
(1,226)	1:A:81:LEU:H	1:A:56:GLN:HE21	14	3.73
(1,226)	1:A:81:LEU:H	1:B:56:GLN:HE21	14	3.73
(1,226)	1:B:81:LEU:H	1:A:56:GLN:HE21	14	3.73
(1,226)	1:B:81:LEU:H	1:B:56:GLN:HE21	14	3.73
(1,784)	1:A:64:ALA:HB1	1:A:67:LYS:HB2	17	3.72
(1,784)	1:A:64:ALA:HB1	1:B:67:LYS:HB2	17	3.72
(1,784)	1:A:64:ALA:HB2	1:A:67:LYS:HB2	17	3.72
(1,784)	1:A:64:ALA:HB2	1:B:67:LYS:HB2	17	3.72
(1,784)	1:A:64:ALA:HB3	1:A:67:LYS:HB2	17	3.72
(1,784)	1:A:64:ALA:HB3	1:B:67:LYS:HB2	17	3.72
(1,784)	1:B:64:ALA:HB1	1:A:67:LYS:HB2	17	3.72
(1,784)	1:B:64:ALA:HB1	1:B:67:LYS:HB2	17	3.72
(1,784)	1:B:64:ALA:HB2	1:A:67:LYS:HB2	17	3.72
(1,784)	1:B:64:ALA:HB2	1:B:67:LYS:HB2	17	3.72
(1,784)	1:B:64:ALA:HB3	1:A:67:LYS:HB2	17	3.72
(1,784)	1:B:64:ALA:HB3	1:B:67:LYS:HB2	17	3.72
(1,784)	1:A:64:ALA:HB1	1:A:67:LYS:HB2	19	3.72
(1,784)	1:A:64:ALA:HB1	1:B:67:LYS:HB2	19	3.72
(1,784)	1:A:64:ALA:HB2	1:A:67:LYS:HB2	19	3.72
(1,784)	1:A:64:ALA:HB2	1:B:67:LYS:HB2	19	3.72
(1,784)	1:A:64:ALA:HB3	1:A:67:LYS:HB2	19	3.72
(1,784)	1:A:64:ALA:HB3	1:B:67:LYS:HB2	19	3.72
(1,784)	1:B:64:ALA:HB1	1:A:67:LYS:HB2	19	3.72
(1,784)	1:B:64:ALA:HB1	1:B:67:LYS:HB2	19	3.72
(1,784)	1:B:64:ALA:HB2	1:A:67:LYS:HB2	19	3.72
(1,784)	1:B:64:ALA:HB2	1:B:67:LYS:HB2	19	3.72
(1,784)	1:B:64:ALA:HB3	1:A:67:LYS:HB2	19	3.72
(1,784)	1:B:64:ALA:HB3	1:B:67:LYS:HB2	19	3.72
(1,835)	1:A:87:HIS:HD1	1:A:67:LYS:HD2	15	3.71
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD2	15	3.71
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD3	15	3.71
(1,835)	1:A:87:HIS:HD2	1:A:67:LYS:HD2	15	3.71
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD2	15	3.71
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD3	15	3.71
(1,835)	1:B:87:HIS:HD1	1:A:67:LYS:HD2	15	3.71
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD2	15	3.71
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD3	15	3.71
(1,835)	1:B:87:HIS:HD2	1:A:67:LYS:HD2	15	3.71
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD2	15	3.71
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD3	15	3.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD1	2	3.71
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD2	2	3.71
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD1	2	3.71
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD2	2	3.71
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD1	2	3.71
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD2	2	3.71
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD1	2	3.71
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD2	2	3.71
(1,62)	1:A:81:LEU:H	1:A:56:GLN:HG2	12	3.71
(1,62)	1:A:81:LEU:H	1:B:56:GLN:HG2	12	3.71
(1,62)	1:B:81:LEU:H	1:A:56:GLN:HG2	12	3.71
(1,62)	1:B:81:LEU:H	1:B:56:GLN:HG2	12	3.71
(1,603)	1:A:64:ALA:HB2	1:A:67:LYS:HG2	11	3.71
(1,603)	1:A:64:ALA:HB2	1:B:67:LYS:HG2	11	3.71
(1,603)	1:B:64:ALA:HB2	1:A:67:LYS:HG2	11	3.71
(1,603)	1:B:64:ALA:HB2	1:B:67:LYS:HG2	11	3.71
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB2	17	3.71
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB3	17	3.71
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB2	17	3.71
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB3	17	3.71
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB2	17	3.71
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB3	17	3.71
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB2	17	3.71
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB3	17	3.71
(1,308)	1:A:90:ASN:H	1:A:65:LEU:HG	5	3.71
(1,308)	1:A:90:ASN:H	1:B:65:LEU:HG	5	3.71
(1,308)	1:B:90:ASN:H	1:A:65:LEU:HG	5	3.71
(1,308)	1:B:90:ASN:H	1:B:65:LEU:HG	5	3.71
(1,308)	1:A:90:ASN:H	1:A:65:LEU:HG	17	3.71
(1,308)	1:A:90:ASN:H	1:B:65:LEU:HG	17	3.71
(1,308)	1:B:90:ASN:H	1:A:65:LEU:HG	17	3.71
(1,308)	1:B:90:ASN:H	1:B:65:LEU:HG	17	3.71
(1,679)	1:A:92:GLN:HG2	1:A:83:MET:HG2	4	3.7
(1,679)	1:A:92:GLN:HG2	1:B:83:MET:HG2	4	3.7
(1,679)	1:A:92:GLN:HG3	1:A:83:MET:HG2	4	3.7
(1,679)	1:A:92:GLN:HG3	1:B:83:MET:HG2	4	3.7
(1,679)	1:B:92:GLN:HG2	1:A:83:MET:HG2	4	3.7
(1,679)	1:B:92:GLN:HG2	1:B:83:MET:HG2	4	3.7
(1,679)	1:B:92:GLN:HG3	1:A:83:MET:HG2	4	3.7
(1,679)	1:B:92:GLN:HG3	1:B:83:MET:HG2	4	3.7
(1,409)	1:A:64:ALA:HA	1:A:67:LYS:HB2	10	3.7
(1,409)	1:A:64:ALA:HA	1:B:67:LYS:HB2	10	3.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:B:64:ALA:HA	1:A:67:LYS:HB2	10	3.7
(1,409)	1:B:64:ALA:HA	1:B:67:LYS:HB2	10	3.7
(1,789)	1:A:66:LYS:HA	1:A:69:SER:HG	13	3.69
(1,789)	1:A:66:LYS:HA	1:B:69:SER:HG	13	3.69
(1,789)	1:B:66:LYS:HA	1:A:69:SER:HG	13	3.69
(1,789)	1:B:66:LYS:HA	1:B:69:SER:HG	13	3.69
(1,784)	1:A:64:ALA:HB1	1:A:67:LYS:HB2	6	3.69
(1,784)	1:A:64:ALA:HB1	1:B:67:LYS:HB2	6	3.69
(1,784)	1:A:64:ALA:HB2	1:A:67:LYS:HB2	6	3.69
(1,784)	1:A:64:ALA:HB2	1:B:67:LYS:HB2	6	3.69
(1,784)	1:A:64:ALA:HB3	1:A:67:LYS:HB2	6	3.69
(1,784)	1:A:64:ALA:HB3	1:B:67:LYS:HB2	6	3.69
(1,784)	1:B:64:ALA:HB1	1:A:67:LYS:HB2	6	3.69
(1,784)	1:B:64:ALA:HB1	1:B:67:LYS:HB2	6	3.69
(1,784)	1:B:64:ALA:HB2	1:A:67:LYS:HB2	6	3.69
(1,784)	1:B:64:ALA:HB2	1:B:67:LYS:HB2	6	3.69
(1,784)	1:B:64:ALA:HB3	1:A:67:LYS:HB2	6	3.69
(1,784)	1:B:64:ALA:HB3	1:B:67:LYS:HB2	6	3.69
(1,679)	1:A:92:GLN:HG2	1:A:83:MET:HG2	9	3.69
(1,679)	1:A:92:GLN:HG2	1:B:83:MET:HG2	9	3.69
(1,679)	1:A:92:GLN:HG3	1:A:83:MET:HG2	9	3.69
(1,679)	1:A:92:GLN:HG3	1:B:83:MET:HG2	9	3.69
(1,679)	1:B:92:GLN:HG2	1:A:83:MET:HG2	9	3.69
(1,679)	1:B:92:GLN:HG2	1:B:83:MET:HG2	9	3.69
(1,679)	1:B:92:GLN:HG3	1:A:83:MET:HG2	9	3.69
(1,679)	1:B:92:GLN:HG3	1:B:83:MET:HG2	9	3.69
(1,684)	1:A:86:LYS:HD3	1:A:87:HIS:HB3	5	3.68
(1,684)	1:A:86:LYS:HD3	1:B:87:HIS:HB3	5	3.68
(1,684)	1:B:86:LYS:HD3	1:A:87:HIS:HB3	5	3.68
(1,684)	1:B:86:LYS:HD3	1:B:87:HIS:HB3	5	3.68
(1,684)	1:A:86:LYS:HD3	1:A:87:HIS:HB3	15	3.68
(1,684)	1:A:86:LYS:HD3	1:B:87:HIS:HB3	15	3.68
(1,684)	1:B:86:LYS:HD3	1:A:87:HIS:HB3	15	3.68
(1,684)	1:B:86:LYS:HD3	1:B:87:HIS:HB3	15	3.68
(1,561)	1:A:92:GLN:HE21	1:A:83:MET:HA	19	3.68
(1,561)	1:A:92:GLN:HE21	1:B:83:MET:HA	19	3.68
(1,561)	1:A:92:GLN:HE22	1:A:83:MET:HA	19	3.68
(1,561)	1:A:92:GLN:HE22	1:B:83:MET:HA	19	3.68
(1,561)	1:B:92:GLN:HE21	1:A:83:MET:HA	19	3.68
(1,561)	1:B:92:GLN:HE21	1:B:83:MET:HA	19	3.68
(1,561)	1:B:92:GLN:HE22	1:A:83:MET:HA	19	3.68
(1,561)	1:B:92:GLN:HE22	1:B:83:MET:HA	19	3.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:A:86:LYS:HD3	1:A:84:THR:HB	6	3.68
(1,415)	1:A:86:LYS:HD3	1:B:84:THR:HB	6	3.68
(1,415)	1:B:86:LYS:HD3	1:A:84:THR:HB	6	3.68
(1,415)	1:B:86:LYS:HD3	1:B:84:THR:HB	6	3.68
(1,409)	1:A:64:ALA:HA	1:A:67:LYS:HB2	18	3.68
(1,409)	1:A:64:ALA:HA	1:B:67:LYS:HB2	18	3.68
(1,409)	1:B:64:ALA:HA	1:A:67:LYS:HB2	18	3.68
(1,409)	1:B:64:ALA:HA	1:B:67:LYS:HB2	18	3.68
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG2	2	3.67
(1,57)	1:A:73:SER:H	1:A:77:LYS:HG3	2	3.67
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG2	2	3.67
(1,57)	1:A:73:SER:H	1:B:77:LYS:HG3	2	3.67
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG2	2	3.67
(1,57)	1:B:73:SER:H	1:A:77:LYS:HG3	2	3.67
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG2	2	3.67
(1,57)	1:B:73:SER:H	1:B:77:LYS:HG3	2	3.67
(1,226)	1:A:81:LEU:H	1:A:56:GLN:HE21	9	3.67
(1,226)	1:A:81:LEU:H	1:B:56:GLN:HE21	9	3.67
(1,226)	1:B:81:LEU:H	1:A:56:GLN:HE21	9	3.67
(1,226)	1:B:81:LEU:H	1:B:56:GLN:HE21	9	3.67
(1,99)	1:A:66:LYS:HE2	1:A:92:GLN:H	19	3.66
(1,99)	1:A:66:LYS:HE2	1:B:92:GLN:H	19	3.66
(1,99)	1:B:66:LYS:HE2	1:A:92:GLN:H	19	3.66
(1,99)	1:B:66:LYS:HE2	1:B:92:GLN:H	19	3.66
(1,99)	1:B:66:LYS:HE3	1:A:92:GLN:H	19	3.66
(1,99)	1:B:66:LYS:HE3	1:B:92:GLN:H	19	3.66
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD11	20	3.66
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD12	20	3.66
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD13	20	3.66
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD21	20	3.66
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD22	20	3.66
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD23	20	3.66
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD11	20	3.66
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD12	20	3.66
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD13	20	3.66
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD21	20	3.66
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD22	20	3.66
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD23	20	3.66
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD11	20	3.66
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD12	20	3.66
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD13	20	3.66
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD21	20	3.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD22	20	3.66
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD23	20	3.66
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD11	20	3.66
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD12	20	3.66
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD13	20	3.66
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD21	20	3.66
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD22	20	3.66
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD23	20	3.66
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD11	20	3.66
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD12	20	3.66
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD13	20	3.66
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD21	20	3.66
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD22	20	3.66
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD23	20	3.66
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD11	20	3.66
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD12	20	3.66
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD13	20	3.66
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD21	20	3.66
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD22	20	3.66
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD23	20	3.66
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD11	20	3.66
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD12	20	3.66
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD13	20	3.66
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD21	20	3.66
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD22	20	3.66
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD23	20	3.66
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD11	20	3.66
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD12	20	3.66
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD13	20	3.66
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD21	20	3.66
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD22	20	3.66
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD23	20	3.66
(1,561)	1:A:92:GLN:HE21	1:A:83:MET:HA	10	3.66
(1,561)	1:A:92:GLN:HE21	1:B:83:MET:HA	10	3.66
(1,561)	1:A:92:GLN:HE22	1:A:83:MET:HA	10	3.66
(1,561)	1:A:92:GLN:HE22	1:B:83:MET:HA	10	3.66
(1,561)	1:B:92:GLN:HE21	1:A:83:MET:HA	10	3.66
(1,561)	1:B:92:GLN:HE21	1:B:83:MET:HA	10	3.66
(1,561)	1:B:92:GLN:HE22	1:A:83:MET:HA	10	3.66
(1,561)	1:B:92:GLN:HE22	1:B:83:MET:HA	10	3.66
(1,415)	1:A:86:LYS:HD3	1:A:84:THR:HB	9	3.66
(1,415)	1:A:86:LYS:HD3	1:B:84:THR:HB	9	3.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:B:86:LYS:HD3	1:A:84:THR:HB	9	3.66
(1,415)	1:B:86:LYS:HD3	1:B:84:THR:HB	9	3.66
(1,415)	1:A:86:LYS:HD3	1:A:84:THR:HB	14	3.66
(1,415)	1:A:86:LYS:HD3	1:B:84:THR:HB	14	3.66
(1,415)	1:B:86:LYS:HD3	1:A:84:THR:HB	14	3.66
(1,415)	1:B:86:LYS:HD3	1:B:84:THR:HB	14	3.66
(1,409)	1:A:64:ALA:HA	1:A:67:LYS:HB2	6	3.66
(1,409)	1:A:64:ALA:HA	1:B:67:LYS:HB2	6	3.66
(1,409)	1:B:64:ALA:HA	1:A:67:LYS:HB2	6	3.66
(1,409)	1:B:64:ALA:HA	1:B:67:LYS:HB2	6	3.66
(1,671)	1:A:92:GLN:HG2	1:A:83:MET:HG3	7	3.65
(1,671)	1:A:92:GLN:HG2	1:B:83:MET:HG3	7	3.65
(1,671)	1:A:92:GLN:HG3	1:A:83:MET:HG3	7	3.65
(1,671)	1:A:92:GLN:HG3	1:B:83:MET:HG3	7	3.65
(1,671)	1:B:92:GLN:HG2	1:A:83:MET:HG3	7	3.65
(1,671)	1:B:92:GLN:HG2	1:B:83:MET:HG3	7	3.65
(1,671)	1:B:92:GLN:HG3	1:A:83:MET:HG3	7	3.65
(1,671)	1:B:92:GLN:HG3	1:B:83:MET:HG3	7	3.65
(1,561)	1:A:92:GLN:HE21	1:A:83:MET:HA	7	3.65
(1,561)	1:A:92:GLN:HE21	1:B:83:MET:HA	7	3.65
(1,561)	1:A:92:GLN:HE22	1:A:83:MET:HA	7	3.65
(1,561)	1:A:92:GLN:HE22	1:B:83:MET:HA	7	3.65
(1,561)	1:B:92:GLN:HE21	1:A:83:MET:HA	7	3.65
(1,561)	1:B:92:GLN:HE21	1:B:83:MET:HA	7	3.65
(1,561)	1:B:92:GLN:HE22	1:A:83:MET:HA	7	3.65
(1,561)	1:B:92:GLN:HE22	1:B:83:MET:HA	7	3.65
(1,561)	1:A:92:GLN:HE21	1:A:83:MET:HA	18	3.65
(1,561)	1:A:92:GLN:HE21	1:B:83:MET:HA	18	3.65
(1,561)	1:A:92:GLN:HE22	1:A:83:MET:HA	18	3.65
(1,561)	1:A:92:GLN:HE22	1:B:83:MET:HA	18	3.65
(1,561)	1:B:92:GLN:HE21	1:A:83:MET:HA	18	3.65
(1,561)	1:B:92:GLN:HE21	1:B:83:MET:HA	18	3.65
(1,561)	1:B:92:GLN:HE22	1:A:83:MET:HA	18	3.65
(1,561)	1:B:92:GLN:HE22	1:B:83:MET:HA	18	3.65
(1,561)	1:A:92:GLN:HE21	1:A:83:MET:HA	3	3.64
(1,561)	1:A:92:GLN:HE21	1:B:83:MET:HA	3	3.64
(1,561)	1:A:92:GLN:HE22	1:A:83:MET:HA	3	3.64
(1,561)	1:A:92:GLN:HE22	1:B:83:MET:HA	3	3.64
(1,561)	1:B:92:GLN:HE21	1:A:83:MET:HA	3	3.64
(1,561)	1:B:92:GLN:HE21	1:B:83:MET:HA	3	3.64
(1,561)	1:B:92:GLN:HE22	1:A:83:MET:HA	3	3.64
(1,561)	1:B:92:GLN:HE22	1:B:83:MET:HA	3	3.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,246)	1:A:81:LEU:H	1:A:56:GLN:HE22	16	3.64
(1,246)	1:A:81:LEU:H	1:B:56:GLN:HE22	16	3.64
(1,246)	1:B:81:LEU:H	1:A:56:GLN:HE22	16	3.64
(1,246)	1:B:81:LEU:H	1:B:56:GLN:HE22	16	3.64
(1,784)	1:A:64:ALA:HB1	1:A:67:LYS:HB2	10	3.63
(1,784)	1:A:64:ALA:HB1	1:B:67:LYS:HB2	10	3.63
(1,784)	1:A:64:ALA:HB2	1:A:67:LYS:HB2	10	3.63
(1,784)	1:A:64:ALA:HB2	1:B:67:LYS:HB2	10	3.63
(1,784)	1:A:64:ALA:HB3	1:A:67:LYS:HB2	10	3.63
(1,784)	1:A:64:ALA:HB3	1:B:67:LYS:HB2	10	3.63
(1,784)	1:B:64:ALA:HB1	1:A:67:LYS:HB2	10	3.63
(1,784)	1:B:64:ALA:HB1	1:B:67:LYS:HB2	10	3.63
(1,784)	1:B:64:ALA:HB2	1:A:67:LYS:HB2	10	3.63
(1,784)	1:B:64:ALA:HB2	1:B:67:LYS:HB2	10	3.63
(1,784)	1:B:64:ALA:HB3	1:A:67:LYS:HB2	10	3.63
(1,784)	1:B:64:ALA:HB3	1:B:67:LYS:HB2	10	3.63
(1,684)	1:A:86:LYS:HD3	1:A:87:HIS:HB3	14	3.63
(1,684)	1:A:86:LYS:HD3	1:B:87:HIS:HB3	14	3.63
(1,684)	1:B:86:LYS:HD3	1:A:87:HIS:HB3	14	3.63
(1,684)	1:B:86:LYS:HD3	1:B:87:HIS:HB3	14	3.63
(1,671)	1:A:92:GLN:HG2	1:A:83:MET:HG3	10	3.63
(1,671)	1:A:92:GLN:HG2	1:B:83:MET:HG3	10	3.63
(1,671)	1:A:92:GLN:HG3	1:A:83:MET:HG3	10	3.63
(1,671)	1:A:92:GLN:HG3	1:B:83:MET:HG3	10	3.63
(1,671)	1:B:92:GLN:HG2	1:A:83:MET:HG3	10	3.63
(1,671)	1:B:92:GLN:HG2	1:B:83:MET:HG3	10	3.63
(1,671)	1:B:92:GLN:HG3	1:A:83:MET:HG3	10	3.63
(1,671)	1:B:92:GLN:HG3	1:B:83:MET:HG3	10	3.63
(1,226)	1:A:81:LEU:H	1:A:56:GLN:HE21	12	3.63
(1,226)	1:A:81:LEU:H	1:B:56:GLN:HE21	12	3.63
(1,226)	1:B:81:LEU:H	1:A:56:GLN:HE21	12	3.63
(1,226)	1:B:81:LEU:H	1:B:56:GLN:HE21	12	3.63
(1,603)	1:A:64:ALA:HB2	1:A:67:LYS:HG2	16	3.62
(1,603)	1:A:64:ALA:HB2	1:B:67:LYS:HG2	16	3.62
(1,603)	1:B:64:ALA:HB2	1:A:67:LYS:HG2	16	3.62
(1,603)	1:B:64:ALA:HB2	1:B:67:LYS:HG2	16	3.62
(1,561)	1:A:92:GLN:HE21	1:A:83:MET:HA	12	3.62
(1,561)	1:A:92:GLN:HE21	1:B:83:MET:HA	12	3.62
(1,561)	1:A:92:GLN:HE22	1:A:83:MET:HA	12	3.62
(1,561)	1:A:92:GLN:HE22	1:B:83:MET:HA	12	3.62
(1,561)	1:B:92:GLN:HE21	1:A:83:MET:HA	12	3.62
(1,561)	1:B:92:GLN:HE21	1:B:83:MET:HA	12	3.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:B:92:GLN:HE22	1:A:83:MET:HA	12	3.62
(1,561)	1:B:92:GLN:HE22	1:B:83:MET:HA	12	3.62
(1,561)	1:A:92:GLN:HE21	1:A:83:MET:HA	16	3.62
(1,561)	1:A:92:GLN:HE21	1:B:83:MET:HA	16	3.62
(1,561)	1:A:92:GLN:HE22	1:A:83:MET:HA	16	3.62
(1,561)	1:A:92:GLN:HE22	1:B:83:MET:HA	16	3.62
(1,561)	1:B:92:GLN:HE21	1:A:83:MET:HA	16	3.62
(1,561)	1:B:92:GLN:HE21	1:B:83:MET:HA	16	3.62
(1,561)	1:B:92:GLN:HE22	1:A:83:MET:HA	16	3.62
(1,561)	1:B:92:GLN:HE22	1:B:83:MET:HA	16	3.62
(1,415)	1:A:86:LYS:HD3	1:A:84:THR:HB	7	3.62
(1,415)	1:A:86:LYS:HD3	1:B:84:THR:HB	7	3.62
(1,415)	1:B:86:LYS:HD3	1:A:84:THR:HB	7	3.62
(1,415)	1:B:86:LYS:HD3	1:B:84:THR:HB	7	3.62
(1,848)	1:A:90:ASN:HD21	1:A:66:LYS:HE2	11	3.61
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE2	11	3.61
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE3	11	3.61
(1,848)	1:A:90:ASN:HD22	1:A:66:LYS:HE2	11	3.61
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE2	11	3.61
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE3	11	3.61
(1,848)	1:B:90:ASN:HD21	1:A:66:LYS:HE2	11	3.61
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE2	11	3.61
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE3	11	3.61
(1,848)	1:B:90:ASN:HD22	1:A:66:LYS:HE2	11	3.61
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE2	11	3.61
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE3	11	3.61
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	5	3.61
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	5	3.61
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	5	3.61
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	5	3.61
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	5	3.61
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	5	3.61
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	5	3.61
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	5	3.61
(1,684)	1:A:86:LYS:HD3	1:A:87:HIS:HB3	16	3.61
(1,684)	1:A:86:LYS:HD3	1:B:87:HIS:HB3	16	3.61
(1,684)	1:B:86:LYS:HD3	1:A:87:HIS:HB3	16	3.61
(1,684)	1:B:86:LYS:HD3	1:B:87:HIS:HB3	16	3.61
(1,671)	1:A:92:GLN:HG2	1:A:83:MET:HG3	13	3.61
(1,671)	1:A:92:GLN:HG2	1:B:83:MET:HG3	13	3.61
(1,671)	1:A:92:GLN:HG3	1:A:83:MET:HG3	13	3.61
(1,671)	1:A:92:GLN:HG3	1:B:83:MET:HG3	13	3.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,671)	1:B:92:GLN:HG2	1:A:83:MET:HG3	13	3.61
(1,671)	1:B:92:GLN:HG2	1:B:83:MET:HG3	13	3.61
(1,671)	1:B:92:GLN:HG3	1:A:83:MET:HG3	13	3.61
(1,671)	1:B:92:GLN:HG3	1:B:83:MET:HG3	13	3.61
(1,561)	1:A:92:GLN:HE21	1:A:83:MET:HA	2	3.61
(1,561)	1:A:92:GLN:HE21	1:B:83:MET:HA	2	3.61
(1,561)	1:A:92:GLN:HE22	1:A:83:MET:HA	2	3.61
(1,561)	1:A:92:GLN:HE22	1:B:83:MET:HA	2	3.61
(1,561)	1:B:92:GLN:HE21	1:A:83:MET:HA	2	3.61
(1,561)	1:B:92:GLN:HE21	1:B:83:MET:HA	2	3.61
(1,561)	1:B:92:GLN:HE22	1:A:83:MET:HA	2	3.61
(1,561)	1:B:92:GLN:HE22	1:B:83:MET:HA	2	3.61
(1,409)	1:A:64:ALA:HA	1:A:67:LYS:HB2	9	3.61
(1,409)	1:A:64:ALA:HA	1:B:67:LYS:HB2	9	3.61
(1,409)	1:B:64:ALA:HA	1:A:67:LYS:HB2	9	3.61
(1,409)	1:B:64:ALA:HA	1:B:67:LYS:HB2	9	3.61
(1,226)	1:A:81:LEU:H	1:A:56:GLN:HE21	1	3.61
(1,226)	1:A:81:LEU:H	1:B:56:GLN:HE21	1	3.61
(1,226)	1:B:81:LEU:H	1:A:56:GLN:HE21	1	3.61
(1,226)	1:B:81:LEU:H	1:B:56:GLN:HE21	1	3.61
(1,835)	1:A:87:HIS:HD1	1:A:67:LYS:HD2	10	3.6
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD2	10	3.6
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD3	10	3.6
(1,835)	1:A:87:HIS:HD2	1:A:67:LYS:HD2	10	3.6
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD2	10	3.6
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD3	10	3.6
(1,835)	1:B:87:HIS:HD1	1:A:67:LYS:HD2	10	3.6
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD2	10	3.6
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD3	10	3.6
(1,835)	1:B:87:HIS:HD2	1:A:67:LYS:HD2	10	3.6
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD2	10	3.6
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD3	10	3.6
(1,739)	1:A:50:ILE:HG21	1:A:76:GLU:HA	8	3.6
(1,739)	1:A:50:ILE:HG21	1:B:76:GLU:HA	8	3.6
(1,739)	1:B:50:ILE:HG21	1:A:76:GLU:HA	8	3.6
(1,739)	1:B:50:ILE:HG21	1:B:76:GLU:HA	8	3.6
(1,739)	1:B:50:ILE:HG22	1:A:76:GLU:HA	8	3.6
(1,739)	1:B:50:ILE:HG22	1:B:76:GLU:HA	8	3.6
(1,739)	1:B:50:ILE:HG23	1:A:76:GLU:HA	8	3.6
(1,739)	1:B:50:ILE:HG23	1:B:76:GLU:HA	8	3.6
(1,561)	1:A:92:GLN:HE21	1:A:83:MET:HA	14	3.6
(1,561)	1:A:92:GLN:HE21	1:B:83:MET:HA	14	3.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:A:92:GLN:HE22	1:A:83:MET:HA	14	3.6
(1,561)	1:A:92:GLN:HE22	1:B:83:MET:HA	14	3.6
(1,561)	1:B:92:GLN:HE21	1:A:83:MET:HA	14	3.6
(1,561)	1:B:92:GLN:HE21	1:B:83:MET:HA	14	3.6
(1,561)	1:B:92:GLN:HE22	1:A:83:MET:HA	14	3.6
(1,561)	1:B:92:GLN:HE22	1:B:83:MET:HA	14	3.6
(1,409)	1:A:64:ALA:HA	1:A:67:LYS:HB2	13	3.6
(1,409)	1:A:64:ALA:HA	1:B:67:LYS:HB2	13	3.6
(1,409)	1:B:64:ALA:HA	1:A:67:LYS:HB2	13	3.6
(1,409)	1:B:64:ALA:HA	1:B:67:LYS:HB2	13	3.6
(1,835)	1:A:87:HIS:HD1	1:A:67:LYS:HD2	2	3.59
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD2	2	3.59
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD3	2	3.59
(1,835)	1:A:87:HIS:HD2	1:A:67:LYS:HD2	2	3.59
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD2	2	3.59
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD3	2	3.59
(1,835)	1:B:87:HIS:HD1	1:A:67:LYS:HD2	2	3.59
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD2	2	3.59
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD3	2	3.59
(1,835)	1:B:87:HIS:HD2	1:A:67:LYS:HD2	2	3.59
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD2	2	3.59
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD3	2	3.59
(1,813)	1:A:85:VAL:H	1:A:60:LEU:HD11	12	3.59
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD11	12	3.59
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD12	12	3.59
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD13	12	3.59
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD21	12	3.59
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD22	12	3.59
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD23	12	3.59
(1,813)	1:B:85:VAL:H	1:A:60:LEU:HD11	12	3.59
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD11	12	3.59
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD12	12	3.59
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD13	12	3.59
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD21	12	3.59
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD22	12	3.59
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD23	12	3.59
(1,784)	1:A:64:ALA:HB1	1:A:67:LYS:HB2	20	3.59
(1,784)	1:A:64:ALA:HB1	1:B:67:LYS:HB2	20	3.59
(1,784)	1:A:64:ALA:HB2	1:A:67:LYS:HB2	20	3.59
(1,784)	1:A:64:ALA:HB2	1:B:67:LYS:HB2	20	3.59
(1,784)	1:A:64:ALA:HB3	1:A:67:LYS:HB2	20	3.59
(1,784)	1:A:64:ALA:HB3	1:B:67:LYS:HB2	20	3.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:B:64:ALA:HB1	1:A:67:LYS:HB2	20	3.59
(1,784)	1:B:64:ALA:HB1	1:B:67:LYS:HB2	20	3.59
(1,784)	1:B:64:ALA:HB2	1:A:67:LYS:HB2	20	3.59
(1,784)	1:B:64:ALA:HB2	1:B:67:LYS:HB2	20	3.59
(1,784)	1:B:64:ALA:HB3	1:A:67:LYS:HB2	20	3.59
(1,784)	1:B:64:ALA:HB3	1:B:67:LYS:HB2	20	3.59
(1,739)	1:A:50:ILE:HG21	1:A:76:GLU:HA	5	3.59
(1,739)	1:A:50:ILE:HG21	1:B:76:GLU:HA	5	3.59
(1,739)	1:B:50:ILE:HG21	1:A:76:GLU:HA	5	3.59
(1,739)	1:B:50:ILE:HG21	1:B:76:GLU:HA	5	3.59
(1,739)	1:B:50:ILE:HG22	1:A:76:GLU:HA	5	3.59
(1,739)	1:B:50:ILE:HG22	1:B:76:GLU:HA	5	3.59
(1,739)	1:B:50:ILE:HG23	1:A:76:GLU:HA	5	3.59
(1,739)	1:B:50:ILE:HG23	1:B:76:GLU:HA	5	3.59
(1,679)	1:A:92:GLN:HG2	1:A:83:MET:HG2	10	3.59
(1,679)	1:A:92:GLN:HG2	1:B:83:MET:HG2	10	3.59
(1,679)	1:A:92:GLN:HG3	1:A:83:MET:HG2	10	3.59
(1,679)	1:A:92:GLN:HG3	1:B:83:MET:HG2	10	3.59
(1,679)	1:B:92:GLN:HG2	1:A:83:MET:HG2	10	3.59
(1,679)	1:B:92:GLN:HG2	1:B:83:MET:HG2	10	3.59
(1,679)	1:B:92:GLN:HG3	1:A:83:MET:HG2	10	3.59
(1,679)	1:B:92:GLN:HG3	1:B:83:MET:HG2	10	3.59
(1,602)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	5	3.59
(1,602)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	5	3.59
(1,602)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	5	3.59
(1,602)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	5	3.59
(1,357)	1:A:67:LYS:HA	1:A:70:SER:H	5	3.59
(1,357)	1:A:67:LYS:HA	1:B:70:SER:H	5	3.59
(1,357)	1:B:67:LYS:HA	1:A:70:SER:H	5	3.59
(1,357)	1:B:67:LYS:HA	1:B:70:SER:H	5	3.59
(1,679)	1:A:92:GLN:HG2	1:A:83:MET:HG2	7	3.58
(1,679)	1:A:92:GLN:HG2	1:B:83:MET:HG2	7	3.58
(1,679)	1:A:92:GLN:HG3	1:A:83:MET:HG2	7	3.58
(1,679)	1:A:92:GLN:HG3	1:B:83:MET:HG2	7	3.58
(1,679)	1:B:92:GLN:HG2	1:A:83:MET:HG2	7	3.58
(1,679)	1:B:92:GLN:HG2	1:B:83:MET:HG2	7	3.58
(1,679)	1:B:92:GLN:HG3	1:A:83:MET:HG2	7	3.58
(1,679)	1:B:92:GLN:HG3	1:B:83:MET:HG2	7	3.58
(1,603)	1:A:64:ALA:HB2	1:A:67:LYS:HG2	15	3.58
(1,603)	1:A:64:ALA:HB2	1:B:67:LYS:HG2	15	3.58
(1,603)	1:B:64:ALA:HB2	1:A:67:LYS:HG2	15	3.58
(1,603)	1:B:64:ALA:HB2	1:B:67:LYS:HG2	15	3.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:A:86:LYS:HD3	1:A:84:THR:HB	17	3.58
(1,415)	1:A:86:LYS:HD3	1:B:84:THR:HB	17	3.58
(1,415)	1:B:86:LYS:HD3	1:A:84:THR:HB	17	3.58
(1,415)	1:B:86:LYS:HD3	1:B:84:THR:HB	17	3.58
(1,409)	1:A:64:ALA:HA	1:A:67:LYS:HB2	3	3.58
(1,409)	1:A:64:ALA:HA	1:B:67:LYS:HB2	3	3.58
(1,409)	1:B:64:ALA:HA	1:A:67:LYS:HB2	3	3.58
(1,409)	1:B:64:ALA:HA	1:B:67:LYS:HB2	3	3.58
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD11	5	3.57
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD12	5	3.57
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD13	5	3.57
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD21	5	3.57
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD22	5	3.57
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD23	5	3.57
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD11	5	3.57
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD12	5	3.57
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD13	5	3.57
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD21	5	3.57
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD22	5	3.57
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD23	5	3.57
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD11	5	3.57
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD12	5	3.57
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD13	5	3.57
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD21	5	3.57
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD22	5	3.57
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD23	5	3.57
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD11	5	3.57
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD12	5	3.57
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD13	5	3.57
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD21	5	3.57
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD22	5	3.57
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD23	5	3.57
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD11	5	3.57
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD12	5	3.57
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD13	5	3.57
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD21	5	3.57
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD22	5	3.57
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD23	5	3.57
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD11	5	3.57
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD12	5	3.57
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD13	5	3.57
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD21	5	3.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD22	5	3.57
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD23	5	3.57
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD11	5	3.57
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD12	5	3.57
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD13	5	3.57
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD21	5	3.57
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD22	5	3.57
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD23	5	3.57
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD11	5	3.57
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD12	5	3.57
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD13	5	3.57
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD21	5	3.57
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD22	5	3.57
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD23	5	3.57
(1,784)	1:A:64:ALA:HB1	1:A:67:LYS:HB2	11	3.57
(1,784)	1:A:64:ALA:HB1	1:B:67:LYS:HB2	11	3.57
(1,784)	1:A:64:ALA:HB2	1:A:67:LYS:HB2	11	3.57
(1,784)	1:A:64:ALA:HB2	1:B:67:LYS:HB2	11	3.57
(1,784)	1:A:64:ALA:HB3	1:A:67:LYS:HB2	11	3.57
(1,784)	1:A:64:ALA:HB3	1:B:67:LYS:HB2	11	3.57
(1,784)	1:B:64:ALA:HB1	1:A:67:LYS:HB2	11	3.57
(1,784)	1:B:64:ALA:HB1	1:B:67:LYS:HB2	11	3.57
(1,784)	1:B:64:ALA:HB2	1:A:67:LYS:HB2	11	3.57
(1,784)	1:B:64:ALA:HB2	1:B:67:LYS:HB2	11	3.57
(1,784)	1:B:64:ALA:HB3	1:A:67:LYS:HB2	11	3.57
(1,784)	1:B:64:ALA:HB3	1:B:67:LYS:HB2	11	3.57
(1,432)	1:A:90:ASN:HA	1:A:65:LEU:HG	19	3.57
(1,432)	1:A:90:ASN:HA	1:B:65:LEU:HG	19	3.57
(1,432)	1:B:90:ASN:HA	1:A:65:LEU:HG	19	3.57
(1,432)	1:B:90:ASN:HA	1:B:65:LEU:HG	19	3.57
(1,357)	1:A:67:LYS:HA	1:A:70:SER:H	13	3.57
(1,357)	1:A:67:LYS:HA	1:B:70:SER:H	13	3.57
(1,357)	1:B:67:LYS:HA	1:A:70:SER:H	13	3.57
(1,357)	1:B:67:LYS:HA	1:B:70:SER:H	13	3.57
(1,357)	1:A:67:LYS:HA	1:A:70:SER:H	15	3.57
(1,357)	1:A:67:LYS:HA	1:B:70:SER:H	15	3.57
(1,357)	1:B:67:LYS:HA	1:A:70:SER:H	15	3.57
(1,357)	1:B:67:LYS:HA	1:B:70:SER:H	15	3.57
(1,308)	1:A:90:ASN:H	1:A:65:LEU:HG	4	3.57
(1,308)	1:A:90:ASN:H	1:B:65:LEU:HG	4	3.57
(1,308)	1:B:90:ASN:H	1:A:65:LEU:HG	4	3.57
(1,308)	1:B:90:ASN:H	1:B:65:LEU:HG	4	3.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:A:84:THR:HB	1:A:60:LEU:HD11	9	3.56
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD11	9	3.56
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD12	9	3.56
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD13	9	3.56
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD21	9	3.56
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD22	9	3.56
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD23	9	3.56
(1,811)	1:B:84:THR:HB	1:A:60:LEU:HD11	9	3.56
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD11	9	3.56
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD12	9	3.56
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD13	9	3.56
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD21	9	3.56
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD22	9	3.56
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD23	9	3.56
(1,739)	1:A:50:ILE:HG21	1:A:76:GLU:HA	15	3.56
(1,739)	1:A:50:ILE:HG21	1:B:76:GLU:HA	15	3.56
(1,739)	1:B:50:ILE:HG21	1:A:76:GLU:HA	15	3.56
(1,739)	1:B:50:ILE:HG21	1:B:76:GLU:HA	15	3.56
(1,739)	1:B:50:ILE:HG22	1:A:76:GLU:HA	15	3.56
(1,739)	1:B:50:ILE:HG22	1:B:76:GLU:HA	15	3.56
(1,739)	1:B:50:ILE:HG23	1:A:76:GLU:HA	15	3.56
(1,739)	1:B:50:ILE:HG23	1:B:76:GLU:HA	15	3.56
(1,684)	1:A:86:LYS:HD3	1:A:87:HIS:HB3	12	3.56
(1,684)	1:A:86:LYS:HD3	1:B:87:HIS:HB3	12	3.56
(1,684)	1:B:86:LYS:HD3	1:A:87:HIS:HB3	12	3.56
(1,684)	1:B:86:LYS:HD3	1:B:87:HIS:HB3	12	3.56
(1,602)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	13	3.56
(1,602)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	13	3.56
(1,602)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	13	3.56
(1,602)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	13	3.56
(1,561)	1:A:92:GLN:HE21	1:A:83:MET:HA	1	3.56
(1,561)	1:A:92:GLN:HE21	1:B:83:MET:HA	1	3.56
(1,561)	1:A:92:GLN:HE22	1:A:83:MET:HA	1	3.56
(1,561)	1:A:92:GLN:HE22	1:B:83:MET:HA	1	3.56
(1,561)	1:B:92:GLN:HE21	1:A:83:MET:HA	1	3.56
(1,561)	1:B:92:GLN:HE21	1:B:83:MET:HA	1	3.56
(1,561)	1:B:92:GLN:HE22	1:A:83:MET:HA	1	3.56
(1,561)	1:B:92:GLN:HE22	1:B:83:MET:HA	1	3.56
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	20	3.55
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	20	3.55
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	20	3.55
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	20	3.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	20	3.55
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	20	3.55
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	20	3.55
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	20	3.55
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	20	3.55
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	20	3.55
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	20	3.55
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	20	3.55
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	20	3.55
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	20	3.55
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	20	3.55
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	20	3.55
(1,835)	1:A:87:HIS:HD1	1:A:67:LYS:HD2	16	3.55
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD2	16	3.55
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD3	16	3.55
(1,835)	1:A:87:HIS:HD2	1:A:67:LYS:HD2	16	3.55
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD2	16	3.55
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD3	16	3.55
(1,835)	1:B:87:HIS:HD1	1:A:67:LYS:HD2	16	3.55
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD2	16	3.55
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD3	16	3.55
(1,835)	1:B:87:HIS:HD2	1:A:67:LYS:HD2	16	3.55
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD2	16	3.55
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD3	16	3.55
(1,679)	1:A:92:GLN:HG2	1:A:83:MET:HG2	8	3.55
(1,679)	1:A:92:GLN:HG2	1:B:83:MET:HG2	8	3.55
(1,679)	1:A:92:GLN:HG3	1:A:83:MET:HG2	8	3.55
(1,679)	1:A:92:GLN:HG3	1:B:83:MET:HG2	8	3.55
(1,679)	1:B:92:GLN:HG2	1:A:83:MET:HG2	8	3.55
(1,679)	1:B:92:GLN:HG2	1:B:83:MET:HG2	8	3.55
(1,679)	1:B:92:GLN:HG3	1:A:83:MET:HG2	8	3.55
(1,679)	1:B:92:GLN:HG3	1:B:83:MET:HG2	8	3.55
(1,679)	1:A:92:GLN:HG2	1:A:83:MET:HG2	16	3.55
(1,679)	1:A:92:GLN:HG2	1:B:83:MET:HG2	16	3.55
(1,679)	1:A:92:GLN:HG3	1:A:83:MET:HG2	16	3.55
(1,679)	1:A:92:GLN:HG3	1:B:83:MET:HG2	16	3.55
(1,679)	1:B:92:GLN:HG2	1:A:83:MET:HG2	16	3.55
(1,679)	1:B:92:GLN:HG2	1:B:83:MET:HG2	16	3.55
(1,679)	1:B:92:GLN:HG3	1:A:83:MET:HG2	16	3.55
(1,679)	1:B:92:GLN:HG3	1:B:83:MET:HG2	16	3.55
(1,601)	1:A:64:ALA:HB1	1:A:67:LYS:HG2	2	3.55
(1,601)	1:A:64:ALA:HB1	1:B:67:LYS:HG2	2	3.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,601)	1:B:64:ALA:HB1	1:A:67:LYS:HG2	2	3.55
(1,601)	1:B:64:ALA:HB1	1:B:67:LYS:HG2	2	3.55
(1,357)	1:A:67:LYS:HA	1:A:70:SER:H	10	3.55
(1,357)	1:A:67:LYS:HA	1:B:70:SER:H	10	3.55
(1,357)	1:B:67:LYS:HA	1:A:70:SER:H	10	3.55
(1,357)	1:B:67:LYS:HA	1:B:70:SER:H	10	3.55
(1,357)	1:A:67:LYS:HA	1:A:70:SER:H	12	3.55
(1,357)	1:A:67:LYS:HA	1:B:70:SER:H	12	3.55
(1,357)	1:B:67:LYS:HA	1:A:70:SER:H	12	3.55
(1,357)	1:B:67:LYS:HA	1:B:70:SER:H	12	3.55
(1,357)	1:A:67:LYS:HA	1:A:70:SER:H	18	3.55
(1,357)	1:A:67:LYS:HA	1:B:70:SER:H	18	3.55
(1,357)	1:B:67:LYS:HA	1:A:70:SER:H	18	3.55
(1,357)	1:B:67:LYS:HA	1:B:70:SER:H	18	3.55
(1,939)	1:A:77:LYS:N	1:A:73:SER:O	2	3.54
(1,939)	1:A:77:LYS:N	1:B:73:SER:O	2	3.54
(1,939)	1:B:77:LYS:N	1:A:73:SER:O	2	3.54
(1,939)	1:B:77:LYS:N	1:B:73:SER:O	2	3.54
(1,739)	1:A:50:ILE:HG21	1:A:76:GLU:HA	4	3.54
(1,739)	1:A:50:ILE:HG21	1:B:76:GLU:HA	4	3.54
(1,739)	1:B:50:ILE:HG21	1:A:76:GLU:HA	4	3.54
(1,739)	1:B:50:ILE:HG21	1:B:76:GLU:HA	4	3.54
(1,739)	1:B:50:ILE:HG22	1:A:76:GLU:HA	4	3.54
(1,739)	1:B:50:ILE:HG22	1:B:76:GLU:HA	4	3.54
(1,739)	1:B:50:ILE:HG23	1:A:76:GLU:HA	4	3.54
(1,739)	1:B:50:ILE:HG23	1:B:76:GLU:HA	4	3.54
(1,601)	1:A:64:ALA:HB1	1:A:67:LYS:HG2	6	3.54
(1,601)	1:A:64:ALA:HB1	1:B:67:LYS:HG2	6	3.54
(1,601)	1:B:64:ALA:HB1	1:A:67:LYS:HG2	6	3.54
(1,601)	1:B:64:ALA:HB1	1:B:67:LYS:HG2	6	3.54
(1,585)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	19	3.54
(1,585)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	19	3.54
(1,585)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	19	3.54
(1,585)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	19	3.54
(1,415)	1:A:86:LYS:HD3	1:A:84:THR:HB	13	3.54
(1,415)	1:A:86:LYS:HD3	1:B:84:THR:HB	13	3.54
(1,415)	1:B:86:LYS:HD3	1:A:84:THR:HB	13	3.54
(1,415)	1:B:86:LYS:HD3	1:B:84:THR:HB	13	3.54
(1,811)	1:A:84:THR:HB	1:A:60:LEU:HD11	5	3.53
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD11	5	3.53
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD12	5	3.53
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD13	5	3.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD21	5	3.53
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD22	5	3.53
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD23	5	3.53
(1,811)	1:B:84:THR:HB	1:A:60:LEU:HD11	5	3.53
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD11	5	3.53
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD12	5	3.53
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD13	5	3.53
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD21	5	3.53
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD22	5	3.53
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD23	5	3.53
(1,739)	1:A:50:ILE:HG21	1:A:76:GLU:HA	10	3.53
(1,739)	1:A:50:ILE:HG21	1:B:76:GLU:HA	10	3.53
(1,739)	1:B:50:ILE:HG21	1:A:76:GLU:HA	10	3.53
(1,739)	1:B:50:ILE:HG21	1:B:76:GLU:HA	10	3.53
(1,739)	1:B:50:ILE:HG22	1:A:76:GLU:HA	10	3.53
(1,739)	1:B:50:ILE:HG22	1:B:76:GLU:HA	10	3.53
(1,739)	1:B:50:ILE:HG23	1:A:76:GLU:HA	10	3.53
(1,739)	1:B:50:ILE:HG23	1:B:76:GLU:HA	10	3.53
(1,714)	1:A:86:LYS:HD3	1:A:84:THR:HA	10	3.53
(1,714)	1:A:86:LYS:HD3	1:B:84:THR:HA	10	3.53
(1,714)	1:B:86:LYS:HD3	1:A:84:THR:HA	10	3.53
(1,714)	1:B:86:LYS:HD3	1:B:84:THR:HA	10	3.53
(1,739)	1:A:50:ILE:HG21	1:A:76:GLU:HA	7	3.52
(1,739)	1:A:50:ILE:HG21	1:B:76:GLU:HA	7	3.52
(1,739)	1:B:50:ILE:HG21	1:A:76:GLU:HA	7	3.52
(1,739)	1:B:50:ILE:HG21	1:B:76:GLU:HA	7	3.52
(1,739)	1:B:50:ILE:HG22	1:A:76:GLU:HA	7	3.52
(1,739)	1:B:50:ILE:HG22	1:B:76:GLU:HA	7	3.52
(1,739)	1:B:50:ILE:HG23	1:A:76:GLU:HA	7	3.52
(1,739)	1:B:50:ILE:HG23	1:B:76:GLU:HA	7	3.52
(1,510)	1:A:79:ASP:H	1:A:54:LEU:HG	12	3.52
(1,510)	1:A:79:ASP:H	1:B:54:LEU:HG	12	3.52
(1,510)	1:B:79:ASP:H	1:A:54:LEU:HG	12	3.52
(1,510)	1:B:79:ASP:H	1:B:54:LEU:HG	12	3.52
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB2	8	3.52
(1,445)	1:A:65:LEU:HA	1:A:68:ASP:HB3	8	3.52
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB2	8	3.52
(1,445)	1:A:65:LEU:HA	1:B:68:ASP:HB3	8	3.52
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB2	8	3.52
(1,445)	1:B:65:LEU:HA	1:A:68:ASP:HB3	8	3.52
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB2	8	3.52
(1,445)	1:B:65:LEU:HA	1:B:68:ASP:HB3	8	3.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:A:64:ALA:HA	1:A:67:LYS:HB2	20	3.52
(1,409)	1:A:64:ALA:HA	1:B:67:LYS:HB2	20	3.52
(1,409)	1:B:64:ALA:HA	1:A:67:LYS:HB2	20	3.52
(1,409)	1:B:64:ALA:HA	1:B:67:LYS:HB2	20	3.52
(1,357)	1:A:67:LYS:HA	1:A:70:SER:H	8	3.52
(1,357)	1:A:67:LYS:HA	1:B:70:SER:H	8	3.52
(1,357)	1:B:67:LYS:HA	1:A:70:SER:H	8	3.52
(1,357)	1:B:67:LYS:HA	1:B:70:SER:H	8	3.52
(1,784)	1:A:64:ALA:HB1	1:A:67:LYS:HB2	3	3.51
(1,784)	1:A:64:ALA:HB1	1:B:67:LYS:HB2	3	3.51
(1,784)	1:A:64:ALA:HB2	1:A:67:LYS:HB2	3	3.51
(1,784)	1:A:64:ALA:HB2	1:B:67:LYS:HB2	3	3.51
(1,784)	1:A:64:ALA:HB3	1:A:67:LYS:HB2	3	3.51
(1,784)	1:A:64:ALA:HB3	1:B:67:LYS:HB2	3	3.51
(1,784)	1:B:64:ALA:HB1	1:A:67:LYS:HB2	3	3.51
(1,784)	1:B:64:ALA:HB1	1:B:67:LYS:HB2	3	3.51
(1,784)	1:B:64:ALA:HB2	1:A:67:LYS:HB2	3	3.51
(1,784)	1:B:64:ALA:HB2	1:B:67:LYS:HB2	3	3.51
(1,784)	1:B:64:ALA:HB3	1:A:67:LYS:HB2	3	3.51
(1,784)	1:B:64:ALA:HB3	1:B:67:LYS:HB2	3	3.51
(1,671)	1:A:92:GLN:HG2	1:A:83:MET:HG3	9	3.51
(1,671)	1:A:92:GLN:HG2	1:B:83:MET:HG3	9	3.51
(1,671)	1:A:92:GLN:HG3	1:A:83:MET:HG3	9	3.51
(1,671)	1:A:92:GLN:HG3	1:B:83:MET:HG3	9	3.51
(1,671)	1:B:92:GLN:HG2	1:A:83:MET:HG3	9	3.51
(1,671)	1:B:92:GLN:HG2	1:B:83:MET:HG3	9	3.51
(1,671)	1:B:92:GLN:HG3	1:A:83:MET:HG3	9	3.51
(1,671)	1:B:92:GLN:HG3	1:B:83:MET:HG3	9	3.51
(1,601)	1:A:64:ALA:HB1	1:A:67:LYS:HG2	13	3.51
(1,601)	1:A:64:ALA:HB1	1:B:67:LYS:HG2	13	3.51
(1,601)	1:B:64:ALA:HB1	1:A:67:LYS:HG2	13	3.51
(1,601)	1:B:64:ALA:HB1	1:B:67:LYS:HG2	13	3.51
(1,585)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	3	3.51
(1,585)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	3	3.51
(1,585)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	3	3.51
(1,585)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	3	3.51
(1,585)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	12	3.51
(1,585)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	12	3.51
(1,585)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	12	3.51
(1,585)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	12	3.51
(1,409)	1:A:64:ALA:HA	1:A:67:LYS:HB2	7	3.51
(1,409)	1:A:64:ALA:HA	1:B:67:LYS:HB2	7	3.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:B:64:ALA:HA	1:A:67:LYS:HB2	7	3.51
(1,409)	1:B:64:ALA:HA	1:B:67:LYS:HB2	7	3.51
(1,848)	1:A:90:ASN:HD21	1:A:66:LYS:HE2	8	3.5
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE2	8	3.5
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE3	8	3.5
(1,848)	1:A:90:ASN:HD22	1:A:66:LYS:HE2	8	3.5
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE2	8	3.5
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE3	8	3.5
(1,848)	1:B:90:ASN:HD21	1:A:66:LYS:HE2	8	3.5
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE2	8	3.5
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE3	8	3.5
(1,848)	1:B:90:ASN:HD22	1:A:66:LYS:HE2	8	3.5
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE2	8	3.5
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE3	8	3.5
(1,809)	1:A:84:THR:H	1:A:60:LEU:HD11	12	3.5
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD11	12	3.5
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD12	12	3.5
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD13	12	3.5
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD21	12	3.5
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD22	12	3.5
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD23	12	3.5
(1,809)	1:B:84:THR:H	1:A:60:LEU:HD11	12	3.5
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD11	12	3.5
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD12	12	3.5
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD13	12	3.5
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD21	12	3.5
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD22	12	3.5
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD23	12	3.5
(1,809)	1:A:84:THR:H	1:A:60:LEU:HD11	19	3.5
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD11	19	3.5
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD12	19	3.5
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD13	19	3.5
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD21	19	3.5
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD22	19	3.5
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD23	19	3.5
(1,809)	1:B:84:THR:H	1:A:60:LEU:HD11	19	3.5
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD11	19	3.5
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD12	19	3.5
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD13	19	3.5
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD21	19	3.5
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD22	19	3.5
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD23	19	3.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:A:64:ALA:HB1	1:A:67:LYS:HB2	13	3.5
(1,784)	1:A:64:ALA:HB1	1:B:67:LYS:HB2	13	3.5
(1,784)	1:A:64:ALA:HB2	1:A:67:LYS:HB2	13	3.5
(1,784)	1:A:64:ALA:HB2	1:B:67:LYS:HB2	13	3.5
(1,784)	1:A:64:ALA:HB3	1:A:67:LYS:HB2	13	3.5
(1,784)	1:A:64:ALA:HB3	1:B:67:LYS:HB2	13	3.5
(1,784)	1:B:64:ALA:HB1	1:A:67:LYS:HB2	13	3.5
(1,784)	1:B:64:ALA:HB1	1:B:67:LYS:HB2	13	3.5
(1,784)	1:B:64:ALA:HB2	1:A:67:LYS:HB2	13	3.5
(1,784)	1:B:64:ALA:HB2	1:B:67:LYS:HB2	13	3.5
(1,784)	1:B:64:ALA:HB3	1:A:67:LYS:HB2	13	3.5
(1,784)	1:B:64:ALA:HB3	1:B:67:LYS:HB2	13	3.5
(1,679)	1:A:92:GLN:HG2	1:A:83:MET:HG2	18	3.5
(1,679)	1:A:92:GLN:HG2	1:B:83:MET:HG2	18	3.5
(1,679)	1:A:92:GLN:HG3	1:A:83:MET:HG2	18	3.5
(1,679)	1:A:92:GLN:HG3	1:B:83:MET:HG2	18	3.5
(1,679)	1:B:92:GLN:HG2	1:A:83:MET:HG2	18	3.5
(1,679)	1:B:92:GLN:HG2	1:B:83:MET:HG2	18	3.5
(1,679)	1:B:92:GLN:HG3	1:A:83:MET:HG2	18	3.5
(1,679)	1:B:92:GLN:HG3	1:B:83:MET:HG2	18	3.5
(1,671)	1:A:92:GLN:HG2	1:A:83:MET:HG3	8	3.5
(1,671)	1:A:92:GLN:HG2	1:B:83:MET:HG3	8	3.5
(1,671)	1:A:92:GLN:HG3	1:A:83:MET:HG3	8	3.5
(1,671)	1:A:92:GLN:HG3	1:B:83:MET:HG3	8	3.5
(1,671)	1:B:92:GLN:HG2	1:A:83:MET:HG3	8	3.5
(1,671)	1:B:92:GLN:HG2	1:B:83:MET:HG3	8	3.5
(1,671)	1:B:92:GLN:HG3	1:A:83:MET:HG3	8	3.5
(1,671)	1:B:92:GLN:HG3	1:B:83:MET:HG3	8	3.5
(1,561)	1:A:92:GLN:HE21	1:A:83:MET:HA	20	3.5
(1,561)	1:A:92:GLN:HE21	1:B:83:MET:HA	20	3.5
(1,561)	1:A:92:GLN:HE22	1:A:83:MET:HA	20	3.5
(1,561)	1:A:92:GLN:HE22	1:B:83:MET:HA	20	3.5
(1,561)	1:B:92:GLN:HE21	1:A:83:MET:HA	20	3.5
(1,561)	1:B:92:GLN:HE21	1:B:83:MET:HA	20	3.5
(1,561)	1:B:92:GLN:HE22	1:A:83:MET:HA	20	3.5
(1,561)	1:B:92:GLN:HE22	1:B:83:MET:HA	20	3.5
(1,357)	1:A:67:LYS:HA	1:A:70:SER:H	9	3.5
(1,357)	1:A:67:LYS:HA	1:B:70:SER:H	9	3.5
(1,357)	1:B:67:LYS:HA	1:A:70:SER:H	9	3.5
(1,357)	1:B:67:LYS:HA	1:B:70:SER:H	9	3.5
(1,357)	1:A:67:LYS:HA	1:A:70:SER:H	19	3.5
(1,357)	1:A:67:LYS:HA	1:B:70:SER:H	19	3.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:B:67:LYS:HA	1:A:70:SER:H	19	3.5
(1,357)	1:B:67:LYS:HA	1:B:70:SER:H	19	3.5
(1,246)	1:A:81:LEU:H	1:A:56:GLN:HE22	20	3.5
(1,246)	1:A:81:LEU:H	1:B:56:GLN:HE22	20	3.5
(1,246)	1:B:81:LEU:H	1:A:56:GLN:HE22	20	3.5
(1,246)	1:B:81:LEU:H	1:B:56:GLN:HE22	20	3.5
(1,848)	1:A:90:ASN:HD21	1:A:66:LYS:HE2	4	3.49
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE2	4	3.49
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE3	4	3.49
(1,848)	1:A:90:ASN:HD22	1:A:66:LYS:HE2	4	3.49
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE2	4	3.49
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE3	4	3.49
(1,848)	1:B:90:ASN:HD21	1:A:66:LYS:HE2	4	3.49
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE2	4	3.49
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE3	4	3.49
(1,848)	1:B:90:ASN:HD22	1:A:66:LYS:HE2	4	3.49
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE2	4	3.49
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE3	4	3.49
(1,813)	1:A:85:VAL:H	1:A:60:LEU:HD11	1	3.49
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD11	1	3.49
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD12	1	3.49
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD13	1	3.49
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD21	1	3.49
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD22	1	3.49
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD23	1	3.49
(1,813)	1:B:85:VAL:H	1:A:60:LEU:HD11	1	3.49
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD11	1	3.49
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD12	1	3.49
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD13	1	3.49
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD21	1	3.49
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD22	1	3.49
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD23	1	3.49
(1,784)	1:A:64:ALA:HB1	1:A:67:LYS:HB2	16	3.49
(1,784)	1:A:64:ALA:HB1	1:B:67:LYS:HB2	16	3.49
(1,784)	1:A:64:ALA:HB2	1:A:67:LYS:HB2	16	3.49
(1,784)	1:A:64:ALA:HB2	1:B:67:LYS:HB2	16	3.49
(1,784)	1:A:64:ALA:HB3	1:A:67:LYS:HB2	16	3.49
(1,784)	1:A:64:ALA:HB3	1:B:67:LYS:HB2	16	3.49
(1,784)	1:B:64:ALA:HB1	1:A:67:LYS:HB2	16	3.49
(1,784)	1:B:64:ALA:HB1	1:B:67:LYS:HB2	16	3.49
(1,784)	1:B:64:ALA:HB2	1:A:67:LYS:HB2	16	3.49
(1,784)	1:B:64:ALA:HB2	1:B:67:LYS:HB2	16	3.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:B:64:ALA:HB3	1:A:67:LYS:HB2	16	3.49
(1,784)	1:B:64:ALA:HB3	1:B:67:LYS:HB2	16	3.49
(1,784)	1:A:64:ALA:HB1	1:A:67:LYS:HB2	18	3.49
(1,784)	1:A:64:ALA:HB1	1:B:67:LYS:HB2	18	3.49
(1,784)	1:A:64:ALA:HB2	1:A:67:LYS:HB2	18	3.49
(1,784)	1:A:64:ALA:HB2	1:B:67:LYS:HB2	18	3.49
(1,784)	1:A:64:ALA:HB3	1:A:67:LYS:HB2	18	3.49
(1,784)	1:A:64:ALA:HB3	1:B:67:LYS:HB2	18	3.49
(1,784)	1:B:64:ALA:HB1	1:A:67:LYS:HB2	18	3.49
(1,784)	1:B:64:ALA:HB1	1:B:67:LYS:HB2	18	3.49
(1,784)	1:B:64:ALA:HB2	1:A:67:LYS:HB2	18	3.49
(1,784)	1:B:64:ALA:HB2	1:B:67:LYS:HB2	18	3.49
(1,784)	1:B:64:ALA:HB3	1:A:67:LYS:HB2	18	3.49
(1,784)	1:B:64:ALA:HB3	1:B:67:LYS:HB2	18	3.49
(1,739)	1:A:50:ILE:HG21	1:A:76:GLU:HA	20	3.49
(1,739)	1:A:50:ILE:HG21	1:B:76:GLU:HA	20	3.49
(1,739)	1:B:50:ILE:HG21	1:A:76:GLU:HA	20	3.49
(1,739)	1:B:50:ILE:HG21	1:B:76:GLU:HA	20	3.49
(1,739)	1:B:50:ILE:HG22	1:A:76:GLU:HA	20	3.49
(1,739)	1:B:50:ILE:HG22	1:B:76:GLU:HA	20	3.49
(1,739)	1:B:50:ILE:HG23	1:A:76:GLU:HA	20	3.49
(1,739)	1:B:50:ILE:HG23	1:B:76:GLU:HA	20	3.49
(1,635)	1:A:89:ARG:HB2	1:A:65:LEU:HG	10	3.49
(1,635)	1:A:89:ARG:HB2	1:B:65:LEU:HG	10	3.49
(1,635)	1:A:89:ARG:HB3	1:A:65:LEU:HG	10	3.49
(1,635)	1:A:89:ARG:HB3	1:B:65:LEU:HG	10	3.49
(1,635)	1:B:89:ARG:HB2	1:A:65:LEU:HG	10	3.49
(1,635)	1:B:89:ARG:HB2	1:B:65:LEU:HG	10	3.49
(1,635)	1:B:89:ARG:HB3	1:A:65:LEU:HG	10	3.49
(1,635)	1:B:89:ARG:HB3	1:B:65:LEU:HG	10	3.49
(1,784)	1:A:64:ALA:HB1	1:A:67:LYS:HB2	4	3.48
(1,784)	1:A:64:ALA:HB1	1:B:67:LYS:HB2	4	3.48
(1,784)	1:A:64:ALA:HB2	1:A:67:LYS:HB2	4	3.48
(1,784)	1:A:64:ALA:HB2	1:B:67:LYS:HB2	4	3.48
(1,784)	1:A:64:ALA:HB3	1:A:67:LYS:HB2	4	3.48
(1,784)	1:A:64:ALA:HB3	1:B:67:LYS:HB2	4	3.48
(1,784)	1:B:64:ALA:HB1	1:A:67:LYS:HB2	4	3.48
(1,784)	1:B:64:ALA:HB1	1:B:67:LYS:HB2	4	3.48
(1,784)	1:B:64:ALA:HB2	1:A:67:LYS:HB2	4	3.48
(1,784)	1:B:64:ALA:HB2	1:B:67:LYS:HB2	4	3.48
(1,784)	1:B:64:ALA:HB3	1:A:67:LYS:HB2	4	3.48
(1,784)	1:B:64:ALA:HB3	1:B:67:LYS:HB2	4	3.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,739)	1:A:50:ILE:HG21	1:A:76:GLU:HA	19	3.48
(1,739)	1:A:50:ILE:HG21	1:B:76:GLU:HA	19	3.48
(1,739)	1:B:50:ILE:HG21	1:A:76:GLU:HA	19	3.48
(1,739)	1:B:50:ILE:HG21	1:B:76:GLU:HA	19	3.48
(1,739)	1:B:50:ILE:HG22	1:A:76:GLU:HA	19	3.48
(1,739)	1:B:50:ILE:HG22	1:B:76:GLU:HA	19	3.48
(1,739)	1:B:50:ILE:HG23	1:A:76:GLU:HA	19	3.48
(1,739)	1:B:50:ILE:HG23	1:B:76:GLU:HA	19	3.48
(1,357)	1:A:67:LYS:HA	1:A:70:SER:H	1	3.48
(1,357)	1:A:67:LYS:HA	1:B:70:SER:H	1	3.48
(1,357)	1:B:67:LYS:HA	1:A:70:SER:H	1	3.48
(1,357)	1:B:67:LYS:HA	1:B:70:SER:H	1	3.48
(1,357)	1:A:67:LYS:HA	1:A:70:SER:H	3	3.48
(1,357)	1:A:67:LYS:HA	1:B:70:SER:H	3	3.48
(1,357)	1:B:67:LYS:HA	1:A:70:SER:H	3	3.48
(1,357)	1:B:67:LYS:HA	1:B:70:SER:H	3	3.48
(1,308)	1:A:90:ASN:H	1:A:65:LEU:HG	3	3.48
(1,308)	1:A:90:ASN:H	1:B:65:LEU:HG	3	3.48
(1,308)	1:B:90:ASN:H	1:A:65:LEU:HG	3	3.48
(1,308)	1:B:90:ASN:H	1:B:65:LEU:HG	3	3.48
(1,246)	1:A:81:LEU:H	1:A:56:GLN:HE22	4	3.48
(1,246)	1:A:81:LEU:H	1:B:56:GLN:HE22	4	3.48
(1,246)	1:B:81:LEU:H	1:A:56:GLN:HE22	4	3.48
(1,246)	1:B:81:LEU:H	1:B:56:GLN:HE22	4	3.48
(1,813)	1:A:85:VAL:H	1:A:60:LEU:HD11	7	3.47
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD11	7	3.47
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD12	7	3.47
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD13	7	3.47
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD21	7	3.47
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD22	7	3.47
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD23	7	3.47
(1,813)	1:B:85:VAL:H	1:A:60:LEU:HD11	7	3.47
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD11	7	3.47
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD12	7	3.47
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD13	7	3.47
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD21	7	3.47
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD22	7	3.47
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD23	7	3.47
(1,739)	1:A:50:ILE:HG21	1:A:76:GLU:HA	6	3.47
(1,739)	1:A:50:ILE:HG21	1:B:76:GLU:HA	6	3.47
(1,739)	1:B:50:ILE:HG21	1:A:76:GLU:HA	6	3.47
(1,739)	1:B:50:ILE:HG21	1:B:76:GLU:HA	6	3.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,739)	1:B:50:ILE:HG22	1:A:76:GLU:HA	6	3.47
(1,739)	1:B:50:ILE:HG22	1:B:76:GLU:HA	6	3.47
(1,739)	1:B:50:ILE:HG23	1:A:76:GLU:HA	6	3.47
(1,739)	1:B:50:ILE:HG23	1:B:76:GLU:HA	6	3.47
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	12	3.47
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	12	3.47
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	12	3.47
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	12	3.47
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	12	3.47
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	12	3.47
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	12	3.47
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	12	3.47
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	20	3.47
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	20	3.47
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	20	3.47
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	20	3.47
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	20	3.47
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	20	3.47
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	20	3.47
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	20	3.47
(1,671)	1:A:92:GLN:HG2	1:A:83:MET:HG3	16	3.47
(1,671)	1:A:92:GLN:HG2	1:B:83:MET:HG3	16	3.47
(1,671)	1:A:92:GLN:HG3	1:A:83:MET:HG3	16	3.47
(1,671)	1:A:92:GLN:HG3	1:B:83:MET:HG3	16	3.47
(1,671)	1:B:92:GLN:HG2	1:A:83:MET:HG3	16	3.47
(1,671)	1:B:92:GLN:HG2	1:B:83:MET:HG3	16	3.47
(1,671)	1:B:92:GLN:HG3	1:A:83:MET:HG3	16	3.47
(1,671)	1:B:92:GLN:HG3	1:B:83:MET:HG3	16	3.47
(1,601)	1:A:64:ALA:HB1	1:A:67:LYS:HG2	7	3.47
(1,601)	1:A:64:ALA:HB1	1:B:67:LYS:HG2	7	3.47
(1,601)	1:B:64:ALA:HB1	1:A:67:LYS:HG2	7	3.47
(1,601)	1:B:64:ALA:HB1	1:B:67:LYS:HG2	7	3.47
(1,561)	1:A:92:GLN:HE21	1:A:83:MET:HA	11	3.47
(1,561)	1:A:92:GLN:HE21	1:B:83:MET:HA	11	3.47
(1,561)	1:A:92:GLN:HE22	1:A:83:MET:HA	11	3.47
(1,561)	1:A:92:GLN:HE22	1:B:83:MET:HA	11	3.47
(1,561)	1:B:92:GLN:HE21	1:A:83:MET:HA	11	3.47
(1,561)	1:B:92:GLN:HE21	1:B:83:MET:HA	11	3.47
(1,561)	1:B:92:GLN:HE22	1:A:83:MET:HA	11	3.47
(1,561)	1:B:92:GLN:HE22	1:B:83:MET:HA	11	3.47
(1,357)	1:A:67:LYS:HA	1:A:70:SER:H	4	3.47
(1,357)	1:A:67:LYS:HA	1:B:70:SER:H	4	3.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:B:67:LYS:HA	1:A:70:SER:H	4	3.47
(1,357)	1:B:67:LYS:HA	1:B:70:SER:H	4	3.47
(1,357)	1:A:67:LYS:HA	1:A:70:SER:H	7	3.47
(1,357)	1:A:67:LYS:HA	1:B:70:SER:H	7	3.47
(1,357)	1:B:67:LYS:HA	1:A:70:SER:H	7	3.47
(1,357)	1:B:67:LYS:HA	1:B:70:SER:H	7	3.47
(1,357)	1:A:67:LYS:HA	1:A:70:SER:H	11	3.47
(1,357)	1:A:67:LYS:HA	1:B:70:SER:H	11	3.47
(1,357)	1:B:67:LYS:HA	1:A:70:SER:H	11	3.47
(1,357)	1:B:67:LYS:HA	1:B:70:SER:H	11	3.47
(1,739)	1:A:50:ILE:HG21	1:A:76:GLU:HA	3	3.46
(1,739)	1:A:50:ILE:HG21	1:B:76:GLU:HA	3	3.46
(1,739)	1:B:50:ILE:HG21	1:A:76:GLU:HA	3	3.46
(1,739)	1:B:50:ILE:HG21	1:B:76:GLU:HA	3	3.46
(1,739)	1:B:50:ILE:HG22	1:A:76:GLU:HA	3	3.46
(1,739)	1:B:50:ILE:HG22	1:B:76:GLU:HA	3	3.46
(1,739)	1:B:50:ILE:HG23	1:A:76:GLU:HA	3	3.46
(1,739)	1:B:50:ILE:HG23	1:B:76:GLU:HA	3	3.46
(1,739)	1:A:50:ILE:HG21	1:A:76:GLU:HA	14	3.46
(1,739)	1:A:50:ILE:HG21	1:B:76:GLU:HA	14	3.46
(1,739)	1:B:50:ILE:HG21	1:A:76:GLU:HA	14	3.46
(1,739)	1:B:50:ILE:HG21	1:B:76:GLU:HA	14	3.46
(1,739)	1:B:50:ILE:HG22	1:A:76:GLU:HA	14	3.46
(1,739)	1:B:50:ILE:HG22	1:B:76:GLU:HA	14	3.46
(1,739)	1:B:50:ILE:HG23	1:A:76:GLU:HA	14	3.46
(1,739)	1:B:50:ILE:HG23	1:B:76:GLU:HA	14	3.46
(1,409)	1:A:64:ALA:HA	1:A:67:LYS:HB2	4	3.46
(1,409)	1:A:64:ALA:HA	1:B:67:LYS:HB2	4	3.46
(1,409)	1:B:64:ALA:HA	1:A:67:LYS:HB2	4	3.46
(1,409)	1:B:64:ALA:HA	1:B:67:LYS:HB2	4	3.46
(1,357)	1:A:67:LYS:HA	1:A:70:SER:H	2	3.46
(1,357)	1:A:67:LYS:HA	1:B:70:SER:H	2	3.46
(1,357)	1:B:67:LYS:HA	1:A:70:SER:H	2	3.46
(1,357)	1:B:67:LYS:HA	1:B:70:SER:H	2	3.46
(1,357)	1:A:67:LYS:HA	1:A:70:SER:H	20	3.46
(1,357)	1:A:67:LYS:HA	1:B:70:SER:H	20	3.46
(1,357)	1:B:67:LYS:HA	1:A:70:SER:H	20	3.46
(1,357)	1:B:67:LYS:HA	1:B:70:SER:H	20	3.46
(1,246)	1:A:81:LEU:H	1:A:56:GLN:HE22	6	3.46
(1,246)	1:A:81:LEU:H	1:B:56:GLN:HE22	6	3.46
(1,246)	1:B:81:LEU:H	1:A:56:GLN:HE22	6	3.46
(1,246)	1:B:81:LEU:H	1:B:56:GLN:HE22	6	3.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,246)	1:A:81:LEU:H	1:A:56:GLN:HE22	11	3.46
(1,246)	1:A:81:LEU:H	1:B:56:GLN:HE22	11	3.46
(1,246)	1:B:81:LEU:H	1:A:56:GLN:HE22	11	3.46
(1,246)	1:B:81:LEU:H	1:B:56:GLN:HE22	11	3.46
(1,813)	1:A:85:VAL:H	1:A:60:LEU:HD11	16	3.45
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD11	16	3.45
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD12	16	3.45
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD13	16	3.45
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD21	16	3.45
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD22	16	3.45
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD23	16	3.45
(1,813)	1:B:85:VAL:H	1:A:60:LEU:HD11	16	3.45
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD11	16	3.45
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD12	16	3.45
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD13	16	3.45
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD21	16	3.45
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD22	16	3.45
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD23	16	3.45
(1,811)	1:A:84:THR:HB	1:A:60:LEU:HD11	3	3.45
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD11	3	3.45
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD12	3	3.45
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD13	3	3.45
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD21	3	3.45
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD22	3	3.45
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD23	3	3.45
(1,811)	1:B:84:THR:HB	1:A:60:LEU:HD11	3	3.45
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD11	3	3.45
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD12	3	3.45
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD13	3	3.45
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD21	3	3.45
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD22	3	3.45
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD23	3	3.45
(1,684)	1:A:86:LYS:HD3	1:A:87:HIS:HB3	20	3.45
(1,684)	1:A:86:LYS:HD3	1:B:87:HIS:HB3	20	3.45
(1,684)	1:B:86:LYS:HD3	1:A:87:HIS:HB3	20	3.45
(1,684)	1:B:86:LYS:HD3	1:B:87:HIS:HB3	20	3.45
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD11	14	3.44
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD12	14	3.44
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD13	14	3.44
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD21	14	3.44
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD22	14	3.44
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD23	14	3.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD11	14	3.44
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD12	14	3.44
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD13	14	3.44
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD21	14	3.44
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD22	14	3.44
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD23	14	3.44
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD11	14	3.44
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD12	14	3.44
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD13	14	3.44
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD21	14	3.44
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD22	14	3.44
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD23	14	3.44
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD11	14	3.44
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD12	14	3.44
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD13	14	3.44
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD21	14	3.44
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD22	14	3.44
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD23	14	3.44
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD11	14	3.44
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD12	14	3.44
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD13	14	3.44
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD21	14	3.44
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD22	14	3.44
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD23	14	3.44
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD11	14	3.44
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD12	14	3.44
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD13	14	3.44
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD21	14	3.44
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD22	14	3.44
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD23	14	3.44
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD11	14	3.44
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD12	14	3.44
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD13	14	3.44
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD21	14	3.44
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD22	14	3.44
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD23	14	3.44
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD11	14	3.44
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD12	14	3.44
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD13	14	3.44
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD21	14	3.44
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD22	14	3.44
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD23	14	3.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,671)	1:A:92:GLN:HG2	1:A:83:MET:HG3	18	3.44
(1,671)	1:A:92:GLN:HG2	1:B:83:MET:HG3	18	3.44
(1,671)	1:A:92:GLN:HG3	1:A:83:MET:HG3	18	3.44
(1,671)	1:A:92:GLN:HG3	1:B:83:MET:HG3	18	3.44
(1,671)	1:B:92:GLN:HG2	1:A:83:MET:HG3	18	3.44
(1,671)	1:B:92:GLN:HG2	1:B:83:MET:HG3	18	3.44
(1,671)	1:B:92:GLN:HG3	1:A:83:MET:HG3	18	3.44
(1,671)	1:B:92:GLN:HG3	1:B:83:MET:HG3	18	3.44
(1,409)	1:A:64:ALA:HA	1:A:67:LYS:HB2	8	3.44
(1,409)	1:A:64:ALA:HA	1:B:67:LYS:HB2	8	3.44
(1,409)	1:B:64:ALA:HA	1:A:67:LYS:HB2	8	3.44
(1,409)	1:B:64:ALA:HA	1:B:67:LYS:HB2	8	3.44
(1,355)	1:A:65:LEU:HA	1:A:68:ASP:H	9	3.44
(1,355)	1:A:65:LEU:HA	1:B:68:ASP:H	9	3.44
(1,355)	1:B:65:LEU:HA	1:A:68:ASP:H	9	3.44
(1,355)	1:B:65:LEU:HA	1:B:68:ASP:H	9	3.44
(1,813)	1:A:85:VAL:H	1:A:60:LEU:HD11	15	3.43
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD11	15	3.43
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD12	15	3.43
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD13	15	3.43
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD21	15	3.43
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD22	15	3.43
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD23	15	3.43
(1,813)	1:B:85:VAL:H	1:A:60:LEU:HD11	15	3.43
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD11	15	3.43
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD12	15	3.43
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD13	15	3.43
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD21	15	3.43
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD22	15	3.43
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD23	15	3.43
(1,739)	1:A:50:ILE:HG21	1:A:76:GLU:HA	12	3.43
(1,739)	1:A:50:ILE:HG21	1:B:76:GLU:HA	12	3.43
(1,739)	1:B:50:ILE:HG21	1:A:76:GLU:HA	12	3.43
(1,739)	1:B:50:ILE:HG21	1:B:76:GLU:HA	12	3.43
(1,739)	1:B:50:ILE:HG22	1:A:76:GLU:HA	12	3.43
(1,739)	1:B:50:ILE:HG22	1:B:76:GLU:HA	12	3.43
(1,739)	1:B:50:ILE:HG23	1:A:76:GLU:HA	12	3.43
(1,739)	1:B:50:ILE:HG23	1:B:76:GLU:HA	12	3.43
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG21	10	3.43
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG22	10	3.43
(1,640)	1:A:86:LYS:HD3	1:A:84:THR:HG23	10	3.43
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG21	10	3.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG22	10	3.43
(1,640)	1:A:86:LYS:HD3	1:B:84:THR:HG23	10	3.43
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG21	10	3.43
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG22	10	3.43
(1,640)	1:B:86:LYS:HD3	1:A:84:THR:HG23	10	3.43
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG21	10	3.43
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG22	10	3.43
(1,640)	1:B:86:LYS:HD3	1:B:84:THR:HG23	10	3.43
(1,510)	1:A:79:ASP:H	1:A:54:LEU:HG	1	3.43
(1,510)	1:A:79:ASP:H	1:B:54:LEU:HG	1	3.43
(1,510)	1:B:79:ASP:H	1:A:54:LEU:HG	1	3.43
(1,510)	1:B:79:ASP:H	1:B:54:LEU:HG	1	3.43
(1,510)	1:A:79:ASP:H	1:A:54:LEU:HG	3	3.43
(1,510)	1:A:79:ASP:H	1:B:54:LEU:HG	3	3.43
(1,510)	1:B:79:ASP:H	1:A:54:LEU:HG	3	3.43
(1,510)	1:B:79:ASP:H	1:B:54:LEU:HG	3	3.43
(1,409)	1:A:64:ALA:HA	1:A:67:LYS:HB2	11	3.43
(1,409)	1:A:64:ALA:HA	1:B:67:LYS:HB2	11	3.43
(1,409)	1:B:64:ALA:HA	1:A:67:LYS:HB2	11	3.43
(1,409)	1:B:64:ALA:HA	1:B:67:LYS:HB2	11	3.43
(1,357)	1:A:67:LYS:HA	1:A:70:SER:H	16	3.43
(1,357)	1:A:67:LYS:HA	1:B:70:SER:H	16	3.43
(1,357)	1:B:67:LYS:HA	1:A:70:SER:H	16	3.43
(1,357)	1:B:67:LYS:HA	1:B:70:SER:H	16	3.43
(1,813)	1:A:85:VAL:H	1:A:60:LEU:HD11	10	3.42
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD11	10	3.42
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD12	10	3.42
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD13	10	3.42
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD21	10	3.42
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD22	10	3.42
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD23	10	3.42
(1,813)	1:B:85:VAL:H	1:A:60:LEU:HD11	10	3.42
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD11	10	3.42
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD12	10	3.42
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD13	10	3.42
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD21	10	3.42
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD22	10	3.42
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD23	10	3.42
(1,802)	1:A:81:LEU:HB2	1:A:60:LEU:HD11	19	3.42
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD11	19	3.42
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD12	19	3.42
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD13	19	3.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD21	19	3.42
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD22	19	3.42
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD23	19	3.42
(1,802)	1:A:81:LEU:HB3	1:A:60:LEU:HD11	19	3.42
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD11	19	3.42
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD12	19	3.42
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD13	19	3.42
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD21	19	3.42
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD22	19	3.42
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD23	19	3.42
(1,802)	1:B:81:LEU:HB2	1:A:60:LEU:HD11	19	3.42
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD11	19	3.42
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD12	19	3.42
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD13	19	3.42
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD21	19	3.42
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD22	19	3.42
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD23	19	3.42
(1,802)	1:B:81:LEU:HB3	1:A:60:LEU:HD11	19	3.42
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD11	19	3.42
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD12	19	3.42
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD13	19	3.42
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD21	19	3.42
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD22	19	3.42
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD23	19	3.42
(1,784)	1:A:64:ALA:HB1	1:A:67:LYS:HB2	9	3.42
(1,784)	1:A:64:ALA:HB1	1:B:67:LYS:HB2	9	3.42
(1,784)	1:A:64:ALA:HB2	1:A:67:LYS:HB2	9	3.42
(1,784)	1:A:64:ALA:HB2	1:B:67:LYS:HB2	9	3.42
(1,784)	1:A:64:ALA:HB3	1:A:67:LYS:HB2	9	3.42
(1,784)	1:A:64:ALA:HB3	1:B:67:LYS:HB2	9	3.42
(1,784)	1:B:64:ALA:HB1	1:A:67:LYS:HB2	9	3.42
(1,784)	1:B:64:ALA:HB1	1:B:67:LYS:HB2	9	3.42
(1,784)	1:B:64:ALA:HB2	1:A:67:LYS:HB2	9	3.42
(1,784)	1:B:64:ALA:HB2	1:B:67:LYS:HB2	9	3.42
(1,784)	1:B:64:ALA:HB3	1:A:67:LYS:HB2	9	3.42
(1,784)	1:B:64:ALA:HB3	1:B:67:LYS:HB2	9	3.42
(1,739)	1:A:50:ILE:HG21	1:A:76:GLU:HA	18	3.42
(1,739)	1:A:50:ILE:HG21	1:B:76:GLU:HA	18	3.42
(1,739)	1:B:50:ILE:HG21	1:A:76:GLU:HA	18	3.42
(1,739)	1:B:50:ILE:HG21	1:B:76:GLU:HA	18	3.42
(1,739)	1:B:50:ILE:HG22	1:A:76:GLU:HA	18	3.42
(1,739)	1:B:50:ILE:HG22	1:B:76:GLU:HA	18	3.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,739)	1:B:50:ILE:HG23	1:A:76:GLU:HA	18	3.42
(1,739)	1:B:50:ILE:HG23	1:B:76:GLU:HA	18	3.42
(1,688)	1:A:86:LYS:HD3	1:A:87:HIS:HB2	4	3.42
(1,688)	1:A:86:LYS:HD3	1:B:87:HIS:HB2	4	3.42
(1,688)	1:B:86:LYS:HD3	1:A:87:HIS:HB2	4	3.42
(1,688)	1:B:86:LYS:HD3	1:B:87:HIS:HB2	4	3.42
(1,602)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	3	3.42
(1,602)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	3	3.42
(1,602)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	3	3.42
(1,602)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	3	3.42
(1,357)	1:A:67:LYS:HA	1:A:70:SER:H	6	3.42
(1,357)	1:A:67:LYS:HA	1:B:70:SER:H	6	3.42
(1,357)	1:B:67:LYS:HA	1:A:70:SER:H	6	3.42
(1,357)	1:B:67:LYS:HA	1:B:70:SER:H	6	3.42
(1,585)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	15	3.41
(1,585)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	15	3.41
(1,585)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	15	3.41
(1,585)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	15	3.41
(1,848)	1:A:90:ASN:HD21	1:A:66:LYS:HE2	5	3.4
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE2	5	3.4
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE3	5	3.4
(1,848)	1:A:90:ASN:HD22	1:A:66:LYS:HE2	5	3.4
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE2	5	3.4
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE3	5	3.4
(1,848)	1:B:90:ASN:HD21	1:A:66:LYS:HE2	5	3.4
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE2	5	3.4
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE3	5	3.4
(1,848)	1:B:90:ASN:HD22	1:A:66:LYS:HE2	5	3.4
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE2	5	3.4
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE3	5	3.4
(1,835)	1:A:87:HIS:HD1	1:A:67:LYS:HD2	6	3.4
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD2	6	3.4
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD3	6	3.4
(1,835)	1:A:87:HIS:HD2	1:A:67:LYS:HD2	6	3.4
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD2	6	3.4
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD3	6	3.4
(1,835)	1:B:87:HIS:HD1	1:A:67:LYS:HD2	6	3.4
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD2	6	3.4
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD3	6	3.4
(1,835)	1:B:87:HIS:HD2	1:A:67:LYS:HD2	6	3.4
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD2	6	3.4
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD3	6	3.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:A:84:THR:HB	1:A:60:LEU:HD11	13	3.4
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD11	13	3.4
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD12	13	3.4
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD13	13	3.4
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD21	13	3.4
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD22	13	3.4
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD23	13	3.4
(1,811)	1:B:84:THR:HB	1:A:60:LEU:HD11	13	3.4
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD11	13	3.4
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD12	13	3.4
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD13	13	3.4
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD21	13	3.4
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD22	13	3.4
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD23	13	3.4
(1,739)	1:A:50:ILE:HG21	1:A:76:GLU:HA	1	3.4
(1,739)	1:A:50:ILE:HG21	1:B:76:GLU:HA	1	3.4
(1,739)	1:B:50:ILE:HG21	1:A:76:GLU:HA	1	3.4
(1,739)	1:B:50:ILE:HG21	1:B:76:GLU:HA	1	3.4
(1,739)	1:B:50:ILE:HG22	1:A:76:GLU:HA	1	3.4
(1,739)	1:B:50:ILE:HG22	1:B:76:GLU:HA	1	3.4
(1,739)	1:B:50:ILE:HG23	1:A:76:GLU:HA	1	3.4
(1,739)	1:B:50:ILE:HG23	1:B:76:GLU:HA	1	3.4
(1,739)	1:A:50:ILE:HG21	1:A:76:GLU:HA	17	3.4
(1,739)	1:A:50:ILE:HG21	1:B:76:GLU:HA	17	3.4
(1,739)	1:B:50:ILE:HG21	1:A:76:GLU:HA	17	3.4
(1,739)	1:B:50:ILE:HG21	1:B:76:GLU:HA	17	3.4
(1,739)	1:B:50:ILE:HG22	1:A:76:GLU:HA	17	3.4
(1,739)	1:B:50:ILE:HG22	1:B:76:GLU:HA	17	3.4
(1,739)	1:B:50:ILE:HG23	1:A:76:GLU:HA	17	3.4
(1,739)	1:B:50:ILE:HG23	1:B:76:GLU:HA	17	3.4
(1,684)	1:A:86:LYS:HD3	1:A:87:HIS:HB3	2	3.4
(1,684)	1:A:86:LYS:HD3	1:B:87:HIS:HB3	2	3.4
(1,684)	1:B:86:LYS:HD3	1:A:87:HIS:HB3	2	3.4
(1,684)	1:B:86:LYS:HD3	1:B:87:HIS:HB3	2	3.4
(1,510)	1:A:79:ASP:H	1:A:54:LEU:HG	8	3.4
(1,510)	1:A:79:ASP:H	1:B:54:LEU:HG	8	3.4
(1,510)	1:B:79:ASP:H	1:A:54:LEU:HG	8	3.4
(1,510)	1:B:79:ASP:H	1:B:54:LEU:HG	8	3.4
(1,510)	1:A:79:ASP:H	1:A:54:LEU:HG	14	3.4
(1,510)	1:A:79:ASP:H	1:B:54:LEU:HG	14	3.4
(1,510)	1:B:79:ASP:H	1:A:54:LEU:HG	14	3.4
(1,510)	1:B:79:ASP:H	1:B:54:LEU:HG	14	3.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:A:86:LYS:HD3	1:A:84:THR:HB	2	3.4
(1,415)	1:A:86:LYS:HD3	1:B:84:THR:HB	2	3.4
(1,415)	1:B:86:LYS:HD3	1:A:84:THR:HB	2	3.4
(1,415)	1:B:86:LYS:HD3	1:B:84:THR:HB	2	3.4
(1,415)	1:A:86:LYS:HD3	1:A:84:THR:HB	19	3.4
(1,415)	1:A:86:LYS:HD3	1:B:84:THR:HB	19	3.4
(1,415)	1:B:86:LYS:HD3	1:A:84:THR:HB	19	3.4
(1,415)	1:B:86:LYS:HD3	1:B:84:THR:HB	19	3.4
(1,813)	1:A:85:VAL:H	1:A:60:LEU:HD11	20	3.39
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD11	20	3.39
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD12	20	3.39
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD13	20	3.39
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD21	20	3.39
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD22	20	3.39
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD23	20	3.39
(1,813)	1:B:85:VAL:H	1:A:60:LEU:HD11	20	3.39
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD11	20	3.39
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD12	20	3.39
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD13	20	3.39
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD21	20	3.39
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD22	20	3.39
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD23	20	3.39
(1,802)	1:A:81:LEU:HB2	1:A:60:LEU:HD11	10	3.39
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD11	10	3.39
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD12	10	3.39
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD13	10	3.39
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD21	10	3.39
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD22	10	3.39
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD23	10	3.39
(1,802)	1:A:81:LEU:HB3	1:A:60:LEU:HD11	10	3.39
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD11	10	3.39
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD12	10	3.39
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD13	10	3.39
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD21	10	3.39
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD22	10	3.39
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD23	10	3.39
(1,802)	1:B:81:LEU:HB2	1:A:60:LEU:HD11	10	3.39
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD11	10	3.39
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD12	10	3.39
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD13	10	3.39
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD21	10	3.39
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD22	10	3.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD23	10	3.39
(1,802)	1:B:81:LEU:HB3	1:A:60:LEU:HD11	10	3.39
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD11	10	3.39
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD12	10	3.39
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD13	10	3.39
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD21	10	3.39
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD22	10	3.39
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD23	10	3.39
(1,739)	1:A:50:ILE:HG21	1:A:76:GLU:HA	11	3.39
(1,739)	1:A:50:ILE:HG21	1:B:76:GLU:HA	11	3.39
(1,739)	1:B:50:ILE:HG21	1:A:76:GLU:HA	11	3.39
(1,739)	1:B:50:ILE:HG21	1:B:76:GLU:HA	11	3.39
(1,739)	1:B:50:ILE:HG22	1:A:76:GLU:HA	11	3.39
(1,739)	1:B:50:ILE:HG22	1:B:76:GLU:HA	11	3.39
(1,739)	1:B:50:ILE:HG23	1:A:76:GLU:HA	11	3.39
(1,739)	1:B:50:ILE:HG23	1:B:76:GLU:HA	11	3.39
(1,684)	1:A:86:LYS:HD3	1:A:87:HIS:HB3	6	3.39
(1,684)	1:A:86:LYS:HD3	1:B:87:HIS:HB3	6	3.39
(1,684)	1:B:86:LYS:HD3	1:A:87:HIS:HB3	6	3.39
(1,684)	1:B:86:LYS:HD3	1:B:87:HIS:HB3	6	3.39
(1,679)	1:A:92:GLN:HG2	1:A:83:MET:HG2	3	3.39
(1,679)	1:A:92:GLN:HG2	1:B:83:MET:HG2	3	3.39
(1,679)	1:A:92:GLN:HG3	1:A:83:MET:HG2	3	3.39
(1,679)	1:A:92:GLN:HG3	1:B:83:MET:HG2	3	3.39
(1,679)	1:B:92:GLN:HG2	1:A:83:MET:HG2	3	3.39
(1,679)	1:B:92:GLN:HG2	1:B:83:MET:HG2	3	3.39
(1,679)	1:B:92:GLN:HG3	1:A:83:MET:HG2	3	3.39
(1,679)	1:B:92:GLN:HG3	1:B:83:MET:HG2	3	3.39
(1,671)	1:A:92:GLN:HG2	1:A:83:MET:HG3	6	3.39
(1,671)	1:A:92:GLN:HG2	1:B:83:MET:HG3	6	3.39
(1,671)	1:A:92:GLN:HG3	1:A:83:MET:HG3	6	3.39
(1,671)	1:A:92:GLN:HG3	1:B:83:MET:HG3	6	3.39
(1,671)	1:B:92:GLN:HG2	1:A:83:MET:HG3	6	3.39
(1,671)	1:B:92:GLN:HG2	1:B:83:MET:HG3	6	3.39
(1,671)	1:B:92:GLN:HG3	1:A:83:MET:HG3	6	3.39
(1,671)	1:B:92:GLN:HG3	1:B:83:MET:HG3	6	3.39
(1,510)	1:A:79:ASP:H	1:A:54:LEU:HG	6	3.39
(1,510)	1:A:79:ASP:H	1:B:54:LEU:HG	6	3.39
(1,510)	1:B:79:ASP:H	1:A:54:LEU:HG	6	3.39
(1,510)	1:B:79:ASP:H	1:B:54:LEU:HG	6	3.39
(1,848)	1:A:90:ASN:HD21	1:A:66:LYS:HE2	14	3.38
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE2	14	3.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE3	14	3.38
(1,848)	1:A:90:ASN:HD22	1:A:66:LYS:HE2	14	3.38
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE2	14	3.38
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE3	14	3.38
(1,848)	1:B:90:ASN:HD21	1:A:66:LYS:HE2	14	3.38
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE2	14	3.38
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE3	14	3.38
(1,848)	1:B:90:ASN:HD22	1:A:66:LYS:HE2	14	3.38
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE2	14	3.38
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE3	14	3.38
(1,848)	1:A:90:ASN:HD21	1:A:66:LYS:HE2	20	3.38
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE2	20	3.38
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE3	20	3.38
(1,848)	1:A:90:ASN:HD22	1:A:66:LYS:HE2	20	3.38
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE2	20	3.38
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE3	20	3.38
(1,848)	1:B:90:ASN:HD21	1:A:66:LYS:HE2	20	3.38
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE2	20	3.38
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE3	20	3.38
(1,848)	1:B:90:ASN:HD22	1:A:66:LYS:HE2	20	3.38
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE2	20	3.38
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE3	20	3.38
(1,784)	1:A:64:ALA:HB1	1:A:67:LYS:HB2	8	3.38
(1,784)	1:A:64:ALA:HB1	1:B:67:LYS:HB2	8	3.38
(1,784)	1:A:64:ALA:HB2	1:A:67:LYS:HB2	8	3.38
(1,784)	1:A:64:ALA:HB2	1:B:67:LYS:HB2	8	3.38
(1,784)	1:A:64:ALA:HB3	1:A:67:LYS:HB2	8	3.38
(1,784)	1:A:64:ALA:HB3	1:B:67:LYS:HB2	8	3.38
(1,784)	1:B:64:ALA:HB1	1:A:67:LYS:HB2	8	3.38
(1,784)	1:B:64:ALA:HB1	1:B:67:LYS:HB2	8	3.38
(1,784)	1:B:64:ALA:HB2	1:A:67:LYS:HB2	8	3.38
(1,784)	1:B:64:ALA:HB2	1:B:67:LYS:HB2	8	3.38
(1,784)	1:B:64:ALA:HB3	1:A:67:LYS:HB2	8	3.38
(1,784)	1:B:64:ALA:HB3	1:B:67:LYS:HB2	8	3.38
(1,739)	1:A:50:ILE:HG21	1:A:76:GLU:HA	13	3.38
(1,739)	1:A:50:ILE:HG21	1:B:76:GLU:HA	13	3.38
(1,739)	1:B:50:ILE:HG21	1:A:76:GLU:HA	13	3.38
(1,739)	1:B:50:ILE:HG21	1:B:76:GLU:HA	13	3.38
(1,739)	1:B:50:ILE:HG22	1:A:76:GLU:HA	13	3.38
(1,739)	1:B:50:ILE:HG22	1:B:76:GLU:HA	13	3.38
(1,739)	1:B:50:ILE:HG23	1:A:76:GLU:HA	13	3.38
(1,739)	1:B:50:ILE:HG23	1:B:76:GLU:HA	13	3.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,226)	1:A:81:LEU:H	1:A:56:GLN:HE21	19	3.38
(1,226)	1:A:81:LEU:H	1:B:56:GLN:HE21	19	3.38
(1,226)	1:B:81:LEU:H	1:A:56:GLN:HE21	19	3.38
(1,226)	1:B:81:LEU:H	1:B:56:GLN:HE21	19	3.38
(1,802)	1:A:81:LEU:HB2	1:A:60:LEU:HD11	12	3.37
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD11	12	3.37
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD12	12	3.37
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD13	12	3.37
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD21	12	3.37
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD22	12	3.37
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD23	12	3.37
(1,802)	1:A:81:LEU:HB3	1:A:60:LEU:HD11	12	3.37
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD11	12	3.37
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD12	12	3.37
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD13	12	3.37
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD21	12	3.37
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD22	12	3.37
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD23	12	3.37
(1,802)	1:B:81:LEU:HB2	1:A:60:LEU:HD11	12	3.37
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD11	12	3.37
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD12	12	3.37
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD13	12	3.37
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD21	12	3.37
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD22	12	3.37
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD23	12	3.37
(1,802)	1:B:81:LEU:HB3	1:A:60:LEU:HD11	12	3.37
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD11	12	3.37
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD12	12	3.37
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD13	12	3.37
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD21	12	3.37
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD22	12	3.37
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD23	12	3.37
(1,784)	1:A:64:ALA:HB1	1:A:67:LYS:HB2	1	3.37
(1,784)	1:A:64:ALA:HB1	1:B:67:LYS:HB2	1	3.37
(1,784)	1:A:64:ALA:HB2	1:A:67:LYS:HB2	1	3.37
(1,784)	1:A:64:ALA:HB2	1:B:67:LYS:HB2	1	3.37
(1,784)	1:A:64:ALA:HB3	1:A:67:LYS:HB2	1	3.37
(1,784)	1:A:64:ALA:HB3	1:B:67:LYS:HB2	1	3.37
(1,784)	1:B:64:ALA:HB1	1:A:67:LYS:HB2	1	3.37
(1,784)	1:B:64:ALA:HB1	1:B:67:LYS:HB2	1	3.37
(1,784)	1:B:64:ALA:HB2	1:A:67:LYS:HB2	1	3.37
(1,784)	1:B:64:ALA:HB2	1:B:67:LYS:HB2	1	3.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:B:64:ALA:HB3	1:A:67:LYS:HB2	1	3.37
(1,784)	1:B:64:ALA:HB3	1:B:67:LYS:HB2	1	3.37
(1,739)	1:A:50:ILE:HG21	1:A:76:GLU:HA	2	3.37
(1,739)	1:A:50:ILE:HG21	1:B:76:GLU:HA	2	3.37
(1,739)	1:B:50:ILE:HG21	1:A:76:GLU:HA	2	3.37
(1,739)	1:B:50:ILE:HG21	1:B:76:GLU:HA	2	3.37
(1,739)	1:B:50:ILE:HG22	1:A:76:GLU:HA	2	3.37
(1,739)	1:B:50:ILE:HG22	1:B:76:GLU:HA	2	3.37
(1,739)	1:B:50:ILE:HG23	1:A:76:GLU:HA	2	3.37
(1,739)	1:B:50:ILE:HG23	1:B:76:GLU:HA	2	3.37
(1,684)	1:A:86:LYS:HD3	1:A:87:HIS:HB3	1	3.37
(1,684)	1:A:86:LYS:HD3	1:B:87:HIS:HB3	1	3.37
(1,684)	1:B:86:LYS:HD3	1:A:87:HIS:HB3	1	3.37
(1,684)	1:B:86:LYS:HD3	1:B:87:HIS:HB3	1	3.37
(1,585)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	11	3.37
(1,585)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	11	3.37
(1,585)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	11	3.37
(1,585)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	11	3.37
(1,510)	1:A:79:ASP:H	1:A:54:LEU:HG	5	3.37
(1,510)	1:A:79:ASP:H	1:B:54:LEU:HG	5	3.37
(1,510)	1:B:79:ASP:H	1:A:54:LEU:HG	5	3.37
(1,510)	1:B:79:ASP:H	1:B:54:LEU:HG	5	3.37
(1,510)	1:A:79:ASP:H	1:A:54:LEU:HG	17	3.37
(1,510)	1:A:79:ASP:H	1:B:54:LEU:HG	17	3.37
(1,510)	1:B:79:ASP:H	1:A:54:LEU:HG	17	3.37
(1,510)	1:B:79:ASP:H	1:B:54:LEU:HG	17	3.37
(1,246)	1:A:81:LEU:H	1:A:56:GLN:HE22	7	3.37
(1,246)	1:A:81:LEU:H	1:B:56:GLN:HE22	7	3.37
(1,246)	1:B:81:LEU:H	1:A:56:GLN:HE22	7	3.37
(1,246)	1:B:81:LEU:H	1:B:56:GLN:HE22	7	3.37
(1,929)	1:A:71:ARG:N	1:A:67:LYS:O	13	3.36
(1,929)	1:A:71:ARG:N	1:B:67:LYS:O	13	3.36
(1,929)	1:B:71:ARG:N	1:A:67:LYS:O	13	3.36
(1,929)	1:B:71:ARG:N	1:B:67:LYS:O	13	3.36
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	14	3.36
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	14	3.36
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	14	3.36
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	14	3.36
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	14	3.36
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	14	3.36
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	14	3.36
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	14	3.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	14	3.36
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	14	3.36
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	14	3.36
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	14	3.36
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	14	3.36
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	14	3.36
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	14	3.36
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	14	3.36
(1,811)	1:A:84:THR:HB	1:A:60:LEU:HD11	17	3.36
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD11	17	3.36
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD12	17	3.36
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD13	17	3.36
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD21	17	3.36
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD22	17	3.36
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD23	17	3.36
(1,811)	1:B:84:THR:HB	1:A:60:LEU:HD11	17	3.36
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD11	17	3.36
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD12	17	3.36
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD13	17	3.36
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD21	17	3.36
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD22	17	3.36
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD23	17	3.36
(1,809)	1:A:84:THR:H	1:A:60:LEU:HD11	7	3.36
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD11	7	3.36
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD12	7	3.36
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD13	7	3.36
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD21	7	3.36
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD22	7	3.36
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD23	7	3.36
(1,809)	1:B:84:THR:H	1:A:60:LEU:HD11	7	3.36
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD11	7	3.36
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD12	7	3.36
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD13	7	3.36
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD21	7	3.36
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD22	7	3.36
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD23	7	3.36
(1,809)	1:A:84:THR:H	1:A:60:LEU:HD11	10	3.36
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD11	10	3.36
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD12	10	3.36
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD13	10	3.36
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD21	10	3.36
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD22	10	3.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD23	10	3.36
(1,809)	1:B:84:THR:H	1:A:60:LEU:HD11	10	3.36
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD11	10	3.36
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD12	10	3.36
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD13	10	3.36
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD21	10	3.36
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD22	10	3.36
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD23	10	3.36
(1,802)	1:A:81:LEU:HB2	1:A:60:LEU:HD11	2	3.36
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD11	2	3.36
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD12	2	3.36
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD13	2	3.36
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD21	2	3.36
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD22	2	3.36
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD23	2	3.36
(1,802)	1:A:81:LEU:HB3	1:A:60:LEU:HD11	2	3.36
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD11	2	3.36
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD12	2	3.36
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD13	2	3.36
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD21	2	3.36
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD22	2	3.36
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD23	2	3.36
(1,802)	1:B:81:LEU:HB2	1:A:60:LEU:HD11	2	3.36
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD11	2	3.36
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD12	2	3.36
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD13	2	3.36
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD21	2	3.36
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD22	2	3.36
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD23	2	3.36
(1,802)	1:B:81:LEU:HB3	1:A:60:LEU:HD11	2	3.36
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD11	2	3.36
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD12	2	3.36
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD13	2	3.36
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD21	2	3.36
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD22	2	3.36
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD23	2	3.36
(1,415)	1:A:86:LYS:HD3	1:A:84:THR:HB	16	3.36
(1,415)	1:A:86:LYS:HD3	1:B:84:THR:HB	16	3.36
(1,415)	1:B:86:LYS:HD3	1:A:84:THR:HB	16	3.36
(1,415)	1:B:86:LYS:HD3	1:B:84:THR:HB	16	3.36
(1,848)	1:A:90:ASN:HD21	1:A:66:LYS:HE2	10	3.35
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE2	10	3.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE3	10	3.35
(1,848)	1:A:90:ASN:HD22	1:A:66:LYS:HE2	10	3.35
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE2	10	3.35
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE3	10	3.35
(1,848)	1:B:90:ASN:HD21	1:A:66:LYS:HE2	10	3.35
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE2	10	3.35
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE3	10	3.35
(1,848)	1:B:90:ASN:HD22	1:A:66:LYS:HE2	10	3.35
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE2	10	3.35
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE3	10	3.35
(1,809)	1:A:84:THR:H	1:A:60:LEU:HD11	1	3.35
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD11	1	3.35
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD12	1	3.35
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD13	1	3.35
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD21	1	3.35
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD22	1	3.35
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD23	1	3.35
(1,809)	1:B:84:THR:H	1:A:60:LEU:HD11	1	3.35
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD11	1	3.35
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD12	1	3.35
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD13	1	3.35
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD21	1	3.35
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD22	1	3.35
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD23	1	3.35
(1,809)	1:A:84:THR:H	1:A:60:LEU:HD11	14	3.35
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD11	14	3.35
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD12	14	3.35
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD13	14	3.35
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD21	14	3.35
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD22	14	3.35
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD23	14	3.35
(1,809)	1:B:84:THR:H	1:A:60:LEU:HD11	14	3.35
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD11	14	3.35
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD12	14	3.35
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD13	14	3.35
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD21	14	3.35
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD22	14	3.35
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD23	14	3.35
(1,679)	1:A:92:GLN:HG2	1:A:83:MET:HG2	13	3.35
(1,679)	1:A:92:GLN:HG2	1:B:83:MET:HG2	13	3.35
(1,679)	1:A:92:GLN:HG3	1:A:83:MET:HG2	13	3.35
(1,679)	1:A:92:GLN:HG3	1:B:83:MET:HG2	13	3.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,679)	1:B:92:GLN:HG2	1:A:83:MET:HG2	13	3.35
(1,679)	1:B:92:GLN:HG2	1:B:83:MET:HG2	13	3.35
(1,679)	1:B:92:GLN:HG3	1:A:83:MET:HG2	13	3.35
(1,679)	1:B:92:GLN:HG3	1:B:83:MET:HG2	13	3.35
(1,602)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	20	3.35
(1,602)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	20	3.35
(1,602)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	20	3.35
(1,602)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	20	3.35
(1,357)	1:A:67:LYS:HA	1:A:70:SER:H	14	3.35
(1,357)	1:A:67:LYS:HA	1:B:70:SER:H	14	3.35
(1,357)	1:B:67:LYS:HA	1:A:70:SER:H	14	3.35
(1,357)	1:B:67:LYS:HA	1:B:70:SER:H	14	3.35
(1,246)	1:A:81:LEU:H	1:A:56:GLN:HE22	17	3.35
(1,246)	1:A:81:LEU:H	1:B:56:GLN:HE22	17	3.35
(1,246)	1:B:81:LEU:H	1:A:56:GLN:HE22	17	3.35
(1,246)	1:B:81:LEU:H	1:B:56:GLN:HE22	17	3.35
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	5	3.34
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	5	3.34
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	5	3.34
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	5	3.34
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	5	3.34
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	5	3.34
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	5	3.34
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	5	3.34
(1,679)	1:A:92:GLN:HG2	1:A:83:MET:HG2	19	3.34
(1,679)	1:A:92:GLN:HG2	1:B:83:MET:HG2	19	3.34
(1,679)	1:A:92:GLN:HG3	1:A:83:MET:HG2	19	3.34
(1,679)	1:A:92:GLN:HG3	1:B:83:MET:HG2	19	3.34
(1,679)	1:B:92:GLN:HG2	1:A:83:MET:HG2	19	3.34
(1,679)	1:B:92:GLN:HG2	1:B:83:MET:HG2	19	3.34
(1,679)	1:B:92:GLN:HG3	1:A:83:MET:HG2	19	3.34
(1,679)	1:B:92:GLN:HG3	1:B:83:MET:HG2	19	3.34
(1,671)	1:A:92:GLN:HG2	1:A:83:MET:HG3	3	3.34
(1,671)	1:A:92:GLN:HG2	1:B:83:MET:HG3	3	3.34
(1,671)	1:A:92:GLN:HG3	1:A:83:MET:HG3	3	3.34
(1,671)	1:A:92:GLN:HG3	1:B:83:MET:HG3	3	3.34
(1,671)	1:B:92:GLN:HG2	1:A:83:MET:HG3	3	3.34
(1,671)	1:B:92:GLN:HG2	1:B:83:MET:HG3	3	3.34
(1,671)	1:B:92:GLN:HG3	1:A:83:MET:HG3	3	3.34
(1,671)	1:B:92:GLN:HG3	1:B:83:MET:HG3	3	3.34
(1,409)	1:A:64:ALA:HA	1:A:67:LYS:HB2	16	3.34
(1,409)	1:A:64:ALA:HA	1:B:67:LYS:HB2	16	3.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:B:64:ALA:HA	1:A:67:LYS:HB2	16	3.34
(1,409)	1:B:64:ALA:HA	1:B:67:LYS:HB2	16	3.34
(1,357)	1:A:67:LYS:HA	1:A:70:SER:H	17	3.34
(1,357)	1:A:67:LYS:HA	1:B:70:SER:H	17	3.34
(1,357)	1:B:67:LYS:HA	1:A:70:SER:H	17	3.34
(1,357)	1:B:67:LYS:HA	1:B:70:SER:H	17	3.34
(1,246)	1:A:81:LEU:H	1:A:56:GLN:HE22	18	3.34
(1,246)	1:A:81:LEU:H	1:B:56:GLN:HE22	18	3.34
(1,246)	1:B:81:LEU:H	1:A:56:GLN:HE22	18	3.34
(1,246)	1:B:81:LEU:H	1:B:56:GLN:HE22	18	3.34
(1,802)	1:A:81:LEU:HB2	1:A:60:LEU:HD11	4	3.33
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD11	4	3.33
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD12	4	3.33
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD13	4	3.33
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD21	4	3.33
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD22	4	3.33
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD23	4	3.33
(1,802)	1:A:81:LEU:HB3	1:A:60:LEU:HD11	4	3.33
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD11	4	3.33
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD12	4	3.33
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD13	4	3.33
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD21	4	3.33
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD22	4	3.33
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD23	4	3.33
(1,802)	1:B:81:LEU:HB2	1:A:60:LEU:HD11	4	3.33
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD11	4	3.33
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD12	4	3.33
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD13	4	3.33
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD21	4	3.33
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD22	4	3.33
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD23	4	3.33
(1,802)	1:B:81:LEU:HB3	1:A:60:LEU:HD11	4	3.33
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD11	4	3.33
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD12	4	3.33
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD13	4	3.33
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD21	4	3.33
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD22	4	3.33
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD23	4	3.33
(1,688)	1:A:86:LYS:HD3	1:A:87:HIS:HB2	10	3.33
(1,688)	1:A:86:LYS:HD3	1:B:87:HIS:HB2	10	3.33
(1,688)	1:B:86:LYS:HD3	1:A:87:HIS:HB2	10	3.33
(1,688)	1:B:86:LYS:HD3	1:B:87:HIS:HB2	10	3.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,688)	1:A:86:LYS:HD3	1:A:87:HIS:HB2	11	3.33
(1,688)	1:A:86:LYS:HD3	1:B:87:HIS:HB2	11	3.33
(1,688)	1:B:86:LYS:HD3	1:A:87:HIS:HB2	11	3.33
(1,688)	1:B:86:LYS:HD3	1:B:87:HIS:HB2	11	3.33
(1,684)	1:A:86:LYS:HD3	1:A:87:HIS:HB3	8	3.33
(1,684)	1:A:86:LYS:HD3	1:B:87:HIS:HB3	8	3.33
(1,684)	1:B:86:LYS:HD3	1:A:87:HIS:HB3	8	3.33
(1,684)	1:B:86:LYS:HD3	1:B:87:HIS:HB3	8	3.33
(1,601)	1:A:64:ALA:HB1	1:A:67:LYS:HG2	3	3.33
(1,601)	1:A:64:ALA:HB1	1:B:67:LYS:HG2	3	3.33
(1,601)	1:B:64:ALA:HB1	1:A:67:LYS:HG2	3	3.33
(1,601)	1:B:64:ALA:HB1	1:B:67:LYS:HG2	3	3.33
(1,510)	1:A:79:ASP:H	1:A:54:LEU:HG	16	3.33
(1,510)	1:A:79:ASP:H	1:B:54:LEU:HG	16	3.33
(1,510)	1:B:79:ASP:H	1:A:54:LEU:HG	16	3.33
(1,510)	1:B:79:ASP:H	1:B:54:LEU:HG	16	3.33
(1,308)	1:A:90:ASN:H	1:A:65:LEU:HG	8	3.33
(1,308)	1:A:90:ASN:H	1:B:65:LEU:HG	8	3.33
(1,308)	1:B:90:ASN:H	1:A:65:LEU:HG	8	3.33
(1,308)	1:B:90:ASN:H	1:B:65:LEU:HG	8	3.33
(1,246)	1:A:81:LEU:H	1:A:56:GLN:HE22	1	3.33
(1,246)	1:A:81:LEU:H	1:B:56:GLN:HE22	1	3.33
(1,246)	1:B:81:LEU:H	1:A:56:GLN:HE22	1	3.33
(1,246)	1:B:81:LEU:H	1:B:56:GLN:HE22	1	3.33
(1,929)	1:A:71:ARG:N	1:A:67:LYS:O	12	3.32
(1,929)	1:A:71:ARG:N	1:B:67:LYS:O	12	3.32
(1,929)	1:B:71:ARG:N	1:A:67:LYS:O	12	3.32
(1,929)	1:B:71:ARG:N	1:B:67:LYS:O	12	3.32
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	5	3.32
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	5	3.32
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	5	3.32
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	5	3.32
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	5	3.32
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	5	3.32
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	5	3.32
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	5	3.32
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	5	3.32
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	5	3.32
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	5	3.32
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	5	3.32
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	5	3.32
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	5	3.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	5	3.32
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	5	3.32
(1,813)	1:A:85:VAL:H	1:A:60:LEU:HD11	8	3.32
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD11	8	3.32
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD12	8	3.32
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD13	8	3.32
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD21	8	3.32
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD22	8	3.32
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD23	8	3.32
(1,813)	1:B:85:VAL:H	1:A:60:LEU:HD11	8	3.32
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD11	8	3.32
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD12	8	3.32
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD13	8	3.32
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD21	8	3.32
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD22	8	3.32
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD23	8	3.32
(1,813)	1:A:85:VAL:H	1:A:60:LEU:HD11	19	3.32
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD11	19	3.32
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD12	19	3.32
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD13	19	3.32
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD21	19	3.32
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD22	19	3.32
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD23	19	3.32
(1,813)	1:B:85:VAL:H	1:A:60:LEU:HD11	19	3.32
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD11	19	3.32
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD12	19	3.32
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD13	19	3.32
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD21	19	3.32
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD22	19	3.32
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD23	19	3.32
(1,601)	1:A:64:ALA:HB1	1:A:67:LYS:HG2	20	3.32
(1,601)	1:A:64:ALA:HB1	1:B:67:LYS:HG2	20	3.32
(1,601)	1:B:64:ALA:HB1	1:A:67:LYS:HG2	20	3.32
(1,601)	1:B:64:ALA:HB1	1:B:67:LYS:HG2	20	3.32
(1,510)	1:A:79:ASP:H	1:A:54:LEU:HG	13	3.32
(1,510)	1:A:79:ASP:H	1:B:54:LEU:HG	13	3.32
(1,510)	1:B:79:ASP:H	1:A:54:LEU:HG	13	3.32
(1,510)	1:B:79:ASP:H	1:B:54:LEU:HG	13	3.32
(1,415)	1:A:86:LYS:HD3	1:A:84:THR:HB	12	3.32
(1,415)	1:A:86:LYS:HD3	1:B:84:THR:HB	12	3.32
(1,415)	1:B:86:LYS:HD3	1:A:84:THR:HB	12	3.32
(1,415)	1:B:86:LYS:HD3	1:B:84:THR:HB	12	3.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD11	13	3.31
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD12	13	3.31
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD13	13	3.31
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD21	13	3.31
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD22	13	3.31
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD23	13	3.31
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD11	13	3.31
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD12	13	3.31
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD13	13	3.31
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD21	13	3.31
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD22	13	3.31
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD23	13	3.31
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD11	13	3.31
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD12	13	3.31
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD13	13	3.31
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD21	13	3.31
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD22	13	3.31
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD23	13	3.31
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD11	13	3.31
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD12	13	3.31
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD13	13	3.31
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD21	13	3.31
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD22	13	3.31
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD23	13	3.31
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD11	13	3.31
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD12	13	3.31
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD13	13	3.31
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD21	13	3.31
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD22	13	3.31
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD23	13	3.31
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD11	13	3.31
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD12	13	3.31
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD13	13	3.31
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD21	13	3.31
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD22	13	3.31
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD23	13	3.31
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD11	13	3.31
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD12	13	3.31
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD13	13	3.31
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD21	13	3.31
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD22	13	3.31
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD23	13	3.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD11	13	3.31
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD12	13	3.31
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD13	13	3.31
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD21	13	3.31
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD22	13	3.31
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD23	13	3.31
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	19	3.31
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	19	3.31
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	19	3.31
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	19	3.31
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	19	3.31
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	19	3.31
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	19	3.31
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	19	3.31
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	19	3.31
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	19	3.31
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	19	3.31
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	19	3.31
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	19	3.31
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	19	3.31
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	19	3.31
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	19	3.31
(1,809)	1:A:84:THR:H	1:A:60:LEU:HD11	16	3.31
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD11	16	3.31
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD12	16	3.31
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD13	16	3.31
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD21	16	3.31
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD22	16	3.31
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD23	16	3.31
(1,809)	1:B:84:THR:H	1:A:60:LEU:HD11	16	3.31
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD11	16	3.31
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD12	16	3.31
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD13	16	3.31
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD21	16	3.31
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD22	16	3.31
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD23	16	3.31
(1,784)	1:A:64:ALA:HB1	1:A:67:LYS:HB2	7	3.31
(1,784)	1:A:64:ALA:HB1	1:B:67:LYS:HB2	7	3.31
(1,784)	1:A:64:ALA:HB2	1:A:67:LYS:HB2	7	3.31
(1,784)	1:A:64:ALA:HB2	1:B:67:LYS:HB2	7	3.31
(1,784)	1:A:64:ALA:HB3	1:A:67:LYS:HB2	7	3.31
(1,784)	1:A:64:ALA:HB3	1:B:67:LYS:HB2	7	3.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:B:64:ALA:HB1	1:A:67:LYS:HB2	7	3.31
(1,784)	1:B:64:ALA:HB1	1:B:67:LYS:HB2	7	3.31
(1,784)	1:B:64:ALA:HB2	1:A:67:LYS:HB2	7	3.31
(1,784)	1:B:64:ALA:HB2	1:B:67:LYS:HB2	7	3.31
(1,784)	1:B:64:ALA:HB3	1:A:67:LYS:HB2	7	3.31
(1,784)	1:B:64:ALA:HB3	1:B:67:LYS:HB2	7	3.31
(1,308)	1:A:90:ASN:H	1:A:65:LEU:HG	6	3.31
(1,308)	1:A:90:ASN:H	1:B:65:LEU:HG	6	3.31
(1,308)	1:B:90:ASN:H	1:A:65:LEU:HG	6	3.31
(1,308)	1:B:90:ASN:H	1:B:65:LEU:HG	6	3.31
(1,929)	1:A:71:ARG:N	1:A:67:LYS:O	17	3.3
(1,929)	1:A:71:ARG:N	1:B:67:LYS:O	17	3.3
(1,929)	1:B:71:ARG:N	1:A:67:LYS:O	17	3.3
(1,929)	1:B:71:ARG:N	1:B:67:LYS:O	17	3.3
(1,813)	1:A:85:VAL:H	1:A:60:LEU:HD11	18	3.3
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD11	18	3.3
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD12	18	3.3
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD13	18	3.3
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD21	18	3.3
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD22	18	3.3
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD23	18	3.3
(1,813)	1:B:85:VAL:H	1:A:60:LEU:HD11	18	3.3
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD11	18	3.3
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD12	18	3.3
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD13	18	3.3
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD21	18	3.3
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD22	18	3.3
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD23	18	3.3
(1,802)	1:A:81:LEU:HB2	1:A:60:LEU:HD11	6	3.3
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD11	6	3.3
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD12	6	3.3
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD13	6	3.3
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD21	6	3.3
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD22	6	3.3
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD23	6	3.3
(1,802)	1:A:81:LEU:HB3	1:A:60:LEU:HD11	6	3.3
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD11	6	3.3
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD12	6	3.3
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD13	6	3.3
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD21	6	3.3
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD22	6	3.3
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD23	6	3.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:B:81:LEU:HB2	1:A:60:LEU:HD11	6	3.3
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD11	6	3.3
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD12	6	3.3
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD13	6	3.3
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD21	6	3.3
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD22	6	3.3
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD23	6	3.3
(1,802)	1:B:81:LEU:HB3	1:A:60:LEU:HD11	6	3.3
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD11	6	3.3
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD12	6	3.3
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD13	6	3.3
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD21	6	3.3
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD22	6	3.3
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD23	6	3.3
(1,802)	1:A:81:LEU:HB2	1:A:60:LEU:HD11	20	3.3
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD11	20	3.3
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD12	20	3.3
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD13	20	3.3
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD21	20	3.3
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD22	20	3.3
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD23	20	3.3
(1,802)	1:A:81:LEU:HB3	1:A:60:LEU:HD11	20	3.3
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD11	20	3.3
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD12	20	3.3
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD13	20	3.3
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD21	20	3.3
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD22	20	3.3
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD23	20	3.3
(1,802)	1:B:81:LEU:HB2	1:A:60:LEU:HD11	20	3.3
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD11	20	3.3
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD12	20	3.3
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD13	20	3.3
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD21	20	3.3
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD22	20	3.3
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD23	20	3.3
(1,802)	1:B:81:LEU:HB3	1:A:60:LEU:HD11	20	3.3
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD11	20	3.3
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD12	20	3.3
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD13	20	3.3
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD21	20	3.3
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD22	20	3.3
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD23	20	3.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,739)	1:A:50:ILE:HG21	1:A:76:GLU:HA	16	3.3
(1,739)	1:A:50:ILE:HG21	1:B:76:GLU:HA	16	3.3
(1,739)	1:B:50:ILE:HG21	1:A:76:GLU:HA	16	3.3
(1,739)	1:B:50:ILE:HG21	1:B:76:GLU:HA	16	3.3
(1,739)	1:B:50:ILE:HG22	1:A:76:GLU:HA	16	3.3
(1,739)	1:B:50:ILE:HG22	1:B:76:GLU:HA	16	3.3
(1,739)	1:B:50:ILE:HG23	1:A:76:GLU:HA	16	3.3
(1,739)	1:B:50:ILE:HG23	1:B:76:GLU:HA	16	3.3
(1,679)	1:A:92:GLN:HG2	1:A:83:MET:HG2	6	3.3
(1,679)	1:A:92:GLN:HG2	1:B:83:MET:HG2	6	3.3
(1,679)	1:A:92:GLN:HG3	1:A:83:MET:HG2	6	3.3
(1,679)	1:A:92:GLN:HG3	1:B:83:MET:HG2	6	3.3
(1,679)	1:B:92:GLN:HG2	1:A:83:MET:HG2	6	3.3
(1,679)	1:B:92:GLN:HG2	1:B:83:MET:HG2	6	3.3
(1,679)	1:B:92:GLN:HG3	1:A:83:MET:HG2	6	3.3
(1,679)	1:B:92:GLN:HG3	1:B:83:MET:HG2	6	3.3
(1,671)	1:A:92:GLN:HG2	1:A:83:MET:HG3	1	3.3
(1,671)	1:A:92:GLN:HG2	1:B:83:MET:HG3	1	3.3
(1,671)	1:A:92:GLN:HG3	1:A:83:MET:HG3	1	3.3
(1,671)	1:A:92:GLN:HG3	1:B:83:MET:HG3	1	3.3
(1,671)	1:B:92:GLN:HG2	1:A:83:MET:HG3	1	3.3
(1,671)	1:B:92:GLN:HG2	1:B:83:MET:HG3	1	3.3
(1,671)	1:B:92:GLN:HG3	1:A:83:MET:HG3	1	3.3
(1,671)	1:B:92:GLN:HG3	1:B:83:MET:HG3	1	3.3
(1,602)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	10	3.3
(1,602)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	10	3.3
(1,602)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	10	3.3
(1,602)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	10	3.3
(1,415)	1:A:86:LYS:HD3	1:A:84:THR:HB	1	3.3
(1,415)	1:A:86:LYS:HD3	1:B:84:THR:HB	1	3.3
(1,415)	1:B:86:LYS:HD3	1:A:84:THR:HB	1	3.3
(1,415)	1:B:86:LYS:HD3	1:B:84:THR:HB	1	3.3
(1,355)	1:A:65:LEU:HA	1:A:68:ASP:H	14	3.3
(1,355)	1:A:65:LEU:HA	1:B:68:ASP:H	14	3.3
(1,355)	1:B:65:LEU:HA	1:A:68:ASP:H	14	3.3
(1,355)	1:B:65:LEU:HA	1:B:68:ASP:H	14	3.3
(1,246)	1:A:81:LEU:H	1:A:56:GLN:HE22	15	3.3
(1,246)	1:A:81:LEU:H	1:B:56:GLN:HE22	15	3.3
(1,246)	1:B:81:LEU:H	1:A:56:GLN:HE22	15	3.3
(1,246)	1:B:81:LEU:H	1:B:56:GLN:HE22	15	3.3
(1,848)	1:A:90:ASN:HD21	1:A:66:LYS:HE2	16	3.29
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE2	16	3.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE3	16	3.29
(1,848)	1:A:90:ASN:HD22	1:A:66:LYS:HE2	16	3.29
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE2	16	3.29
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE3	16	3.29
(1,848)	1:B:90:ASN:HD21	1:A:66:LYS:HE2	16	3.29
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE2	16	3.29
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE3	16	3.29
(1,848)	1:B:90:ASN:HD22	1:A:66:LYS:HE2	16	3.29
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE2	16	3.29
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE3	16	3.29
(1,684)	1:A:86:LYS:HD3	1:A:87:HIS:HB3	18	3.29
(1,684)	1:A:86:LYS:HD3	1:B:87:HIS:HB3	18	3.29
(1,684)	1:B:86:LYS:HD3	1:A:87:HIS:HB3	18	3.29
(1,684)	1:B:86:LYS:HD3	1:B:87:HIS:HB3	18	3.29
(1,603)	1:A:64:ALA:HB2	1:A:67:LYS:HG2	7	3.29
(1,603)	1:A:64:ALA:HB2	1:B:67:LYS:HG2	7	3.29
(1,603)	1:B:64:ALA:HB2	1:A:67:LYS:HG2	7	3.29
(1,603)	1:B:64:ALA:HB2	1:B:67:LYS:HG2	7	3.29
(1,432)	1:A:90:ASN:HA	1:A:65:LEU:HG	10	3.29
(1,432)	1:A:90:ASN:HA	1:B:65:LEU:HG	10	3.29
(1,432)	1:B:90:ASN:HA	1:A:65:LEU:HG	10	3.29
(1,432)	1:B:90:ASN:HA	1:B:65:LEU:HG	10	3.29
(1,415)	1:A:86:LYS:HD3	1:A:84:THR:HB	5	3.29
(1,415)	1:A:86:LYS:HD3	1:B:84:THR:HB	5	3.29
(1,415)	1:B:86:LYS:HD3	1:A:84:THR:HB	5	3.29
(1,415)	1:B:86:LYS:HD3	1:B:84:THR:HB	5	3.29
(1,409)	1:A:64:ALA:HA	1:A:67:LYS:HB2	14	3.29
(1,409)	1:A:64:ALA:HA	1:B:67:LYS:HB2	14	3.29
(1,409)	1:B:64:ALA:HA	1:A:67:LYS:HB2	14	3.29
(1,409)	1:B:64:ALA:HA	1:B:67:LYS:HB2	14	3.29
(1,848)	1:A:90:ASN:HD21	1:A:66:LYS:HE2	3	3.28
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE2	3	3.28
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE3	3	3.28
(1,848)	1:A:90:ASN:HD22	1:A:66:LYS:HE2	3	3.28
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE2	3	3.28
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE3	3	3.28
(1,848)	1:B:90:ASN:HD21	1:A:66:LYS:HE2	3	3.28
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE2	3	3.28
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE3	3	3.28
(1,848)	1:B:90:ASN:HD22	1:A:66:LYS:HE2	3	3.28
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE2	3	3.28
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE3	3	3.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,809)	1:A:84:THR:H	1:A:60:LEU:HD11	20	3.28
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD11	20	3.28
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD12	20	3.28
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD13	20	3.28
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD21	20	3.28
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD22	20	3.28
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD23	20	3.28
(1,809)	1:B:84:THR:H	1:A:60:LEU:HD11	20	3.28
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD11	20	3.28
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD12	20	3.28
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD13	20	3.28
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD21	20	3.28
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD22	20	3.28
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD23	20	3.28
(1,802)	1:A:81:LEU:HB2	1:A:60:LEU:HD11	1	3.28
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD11	1	3.28
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD12	1	3.28
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD13	1	3.28
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD21	1	3.28
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD22	1	3.28
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD23	1	3.28
(1,802)	1:A:81:LEU:HB3	1:A:60:LEU:HD11	1	3.28
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD11	1	3.28
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD12	1	3.28
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD13	1	3.28
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD21	1	3.28
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD22	1	3.28
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD23	1	3.28
(1,802)	1:B:81:LEU:HB2	1:A:60:LEU:HD11	1	3.28
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD11	1	3.28
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD12	1	3.28
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD13	1	3.28
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD21	1	3.28
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD22	1	3.28
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD23	1	3.28
(1,802)	1:B:81:LEU:HB3	1:A:60:LEU:HD11	1	3.28
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD11	1	3.28
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD12	1	3.28
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD13	1	3.28
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD21	1	3.28
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD22	1	3.28
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD23	1	3.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,684)	1:A:86:LYS:HD3	1:A:87:HIS:HB3	13	3.28
(1,684)	1:A:86:LYS:HD3	1:B:87:HIS:HB3	13	3.28
(1,684)	1:B:86:LYS:HD3	1:A:87:HIS:HB3	13	3.28
(1,684)	1:B:86:LYS:HD3	1:B:87:HIS:HB3	13	3.28
(1,671)	1:A:92:GLN:HG2	1:A:83:MET:HG3	19	3.28
(1,671)	1:A:92:GLN:HG2	1:B:83:MET:HG3	19	3.28
(1,671)	1:A:92:GLN:HG3	1:A:83:MET:HG3	19	3.28
(1,671)	1:A:92:GLN:HG3	1:B:83:MET:HG3	19	3.28
(1,671)	1:B:92:GLN:HG2	1:A:83:MET:HG3	19	3.28
(1,671)	1:B:92:GLN:HG2	1:B:83:MET:HG3	19	3.28
(1,671)	1:B:92:GLN:HG3	1:A:83:MET:HG3	19	3.28
(1,671)	1:B:92:GLN:HG3	1:B:83:MET:HG3	19	3.28
(1,602)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	1	3.28
(1,602)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	1	3.28
(1,602)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	1	3.28
(1,602)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	1	3.28
(1,602)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	19	3.28
(1,602)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	19	3.28
(1,602)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	19	3.28
(1,602)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	19	3.28
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB2	16	3.28
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB3	16	3.28
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB2	16	3.28
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB3	16	3.28
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB2	16	3.28
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB3	16	3.28
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB2	16	3.28
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB3	16	3.28
(1,510)	1:A:79:ASP:H	1:A:54:LEU:HG	18	3.28
(1,510)	1:A:79:ASP:H	1:B:54:LEU:HG	18	3.28
(1,510)	1:B:79:ASP:H	1:A:54:LEU:HG	18	3.28
(1,510)	1:B:79:ASP:H	1:B:54:LEU:HG	18	3.28
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD11	3	3.27
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD12	3	3.27
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD13	3	3.27
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD21	3	3.27
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD22	3	3.27
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD23	3	3.27
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD11	3	3.27
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD12	3	3.27
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD13	3	3.27
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD21	3	3.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD22	3	3.27
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD23	3	3.27
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD11	3	3.27
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD12	3	3.27
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD13	3	3.27
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD21	3	3.27
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD22	3	3.27
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD23	3	3.27
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD11	3	3.27
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD12	3	3.27
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD13	3	3.27
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD21	3	3.27
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD22	3	3.27
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD23	3	3.27
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD11	3	3.27
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD12	3	3.27
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD13	3	3.27
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD21	3	3.27
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD22	3	3.27
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD23	3	3.27
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD11	3	3.27
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD12	3	3.27
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD13	3	3.27
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD21	3	3.27
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD22	3	3.27
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD23	3	3.27
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD11	3	3.27
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD12	3	3.27
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD13	3	3.27
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD21	3	3.27
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD22	3	3.27
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD23	3	3.27
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD11	3	3.27
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD12	3	3.27
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD13	3	3.27
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD21	3	3.27
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD22	3	3.27
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD23	3	3.27
(1,809)	1:A:84:THR:H	1:A:60:LEU:HD11	8	3.27
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD11	8	3.27
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD12	8	3.27
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD13	8	3.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD21	8	3.27
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD22	8	3.27
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD23	8	3.27
(1,809)	1:B:84:THR:H	1:A:60:LEU:HD11	8	3.27
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD11	8	3.27
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD12	8	3.27
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD13	8	3.27
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD21	8	3.27
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD22	8	3.27
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD23	8	3.27
(1,601)	1:A:64:ALA:HB1	1:A:67:LYS:HG2	5	3.27
(1,601)	1:A:64:ALA:HB1	1:B:67:LYS:HG2	5	3.27
(1,601)	1:B:64:ALA:HB1	1:A:67:LYS:HG2	5	3.27
(1,601)	1:B:64:ALA:HB1	1:B:67:LYS:HG2	5	3.27
(1,510)	1:A:79:ASP:H	1:A:54:LEU:HG	2	3.27
(1,510)	1:A:79:ASP:H	1:B:54:LEU:HG	2	3.27
(1,510)	1:B:79:ASP:H	1:A:54:LEU:HG	2	3.27
(1,510)	1:B:79:ASP:H	1:B:54:LEU:HG	2	3.27
(1,355)	1:A:65:LEU:HA	1:A:68:ASP:H	20	3.27
(1,355)	1:A:65:LEU:HA	1:B:68:ASP:H	20	3.27
(1,355)	1:B:65:LEU:HA	1:A:68:ASP:H	20	3.27
(1,355)	1:B:65:LEU:HA	1:B:68:ASP:H	20	3.27
(1,246)	1:A:81:LEU:H	1:A:56:GLN:HE22	3	3.27
(1,246)	1:A:81:LEU:H	1:B:56:GLN:HE22	3	3.27
(1,246)	1:B:81:LEU:H	1:A:56:GLN:HE22	3	3.27
(1,246)	1:B:81:LEU:H	1:B:56:GLN:HE22	3	3.27
(1,813)	1:A:85:VAL:H	1:A:60:LEU:HD11	4	3.26
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD11	4	3.26
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD12	4	3.26
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD13	4	3.26
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD21	4	3.26
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD22	4	3.26
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD23	4	3.26
(1,813)	1:B:85:VAL:H	1:A:60:LEU:HD11	4	3.26
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD11	4	3.26
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD12	4	3.26
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD13	4	3.26
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD21	4	3.26
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD22	4	3.26
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD23	4	3.26
(1,809)	1:A:84:THR:H	1:A:60:LEU:HD11	18	3.26
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD11	18	3.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD12	18	3.26
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD13	18	3.26
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD21	18	3.26
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD22	18	3.26
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD23	18	3.26
(1,809)	1:B:84:THR:H	1:A:60:LEU:HD11	18	3.26
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD11	18	3.26
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD12	18	3.26
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD13	18	3.26
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD21	18	3.26
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD22	18	3.26
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD23	18	3.26
(1,684)	1:A:86:LYS:HD3	1:A:87:HIS:HB3	9	3.26
(1,684)	1:A:86:LYS:HD3	1:B:87:HIS:HB3	9	3.26
(1,684)	1:B:86:LYS:HD3	1:A:87:HIS:HB3	9	3.26
(1,684)	1:B:86:LYS:HD3	1:B:87:HIS:HB3	9	3.26
(1,510)	1:A:79:ASP:H	1:A:54:LEU:HG	11	3.26
(1,510)	1:A:79:ASP:H	1:B:54:LEU:HG	11	3.26
(1,510)	1:B:79:ASP:H	1:A:54:LEU:HG	11	3.26
(1,510)	1:B:79:ASP:H	1:B:54:LEU:HG	11	3.26
(1,355)	1:A:65:LEU:HA	1:A:68:ASP:H	12	3.26
(1,355)	1:A:65:LEU:HA	1:B:68:ASP:H	12	3.26
(1,355)	1:B:65:LEU:HA	1:A:68:ASP:H	12	3.26
(1,355)	1:B:65:LEU:HA	1:B:68:ASP:H	12	3.26
(1,929)	1:A:71:ARG:N	1:A:67:LYS:O	4	3.25
(1,929)	1:A:71:ARG:N	1:B:67:LYS:O	4	3.25
(1,929)	1:B:71:ARG:N	1:A:67:LYS:O	4	3.25
(1,929)	1:B:71:ARG:N	1:B:67:LYS:O	4	3.25
(1,809)	1:A:84:THR:H	1:A:60:LEU:HD11	2	3.25
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD11	2	3.25
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD12	2	3.25
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD13	2	3.25
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD21	2	3.25
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD22	2	3.25
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD23	2	3.25
(1,809)	1:B:84:THR:H	1:A:60:LEU:HD11	2	3.25
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD11	2	3.25
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD12	2	3.25
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD13	2	3.25
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD21	2	3.25
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD22	2	3.25
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD23	2	3.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,809)	1:A:84:THR:H	1:A:60:LEU:HD11	15	3.25
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD11	15	3.25
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD12	15	3.25
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD13	15	3.25
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD21	15	3.25
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD22	15	3.25
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD23	15	3.25
(1,809)	1:B:84:THR:H	1:A:60:LEU:HD11	15	3.25
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD11	15	3.25
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD12	15	3.25
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD13	15	3.25
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD21	15	3.25
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD22	15	3.25
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD23	15	3.25
(1,802)	1:A:81:LEU:HB2	1:A:60:LEU:HD11	18	3.25
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD11	18	3.25
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD12	18	3.25
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD13	18	3.25
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD21	18	3.25
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD22	18	3.25
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD23	18	3.25
(1,802)	1:A:81:LEU:HB3	1:A:60:LEU:HD11	18	3.25
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD11	18	3.25
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD12	18	3.25
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD13	18	3.25
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD21	18	3.25
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD22	18	3.25
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD23	18	3.25
(1,802)	1:B:81:LEU:HB2	1:A:60:LEU:HD11	18	3.25
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD11	18	3.25
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD12	18	3.25
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD13	18	3.25
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD21	18	3.25
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD22	18	3.25
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD23	18	3.25
(1,802)	1:B:81:LEU:HB3	1:A:60:LEU:HD11	18	3.25
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD11	18	3.25
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD12	18	3.25
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD13	18	3.25
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD21	18	3.25
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD22	18	3.25
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD23	18	3.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:A:79:ASP:H	1:A:54:LEU:HG	7	3.25
(1,510)	1:A:79:ASP:H	1:B:54:LEU:HG	7	3.25
(1,510)	1:B:79:ASP:H	1:A:54:LEU:HG	7	3.25
(1,510)	1:B:79:ASP:H	1:B:54:LEU:HG	7	3.25
(1,355)	1:A:65:LEU:HA	1:A:68:ASP:H	2	3.25
(1,355)	1:A:65:LEU:HA	1:B:68:ASP:H	2	3.25
(1,355)	1:B:65:LEU:HA	1:A:68:ASP:H	2	3.25
(1,355)	1:B:65:LEU:HA	1:B:68:ASP:H	2	3.25
(1,938)	1:A:76:GLU:N	1:A:72:HIS:O	17	3.24
(1,938)	1:A:76:GLU:N	1:B:72:HIS:O	17	3.24
(1,938)	1:B:76:GLU:N	1:A:72:HIS:O	17	3.24
(1,938)	1:B:76:GLU:N	1:B:72:HIS:O	17	3.24
(1,802)	1:A:81:LEU:HB2	1:A:60:LEU:HD11	16	3.24
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD11	16	3.24
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD12	16	3.24
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD13	16	3.24
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD21	16	3.24
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD22	16	3.24
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD23	16	3.24
(1,802)	1:A:81:LEU:HB3	1:A:60:LEU:HD11	16	3.24
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD11	16	3.24
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD12	16	3.24
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD13	16	3.24
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD21	16	3.24
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD22	16	3.24
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD23	16	3.24
(1,802)	1:B:81:LEU:HB2	1:A:60:LEU:HD11	16	3.24
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD11	16	3.24
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD12	16	3.24
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD13	16	3.24
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD21	16	3.24
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD22	16	3.24
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD23	16	3.24
(1,802)	1:B:81:LEU:HB3	1:A:60:LEU:HD11	16	3.24
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD11	16	3.24
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD12	16	3.24
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD13	16	3.24
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD21	16	3.24
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD22	16	3.24
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD23	16	3.24
(1,602)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	4	3.24
(1,602)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	4	3.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,602)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	4	3.24
(1,602)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	4	3.24
(1,602)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	17	3.24
(1,602)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	17	3.24
(1,602)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	17	3.24
(1,602)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	17	3.24
(1,601)	1:A:64:ALA:HB1	1:A:67:LYS:HG2	17	3.24
(1,601)	1:A:64:ALA:HB1	1:B:67:LYS:HG2	17	3.24
(1,601)	1:B:64:ALA:HB1	1:A:67:LYS:HG2	17	3.24
(1,601)	1:B:64:ALA:HB1	1:B:67:LYS:HG2	17	3.24
(1,415)	1:A:86:LYS:HD3	1:A:84:THR:HB	18	3.24
(1,415)	1:A:86:LYS:HD3	1:B:84:THR:HB	18	3.24
(1,415)	1:B:86:LYS:HD3	1:A:84:THR:HB	18	3.24
(1,415)	1:B:86:LYS:HD3	1:B:84:THR:HB	18	3.24
(1,308)	1:A:90:ASN:H	1:A:65:LEU:HG	14	3.24
(1,308)	1:A:90:ASN:H	1:B:65:LEU:HG	14	3.24
(1,308)	1:B:90:ASN:H	1:A:65:LEU:HG	14	3.24
(1,308)	1:B:90:ASN:H	1:B:65:LEU:HG	14	3.24
(1,813)	1:A:85:VAL:H	1:A:60:LEU:HD11	2	3.23
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD11	2	3.23
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD12	2	3.23
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD13	2	3.23
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD21	2	3.23
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD22	2	3.23
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD23	2	3.23
(1,813)	1:B:85:VAL:H	1:A:60:LEU:HD11	2	3.23
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD11	2	3.23
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD12	2	3.23
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD13	2	3.23
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD21	2	3.23
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD22	2	3.23
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD23	2	3.23
(1,809)	1:A:84:THR:H	1:A:60:LEU:HD11	4	3.23
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD11	4	3.23
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD12	4	3.23
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD13	4	3.23
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD21	4	3.23
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD22	4	3.23
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD23	4	3.23
(1,809)	1:B:84:THR:H	1:A:60:LEU:HD11	4	3.23
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD11	4	3.23
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD12	4	3.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD13	4	3.23
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD21	4	3.23
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD22	4	3.23
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD23	4	3.23
(1,355)	1:A:65:LEU:HA	1:A:68:ASP:H	3	3.23
(1,355)	1:A:65:LEU:HA	1:B:68:ASP:H	3	3.23
(1,355)	1:B:65:LEU:HA	1:A:68:ASP:H	3	3.23
(1,355)	1:B:65:LEU:HA	1:B:68:ASP:H	3	3.23
(1,802)	1:A:81:LEU:HB2	1:A:60:LEU:HD11	7	3.22
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD11	7	3.22
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD12	7	3.22
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD13	7	3.22
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD21	7	3.22
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD22	7	3.22
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD23	7	3.22
(1,802)	1:A:81:LEU:HB3	1:A:60:LEU:HD11	7	3.22
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD11	7	3.22
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD12	7	3.22
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD13	7	3.22
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD21	7	3.22
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD22	7	3.22
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD23	7	3.22
(1,802)	1:B:81:LEU:HB2	1:A:60:LEU:HD11	7	3.22
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD11	7	3.22
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD12	7	3.22
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD13	7	3.22
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD21	7	3.22
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD22	7	3.22
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD23	7	3.22
(1,802)	1:B:81:LEU:HB3	1:A:60:LEU:HD11	7	3.22
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD11	7	3.22
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD12	7	3.22
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD13	7	3.22
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD21	7	3.22
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD22	7	3.22
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD23	7	3.22
(1,784)	1:A:64:ALA:HB1	1:A:67:LYS:HB2	14	3.22
(1,784)	1:A:64:ALA:HB1	1:B:67:LYS:HB2	14	3.22
(1,784)	1:A:64:ALA:HB2	1:A:67:LYS:HB2	14	3.22
(1,784)	1:A:64:ALA:HB2	1:B:67:LYS:HB2	14	3.22
(1,784)	1:A:64:ALA:HB3	1:A:67:LYS:HB2	14	3.22
(1,784)	1:A:64:ALA:HB3	1:B:67:LYS:HB2	14	3.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:B:64:ALA:HB1	1:A:67:LYS:HB2	14	3.22
(1,784)	1:B:64:ALA:HB1	1:B:67:LYS:HB2	14	3.22
(1,784)	1:B:64:ALA:HB2	1:A:67:LYS:HB2	14	3.22
(1,784)	1:B:64:ALA:HB2	1:B:67:LYS:HB2	14	3.22
(1,784)	1:B:64:ALA:HB3	1:A:67:LYS:HB2	14	3.22
(1,784)	1:B:64:ALA:HB3	1:B:67:LYS:HB2	14	3.22
(1,684)	1:A:86:LYS:HD3	1:A:87:HIS:HB3	7	3.22
(1,684)	1:A:86:LYS:HD3	1:B:87:HIS:HB3	7	3.22
(1,684)	1:B:86:LYS:HD3	1:A:87:HIS:HB3	7	3.22
(1,684)	1:B:86:LYS:HD3	1:B:87:HIS:HB3	7	3.22
(1,408)	1:A:64:ALA:HA	1:A:67:LYS:HG2	13	3.22
(1,408)	1:A:64:ALA:HA	1:B:67:LYS:HG2	13	3.22
(1,408)	1:B:64:ALA:HA	1:A:67:LYS:HG2	13	3.22
(1,408)	1:B:64:ALA:HA	1:B:67:LYS:HG2	13	3.22
(1,355)	1:A:65:LEU:HA	1:A:68:ASP:H	11	3.22
(1,355)	1:A:65:LEU:HA	1:B:68:ASP:H	11	3.22
(1,355)	1:B:65:LEU:HA	1:A:68:ASP:H	11	3.22
(1,355)	1:B:65:LEU:HA	1:B:68:ASP:H	11	3.22
(1,929)	1:A:71:ARG:N	1:A:67:LYS:O	9	3.21
(1,929)	1:A:71:ARG:N	1:B:67:LYS:O	9	3.21
(1,929)	1:B:71:ARG:N	1:A:67:LYS:O	9	3.21
(1,929)	1:B:71:ARG:N	1:B:67:LYS:O	9	3.21
(1,848)	1:A:90:ASN:HD21	1:A:66:LYS:HE2	12	3.21
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE2	12	3.21
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE3	12	3.21
(1,848)	1:A:90:ASN:HD22	1:A:66:LYS:HE2	12	3.21
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE2	12	3.21
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE3	12	3.21
(1,848)	1:B:90:ASN:HD21	1:A:66:LYS:HE2	12	3.21
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE2	12	3.21
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE3	12	3.21
(1,848)	1:B:90:ASN:HD22	1:A:66:LYS:HE2	12	3.21
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE2	12	3.21
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE3	12	3.21
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD1	10	3.21
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD2	10	3.21
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD1	10	3.21
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD2	10	3.21
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD1	10	3.21
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD2	10	3.21
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD1	10	3.21
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD2	10	3.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,813)	1:A:85:VAL:H	1:A:60:LEU:HD11	14	3.21
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD11	14	3.21
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD12	14	3.21
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD13	14	3.21
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD21	14	3.21
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD22	14	3.21
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD23	14	3.21
(1,813)	1:B:85:VAL:H	1:A:60:LEU:HD11	14	3.21
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD11	14	3.21
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD12	14	3.21
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD13	14	3.21
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD21	14	3.21
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD22	14	3.21
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD23	14	3.21
(1,802)	1:A:81:LEU:HB2	1:A:60:LEU:HD11	15	3.21
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD11	15	3.21
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD12	15	3.21
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD13	15	3.21
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD21	15	3.21
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD22	15	3.21
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD23	15	3.21
(1,802)	1:A:81:LEU:HB3	1:A:60:LEU:HD11	15	3.21
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD11	15	3.21
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD12	15	3.21
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD13	15	3.21
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD21	15	3.21
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD22	15	3.21
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD23	15	3.21
(1,802)	1:B:81:LEU:HB2	1:A:60:LEU:HD11	15	3.21
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD11	15	3.21
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD12	15	3.21
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD13	15	3.21
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD21	15	3.21
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD22	15	3.21
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD23	15	3.21
(1,802)	1:B:81:LEU:HB3	1:A:60:LEU:HD11	15	3.21
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD11	15	3.21
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD12	15	3.21
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD13	15	3.21
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD21	15	3.21
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD22	15	3.21
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD23	15	3.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,789)	1:A:66:LYS:HA	1:A:69:SER:HG	2	3.21
(1,789)	1:A:66:LYS:HA	1:B:69:SER:HG	2	3.21
(1,789)	1:B:66:LYS:HA	1:A:69:SER:HG	2	3.21
(1,789)	1:B:66:LYS:HA	1:B:69:SER:HG	2	3.21
(1,679)	1:A:92:GLN:HG2	1:A:83:MET:HG2	20	3.21
(1,679)	1:A:92:GLN:HG2	1:B:83:MET:HG2	20	3.21
(1,679)	1:A:92:GLN:HG3	1:A:83:MET:HG2	20	3.21
(1,679)	1:A:92:GLN:HG3	1:B:83:MET:HG2	20	3.21
(1,679)	1:B:92:GLN:HG2	1:A:83:MET:HG2	20	3.21
(1,679)	1:B:92:GLN:HG2	1:B:83:MET:HG2	20	3.21
(1,679)	1:B:92:GLN:HG3	1:A:83:MET:HG2	20	3.21
(1,679)	1:B:92:GLN:HG3	1:B:83:MET:HG2	20	3.21
(1,510)	1:A:79:ASP:H	1:A:54:LEU:HG	15	3.21
(1,510)	1:A:79:ASP:H	1:B:54:LEU:HG	15	3.21
(1,510)	1:B:79:ASP:H	1:A:54:LEU:HG	15	3.21
(1,510)	1:B:79:ASP:H	1:B:54:LEU:HG	15	3.21
(1,510)	1:A:79:ASP:H	1:A:54:LEU:HG	20	3.21
(1,510)	1:A:79:ASP:H	1:B:54:LEU:HG	20	3.21
(1,510)	1:B:79:ASP:H	1:A:54:LEU:HG	20	3.21
(1,510)	1:B:79:ASP:H	1:B:54:LEU:HG	20	3.21
(1,415)	1:A:86:LYS:HD3	1:A:84:THR:HB	8	3.21
(1,415)	1:A:86:LYS:HD3	1:B:84:THR:HB	8	3.21
(1,415)	1:B:86:LYS:HD3	1:A:84:THR:HB	8	3.21
(1,415)	1:B:86:LYS:HD3	1:B:84:THR:HB	8	3.21
(1,355)	1:A:65:LEU:HA	1:A:68:ASP:H	16	3.21
(1,355)	1:A:65:LEU:HA	1:B:68:ASP:H	16	3.21
(1,355)	1:B:65:LEU:HA	1:A:68:ASP:H	16	3.21
(1,355)	1:B:65:LEU:HA	1:B:68:ASP:H	16	3.21
(1,355)	1:A:65:LEU:HA	1:A:68:ASP:H	19	3.21
(1,355)	1:A:65:LEU:HA	1:B:68:ASP:H	19	3.21
(1,355)	1:B:65:LEU:HA	1:A:68:ASP:H	19	3.21
(1,355)	1:B:65:LEU:HA	1:B:68:ASP:H	19	3.21
(1,739)	1:A:50:ILE:HG21	1:A:76:GLU:HA	9	3.2
(1,739)	1:A:50:ILE:HG21	1:B:76:GLU:HA	9	3.2
(1,739)	1:B:50:ILE:HG21	1:A:76:GLU:HA	9	3.2
(1,739)	1:B:50:ILE:HG21	1:B:76:GLU:HA	9	3.2
(1,739)	1:B:50:ILE:HG22	1:A:76:GLU:HA	9	3.2
(1,739)	1:B:50:ILE:HG22	1:B:76:GLU:HA	9	3.2
(1,739)	1:B:50:ILE:HG23	1:A:76:GLU:HA	9	3.2
(1,739)	1:B:50:ILE:HG23	1:B:76:GLU:HA	9	3.2
(1,415)	1:A:86:LYS:HD3	1:A:84:THR:HB	15	3.2
(1,415)	1:A:86:LYS:HD3	1:B:84:THR:HB	15	3.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:B:86:LYS:HD3	1:A:84:THR:HB	15	3.2
(1,415)	1:B:86:LYS:HD3	1:B:84:THR:HB	15	3.2
(1,409)	1:A:64:ALA:HA	1:A:67:LYS:HB2	1	3.2
(1,409)	1:A:64:ALA:HA	1:B:67:LYS:HB2	1	3.2
(1,409)	1:B:64:ALA:HA	1:A:67:LYS:HB2	1	3.2
(1,409)	1:B:64:ALA:HA	1:B:67:LYS:HB2	1	3.2
(1,355)	1:A:65:LEU:HA	1:A:68:ASP:H	1	3.2
(1,355)	1:A:65:LEU:HA	1:B:68:ASP:H	1	3.2
(1,355)	1:B:65:LEU:HA	1:A:68:ASP:H	1	3.2
(1,355)	1:B:65:LEU:HA	1:B:68:ASP:H	1	3.2
(1,308)	1:A:90:ASN:H	1:A:65:LEU:HG	20	3.2
(1,308)	1:A:90:ASN:H	1:B:65:LEU:HG	20	3.2
(1,308)	1:B:90:ASN:H	1:A:65:LEU:HG	20	3.2
(1,308)	1:B:90:ASN:H	1:B:65:LEU:HG	20	3.2
(1,510)	1:A:79:ASP:H	1:A:54:LEU:HG	9	3.19
(1,510)	1:A:79:ASP:H	1:B:54:LEU:HG	9	3.19
(1,510)	1:B:79:ASP:H	1:A:54:LEU:HG	9	3.19
(1,510)	1:B:79:ASP:H	1:B:54:LEU:HG	9	3.19
(1,246)	1:A:81:LEU:H	1:A:56:GLN:HE22	8	3.19
(1,246)	1:A:81:LEU:H	1:B:56:GLN:HE22	8	3.19
(1,246)	1:B:81:LEU:H	1:A:56:GLN:HE22	8	3.19
(1,246)	1:B:81:LEU:H	1:B:56:GLN:HE22	8	3.19
(1,246)	1:A:81:LEU:H	1:A:56:GLN:HE22	13	3.19
(1,246)	1:A:81:LEU:H	1:B:56:GLN:HE22	13	3.19
(1,246)	1:B:81:LEU:H	1:A:56:GLN:HE22	13	3.19
(1,246)	1:B:81:LEU:H	1:B:56:GLN:HE22	13	3.19
(1,802)	1:A:81:LEU:HB2	1:A:60:LEU:HD11	14	3.18
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD11	14	3.18
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD12	14	3.18
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD13	14	3.18
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD21	14	3.18
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD22	14	3.18
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD23	14	3.18
(1,802)	1:A:81:LEU:HB3	1:A:60:LEU:HD11	14	3.18
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD11	14	3.18
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD12	14	3.18
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD13	14	3.18
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD21	14	3.18
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD22	14	3.18
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD23	14	3.18
(1,802)	1:B:81:LEU:HB2	1:A:60:LEU:HD11	14	3.18
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD11	14	3.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD12	14	3.18
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD13	14	3.18
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD21	14	3.18
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD22	14	3.18
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD23	14	3.18
(1,802)	1:B:81:LEU:HB3	1:A:60:LEU:HD11	14	3.18
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD11	14	3.18
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD12	14	3.18
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD13	14	3.18
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD21	14	3.18
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD22	14	3.18
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD23	14	3.18
(1,603)	1:A:64:ALA:HB2	1:A:67:LYS:HG2	3	3.18
(1,603)	1:A:64:ALA:HB2	1:B:67:LYS:HG2	3	3.18
(1,603)	1:B:64:ALA:HB2	1:A:67:LYS:HG2	3	3.18
(1,603)	1:B:64:ALA:HB2	1:B:67:LYS:HG2	3	3.18
(1,408)	1:A:64:ALA:HA	1:A:67:LYS:HG2	12	3.18
(1,408)	1:A:64:ALA:HA	1:B:67:LYS:HG2	12	3.18
(1,408)	1:B:64:ALA:HA	1:A:67:LYS:HG2	12	3.18
(1,408)	1:B:64:ALA:HA	1:B:67:LYS:HG2	12	3.18
(1,688)	1:A:86:LYS:HD3	1:A:87:HIS:HB2	3	3.17
(1,688)	1:A:86:LYS:HD3	1:B:87:HIS:HB2	3	3.17
(1,688)	1:B:86:LYS:HD3	1:A:87:HIS:HB2	3	3.17
(1,688)	1:B:86:LYS:HD3	1:B:87:HIS:HB2	3	3.17
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	13	3.17
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	13	3.17
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	13	3.17
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	13	3.17
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	13	3.17
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	13	3.17
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	13	3.17
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	13	3.17
(1,684)	1:A:86:LYS:HD3	1:A:87:HIS:HB3	17	3.17
(1,684)	1:A:86:LYS:HD3	1:B:87:HIS:HB3	17	3.17
(1,684)	1:B:86:LYS:HD3	1:A:87:HIS:HB3	17	3.17
(1,684)	1:B:86:LYS:HD3	1:B:87:HIS:HB3	17	3.17
(1,408)	1:A:64:ALA:HA	1:A:67:LYS:HG2	1	3.17
(1,408)	1:A:64:ALA:HA	1:B:67:LYS:HG2	1	3.17
(1,408)	1:B:64:ALA:HA	1:A:67:LYS:HG2	1	3.17
(1,408)	1:B:64:ALA:HA	1:B:67:LYS:HG2	1	3.17
(1,408)	1:A:64:ALA:HA	1:A:67:LYS:HG2	5	3.17
(1,408)	1:A:64:ALA:HA	1:B:67:LYS:HG2	5	3.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:B:64:ALA:HA	1:A:67:LYS:HG2	5	3.17
(1,408)	1:B:64:ALA:HA	1:B:67:LYS:HG2	5	3.17
(1,929)	1:A:71:ARG:N	1:A:67:LYS:O	6	3.16
(1,929)	1:A:71:ARG:N	1:B:67:LYS:O	6	3.16
(1,929)	1:B:71:ARG:N	1:A:67:LYS:O	6	3.16
(1,929)	1:B:71:ARG:N	1:B:67:LYS:O	6	3.16
(1,848)	1:A:90:ASN:HD21	1:A:66:LYS:HE2	19	3.16
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE2	19	3.16
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE3	19	3.16
(1,848)	1:A:90:ASN:HD22	1:A:66:LYS:HE2	19	3.16
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE2	19	3.16
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE3	19	3.16
(1,848)	1:B:90:ASN:HD21	1:A:66:LYS:HE2	19	3.16
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE2	19	3.16
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE3	19	3.16
(1,848)	1:B:90:ASN:HD22	1:A:66:LYS:HE2	19	3.16
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE2	19	3.16
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE3	19	3.16
(1,802)	1:A:81:LEU:HB2	1:A:60:LEU:HD11	8	3.16
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD11	8	3.16
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD12	8	3.16
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD13	8	3.16
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD21	8	3.16
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD22	8	3.16
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD23	8	3.16
(1,802)	1:A:81:LEU:HB3	1:A:60:LEU:HD11	8	3.16
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD11	8	3.16
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD12	8	3.16
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD13	8	3.16
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD21	8	3.16
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD22	8	3.16
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD23	8	3.16
(1,802)	1:B:81:LEU:HB2	1:A:60:LEU:HD11	8	3.16
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD11	8	3.16
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD12	8	3.16
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD13	8	3.16
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD21	8	3.16
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD22	8	3.16
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD23	8	3.16
(1,802)	1:B:81:LEU:HB3	1:A:60:LEU:HD11	8	3.16
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD11	8	3.16
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD12	8	3.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD13	8	3.16
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD21	8	3.16
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD22	8	3.16
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD23	8	3.16
(1,585)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	8	3.16
(1,585)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	8	3.16
(1,585)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	8	3.16
(1,585)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	8	3.16
(1,510)	1:A:79:ASP:H	1:A:54:LEU:HG	19	3.16
(1,510)	1:A:79:ASP:H	1:B:54:LEU:HG	19	3.16
(1,510)	1:B:79:ASP:H	1:A:54:LEU:HG	19	3.16
(1,510)	1:B:79:ASP:H	1:B:54:LEU:HG	19	3.16
(1,929)	1:A:71:ARG:N	1:A:67:LYS:O	7	3.15
(1,929)	1:A:71:ARG:N	1:B:67:LYS:O	7	3.15
(1,929)	1:B:71:ARG:N	1:A:67:LYS:O	7	3.15
(1,929)	1:B:71:ARG:N	1:B:67:LYS:O	7	3.15
(1,835)	1:A:87:HIS:HD1	1:A:67:LYS:HD2	18	3.15
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD2	18	3.15
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD3	18	3.15
(1,835)	1:A:87:HIS:HD2	1:A:67:LYS:HD2	18	3.15
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD2	18	3.15
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD3	18	3.15
(1,835)	1:B:87:HIS:HD1	1:A:67:LYS:HD2	18	3.15
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD2	18	3.15
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD3	18	3.15
(1,835)	1:B:87:HIS:HD2	1:A:67:LYS:HD2	18	3.15
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD2	18	3.15
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD3	18	3.15
(1,813)	1:A:85:VAL:H	1:A:60:LEU:HD11	6	3.15
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD11	6	3.15
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD12	6	3.15
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD13	6	3.15
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD21	6	3.15
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD22	6	3.15
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD23	6	3.15
(1,813)	1:B:85:VAL:H	1:A:60:LEU:HD11	6	3.15
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD11	6	3.15
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD12	6	3.15
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD13	6	3.15
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD21	6	3.15
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD22	6	3.15
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD23	6	3.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,688)	1:A:86:LYS:HD3	1:A:87:HIS:HB2	15	3.15
(1,688)	1:A:86:LYS:HD3	1:B:87:HIS:HB2	15	3.15
(1,688)	1:B:86:LYS:HD3	1:A:87:HIS:HB2	15	3.15
(1,688)	1:B:86:LYS:HD3	1:B:87:HIS:HB2	15	3.15
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	19	3.15
(1,687)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	19	3.15
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	19	3.15
(1,687)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	19	3.15
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	19	3.15
(1,687)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	19	3.15
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	19	3.15
(1,687)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	19	3.15
(1,671)	1:A:92:GLN:HG2	1:A:83:MET:HG3	20	3.15
(1,671)	1:A:92:GLN:HG2	1:B:83:MET:HG3	20	3.15
(1,671)	1:A:92:GLN:HG3	1:A:83:MET:HG3	20	3.15
(1,671)	1:A:92:GLN:HG3	1:B:83:MET:HG3	20	3.15
(1,671)	1:B:92:GLN:HG2	1:A:83:MET:HG3	20	3.15
(1,671)	1:B:92:GLN:HG2	1:B:83:MET:HG3	20	3.15
(1,671)	1:B:92:GLN:HG3	1:A:83:MET:HG3	20	3.15
(1,671)	1:B:92:GLN:HG3	1:B:83:MET:HG3	20	3.15
(1,929)	1:A:71:ARG:N	1:A:67:LYS:O	19	3.14
(1,929)	1:A:71:ARG:N	1:B:67:LYS:O	19	3.14
(1,929)	1:B:71:ARG:N	1:A:67:LYS:O	19	3.14
(1,929)	1:B:71:ARG:N	1:B:67:LYS:O	19	3.14
(1,355)	1:A:65:LEU:HA	1:A:68:ASP:H	5	3.14
(1,355)	1:A:65:LEU:HA	1:B:68:ASP:H	5	3.14
(1,355)	1:B:65:LEU:HA	1:A:68:ASP:H	5	3.14
(1,355)	1:B:65:LEU:HA	1:B:68:ASP:H	5	3.14
(1,848)	1:A:90:ASN:HD21	1:A:66:LYS:HE2	17	3.13
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE2	17	3.13
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE3	17	3.13
(1,848)	1:A:90:ASN:HD22	1:A:66:LYS:HE2	17	3.13
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE2	17	3.13
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE3	17	3.13
(1,848)	1:B:90:ASN:HD21	1:A:66:LYS:HE2	17	3.13
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE2	17	3.13
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE3	17	3.13
(1,848)	1:B:90:ASN:HD22	1:A:66:LYS:HE2	17	3.13
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE2	17	3.13
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE3	17	3.13
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	14	3.13
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	14	3.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	14	3.13
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	14	3.13
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	14	3.13
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	14	3.13
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	14	3.13
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	14	3.13
(1,510)	1:A:79:ASP:H	1:A:54:LEU:HG	10	3.13
(1,510)	1:A:79:ASP:H	1:B:54:LEU:HG	10	3.13
(1,510)	1:B:79:ASP:H	1:A:54:LEU:HG	10	3.13
(1,510)	1:B:79:ASP:H	1:B:54:LEU:HG	10	3.13
(1,415)	1:A:86:LYS:HD3	1:A:84:THR:HB	3	3.13
(1,415)	1:A:86:LYS:HD3	1:B:84:THR:HB	3	3.13
(1,415)	1:B:86:LYS:HD3	1:A:84:THR:HB	3	3.13
(1,415)	1:B:86:LYS:HD3	1:B:84:THR:HB	3	3.13
(1,308)	1:A:90:ASN:H	1:A:65:LEU:HG	9	3.13
(1,308)	1:A:90:ASN:H	1:B:65:LEU:HG	9	3.13
(1,308)	1:B:90:ASN:H	1:A:65:LEU:HG	9	3.13
(1,308)	1:B:90:ASN:H	1:B:65:LEU:HG	9	3.13
(1,355)	1:A:65:LEU:HA	1:A:68:ASP:H	7	3.12
(1,355)	1:A:65:LEU:HA	1:B:68:ASP:H	7	3.12
(1,355)	1:B:65:LEU:HA	1:A:68:ASP:H	7	3.12
(1,355)	1:B:65:LEU:HA	1:B:68:ASP:H	7	3.12
(1,809)	1:A:84:THR:H	1:A:60:LEU:HD11	6	3.11
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD11	6	3.11
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD12	6	3.11
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD13	6	3.11
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD21	6	3.11
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD22	6	3.11
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD23	6	3.11
(1,809)	1:B:84:THR:H	1:A:60:LEU:HD11	6	3.11
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD11	6	3.11
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD12	6	3.11
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD13	6	3.11
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD21	6	3.11
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD22	6	3.11
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD23	6	3.11
(1,671)	1:A:92:GLN:HG2	1:A:83:MET:HG3	2	3.11
(1,671)	1:A:92:GLN:HG2	1:B:83:MET:HG3	2	3.11
(1,671)	1:A:92:GLN:HG3	1:A:83:MET:HG3	2	3.11
(1,671)	1:A:92:GLN:HG3	1:B:83:MET:HG3	2	3.11
(1,671)	1:B:92:GLN:HG2	1:A:83:MET:HG3	2	3.11
(1,671)	1:B:92:GLN:HG2	1:B:83:MET:HG3	2	3.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,671)	1:B:92:GLN:HG3	1:A:83:MET:HG3	2	3.11
(1,671)	1:B:92:GLN:HG3	1:B:83:MET:HG3	2	3.11
(1,671)	1:A:92:GLN:HG2	1:A:83:MET:HG3	14	3.11
(1,671)	1:A:92:GLN:HG2	1:B:83:MET:HG3	14	3.11
(1,671)	1:A:92:GLN:HG3	1:A:83:MET:HG3	14	3.11
(1,671)	1:A:92:GLN:HG3	1:B:83:MET:HG3	14	3.11
(1,671)	1:B:92:GLN:HG2	1:A:83:MET:HG3	14	3.11
(1,671)	1:B:92:GLN:HG2	1:B:83:MET:HG3	14	3.11
(1,671)	1:B:92:GLN:HG3	1:A:83:MET:HG3	14	3.11
(1,671)	1:B:92:GLN:HG3	1:B:83:MET:HG3	14	3.11
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD11	19	3.1
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD12	19	3.1
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD13	19	3.1
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD21	19	3.1
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD22	19	3.1
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD23	19	3.1
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD11	19	3.1
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD12	19	3.1
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD13	19	3.1
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD21	19	3.1
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD22	19	3.1
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD23	19	3.1
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD11	19	3.1
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD12	19	3.1
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD13	19	3.1
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD21	19	3.1
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD22	19	3.1
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD23	19	3.1
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD11	19	3.1
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD12	19	3.1
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD13	19	3.1
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD21	19	3.1
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD22	19	3.1
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD23	19	3.1
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD11	19	3.1
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD12	19	3.1
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD13	19	3.1
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD21	19	3.1
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD22	19	3.1
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD23	19	3.1
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD11	19	3.1
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD12	19	3.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD13	19	3.1
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD21	19	3.1
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD22	19	3.1
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD23	19	3.1
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD11	19	3.1
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD12	19	3.1
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD13	19	3.1
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD21	19	3.1
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD22	19	3.1
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD23	19	3.1
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD11	19	3.1
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD12	19	3.1
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD13	19	3.1
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD21	19	3.1
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD22	19	3.1
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD23	19	3.1
(1,684)	1:A:86:LYS:HD3	1:A:87:HIS:HB3	10	3.1
(1,684)	1:A:86:LYS:HD3	1:B:87:HIS:HB3	10	3.1
(1,684)	1:B:86:LYS:HD3	1:A:87:HIS:HB3	10	3.1
(1,684)	1:B:86:LYS:HD3	1:B:87:HIS:HB3	10	3.1
(1,246)	1:A:81:LEU:H	1:A:56:GLN:HE22	2	3.1
(1,246)	1:A:81:LEU:H	1:B:56:GLN:HE22	2	3.1
(1,246)	1:B:81:LEU:H	1:A:56:GLN:HE22	2	3.1
(1,246)	1:B:81:LEU:H	1:B:56:GLN:HE22	2	3.1
(1,789)	1:A:66:LYS:HA	1:A:69:SER:HG	20	3.09
(1,789)	1:A:66:LYS:HA	1:B:69:SER:HG	20	3.09
(1,789)	1:B:66:LYS:HA	1:A:69:SER:HG	20	3.09
(1,789)	1:B:66:LYS:HA	1:B:69:SER:HG	20	3.09
(1,929)	1:A:71:ARG:N	1:A:67:LYS:O	2	3.08
(1,929)	1:A:71:ARG:N	1:B:67:LYS:O	2	3.08
(1,929)	1:B:71:ARG:N	1:A:67:LYS:O	2	3.08
(1,929)	1:B:71:ARG:N	1:B:67:LYS:O	2	3.08
(1,811)	1:A:84:THR:HB	1:A:60:LEU:HD11	11	3.08
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD11	11	3.08
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD12	11	3.08
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD13	11	3.08
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD21	11	3.08
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD22	11	3.08
(1,811)	1:A:84:THR:HB	1:B:60:LEU:HD23	11	3.08
(1,811)	1:B:84:THR:HB	1:A:60:LEU:HD11	11	3.08
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD11	11	3.08
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD12	11	3.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD13	11	3.08
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD21	11	3.08
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD22	11	3.08
(1,811)	1:B:84:THR:HB	1:B:60:LEU:HD23	11	3.08
(1,688)	1:A:86:LYS:HD3	1:A:87:HIS:HB2	5	3.08
(1,688)	1:A:86:LYS:HD3	1:B:87:HIS:HB2	5	3.08
(1,688)	1:B:86:LYS:HD3	1:A:87:HIS:HB2	5	3.08
(1,688)	1:B:86:LYS:HD3	1:B:87:HIS:HB2	5	3.08
(1,671)	1:A:92:GLN:HG2	1:A:83:MET:HG3	12	3.08
(1,671)	1:A:92:GLN:HG2	1:B:83:MET:HG3	12	3.08
(1,671)	1:A:92:GLN:HG3	1:A:83:MET:HG3	12	3.08
(1,671)	1:A:92:GLN:HG3	1:B:83:MET:HG3	12	3.08
(1,671)	1:B:92:GLN:HG2	1:A:83:MET:HG3	12	3.08
(1,671)	1:B:92:GLN:HG2	1:B:83:MET:HG3	12	3.08
(1,671)	1:B:92:GLN:HG3	1:A:83:MET:HG3	12	3.08
(1,671)	1:B:92:GLN:HG3	1:B:83:MET:HG3	12	3.08
(1,929)	1:A:71:ARG:N	1:A:67:LYS:O	5	3.07
(1,929)	1:A:71:ARG:N	1:B:67:LYS:O	5	3.07
(1,929)	1:B:71:ARG:N	1:A:67:LYS:O	5	3.07
(1,929)	1:B:71:ARG:N	1:B:67:LYS:O	5	3.07
(1,408)	1:A:64:ALA:HA	1:A:67:LYS:HG2	20	3.07
(1,408)	1:A:64:ALA:HA	1:B:67:LYS:HG2	20	3.07
(1,408)	1:B:64:ALA:HA	1:A:67:LYS:HG2	20	3.07
(1,408)	1:B:64:ALA:HA	1:B:67:LYS:HG2	20	3.07
(1,355)	1:A:65:LEU:HA	1:A:68:ASP:H	13	3.07
(1,355)	1:A:65:LEU:HA	1:B:68:ASP:H	13	3.07
(1,355)	1:B:65:LEU:HA	1:A:68:ASP:H	13	3.07
(1,355)	1:B:65:LEU:HA	1:B:68:ASP:H	13	3.07
(1,246)	1:A:81:LEU:H	1:A:56:GLN:HE22	19	3.07
(1,246)	1:A:81:LEU:H	1:B:56:GLN:HE22	19	3.07
(1,246)	1:B:81:LEU:H	1:A:56:GLN:HE22	19	3.07
(1,246)	1:B:81:LEU:H	1:B:56:GLN:HE22	19	3.07
(1,848)	1:A:90:ASN:HD21	1:A:66:LYS:HE2	7	3.06
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE2	7	3.06
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE3	7	3.06
(1,848)	1:A:90:ASN:HD22	1:A:66:LYS:HE2	7	3.06
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE2	7	3.06
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE3	7	3.06
(1,848)	1:B:90:ASN:HD21	1:A:66:LYS:HE2	7	3.06
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE2	7	3.06
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE3	7	3.06
(1,848)	1:B:90:ASN:HD22	1:A:66:LYS:HE2	7	3.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE2	7	3.06
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE3	7	3.06
(1,355)	1:A:65:LEU:HA	1:A:68:ASP:H	6	3.06
(1,355)	1:A:65:LEU:HA	1:B:68:ASP:H	6	3.06
(1,355)	1:B:65:LEU:HA	1:A:68:ASP:H	6	3.06
(1,355)	1:B:65:LEU:HA	1:B:68:ASP:H	6	3.06
(1,929)	1:A:71:ARG:N	1:A:67:LYS:O	1	3.05
(1,929)	1:A:71:ARG:N	1:B:67:LYS:O	1	3.05
(1,929)	1:B:71:ARG:N	1:A:67:LYS:O	1	3.05
(1,929)	1:B:71:ARG:N	1:B:67:LYS:O	1	3.05
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB2	6	3.05
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB3	6	3.05
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB2	6	3.05
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB3	6	3.05
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB2	6	3.05
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB3	6	3.05
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB2	6	3.05
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB3	6	3.05
(1,408)	1:A:64:ALA:HA	1:A:67:LYS:HG2	4	3.05
(1,408)	1:A:64:ALA:HA	1:B:67:LYS:HG2	4	3.05
(1,408)	1:B:64:ALA:HA	1:A:67:LYS:HG2	4	3.05
(1,408)	1:B:64:ALA:HA	1:B:67:LYS:HG2	4	3.05
(1,246)	1:A:81:LEU:H	1:A:56:GLN:HE22	14	3.05
(1,246)	1:A:81:LEU:H	1:B:56:GLN:HE22	14	3.05
(1,246)	1:B:81:LEU:H	1:A:56:GLN:HE22	14	3.05
(1,246)	1:B:81:LEU:H	1:B:56:GLN:HE22	14	3.05
(1,929)	1:A:71:ARG:N	1:A:67:LYS:O	8	3.04
(1,929)	1:A:71:ARG:N	1:B:67:LYS:O	8	3.04
(1,929)	1:B:71:ARG:N	1:A:67:LYS:O	8	3.04
(1,929)	1:B:71:ARG:N	1:B:67:LYS:O	8	3.04
(1,848)	1:A:90:ASN:HD21	1:A:66:LYS:HE2	18	3.04
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE2	18	3.04
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE3	18	3.04
(1,848)	1:A:90:ASN:HD22	1:A:66:LYS:HE2	18	3.04
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE2	18	3.04
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE3	18	3.04
(1,848)	1:B:90:ASN:HD21	1:A:66:LYS:HE2	18	3.04
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE2	18	3.04
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE3	18	3.04
(1,848)	1:B:90:ASN:HD22	1:A:66:LYS:HE2	18	3.04
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE2	18	3.04
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE3	18	3.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	3	3.04
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	3	3.04
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	3	3.04
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	3	3.04
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	3	3.04
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	3	3.04
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	3	3.04
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	3	3.04
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	3	3.04
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	3	3.04
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	3	3.04
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	3	3.04
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	3	3.04
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	3	3.04
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	3	3.04
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	3	3.04
(1,679)	1:A:92:GLN:HG2	1:A:83:MET:HG2	5	3.04
(1,679)	1:A:92:GLN:HG2	1:B:83:MET:HG2	5	3.04
(1,679)	1:A:92:GLN:HG3	1:A:83:MET:HG2	5	3.04
(1,679)	1:A:92:GLN:HG3	1:B:83:MET:HG2	5	3.04
(1,679)	1:B:92:GLN:HG2	1:A:83:MET:HG2	5	3.04
(1,679)	1:B:92:GLN:HG2	1:B:83:MET:HG2	5	3.04
(1,679)	1:B:92:GLN:HG3	1:A:83:MET:HG2	5	3.04
(1,679)	1:B:92:GLN:HG3	1:B:83:MET:HG2	5	3.04
(1,415)	1:A:86:LYS:HD3	1:A:84:THR:HB	11	3.04
(1,415)	1:A:86:LYS:HD3	1:B:84:THR:HB	11	3.04
(1,415)	1:B:86:LYS:HD3	1:A:84:THR:HB	11	3.04
(1,415)	1:B:86:LYS:HD3	1:B:84:THR:HB	11	3.04
(1,408)	1:A:64:ALA:HA	1:A:67:LYS:HG2	15	3.04
(1,408)	1:A:64:ALA:HA	1:B:67:LYS:HG2	15	3.04
(1,408)	1:B:64:ALA:HA	1:A:67:LYS:HG2	15	3.04
(1,408)	1:B:64:ALA:HA	1:B:67:LYS:HG2	15	3.04
(1,408)	1:A:64:ALA:HA	1:A:67:LYS:HG2	19	3.04
(1,408)	1:A:64:ALA:HA	1:B:67:LYS:HG2	19	3.04
(1,408)	1:B:64:ALA:HA	1:A:67:LYS:HG2	19	3.04
(1,408)	1:B:64:ALA:HA	1:B:67:LYS:HG2	19	3.04
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG21	20	3.02
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG22	20	3.02
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG23	20	3.02
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG21	20	3.02
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG22	20	3.02
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG23	20	3.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG21	20	3.02
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG22	20	3.02
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG23	20	3.02
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG21	20	3.02
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG22	20	3.02
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG23	20	3.02
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB2	14	3.02
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB3	14	3.02
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB2	14	3.02
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB3	14	3.02
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB2	14	3.02
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB3	14	3.02
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB2	14	3.02
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB3	14	3.02
(1,929)	1:A:71:ARG:N	1:A:67:LYS:O	18	3.01
(1,929)	1:A:71:ARG:N	1:B:67:LYS:O	18	3.01
(1,929)	1:B:71:ARG:N	1:A:67:LYS:O	18	3.01
(1,929)	1:B:71:ARG:N	1:B:67:LYS:O	18	3.01
(1,627)	1:A:66:LYS:HG2	1:A:67:LYS:HG2	7	3.01
(1,627)	1:A:66:LYS:HG2	1:B:67:LYS:HG2	7	3.01
(1,627)	1:B:66:LYS:HG2	1:A:67:LYS:HG2	7	3.01
(1,627)	1:B:66:LYS:HG2	1:B:67:LYS:HG2	7	3.01
(1,451)	1:A:81:LEU:HA	1:A:56:GLN:HG3	10	3.01
(1,451)	1:A:81:LEU:HA	1:B:56:GLN:HG3	10	3.01
(1,451)	1:B:81:LEU:HA	1:A:56:GLN:HG3	10	3.01
(1,451)	1:B:81:LEU:HA	1:B:56:GLN:HG3	10	3.01
(1,408)	1:A:64:ALA:HA	1:A:67:LYS:HG2	11	3.01
(1,408)	1:A:64:ALA:HA	1:B:67:LYS:HG2	11	3.01
(1,408)	1:B:64:ALA:HA	1:A:67:LYS:HG2	11	3.01
(1,408)	1:B:64:ALA:HA	1:B:67:LYS:HG2	11	3.01
(1,355)	1:A:65:LEU:HA	1:A:68:ASP:H	4	3.01
(1,355)	1:A:65:LEU:HA	1:B:68:ASP:H	4	3.01
(1,355)	1:B:65:LEU:HA	1:A:68:ASP:H	4	3.01
(1,355)	1:B:65:LEU:HA	1:B:68:ASP:H	4	3.01
(1,355)	1:A:65:LEU:HA	1:A:68:ASP:H	18	3.01
(1,355)	1:A:65:LEU:HA	1:B:68:ASP:H	18	3.01
(1,355)	1:B:65:LEU:HA	1:A:68:ASP:H	18	3.01
(1,355)	1:B:65:LEU:HA	1:B:68:ASP:H	18	3.01
(1,246)	1:A:81:LEU:H	1:A:56:GLN:HE22	9	3.01
(1,246)	1:A:81:LEU:H	1:B:56:GLN:HE22	9	3.01
(1,246)	1:B:81:LEU:H	1:A:56:GLN:HE22	9	3.01
(1,246)	1:B:81:LEU:H	1:B:56:GLN:HE22	9	3.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	1:A:90:ASN:HD21	1:A:66:LYS:HE2	2	3.0
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE2	2	3.0
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE3	2	3.0
(1,848)	1:A:90:ASN:HD22	1:A:66:LYS:HE2	2	3.0
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE2	2	3.0
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE3	2	3.0
(1,848)	1:B:90:ASN:HD21	1:A:66:LYS:HE2	2	3.0
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE2	2	3.0
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE3	2	3.0
(1,848)	1:B:90:ASN:HD22	1:A:66:LYS:HE2	2	3.0
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE2	2	3.0
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE3	2	3.0
(1,789)	1:A:66:LYS:HA	1:A:69:SER:HG	4	3.0
(1,789)	1:A:66:LYS:HA	1:B:69:SER:HG	4	3.0
(1,789)	1:B:66:LYS:HA	1:A:69:SER:HG	4	3.0
(1,789)	1:B:66:LYS:HA	1:B:69:SER:HG	4	3.0
(1,601)	1:A:64:ALA:HB1	1:A:67:LYS:HG2	10	3.0
(1,601)	1:A:64:ALA:HB1	1:B:67:LYS:HG2	10	3.0
(1,601)	1:B:64:ALA:HB1	1:A:67:LYS:HG2	10	3.0
(1,601)	1:B:64:ALA:HB1	1:B:67:LYS:HG2	10	3.0
(1,585)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	2	3.0
(1,585)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	2	3.0
(1,585)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	2	3.0
(1,585)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	2	3.0
(1,510)	1:A:79:ASP:H	1:A:54:LEU:HG	4	3.0
(1,510)	1:A:79:ASP:H	1:B:54:LEU:HG	4	3.0
(1,510)	1:B:79:ASP:H	1:A:54:LEU:HG	4	3.0
(1,510)	1:B:79:ASP:H	1:B:54:LEU:HG	4	3.0
(1,355)	1:A:65:LEU:HA	1:A:68:ASP:H	10	3.0
(1,355)	1:A:65:LEU:HA	1:B:68:ASP:H	10	3.0
(1,355)	1:B:65:LEU:HA	1:A:68:ASP:H	10	3.0
(1,355)	1:B:65:LEU:HA	1:B:68:ASP:H	10	3.0
(1,929)	1:A:71:ARG:N	1:A:67:LYS:O	11	2.99
(1,929)	1:A:71:ARG:N	1:B:67:LYS:O	11	2.99
(1,929)	1:B:71:ARG:N	1:A:67:LYS:O	11	2.99
(1,929)	1:B:71:ARG:N	1:B:67:LYS:O	11	2.99
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG21	10	2.99
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG22	10	2.99
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG23	10	2.99
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG21	10	2.99
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG22	10	2.99
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG23	10	2.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG21	10	2.99
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG22	10	2.99
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG23	10	2.99
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG21	10	2.99
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG22	10	2.99
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG23	10	2.99
(1,603)	1:A:64:ALA:HB2	1:A:67:LYS:HG2	18	2.99
(1,603)	1:A:64:ALA:HB2	1:B:67:LYS:HG2	18	2.99
(1,603)	1:B:64:ALA:HB2	1:A:67:LYS:HG2	18	2.99
(1,603)	1:B:64:ALA:HB2	1:B:67:LYS:HG2	18	2.99
(1,355)	1:A:65:LEU:HA	1:A:68:ASP:H	8	2.99
(1,355)	1:A:65:LEU:HA	1:B:68:ASP:H	8	2.99
(1,355)	1:B:65:LEU:HA	1:A:68:ASP:H	8	2.99
(1,355)	1:B:65:LEU:HA	1:B:68:ASP:H	8	2.99
(1,585)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	14	2.98
(1,585)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	14	2.98
(1,585)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	14	2.98
(1,585)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	14	2.98
(1,447)	1:A:81:LEU:HA	1:A:56:GLN:HG2	1	2.98
(1,447)	1:A:81:LEU:HA	1:B:56:GLN:HG2	1	2.98
(1,447)	1:B:81:LEU:HA	1:A:56:GLN:HG2	1	2.98
(1,447)	1:B:81:LEU:HA	1:B:56:GLN:HG2	1	2.98
(1,938)	1:A:76:GLU:N	1:A:72:HIS:O	8	2.97
(1,938)	1:A:76:GLU:N	1:B:72:HIS:O	8	2.97
(1,938)	1:B:76:GLU:N	1:A:72:HIS:O	8	2.97
(1,938)	1:B:76:GLU:N	1:B:72:HIS:O	8	2.97
(1,802)	1:A:81:LEU:HB2	1:A:60:LEU:HD11	5	2.97
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD11	5	2.97
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD12	5	2.97
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD13	5	2.97
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD21	5	2.97
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD22	5	2.97
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD23	5	2.97
(1,802)	1:A:81:LEU:HB3	1:A:60:LEU:HD11	5	2.97
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD11	5	2.97
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD12	5	2.97
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD13	5	2.97
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD21	5	2.97
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD22	5	2.97
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD23	5	2.97
(1,802)	1:B:81:LEU:HB2	1:A:60:LEU:HD11	5	2.97
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD11	5	2.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD12	5	2.97
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD13	5	2.97
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD21	5	2.97
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD22	5	2.97
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD23	5	2.97
(1,802)	1:B:81:LEU:HB3	1:A:60:LEU:HD11	5	2.97
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD11	5	2.97
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD12	5	2.97
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD13	5	2.97
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD21	5	2.97
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD22	5	2.97
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD23	5	2.97
(1,688)	1:A:86:LYS:HD3	1:A:87:HIS:HB2	16	2.97
(1,688)	1:A:86:LYS:HD3	1:B:87:HIS:HB2	16	2.97
(1,688)	1:B:86:LYS:HD3	1:A:87:HIS:HB2	16	2.97
(1,688)	1:B:86:LYS:HD3	1:B:87:HIS:HB2	16	2.97
(1,601)	1:A:64:ALA:HB1	1:A:67:LYS:HG2	8	2.97
(1,601)	1:A:64:ALA:HB1	1:B:67:LYS:HG2	8	2.97
(1,601)	1:B:64:ALA:HB1	1:A:67:LYS:HG2	8	2.97
(1,601)	1:B:64:ALA:HB1	1:B:67:LYS:HG2	8	2.97
(1,308)	1:A:90:ASN:H	1:A:65:LEU:HG	7	2.97
(1,308)	1:A:90:ASN:H	1:B:65:LEU:HG	7	2.97
(1,308)	1:B:90:ASN:H	1:A:65:LEU:HG	7	2.97
(1,308)	1:B:90:ASN:H	1:B:65:LEU:HG	7	2.97
(1,835)	1:A:87:HIS:HD1	1:A:67:LYS:HD2	7	2.96
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD2	7	2.96
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD3	7	2.96
(1,835)	1:A:87:HIS:HD2	1:A:67:LYS:HD2	7	2.96
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD2	7	2.96
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD3	7	2.96
(1,835)	1:B:87:HIS:HD1	1:A:67:LYS:HD2	7	2.96
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD2	7	2.96
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD3	7	2.96
(1,835)	1:B:87:HIS:HD2	1:A:67:LYS:HD2	7	2.96
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD2	7	2.96
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD3	7	2.96
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG21	17	2.96
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG22	17	2.96
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG23	17	2.96
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG21	17	2.96
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG22	17	2.96
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG23	17	2.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG21	17	2.96
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG22	17	2.96
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG23	17	2.96
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG21	17	2.96
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG22	17	2.96
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG23	17	2.96
(1,809)	1:A:84:THR:H	1:A:60:LEU:HD11	5	2.96
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD11	5	2.96
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD12	5	2.96
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD13	5	2.96
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD21	5	2.96
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD22	5	2.96
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD23	5	2.96
(1,809)	1:B:84:THR:H	1:A:60:LEU:HD11	5	2.96
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD11	5	2.96
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD12	5	2.96
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD13	5	2.96
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD21	5	2.96
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD22	5	2.96
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD23	5	2.96
(1,671)	1:A:92:GLN:HG2	1:A:83:MET:HG3	11	2.96
(1,671)	1:A:92:GLN:HG2	1:B:83:MET:HG3	11	2.96
(1,671)	1:A:92:GLN:HG3	1:A:83:MET:HG3	11	2.96
(1,671)	1:A:92:GLN:HG3	1:B:83:MET:HG3	11	2.96
(1,671)	1:B:92:GLN:HG2	1:A:83:MET:HG3	11	2.96
(1,671)	1:B:92:GLN:HG2	1:B:83:MET:HG3	11	2.96
(1,671)	1:B:92:GLN:HG3	1:A:83:MET:HG3	11	2.96
(1,671)	1:B:92:GLN:HG3	1:B:83:MET:HG3	11	2.96
(1,415)	1:A:86:LYS:HD3	1:A:84:THR:HB	4	2.96
(1,415)	1:A:86:LYS:HD3	1:B:84:THR:HB	4	2.96
(1,415)	1:B:86:LYS:HD3	1:A:84:THR:HB	4	2.96
(1,415)	1:B:86:LYS:HD3	1:B:84:THR:HB	4	2.96
(1,408)	1:A:64:ALA:HA	1:A:67:LYS:HG2	6	2.96
(1,408)	1:A:64:ALA:HA	1:B:67:LYS:HG2	6	2.96
(1,408)	1:B:64:ALA:HA	1:A:67:LYS:HG2	6	2.96
(1,408)	1:B:64:ALA:HA	1:B:67:LYS:HG2	6	2.96
(1,929)	1:A:71:ARG:N	1:A:67:LYS:O	20	2.95
(1,929)	1:A:71:ARG:N	1:B:67:LYS:O	20	2.95
(1,929)	1:B:71:ARG:N	1:A:67:LYS:O	20	2.95
(1,929)	1:B:71:ARG:N	1:B:67:LYS:O	20	2.95
(1,835)	1:A:87:HIS:HD1	1:A:67:LYS:HD2	1	2.95
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD2	1	2.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD3	1	2.95
(1,835)	1:A:87:HIS:HD2	1:A:67:LYS:HD2	1	2.95
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD2	1	2.95
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD3	1	2.95
(1,835)	1:B:87:HIS:HD1	1:A:67:LYS:HD2	1	2.95
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD2	1	2.95
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD3	1	2.95
(1,835)	1:B:87:HIS:HD2	1:A:67:LYS:HD2	1	2.95
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD2	1	2.95
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD3	1	2.95
(1,802)	1:A:81:LEU:HB2	1:A:60:LEU:HD11	9	2.95
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD11	9	2.95
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD12	9	2.95
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD13	9	2.95
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD21	9	2.95
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD22	9	2.95
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD23	9	2.95
(1,802)	1:A:81:LEU:HB3	1:A:60:LEU:HD11	9	2.95
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD11	9	2.95
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD12	9	2.95
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD13	9	2.95
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD21	9	2.95
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD22	9	2.95
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD23	9	2.95
(1,802)	1:B:81:LEU:HB2	1:A:60:LEU:HD11	9	2.95
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD11	9	2.95
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD12	9	2.95
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD13	9	2.95
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD21	9	2.95
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD22	9	2.95
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD23	9	2.95
(1,802)	1:B:81:LEU:HB3	1:A:60:LEU:HD11	9	2.95
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD11	9	2.95
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD12	9	2.95
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD13	9	2.95
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD21	9	2.95
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD22	9	2.95
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD23	9	2.95
(1,802)	1:A:81:LEU:HB2	1:A:60:LEU:HD11	13	2.95
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD11	13	2.95
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD12	13	2.95
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD13	13	2.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD21	13	2.95
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD22	13	2.95
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD23	13	2.95
(1,802)	1:A:81:LEU:HB3	1:A:60:LEU:HD11	13	2.95
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD11	13	2.95
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD12	13	2.95
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD13	13	2.95
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD21	13	2.95
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD22	13	2.95
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD23	13	2.95
(1,802)	1:B:81:LEU:HB2	1:A:60:LEU:HD11	13	2.95
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD11	13	2.95
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD12	13	2.95
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD13	13	2.95
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD21	13	2.95
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD22	13	2.95
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD23	13	2.95
(1,802)	1:B:81:LEU:HB3	1:A:60:LEU:HD11	13	2.95
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD11	13	2.95
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD12	13	2.95
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD13	13	2.95
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD21	13	2.95
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD22	13	2.95
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD23	13	2.95
(1,785)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	2	2.95
(1,785)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	2	2.95
(1,785)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	2	2.95
(1,785)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	2	2.95
(1,785)	1:A:64:ALA:HB3	1:A:67:LYS:HG3	2	2.95
(1,785)	1:A:64:ALA:HB3	1:B:67:LYS:HG3	2	2.95
(1,785)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	2	2.95
(1,785)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	2	2.95
(1,785)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	2	2.95
(1,785)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	2	2.95
(1,785)	1:B:64:ALA:HB3	1:A:67:LYS:HG3	2	2.95
(1,785)	1:B:64:ALA:HB3	1:B:67:LYS:HG3	2	2.95
(1,355)	1:A:65:LEU:HA	1:A:68:ASP:H	15	2.95
(1,355)	1:A:65:LEU:HA	1:B:68:ASP:H	15	2.95
(1,355)	1:B:65:LEU:HA	1:A:68:ASP:H	15	2.95
(1,355)	1:B:65:LEU:HA	1:B:68:ASP:H	15	2.95
(1,929)	1:A:71:ARG:N	1:A:67:LYS:O	15	2.94
(1,929)	1:A:71:ARG:N	1:B:67:LYS:O	15	2.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,929)	1:B:71:ARG:N	1:A:67:LYS:O	15	2.94
(1,929)	1:B:71:ARG:N	1:B:67:LYS:O	15	2.94
(1,627)	1:A:66:LYS:HG2	1:A:67:LYS:HG2	18	2.94
(1,627)	1:A:66:LYS:HG2	1:B:67:LYS:HG2	18	2.94
(1,627)	1:B:66:LYS:HG2	1:A:67:LYS:HG2	18	2.94
(1,627)	1:B:66:LYS:HG2	1:B:67:LYS:HG2	18	2.94
(1,447)	1:A:81:LEU:HA	1:A:56:GLN:HG2	10	2.94
(1,447)	1:A:81:LEU:HA	1:B:56:GLN:HG2	10	2.94
(1,447)	1:B:81:LEU:HA	1:A:56:GLN:HG2	10	2.94
(1,447)	1:B:81:LEU:HA	1:B:56:GLN:HG2	10	2.94
(1,246)	1:A:81:LEU:H	1:A:56:GLN:HE22	12	2.94
(1,246)	1:A:81:LEU:H	1:B:56:GLN:HE22	12	2.94
(1,246)	1:B:81:LEU:H	1:A:56:GLN:HE22	12	2.94
(1,246)	1:B:81:LEU:H	1:B:56:GLN:HE22	12	2.94
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG21	9	2.93
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG22	9	2.93
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG23	9	2.93
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG21	9	2.93
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG22	9	2.93
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG23	9	2.93
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG21	9	2.93
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG22	9	2.93
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG23	9	2.93
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG21	9	2.93
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG22	9	2.93
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG23	9	2.93
(1,688)	1:A:86:LYS:HD3	1:A:87:HIS:HB2	14	2.93
(1,688)	1:A:86:LYS:HD3	1:B:87:HIS:HB2	14	2.93
(1,688)	1:B:86:LYS:HD3	1:A:87:HIS:HB2	14	2.93
(1,688)	1:B:86:LYS:HD3	1:B:87:HIS:HB2	14	2.93
(1,602)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	9	2.93
(1,602)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	9	2.93
(1,602)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	9	2.93
(1,602)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	9	2.93
(1,408)	1:A:64:ALA:HA	1:A:67:LYS:HG2	7	2.93
(1,408)	1:A:64:ALA:HA	1:B:67:LYS:HG2	7	2.93
(1,408)	1:B:64:ALA:HA	1:A:67:LYS:HG2	7	2.93
(1,408)	1:B:64:ALA:HA	1:B:67:LYS:HG2	7	2.93
(1,929)	1:A:71:ARG:N	1:A:67:LYS:O	10	2.92
(1,929)	1:A:71:ARG:N	1:B:67:LYS:O	10	2.92
(1,929)	1:B:71:ARG:N	1:A:67:LYS:O	10	2.92
(1,929)	1:B:71:ARG:N	1:B:67:LYS:O	10	2.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG21	7	2.92
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG22	7	2.92
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG23	7	2.92
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG21	7	2.92
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG22	7	2.92
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG23	7	2.92
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG21	7	2.92
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG22	7	2.92
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG23	7	2.92
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG21	7	2.92
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG22	7	2.92
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG23	7	2.92
(1,627)	1:A:66:LYS:HG2	1:A:67:LYS:HG2	15	2.92
(1,627)	1:A:66:LYS:HG2	1:B:67:LYS:HG2	15	2.92
(1,627)	1:B:66:LYS:HG2	1:A:67:LYS:HG2	15	2.92
(1,627)	1:B:66:LYS:HG2	1:B:67:LYS:HG2	15	2.92
(1,308)	1:A:90:ASN:H	1:A:65:LEU:HG	11	2.92
(1,308)	1:A:90:ASN:H	1:B:65:LEU:HG	11	2.92
(1,308)	1:B:90:ASN:H	1:A:65:LEU:HG	11	2.92
(1,308)	1:B:90:ASN:H	1:B:65:LEU:HG	11	2.92
(1,938)	1:A:76:GLU:N	1:A:72:HIS:O	20	2.91
(1,938)	1:A:76:GLU:N	1:B:72:HIS:O	20	2.91
(1,938)	1:B:76:GLU:N	1:A:72:HIS:O	20	2.91
(1,938)	1:B:76:GLU:N	1:B:72:HIS:O	20	2.91
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD11	12	2.91
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD12	12	2.91
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD13	12	2.91
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD21	12	2.91
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD22	12	2.91
(1,842)	1:A:87:HIS:HD1	1:A:75:LEU:HD23	12	2.91
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD11	12	2.91
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD12	12	2.91
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD13	12	2.91
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD21	12	2.91
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD22	12	2.91
(1,842)	1:A:87:HIS:HD1	1:B:75:LEU:HD23	12	2.91
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD11	12	2.91
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD12	12	2.91
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD13	12	2.91
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD21	12	2.91
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD22	12	2.91
(1,842)	1:A:87:HIS:HD2	1:A:75:LEU:HD23	12	2.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD11	12	2.91
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD12	12	2.91
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD13	12	2.91
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD21	12	2.91
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD22	12	2.91
(1,842)	1:A:87:HIS:HD2	1:B:75:LEU:HD23	12	2.91
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD11	12	2.91
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD12	12	2.91
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD13	12	2.91
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD21	12	2.91
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD22	12	2.91
(1,842)	1:B:87:HIS:HD1	1:A:75:LEU:HD23	12	2.91
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD11	12	2.91
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD12	12	2.91
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD13	12	2.91
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD21	12	2.91
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD22	12	2.91
(1,842)	1:B:87:HIS:HD1	1:B:75:LEU:HD23	12	2.91
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD11	12	2.91
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD12	12	2.91
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD13	12	2.91
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD21	12	2.91
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD22	12	2.91
(1,842)	1:B:87:HIS:HD2	1:A:75:LEU:HD23	12	2.91
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD11	12	2.91
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD12	12	2.91
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD13	12	2.91
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD21	12	2.91
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD22	12	2.91
(1,842)	1:B:87:HIS:HD2	1:B:75:LEU:HD23	12	2.91
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG21	5	2.91
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG22	5	2.91
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG23	5	2.91
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG21	5	2.91
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG22	5	2.91
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG23	5	2.91
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG21	5	2.91
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG22	5	2.91
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG23	5	2.91
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG21	5	2.91
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG22	5	2.91
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG23	5	2.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG21	6	2.91
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG22	6	2.91
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG23	6	2.91
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG21	6	2.91
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG22	6	2.91
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG23	6	2.91
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG21	6	2.91
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG22	6	2.91
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG23	6	2.91
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG21	6	2.91
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG22	6	2.91
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG23	6	2.91
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG21	13	2.91
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG22	13	2.91
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG23	13	2.91
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG21	13	2.91
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG22	13	2.91
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG23	13	2.91
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG21	13	2.91
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG22	13	2.91
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG23	13	2.91
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG21	13	2.91
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG22	13	2.91
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG23	13	2.91
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG21	14	2.91
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG22	14	2.91
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG23	14	2.91
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG21	14	2.91
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG22	14	2.91
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG23	14	2.91
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG21	14	2.91
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG22	14	2.91
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG23	14	2.91
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG21	14	2.91
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG22	14	2.91
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG23	14	2.91
(1,802)	1:A:81:LEU:HB2	1:A:60:LEU:HD11	3	2.91
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD11	3	2.91
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD12	3	2.91
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD13	3	2.91
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD21	3	2.91
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD22	3	2.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD23	3	2.91
(1,802)	1:A:81:LEU:HB3	1:A:60:LEU:HD11	3	2.91
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD11	3	2.91
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD12	3	2.91
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD13	3	2.91
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD21	3	2.91
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD22	3	2.91
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD23	3	2.91
(1,802)	1:B:81:LEU:HB2	1:A:60:LEU:HD11	3	2.91
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD11	3	2.91
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD12	3	2.91
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD13	3	2.91
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD21	3	2.91
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD22	3	2.91
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD23	3	2.91
(1,802)	1:B:81:LEU:HB3	1:A:60:LEU:HD11	3	2.91
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD11	3	2.91
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD12	3	2.91
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD13	3	2.91
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD21	3	2.91
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD22	3	2.91
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD23	3	2.91
(1,308)	1:A:90:ASN:H	1:A:65:LEU:HG	16	2.91
(1,308)	1:A:90:ASN:H	1:B:65:LEU:HG	16	2.91
(1,308)	1:B:90:ASN:H	1:A:65:LEU:HG	16	2.91
(1,308)	1:B:90:ASN:H	1:B:65:LEU:HG	16	2.91
(1,308)	1:A:90:ASN:H	1:A:65:LEU:HG	18	2.91
(1,308)	1:A:90:ASN:H	1:B:65:LEU:HG	18	2.91
(1,308)	1:B:90:ASN:H	1:A:65:LEU:HG	18	2.91
(1,308)	1:B:90:ASN:H	1:B:65:LEU:HG	18	2.91
(1,929)	1:A:71:ARG:N	1:A:67:LYS:O	14	2.9
(1,929)	1:A:71:ARG:N	1:B:67:LYS:O	14	2.9
(1,929)	1:B:71:ARG:N	1:A:67:LYS:O	14	2.9
(1,929)	1:B:71:ARG:N	1:B:67:LYS:O	14	2.9
(1,585)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	18	2.9
(1,585)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	18	2.9
(1,585)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	18	2.9
(1,585)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	18	2.9
(1,447)	1:A:81:LEU:HA	1:A:56:GLN:HG2	6	2.9
(1,447)	1:A:81:LEU:HA	1:B:56:GLN:HG2	6	2.9
(1,447)	1:B:81:LEU:HA	1:A:56:GLN:HG2	6	2.9
(1,447)	1:B:81:LEU:HA	1:B:56:GLN:HG2	6	2.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:A:64:ALA:HA	1:A:67:LYS:HG2	18	2.9
(1,408)	1:A:64:ALA:HA	1:B:67:LYS:HG2	18	2.9
(1,408)	1:B:64:ALA:HA	1:A:67:LYS:HG2	18	2.9
(1,408)	1:B:64:ALA:HA	1:B:67:LYS:HG2	18	2.9
(1,929)	1:A:71:ARG:N	1:A:67:LYS:O	16	2.89
(1,929)	1:A:71:ARG:N	1:B:67:LYS:O	16	2.89
(1,929)	1:B:71:ARG:N	1:A:67:LYS:O	16	2.89
(1,929)	1:B:71:ARG:N	1:B:67:LYS:O	16	2.89
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG21	16	2.89
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG22	16	2.89
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG23	16	2.89
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG21	16	2.89
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG22	16	2.89
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG23	16	2.89
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG21	16	2.89
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG22	16	2.89
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG23	16	2.89
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG21	16	2.89
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG22	16	2.89
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG23	16	2.89
(1,308)	1:A:90:ASN:H	1:A:65:LEU:HG	19	2.89
(1,308)	1:A:90:ASN:H	1:B:65:LEU:HG	19	2.89
(1,308)	1:B:90:ASN:H	1:A:65:LEU:HG	19	2.89
(1,308)	1:B:90:ASN:H	1:B:65:LEU:HG	19	2.89
(1,447)	1:A:81:LEU:HA	1:A:56:GLN:HG2	4	2.88
(1,447)	1:A:81:LEU:HA	1:B:56:GLN:HG2	4	2.88
(1,447)	1:B:81:LEU:HA	1:A:56:GLN:HG2	4	2.88
(1,447)	1:B:81:LEU:HA	1:B:56:GLN:HG2	4	2.88
(1,447)	1:A:81:LEU:HA	1:A:56:GLN:HG2	16	2.88
(1,447)	1:A:81:LEU:HA	1:B:56:GLN:HG2	16	2.88
(1,447)	1:B:81:LEU:HA	1:A:56:GLN:HG2	16	2.88
(1,447)	1:B:81:LEU:HA	1:B:56:GLN:HG2	16	2.88
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG21	12	2.87
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG22	12	2.87
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG23	12	2.87
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG21	12	2.87
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG22	12	2.87
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG23	12	2.87
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG21	12	2.87
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG22	12	2.87
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG23	12	2.87
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG21	12	2.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG22	12	2.87
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG23	12	2.87
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB2	20	2.87
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB3	20	2.87
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB2	20	2.87
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB3	20	2.87
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB2	20	2.87
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB3	20	2.87
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB2	20	2.87
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB3	20	2.87
(1,447)	1:A:81:LEU:HA	1:A:56:GLN:HG2	5	2.87
(1,447)	1:A:81:LEU:HA	1:B:56:GLN:HG2	5	2.87
(1,447)	1:B:81:LEU:HA	1:A:56:GLN:HG2	5	2.87
(1,447)	1:B:81:LEU:HA	1:B:56:GLN:HG2	5	2.87
(1,809)	1:A:84:THR:H	1:A:60:LEU:HD11	3	2.86
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD11	3	2.86
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD12	3	2.86
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD13	3	2.86
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD21	3	2.86
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD22	3	2.86
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD23	3	2.86
(1,809)	1:B:84:THR:H	1:A:60:LEU:HD11	3	2.86
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD11	3	2.86
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD12	3	2.86
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD13	3	2.86
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD21	3	2.86
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD22	3	2.86
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD23	3	2.86
(1,627)	1:A:66:LYS:HG2	1:A:67:LYS:HG2	12	2.86
(1,627)	1:A:66:LYS:HG2	1:B:67:LYS:HG2	12	2.86
(1,627)	1:B:66:LYS:HG2	1:A:67:LYS:HG2	12	2.86
(1,627)	1:B:66:LYS:HG2	1:B:67:LYS:HG2	12	2.86
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB2	19	2.86
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB3	19	2.86
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB2	19	2.86
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB3	19	2.86
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB2	19	2.86
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB3	19	2.86
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB2	19	2.86
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB3	19	2.86
(1,451)	1:A:81:LEU:HA	1:A:56:GLN:HG3	16	2.86
(1,451)	1:A:81:LEU:HA	1:B:56:GLN:HG3	16	2.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,451)	1:B:81:LEU:HA	1:A:56:GLN:HG3	16	2.86
(1,451)	1:B:81:LEU:HA	1:B:56:GLN:HG3	16	2.86
(1,447)	1:A:81:LEU:HA	1:A:56:GLN:HG2	7	2.86
(1,447)	1:A:81:LEU:HA	1:B:56:GLN:HG2	7	2.86
(1,447)	1:B:81:LEU:HA	1:A:56:GLN:HG2	7	2.86
(1,447)	1:B:81:LEU:HA	1:B:56:GLN:HG2	7	2.86
(1,408)	1:A:64:ALA:HA	1:A:67:LYS:HG2	14	2.86
(1,408)	1:A:64:ALA:HA	1:B:67:LYS:HG2	14	2.86
(1,408)	1:B:64:ALA:HA	1:A:67:LYS:HG2	14	2.86
(1,408)	1:B:64:ALA:HA	1:B:67:LYS:HG2	14	2.86
(1,308)	1:A:90:ASN:H	1:A:65:LEU:HG	1	2.86
(1,308)	1:A:90:ASN:H	1:B:65:LEU:HG	1	2.86
(1,308)	1:B:90:ASN:H	1:A:65:LEU:HG	1	2.86
(1,308)	1:B:90:ASN:H	1:B:65:LEU:HG	1	2.86
(1,308)	1:A:90:ASN:H	1:A:65:LEU:HG	2	2.86
(1,308)	1:A:90:ASN:H	1:B:65:LEU:HG	2	2.86
(1,308)	1:B:90:ASN:H	1:A:65:LEU:HG	2	2.86
(1,308)	1:B:90:ASN:H	1:B:65:LEU:HG	2	2.86
(1,835)	1:A:87:HIS:HD1	1:A:67:LYS:HD2	17	2.85
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD2	17	2.85
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD3	17	2.85
(1,835)	1:A:87:HIS:HD2	1:A:67:LYS:HD2	17	2.85
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD2	17	2.85
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD3	17	2.85
(1,835)	1:B:87:HIS:HD1	1:A:67:LYS:HD2	17	2.85
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD2	17	2.85
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD3	17	2.85
(1,835)	1:B:87:HIS:HD2	1:A:67:LYS:HD2	17	2.85
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD2	17	2.85
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD3	17	2.85
(1,451)	1:A:81:LEU:HA	1:A:56:GLN:HG3	1	2.85
(1,451)	1:A:81:LEU:HA	1:B:56:GLN:HG3	1	2.85
(1,451)	1:B:81:LEU:HA	1:A:56:GLN:HG3	1	2.85
(1,451)	1:B:81:LEU:HA	1:B:56:GLN:HG3	1	2.85
(1,835)	1:A:87:HIS:HD1	1:A:67:LYS:HD2	4	2.84
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD2	4	2.84
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD3	4	2.84
(1,835)	1:A:87:HIS:HD2	1:A:67:LYS:HD2	4	2.84
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD2	4	2.84
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD3	4	2.84
(1,835)	1:B:87:HIS:HD1	1:A:67:LYS:HD2	4	2.84
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD2	4	2.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD3	4	2.84
(1,835)	1:B:87:HIS:HD2	1:A:67:LYS:HD2	4	2.84
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD2	4	2.84
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD3	4	2.84
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG21	1	2.84
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG22	1	2.84
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG23	1	2.84
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG21	1	2.84
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG22	1	2.84
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG23	1	2.84
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG21	1	2.84
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG22	1	2.84
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG23	1	2.84
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG21	1	2.84
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG22	1	2.84
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG23	1	2.84
(1,809)	1:A:84:THR:H	1:A:60:LEU:HD11	9	2.84
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD11	9	2.84
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD12	9	2.84
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD13	9	2.84
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD21	9	2.84
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD22	9	2.84
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD23	9	2.84
(1,809)	1:B:84:THR:H	1:A:60:LEU:HD11	9	2.84
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD11	9	2.84
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD12	9	2.84
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD13	9	2.84
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD21	9	2.84
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD22	9	2.84
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD23	9	2.84
(1,627)	1:A:66:LYS:HG2	1:A:67:LYS:HG2	20	2.84
(1,627)	1:A:66:LYS:HG2	1:B:67:LYS:HG2	20	2.84
(1,627)	1:B:66:LYS:HG2	1:A:67:LYS:HG2	20	2.84
(1,627)	1:B:66:LYS:HG2	1:B:67:LYS:HG2	20	2.84
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB2	7	2.84
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB3	7	2.84
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB2	7	2.84
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB3	7	2.84
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB2	7	2.84
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB3	7	2.84
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB2	7	2.84
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB3	7	2.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB2	11	2.84
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB3	11	2.84
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB2	11	2.84
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB3	11	2.84
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB2	11	2.84
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB3	11	2.84
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB2	11	2.84
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB3	11	2.84
(1,451)	1:A:81:LEU:HA	1:A:56:GLN:HG3	11	2.84
(1,451)	1:A:81:LEU:HA	1:B:56:GLN:HG3	11	2.84
(1,451)	1:B:81:LEU:HA	1:A:56:GLN:HG3	11	2.84
(1,451)	1:B:81:LEU:HA	1:B:56:GLN:HG3	11	2.84
(1,938)	1:A:76:GLU:N	1:A:72:HIS:O	3	2.83
(1,938)	1:A:76:GLU:N	1:B:72:HIS:O	3	2.83
(1,938)	1:B:76:GLU:N	1:A:72:HIS:O	3	2.83
(1,938)	1:B:76:GLU:N	1:B:72:HIS:O	3	2.83
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG21	3	2.83
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG22	3	2.83
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG23	3	2.83
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG21	3	2.83
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG22	3	2.83
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG23	3	2.83
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG21	3	2.83
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG22	3	2.83
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG23	3	2.83
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG21	3	2.83
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG22	3	2.83
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG23	3	2.83
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB2	3	2.83
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB3	3	2.83
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB2	3	2.83
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB3	3	2.83
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB2	3	2.83
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB3	3	2.83
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB2	3	2.83
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB3	3	2.83
(1,447)	1:A:81:LEU:HA	1:A:56:GLN:HG2	19	2.83
(1,447)	1:A:81:LEU:HA	1:B:56:GLN:HG2	19	2.83
(1,447)	1:B:81:LEU:HA	1:A:56:GLN:HG2	19	2.83
(1,447)	1:B:81:LEU:HA	1:B:56:GLN:HG2	19	2.83
(1,214)	1:A:81:LEU:HB2	1:A:56:GLN:HE22	10	2.83
(1,214)	1:A:81:LEU:HB2	1:B:56:GLN:HE22	10	2.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:A:81:LEU:HB3	1:A:56:GLN:HE22	10	2.83
(1,214)	1:A:81:LEU:HB3	1:B:56:GLN:HE22	10	2.83
(1,214)	1:B:81:LEU:HB2	1:A:56:GLN:HE22	10	2.83
(1,214)	1:B:81:LEU:HB2	1:B:56:GLN:HE22	10	2.83
(1,214)	1:B:81:LEU:HB3	1:A:56:GLN:HE22	10	2.83
(1,214)	1:B:81:LEU:HB3	1:B:56:GLN:HE22	10	2.83
(1,585)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	13	2.82
(1,585)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	13	2.82
(1,585)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	13	2.82
(1,585)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	13	2.82
(1,214)	1:A:81:LEU:HB2	1:A:56:GLN:HE22	5	2.82
(1,214)	1:A:81:LEU:HB2	1:B:56:GLN:HE22	5	2.82
(1,214)	1:A:81:LEU:HB3	1:A:56:GLN:HE22	5	2.82
(1,214)	1:A:81:LEU:HB3	1:B:56:GLN:HE22	5	2.82
(1,214)	1:B:81:LEU:HB2	1:A:56:GLN:HE22	5	2.82
(1,214)	1:B:81:LEU:HB2	1:B:56:GLN:HE22	5	2.82
(1,214)	1:B:81:LEU:HB3	1:A:56:GLN:HE22	5	2.82
(1,214)	1:B:81:LEU:HB3	1:B:56:GLN:HE22	5	2.82
(1,602)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	14	2.81
(1,602)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	14	2.81
(1,602)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	14	2.81
(1,602)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	14	2.81
(1,451)	1:A:81:LEU:HA	1:A:56:GLN:HG3	5	2.81
(1,451)	1:A:81:LEU:HA	1:B:56:GLN:HG3	5	2.81
(1,451)	1:B:81:LEU:HA	1:A:56:GLN:HG3	5	2.81
(1,451)	1:B:81:LEU:HA	1:B:56:GLN:HG3	5	2.81
(1,451)	1:A:81:LEU:HA	1:A:56:GLN:HG3	13	2.81
(1,451)	1:A:81:LEU:HA	1:B:56:GLN:HG3	13	2.81
(1,451)	1:B:81:LEU:HA	1:A:56:GLN:HG3	13	2.81
(1,451)	1:B:81:LEU:HA	1:B:56:GLN:HG3	13	2.81
(1,447)	1:A:81:LEU:HA	1:A:56:GLN:HG2	11	2.81
(1,447)	1:A:81:LEU:HA	1:B:56:GLN:HG2	11	2.81
(1,447)	1:B:81:LEU:HA	1:A:56:GLN:HG2	11	2.81
(1,447)	1:B:81:LEU:HA	1:B:56:GLN:HG2	11	2.81
(1,447)	1:A:81:LEU:HA	1:A:56:GLN:HG2	17	2.81
(1,447)	1:A:81:LEU:HA	1:B:56:GLN:HG2	17	2.81
(1,447)	1:B:81:LEU:HA	1:A:56:GLN:HG2	17	2.81
(1,447)	1:B:81:LEU:HA	1:B:56:GLN:HG2	17	2.81
(1,355)	1:A:65:LEU:HA	1:A:68:ASP:H	17	2.81
(1,355)	1:A:65:LEU:HA	1:B:68:ASP:H	17	2.81
(1,355)	1:B:65:LEU:HA	1:A:68:ASP:H	17	2.81
(1,355)	1:B:65:LEU:HA	1:B:68:ASP:H	17	2.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG21	11	2.8
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG22	11	2.8
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG23	11	2.8
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG21	11	2.8
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG22	11	2.8
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG23	11	2.8
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG21	11	2.8
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG22	11	2.8
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG23	11	2.8
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG21	11	2.8
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG22	11	2.8
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG23	11	2.8
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG21	15	2.8
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG22	15	2.8
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG23	15	2.8
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG21	15	2.8
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG22	15	2.8
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG23	15	2.8
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG21	15	2.8
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG22	15	2.8
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG23	15	2.8
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG21	15	2.8
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG22	15	2.8
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG23	15	2.8
(1,809)	1:A:84:THR:H	1:A:60:LEU:HD11	13	2.8
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD11	13	2.8
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD12	13	2.8
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD13	13	2.8
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD21	13	2.8
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD22	13	2.8
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD23	13	2.8
(1,809)	1:B:84:THR:H	1:A:60:LEU:HD11	13	2.8
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD11	13	2.8
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD12	13	2.8
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD13	13	2.8
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD21	13	2.8
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD22	13	2.8
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD23	13	2.8
(1,688)	1:A:86:LYS:HD3	1:A:87:HIS:HB2	6	2.8
(1,688)	1:A:86:LYS:HD3	1:B:87:HIS:HB2	6	2.8
(1,688)	1:B:86:LYS:HD3	1:A:87:HIS:HB2	6	2.8
(1,688)	1:B:86:LYS:HD3	1:B:87:HIS:HB2	6	2.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD11	5	2.8
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD12	5	2.8
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD13	5	2.8
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD11	5	2.8
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD12	5	2.8
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD13	5	2.8
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD11	5	2.8
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD12	5	2.8
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD13	5	2.8
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD11	5	2.8
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD12	5	2.8
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD13	5	2.8
(1,929)	1:A:71:ARG:N	1:A:67:LYS:O	3	2.79
(1,929)	1:A:71:ARG:N	1:B:67:LYS:O	3	2.79
(1,929)	1:B:71:ARG:N	1:A:67:LYS:O	3	2.79
(1,929)	1:B:71:ARG:N	1:B:67:LYS:O	3	2.79
(1,835)	1:A:87:HIS:HD1	1:A:67:LYS:HD2	11	2.79
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD2	11	2.79
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD3	11	2.79
(1,835)	1:A:87:HIS:HD2	1:A:67:LYS:HD2	11	2.79
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD2	11	2.79
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD3	11	2.79
(1,835)	1:B:87:HIS:HD1	1:A:67:LYS:HD2	11	2.79
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD2	11	2.79
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD3	11	2.79
(1,835)	1:B:87:HIS:HD2	1:A:67:LYS:HD2	11	2.79
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD2	11	2.79
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD3	11	2.79
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG21	18	2.79
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG22	18	2.79
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG23	18	2.79
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG21	18	2.79
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG22	18	2.79
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG23	18	2.79
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG21	18	2.79
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG22	18	2.79
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG23	18	2.79
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG21	18	2.79
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG22	18	2.79
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG23	18	2.79
(1,627)	1:A:66:LYS:HG2	1:A:67:LYS:HG2	19	2.79
(1,627)	1:A:66:LYS:HG2	1:B:67:LYS:HG2	19	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,627)	1:B:66:LYS:HG2	1:A:67:LYS:HG2	19	2.79
(1,627)	1:B:66:LYS:HG2	1:B:67:LYS:HG2	19	2.79
(1,848)	1:A:90:ASN:HD21	1:A:66:LYS:HE2	15	2.78
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE2	15	2.78
(1,848)	1:A:90:ASN:HD21	1:B:66:LYS:HE3	15	2.78
(1,848)	1:A:90:ASN:HD22	1:A:66:LYS:HE2	15	2.78
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE2	15	2.78
(1,848)	1:A:90:ASN:HD22	1:B:66:LYS:HE3	15	2.78
(1,848)	1:B:90:ASN:HD21	1:A:66:LYS:HE2	15	2.78
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE2	15	2.78
(1,848)	1:B:90:ASN:HD21	1:B:66:LYS:HE3	15	2.78
(1,848)	1:B:90:ASN:HD22	1:A:66:LYS:HE2	15	2.78
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE2	15	2.78
(1,848)	1:B:90:ASN:HD22	1:B:66:LYS:HE3	15	2.78
(1,809)	1:A:84:THR:H	1:A:60:LEU:HD11	17	2.78
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD11	17	2.78
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD12	17	2.78
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD13	17	2.78
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD21	17	2.78
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD22	17	2.78
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD23	17	2.78
(1,809)	1:B:84:THR:H	1:A:60:LEU:HD11	17	2.78
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD11	17	2.78
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD12	17	2.78
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD13	17	2.78
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD21	17	2.78
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD22	17	2.78
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD23	17	2.78
(1,688)	1:A:86:LYS:HD3	1:A:87:HIS:HB2	12	2.78
(1,688)	1:A:86:LYS:HD3	1:B:87:HIS:HB2	12	2.78
(1,688)	1:B:86:LYS:HD3	1:A:87:HIS:HB2	12	2.78
(1,688)	1:B:86:LYS:HD3	1:B:87:HIS:HB2	12	2.78
(1,628)	1:A:66:LYS:HG2	1:A:67:LYS:HB2	17	2.78
(1,628)	1:A:66:LYS:HG2	1:B:67:LYS:HB2	17	2.78
(1,628)	1:B:66:LYS:HG2	1:A:67:LYS:HB2	17	2.78
(1,628)	1:B:66:LYS:HG2	1:B:67:LYS:HB2	17	2.78
(1,627)	1:A:66:LYS:HG2	1:A:67:LYS:HG2	5	2.78
(1,627)	1:A:66:LYS:HG2	1:B:67:LYS:HG2	5	2.78
(1,627)	1:B:66:LYS:HG2	1:A:67:LYS:HG2	5	2.78
(1,627)	1:B:66:LYS:HG2	1:B:67:LYS:HG2	5	2.78
(1,627)	1:A:66:LYS:HG2	1:A:67:LYS:HG2	13	2.78
(1,627)	1:A:66:LYS:HG2	1:B:67:LYS:HG2	13	2.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,627)	1:B:66:LYS:HG2	1:A:67:LYS:HG2	13	2.78
(1,627)	1:B:66:LYS:HG2	1:B:67:LYS:HG2	13	2.78
(1,237)	1:A:79:ASP:H	1:A:54:LEU:HD11	3	2.78
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD11	3	2.78
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD12	3	2.78
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD13	3	2.78
(1,237)	1:B:79:ASP:H	1:A:54:LEU:HD11	3	2.78
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD11	3	2.78
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD12	3	2.78
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD13	3	2.78
(1,237)	1:A:79:ASP:H	1:A:54:LEU:HD11	14	2.78
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD11	14	2.78
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD12	14	2.78
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD13	14	2.78
(1,237)	1:B:79:ASP:H	1:A:54:LEU:HD11	14	2.78
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD11	14	2.78
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD12	14	2.78
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD13	14	2.78
(1,214)	1:A:81:LEU:HB2	1:A:56:GLN:HE22	16	2.78
(1,214)	1:A:81:LEU:HB2	1:B:56:GLN:HE22	16	2.78
(1,214)	1:A:81:LEU:HB3	1:A:56:GLN:HE22	16	2.78
(1,214)	1:A:81:LEU:HB3	1:B:56:GLN:HE22	16	2.78
(1,214)	1:B:81:LEU:HB2	1:A:56:GLN:HE22	16	2.78
(1,214)	1:B:81:LEU:HB2	1:B:56:GLN:HE22	16	2.78
(1,214)	1:B:81:LEU:HB3	1:A:56:GLN:HE22	16	2.78
(1,214)	1:B:81:LEU:HB3	1:B:56:GLN:HE22	16	2.78
(1,942)	1:A:79:ASP:H	1:A:75:LEU:O	9	2.77
(1,942)	1:A:79:ASP:H	1:B:75:LEU:O	9	2.77
(1,942)	1:B:79:ASP:H	1:A:75:LEU:O	9	2.77
(1,942)	1:B:79:ASP:H	1:B:75:LEU:O	9	2.77
(1,812)	1:A:84:THR:HG21	1:A:60:LEU:HD11	19	2.77
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD11	19	2.77
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD12	19	2.77
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD13	19	2.77
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD21	19	2.77
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD22	19	2.77
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD23	19	2.77
(1,812)	1:A:84:THR:HG22	1:A:60:LEU:HD11	19	2.77
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD11	19	2.77
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD12	19	2.77
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD13	19	2.77
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD21	19	2.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD22	19	2.77
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD23	19	2.77
(1,812)	1:A:84:THR:HG23	1:A:60:LEU:HD11	19	2.77
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD11	19	2.77
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD12	19	2.77
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD13	19	2.77
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD21	19	2.77
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD22	19	2.77
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD23	19	2.77
(1,812)	1:B:84:THR:HG21	1:A:60:LEU:HD11	19	2.77
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD11	19	2.77
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD12	19	2.77
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD13	19	2.77
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD21	19	2.77
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD22	19	2.77
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD23	19	2.77
(1,812)	1:B:84:THR:HG22	1:A:60:LEU:HD11	19	2.77
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD11	19	2.77
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD12	19	2.77
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD13	19	2.77
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD21	19	2.77
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD22	19	2.77
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD23	19	2.77
(1,812)	1:B:84:THR:HG23	1:A:60:LEU:HD11	19	2.77
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD11	19	2.77
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD12	19	2.77
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD13	19	2.77
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD21	19	2.77
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD22	19	2.77
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD23	19	2.77
(1,761)	1:A:86:LYS:HD3	1:A:84:THR:H	20	2.77
(1,761)	1:A:86:LYS:HD3	1:B:84:THR:H	20	2.77
(1,761)	1:B:86:LYS:HD3	1:A:84:THR:H	20	2.77
(1,761)	1:B:86:LYS:HD3	1:B:84:THR:H	20	2.77
(1,942)	1:A:79:ASP:H	1:A:75:LEU:O	7	2.76
(1,942)	1:A:79:ASP:H	1:B:75:LEU:O	7	2.76
(1,942)	1:B:79:ASP:H	1:A:75:LEU:O	7	2.76
(1,942)	1:B:79:ASP:H	1:B:75:LEU:O	7	2.76
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG21	2	2.76
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG22	2	2.76
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG23	2	2.76
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG21	2	2.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG22	2	2.76
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG23	2	2.76
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG21	2	2.76
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG22	2	2.76
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG23	2	2.76
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG21	2	2.76
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG22	2	2.76
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG23	2	2.76
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG21	19	2.76
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG22	19	2.76
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG23	19	2.76
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG21	19	2.76
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG22	19	2.76
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG23	19	2.76
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG21	19	2.76
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG22	19	2.76
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG23	19	2.76
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG21	19	2.76
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG22	19	2.76
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG23	19	2.76
(1,688)	1:A:86:LYS:HD3	1:A:87:HIS:HB2	1	2.76
(1,688)	1:A:86:LYS:HD3	1:B:87:HIS:HB2	1	2.76
(1,688)	1:B:86:LYS:HD3	1:A:87:HIS:HB2	1	2.76
(1,688)	1:B:86:LYS:HD3	1:B:87:HIS:HB2	1	2.76
(1,688)	1:A:86:LYS:HD3	1:A:87:HIS:HB2	2	2.76
(1,688)	1:A:86:LYS:HD3	1:B:87:HIS:HB2	2	2.76
(1,688)	1:B:86:LYS:HD3	1:A:87:HIS:HB2	2	2.76
(1,688)	1:B:86:LYS:HD3	1:B:87:HIS:HB2	2	2.76
(1,447)	1:A:81:LEU:HA	1:A:56:GLN:HG2	18	2.76
(1,447)	1:A:81:LEU:HA	1:B:56:GLN:HG2	18	2.76
(1,447)	1:B:81:LEU:HA	1:A:56:GLN:HG2	18	2.76
(1,447)	1:B:81:LEU:HA	1:B:56:GLN:HG2	18	2.76
(1,214)	1:A:81:LEU:HB2	1:A:56:GLN:HE22	6	2.76
(1,214)	1:A:81:LEU:HB2	1:B:56:GLN:HE22	6	2.76
(1,214)	1:A:81:LEU:HB3	1:A:56:GLN:HE22	6	2.76
(1,214)	1:A:81:LEU:HB3	1:B:56:GLN:HE22	6	2.76
(1,214)	1:B:81:LEU:HB2	1:A:56:GLN:HE22	6	2.76
(1,214)	1:B:81:LEU:HB2	1:B:56:GLN:HE22	6	2.76
(1,214)	1:B:81:LEU:HB3	1:A:56:GLN:HE22	6	2.76
(1,214)	1:B:81:LEU:HB3	1:B:56:GLN:HE22	6	2.76
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD2	13	2.75
(1,838)	1:A:87:HIS:HD1	1:A:71:ARG:HD3	13	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD2	13	2.75
(1,838)	1:A:87:HIS:HD1	1:B:71:ARG:HD3	13	2.75
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	13	2.75
(1,838)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	13	2.75
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	13	2.75
(1,838)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	13	2.75
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD2	13	2.75
(1,838)	1:B:87:HIS:HD1	1:A:71:ARG:HD3	13	2.75
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD2	13	2.75
(1,838)	1:B:87:HIS:HD1	1:B:71:ARG:HD3	13	2.75
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	13	2.75
(1,838)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	13	2.75
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	13	2.75
(1,838)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	13	2.75
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG21	4	2.75
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG22	4	2.75
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG23	4	2.75
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG21	4	2.75
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG22	4	2.75
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG23	4	2.75
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG21	4	2.75
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG22	4	2.75
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG23	4	2.75
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG21	4	2.75
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG22	4	2.75
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG23	4	2.75
(1,785)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	16	2.75
(1,785)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	16	2.75
(1,785)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	16	2.75
(1,785)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	16	2.75
(1,785)	1:A:64:ALA:HB3	1:A:67:LYS:HG3	16	2.75
(1,785)	1:A:64:ALA:HB3	1:B:67:LYS:HG3	16	2.75
(1,785)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	16	2.75
(1,785)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	16	2.75
(1,785)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	16	2.75
(1,785)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	16	2.75
(1,785)	1:B:64:ALA:HB3	1:A:67:LYS:HG3	16	2.75
(1,785)	1:B:64:ALA:HB3	1:B:67:LYS:HG3	16	2.75
(1,802)	1:A:81:LEU:HB2	1:A:60:LEU:HD11	17	2.74
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD11	17	2.74
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD12	17	2.74
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD13	17	2.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD21	17	2.74
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD22	17	2.74
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD23	17	2.74
(1,802)	1:A:81:LEU:HB3	1:A:60:LEU:HD11	17	2.74
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD11	17	2.74
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD12	17	2.74
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD13	17	2.74
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD21	17	2.74
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD22	17	2.74
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD23	17	2.74
(1,802)	1:B:81:LEU:HB2	1:A:60:LEU:HD11	17	2.74
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD11	17	2.74
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD12	17	2.74
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD13	17	2.74
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD21	17	2.74
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD22	17	2.74
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD23	17	2.74
(1,802)	1:B:81:LEU:HB3	1:A:60:LEU:HD11	17	2.74
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD11	17	2.74
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD12	17	2.74
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD13	17	2.74
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD21	17	2.74
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD22	17	2.74
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD23	17	2.74
(1,451)	1:A:81:LEU:HA	1:A:56:GLN:HG3	6	2.74
(1,451)	1:A:81:LEU:HA	1:B:56:GLN:HG3	6	2.74
(1,451)	1:B:81:LEU:HA	1:A:56:GLN:HG3	6	2.74
(1,451)	1:B:81:LEU:HA	1:B:56:GLN:HG3	6	2.74
(1,451)	1:A:81:LEU:HA	1:A:56:GLN:HG3	15	2.74
(1,451)	1:A:81:LEU:HA	1:B:56:GLN:HG3	15	2.74
(1,451)	1:B:81:LEU:HA	1:A:56:GLN:HG3	15	2.74
(1,451)	1:B:81:LEU:HA	1:B:56:GLN:HG3	15	2.74
(1,942)	1:A:79:ASP:H	1:A:75:LEU:O	3	2.73
(1,942)	1:A:79:ASP:H	1:B:75:LEU:O	3	2.73
(1,942)	1:B:79:ASP:H	1:A:75:LEU:O	3	2.73
(1,942)	1:B:79:ASP:H	1:B:75:LEU:O	3	2.73
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG21	8	2.73
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG22	8	2.73
(1,823)	1:A:86:LYS:HG3	1:A:84:THR:HG23	8	2.73
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG21	8	2.73
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG22	8	2.73
(1,823)	1:A:86:LYS:HG3	1:B:84:THR:HG23	8	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG21	8	2.73
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG22	8	2.73
(1,823)	1:B:86:LYS:HG3	1:A:84:THR:HG23	8	2.73
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG21	8	2.73
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG22	8	2.73
(1,823)	1:B:86:LYS:HG3	1:B:84:THR:HG23	8	2.73
(1,451)	1:A:81:LEU:HA	1:A:56:GLN:HG3	17	2.73
(1,451)	1:A:81:LEU:HA	1:B:56:GLN:HG3	17	2.73
(1,451)	1:B:81:LEU:HA	1:A:56:GLN:HG3	17	2.73
(1,451)	1:B:81:LEU:HA	1:B:56:GLN:HG3	17	2.73
(1,628)	1:A:66:LYS:HG2	1:A:67:LYS:HB2	7	2.72
(1,628)	1:A:66:LYS:HG2	1:B:67:LYS:HB2	7	2.72
(1,628)	1:B:66:LYS:HG2	1:A:67:LYS:HB2	7	2.72
(1,628)	1:B:66:LYS:HG2	1:B:67:LYS:HB2	7	2.72
(1,602)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	12	2.72
(1,602)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	12	2.72
(1,602)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	12	2.72
(1,602)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	12	2.72
(1,451)	1:A:81:LEU:HA	1:A:56:GLN:HG3	4	2.72
(1,451)	1:A:81:LEU:HA	1:B:56:GLN:HG3	4	2.72
(1,451)	1:B:81:LEU:HA	1:A:56:GLN:HG3	4	2.72
(1,451)	1:B:81:LEU:HA	1:B:56:GLN:HG3	4	2.72
(1,451)	1:A:81:LEU:HA	1:A:56:GLN:HG3	18	2.72
(1,451)	1:A:81:LEU:HA	1:B:56:GLN:HG3	18	2.72
(1,451)	1:B:81:LEU:HA	1:A:56:GLN:HG3	18	2.72
(1,451)	1:B:81:LEU:HA	1:B:56:GLN:HG3	18	2.72
(1,76)	1:A:86:LYS:H	1:A:61:ILE:HG12	12	2.71
(1,76)	1:A:86:LYS:H	1:B:61:ILE:HG12	12	2.71
(1,76)	1:B:86:LYS:H	1:A:61:ILE:HG12	12	2.71
(1,76)	1:B:86:LYS:H	1:B:61:ILE:HG12	12	2.71
(1,688)	1:A:86:LYS:HD3	1:A:87:HIS:HB2	18	2.71
(1,688)	1:A:86:LYS:HD3	1:B:87:HIS:HB2	18	2.71
(1,688)	1:B:86:LYS:HD3	1:A:87:HIS:HB2	18	2.71
(1,688)	1:B:86:LYS:HD3	1:B:87:HIS:HB2	18	2.71
(1,602)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	6	2.71
(1,602)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	6	2.71
(1,602)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	6	2.71
(1,602)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	6	2.71
(1,942)	1:A:79:ASP:H	1:A:75:LEU:O	13	2.7
(1,942)	1:A:79:ASP:H	1:B:75:LEU:O	13	2.7
(1,942)	1:B:79:ASP:H	1:A:75:LEU:O	13	2.7
(1,942)	1:B:79:ASP:H	1:B:75:LEU:O	13	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,76)	1:A:86:LYS:H	1:A:61:ILE:HG12	15	2.7
(1,76)	1:A:86:LYS:H	1:B:61:ILE:HG12	15	2.7
(1,76)	1:B:86:LYS:H	1:A:61:ILE:HG12	15	2.7
(1,76)	1:B:86:LYS:H	1:B:61:ILE:HG12	15	2.7
(1,688)	1:A:86:LYS:HD3	1:A:87:HIS:HB2	8	2.7
(1,688)	1:A:86:LYS:HD3	1:B:87:HIS:HB2	8	2.7
(1,688)	1:B:86:LYS:HD3	1:A:87:HIS:HB2	8	2.7
(1,688)	1:B:86:LYS:HD3	1:B:87:HIS:HB2	8	2.7
(1,627)	1:A:66:LYS:HG2	1:A:67:LYS:HG2	17	2.7
(1,627)	1:A:66:LYS:HG2	1:B:67:LYS:HG2	17	2.7
(1,627)	1:B:66:LYS:HG2	1:A:67:LYS:HG2	17	2.7
(1,627)	1:B:66:LYS:HG2	1:B:67:LYS:HG2	17	2.7
(1,451)	1:A:81:LEU:HA	1:A:56:GLN:HG3	7	2.7
(1,451)	1:A:81:LEU:HA	1:B:56:GLN:HG3	7	2.7
(1,451)	1:B:81:LEU:HA	1:A:56:GLN:HG3	7	2.7
(1,451)	1:B:81:LEU:HA	1:B:56:GLN:HG3	7	2.7
(1,451)	1:A:81:LEU:HA	1:A:56:GLN:HG3	20	2.7
(1,451)	1:A:81:LEU:HA	1:B:56:GLN:HG3	20	2.7
(1,451)	1:B:81:LEU:HA	1:A:56:GLN:HG3	20	2.7
(1,451)	1:B:81:LEU:HA	1:B:56:GLN:HG3	20	2.7
(1,447)	1:A:81:LEU:HA	1:A:56:GLN:HG2	8	2.7
(1,447)	1:A:81:LEU:HA	1:B:56:GLN:HG2	8	2.7
(1,447)	1:B:81:LEU:HA	1:A:56:GLN:HG2	8	2.7
(1,447)	1:B:81:LEU:HA	1:B:56:GLN:HG2	8	2.7
(1,214)	1:A:81:LEU:HB2	1:A:56:GLN:HE22	20	2.7
(1,214)	1:A:81:LEU:HB2	1:B:56:GLN:HE22	20	2.7
(1,214)	1:A:81:LEU:HB3	1:A:56:GLN:HE22	20	2.7
(1,214)	1:A:81:LEU:HB3	1:B:56:GLN:HE22	20	2.7
(1,214)	1:B:81:LEU:HB2	1:A:56:GLN:HE22	20	2.7
(1,214)	1:B:81:LEU:HB2	1:B:56:GLN:HE22	20	2.7
(1,214)	1:B:81:LEU:HB3	1:A:56:GLN:HE22	20	2.7
(1,214)	1:B:81:LEU:HB3	1:B:56:GLN:HE22	20	2.7
(1,942)	1:A:79:ASP:H	1:A:75:LEU:O	20	2.69
(1,942)	1:A:79:ASP:H	1:B:75:LEU:O	20	2.69
(1,942)	1:B:79:ASP:H	1:A:75:LEU:O	20	2.69
(1,942)	1:B:79:ASP:H	1:B:75:LEU:O	20	2.69
(1,76)	1:A:86:LYS:H	1:A:61:ILE:HG12	3	2.69
(1,76)	1:A:86:LYS:H	1:B:61:ILE:HG12	3	2.69
(1,76)	1:B:86:LYS:H	1:A:61:ILE:HG12	3	2.69
(1,76)	1:B:86:LYS:H	1:B:61:ILE:HG12	3	2.69
(1,447)	1:A:81:LEU:HA	1:A:56:GLN:HG2	13	2.69
(1,447)	1:A:81:LEU:HA	1:B:56:GLN:HG2	13	2.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,447)	1:B:81:LEU:HA	1:A:56:GLN:HG2	13	2.69
(1,447)	1:B:81:LEU:HA	1:B:56:GLN:HG2	13	2.69
(1,812)	1:A:84:THR:HG21	1:A:60:LEU:HD11	10	2.68
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD11	10	2.68
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD12	10	2.68
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD13	10	2.68
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD21	10	2.68
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD22	10	2.68
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD23	10	2.68
(1,812)	1:A:84:THR:HG22	1:A:60:LEU:HD11	10	2.68
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD11	10	2.68
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD12	10	2.68
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD13	10	2.68
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD21	10	2.68
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD22	10	2.68
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD23	10	2.68
(1,812)	1:A:84:THR:HG23	1:A:60:LEU:HD11	10	2.68
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD11	10	2.68
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD12	10	2.68
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD13	10	2.68
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD21	10	2.68
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD22	10	2.68
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD23	10	2.68
(1,812)	1:B:84:THR:HG21	1:A:60:LEU:HD11	10	2.68
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD11	10	2.68
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD12	10	2.68
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD13	10	2.68
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD21	10	2.68
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD22	10	2.68
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD23	10	2.68
(1,812)	1:B:84:THR:HG22	1:A:60:LEU:HD11	10	2.68
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD11	10	2.68
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD12	10	2.68
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD13	10	2.68
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD21	10	2.68
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD22	10	2.68
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD23	10	2.68
(1,812)	1:B:84:THR:HG23	1:A:60:LEU:HD11	10	2.68
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD11	10	2.68
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD12	10	2.68
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD13	10	2.68
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD21	10	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD22	10	2.68
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD23	10	2.68
(1,76)	1:A:86:LYS:H	1:A:61:ILE:HG12	2	2.68
(1,76)	1:A:86:LYS:H	1:B:61:ILE:HG12	2	2.68
(1,76)	1:B:86:LYS:H	1:A:61:ILE:HG12	2	2.68
(1,76)	1:B:86:LYS:H	1:B:61:ILE:HG12	2	2.68
(1,76)	1:A:86:LYS:H	1:A:61:ILE:HG12	18	2.68
(1,76)	1:A:86:LYS:H	1:B:61:ILE:HG12	18	2.68
(1,76)	1:B:86:LYS:H	1:A:61:ILE:HG12	18	2.68
(1,76)	1:B:86:LYS:H	1:B:61:ILE:HG12	18	2.68
(1,688)	1:A:86:LYS:HD3	1:A:87:HIS:HB2	20	2.68
(1,688)	1:A:86:LYS:HD3	1:B:87:HIS:HB2	20	2.68
(1,688)	1:B:86:LYS:HD3	1:A:87:HIS:HB2	20	2.68
(1,688)	1:B:86:LYS:HD3	1:B:87:HIS:HB2	20	2.68
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB2	8	2.68
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB3	8	2.68
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB2	8	2.68
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB3	8	2.68
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB2	8	2.68
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB3	8	2.68
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB2	8	2.68
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB3	8	2.68
(1,451)	1:A:81:LEU:HA	1:A:56:GLN:HG3	8	2.68
(1,451)	1:A:81:LEU:HA	1:B:56:GLN:HG3	8	2.68
(1,451)	1:B:81:LEU:HA	1:A:56:GLN:HG3	8	2.68
(1,451)	1:B:81:LEU:HA	1:B:56:GLN:HG3	8	2.68
(1,447)	1:A:81:LEU:HA	1:A:56:GLN:HG2	20	2.68
(1,447)	1:A:81:LEU:HA	1:B:56:GLN:HG2	20	2.68
(1,447)	1:B:81:LEU:HA	1:A:56:GLN:HG2	20	2.68
(1,447)	1:B:81:LEU:HA	1:B:56:GLN:HG2	20	2.68
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG2	14	2.67
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG3	14	2.67
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG2	14	2.67
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG3	14	2.67
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG2	14	2.67
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG3	14	2.67
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG2	14	2.67
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG3	14	2.67
(1,785)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	10	2.67
(1,785)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	10	2.67
(1,785)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	10	2.67
(1,785)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	10	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:A:64:ALA:HB3	1:A:67:LYS:HG3	10	2.67
(1,785)	1:A:64:ALA:HB3	1:B:67:LYS:HG3	10	2.67
(1,785)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	10	2.67
(1,785)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	10	2.67
(1,785)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	10	2.67
(1,785)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	10	2.67
(1,785)	1:B:64:ALA:HB3	1:A:67:LYS:HG3	10	2.67
(1,785)	1:B:64:ALA:HB3	1:B:67:LYS:HG3	10	2.67
(1,76)	1:A:86:LYS:H	1:A:61:ILE:HG12	7	2.67
(1,76)	1:A:86:LYS:H	1:B:61:ILE:HG12	7	2.67
(1,76)	1:B:86:LYS:H	1:A:61:ILE:HG12	7	2.67
(1,76)	1:B:86:LYS:H	1:B:61:ILE:HG12	7	2.67
(1,76)	1:A:86:LYS:H	1:A:61:ILE:HG12	16	2.67
(1,76)	1:A:86:LYS:H	1:B:61:ILE:HG12	16	2.67
(1,76)	1:B:86:LYS:H	1:A:61:ILE:HG12	16	2.67
(1,76)	1:B:86:LYS:H	1:B:61:ILE:HG12	16	2.67
(1,76)	1:A:86:LYS:H	1:A:61:ILE:HG12	17	2.67
(1,76)	1:A:86:LYS:H	1:B:61:ILE:HG12	17	2.67
(1,76)	1:B:86:LYS:H	1:A:61:ILE:HG12	17	2.67
(1,76)	1:B:86:LYS:H	1:B:61:ILE:HG12	17	2.67
(1,628)	1:A:66:LYS:HG2	1:A:67:LYS:HB2	18	2.67
(1,628)	1:A:66:LYS:HG2	1:B:67:LYS:HB2	18	2.67
(1,628)	1:B:66:LYS:HG2	1:A:67:LYS:HB2	18	2.67
(1,628)	1:B:66:LYS:HG2	1:B:67:LYS:HB2	18	2.67
(1,451)	1:A:81:LEU:HA	1:A:56:GLN:HG3	3	2.67
(1,451)	1:A:81:LEU:HA	1:B:56:GLN:HG3	3	2.67
(1,451)	1:B:81:LEU:HA	1:A:56:GLN:HG3	3	2.67
(1,451)	1:B:81:LEU:HA	1:B:56:GLN:HG3	3	2.67
(1,447)	1:A:81:LEU:HA	1:A:56:GLN:HG2	3	2.67
(1,447)	1:A:81:LEU:HA	1:B:56:GLN:HG2	3	2.67
(1,447)	1:B:81:LEU:HA	1:A:56:GLN:HG2	3	2.67
(1,447)	1:B:81:LEU:HA	1:B:56:GLN:HG2	3	2.67
(1,447)	1:A:81:LEU:HA	1:A:56:GLN:HG2	15	2.67
(1,447)	1:A:81:LEU:HA	1:B:56:GLN:HG2	15	2.67
(1,447)	1:B:81:LEU:HA	1:A:56:GLN:HG2	15	2.67
(1,447)	1:B:81:LEU:HA	1:B:56:GLN:HG2	15	2.67
(1,237)	1:A:79:ASP:H	1:A:54:LEU:HD11	6	2.67
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD11	6	2.67
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD12	6	2.67
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD13	6	2.67
(1,237)	1:B:79:ASP:H	1:A:54:LEU:HD11	6	2.67
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD11	6	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD12	6	2.67
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD13	6	2.67
(1,224)	1:A:81:LEU:HB2	1:A:56:GLN:HE21	20	2.67
(1,224)	1:A:81:LEU:HB2	1:B:56:GLN:HE21	20	2.67
(1,224)	1:A:81:LEU:HB3	1:A:56:GLN:HE21	20	2.67
(1,224)	1:A:81:LEU:HB3	1:B:56:GLN:HE21	20	2.67
(1,224)	1:B:81:LEU:HB2	1:A:56:GLN:HE21	20	2.67
(1,224)	1:B:81:LEU:HB2	1:B:56:GLN:HE21	20	2.67
(1,224)	1:B:81:LEU:HB3	1:A:56:GLN:HE21	20	2.67
(1,224)	1:B:81:LEU:HB3	1:B:56:GLN:HE21	20	2.67
(1,942)	1:A:79:ASP:H	1:A:75:LEU:O	4	2.66
(1,942)	1:A:79:ASP:H	1:B:75:LEU:O	4	2.66
(1,942)	1:B:79:ASP:H	1:A:75:LEU:O	4	2.66
(1,942)	1:B:79:ASP:H	1:B:75:LEU:O	4	2.66
(1,942)	1:A:79:ASP:H	1:A:75:LEU:O	11	2.66
(1,942)	1:A:79:ASP:H	1:B:75:LEU:O	11	2.66
(1,942)	1:B:79:ASP:H	1:A:75:LEU:O	11	2.66
(1,942)	1:B:79:ASP:H	1:B:75:LEU:O	11	2.66
(1,761)	1:A:86:LYS:HD3	1:A:84:THR:H	6	2.66
(1,761)	1:A:86:LYS:HD3	1:B:84:THR:H	6	2.66
(1,761)	1:B:86:LYS:HD3	1:A:84:THR:H	6	2.66
(1,761)	1:B:86:LYS:HD3	1:B:84:THR:H	6	2.66
(1,76)	1:A:86:LYS:H	1:A:61:ILE:HG12	10	2.66
(1,76)	1:A:86:LYS:H	1:B:61:ILE:HG12	10	2.66
(1,76)	1:B:86:LYS:H	1:A:61:ILE:HG12	10	2.66
(1,76)	1:B:86:LYS:H	1:B:61:ILE:HG12	10	2.66
(1,76)	1:A:86:LYS:H	1:A:61:ILE:HG12	20	2.66
(1,76)	1:A:86:LYS:H	1:B:61:ILE:HG12	20	2.66
(1,76)	1:B:86:LYS:H	1:A:61:ILE:HG12	20	2.66
(1,76)	1:B:86:LYS:H	1:B:61:ILE:HG12	20	2.66
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	3	2.66
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	3	2.66
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	3	2.66
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	3	2.66
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	3	2.66
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	3	2.66
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	3	2.66
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	3	2.66
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD11	16	2.66
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD12	16	2.66
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD13	16	2.66
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD11	16	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD12	16	2.66
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD13	16	2.66
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD11	16	2.66
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD12	16	2.66
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD13	16	2.66
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD11	16	2.66
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD12	16	2.66
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD13	16	2.66
(1,451)	1:A:81:LEU:HA	1:A:56:GLN:HG3	19	2.66
(1,451)	1:A:81:LEU:HA	1:B:56:GLN:HG3	19	2.66
(1,451)	1:B:81:LEU:HA	1:A:56:GLN:HG3	19	2.66
(1,451)	1:B:81:LEU:HA	1:B:56:GLN:HG3	19	2.66
(1,214)	1:A:81:LEU:HB2	1:A:56:GLN:HE22	1	2.66
(1,214)	1:A:81:LEU:HB2	1:B:56:GLN:HE22	1	2.66
(1,214)	1:A:81:LEU:HB3	1:A:56:GLN:HE22	1	2.66
(1,214)	1:A:81:LEU:HB3	1:B:56:GLN:HE22	1	2.66
(1,214)	1:B:81:LEU:HB2	1:A:56:GLN:HE22	1	2.66
(1,214)	1:B:81:LEU:HB2	1:B:56:GLN:HE22	1	2.66
(1,214)	1:B:81:LEU:HB3	1:A:56:GLN:HE22	1	2.66
(1,214)	1:B:81:LEU:HB3	1:B:56:GLN:HE22	1	2.66
(1,214)	1:A:81:LEU:HB2	1:A:56:GLN:HE22	4	2.66
(1,214)	1:A:81:LEU:HB2	1:B:56:GLN:HE22	4	2.66
(1,214)	1:A:81:LEU:HB3	1:A:56:GLN:HE22	4	2.66
(1,214)	1:A:81:LEU:HB3	1:B:56:GLN:HE22	4	2.66
(1,214)	1:B:81:LEU:HB2	1:A:56:GLN:HE22	4	2.66
(1,214)	1:B:81:LEU:HB2	1:B:56:GLN:HE22	4	2.66
(1,214)	1:B:81:LEU:HB3	1:A:56:GLN:HE22	4	2.66
(1,214)	1:B:81:LEU:HB3	1:B:56:GLN:HE22	4	2.66
(1,942)	1:A:79:ASP:H	1:A:75:LEU:O	10	2.65
(1,942)	1:A:79:ASP:H	1:B:75:LEU:O	10	2.65
(1,942)	1:B:79:ASP:H	1:A:75:LEU:O	10	2.65
(1,942)	1:B:79:ASP:H	1:B:75:LEU:O	10	2.65
(1,812)	1:A:84:THR:HG21	1:A:60:LEU:HD11	12	2.65
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD11	12	2.65
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD12	12	2.65
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD13	12	2.65
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD21	12	2.65
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD22	12	2.65
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD23	12	2.65
(1,812)	1:A:84:THR:HG22	1:A:60:LEU:HD11	12	2.65
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD11	12	2.65
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD12	12	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD13	12	2.65
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD21	12	2.65
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD22	12	2.65
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD23	12	2.65
(1,812)	1:A:84:THR:HG23	1:A:60:LEU:HD11	12	2.65
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD11	12	2.65
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD12	12	2.65
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD13	12	2.65
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD21	12	2.65
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD22	12	2.65
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD23	12	2.65
(1,812)	1:B:84:THR:HG21	1:A:60:LEU:HD11	12	2.65
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD11	12	2.65
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD12	12	2.65
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD13	12	2.65
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD21	12	2.65
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD22	12	2.65
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD23	12	2.65
(1,812)	1:B:84:THR:HG22	1:A:60:LEU:HD11	12	2.65
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD11	12	2.65
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD12	12	2.65
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD13	12	2.65
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD21	12	2.65
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD22	12	2.65
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD23	12	2.65
(1,812)	1:B:84:THR:HG23	1:A:60:LEU:HD11	12	2.65
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD11	12	2.65
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD12	12	2.65
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD13	12	2.65
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD21	12	2.65
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD22	12	2.65
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD23	12	2.65
(1,76)	1:A:86:LYS:H	1:A:61:ILE:HG12	9	2.65
(1,76)	1:A:86:LYS:H	1:B:61:ILE:HG12	9	2.65
(1,76)	1:B:86:LYS:H	1:A:61:ILE:HG12	9	2.65
(1,76)	1:B:86:LYS:H	1:B:61:ILE:HG12	9	2.65
(1,447)	1:A:81:LEU:HA	1:A:56:GLN:HG2	2	2.65
(1,447)	1:A:81:LEU:HA	1:B:56:GLN:HG2	2	2.65
(1,447)	1:B:81:LEU:HA	1:A:56:GLN:HG2	2	2.65
(1,447)	1:B:81:LEU:HA	1:B:56:GLN:HG2	2	2.65
(1,408)	1:A:64:ALA:HA	1:A:67:LYS:HG2	17	2.65
(1,408)	1:A:64:ALA:HA	1:B:67:LYS:HG2	17	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:B:64:ALA:HA	1:A:67:LYS:HG2	17	2.65
(1,408)	1:B:64:ALA:HA	1:B:67:LYS:HG2	17	2.65
(1,237)	1:A:79:ASP:H	1:A:54:LEU:HD11	5	2.65
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD11	5	2.65
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD12	5	2.65
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD13	5	2.65
(1,237)	1:B:79:ASP:H	1:A:54:LEU:HD11	5	2.65
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD11	5	2.65
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD12	5	2.65
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD13	5	2.65
(1,214)	1:A:81:LEU:HB2	1:A:56:GLN:HE22	18	2.65
(1,214)	1:A:81:LEU:HB2	1:B:56:GLN:HE22	18	2.65
(1,214)	1:A:81:LEU:HB3	1:A:56:GLN:HE22	18	2.65
(1,214)	1:A:81:LEU:HB3	1:B:56:GLN:HE22	18	2.65
(1,214)	1:B:81:LEU:HB2	1:A:56:GLN:HE22	18	2.65
(1,214)	1:B:81:LEU:HB2	1:B:56:GLN:HE22	18	2.65
(1,214)	1:B:81:LEU:HB3	1:A:56:GLN:HE22	18	2.65
(1,214)	1:B:81:LEU:HB3	1:B:56:GLN:HE22	18	2.65
(1,942)	1:A:79:ASP:H	1:A:75:LEU:O	16	2.64
(1,942)	1:A:79:ASP:H	1:B:75:LEU:O	16	2.64
(1,942)	1:B:79:ASP:H	1:A:75:LEU:O	16	2.64
(1,942)	1:B:79:ASP:H	1:B:75:LEU:O	16	2.64
(1,76)	1:A:86:LYS:H	1:A:61:ILE:HG12	1	2.64
(1,76)	1:A:86:LYS:H	1:B:61:ILE:HG12	1	2.64
(1,76)	1:B:86:LYS:H	1:A:61:ILE:HG12	1	2.64
(1,76)	1:B:86:LYS:H	1:B:61:ILE:HG12	1	2.64
(1,76)	1:A:86:LYS:H	1:A:61:ILE:HG12	4	2.64
(1,76)	1:A:86:LYS:H	1:B:61:ILE:HG12	4	2.64
(1,76)	1:B:86:LYS:H	1:A:61:ILE:HG12	4	2.64
(1,76)	1:B:86:LYS:H	1:B:61:ILE:HG12	4	2.64
(1,76)	1:A:86:LYS:H	1:A:61:ILE:HG12	11	2.64
(1,76)	1:A:86:LYS:H	1:B:61:ILE:HG12	11	2.64
(1,76)	1:B:86:LYS:H	1:A:61:ILE:HG12	11	2.64
(1,76)	1:B:86:LYS:H	1:B:61:ILE:HG12	11	2.64
(1,451)	1:A:81:LEU:HA	1:A:56:GLN:HG3	2	2.64
(1,451)	1:A:81:LEU:HA	1:B:56:GLN:HG3	2	2.64
(1,451)	1:B:81:LEU:HA	1:A:56:GLN:HG3	2	2.64
(1,451)	1:B:81:LEU:HA	1:B:56:GLN:HG3	2	2.64
(1,942)	1:A:79:ASP:H	1:A:75:LEU:O	5	2.63
(1,942)	1:A:79:ASP:H	1:B:75:LEU:O	5	2.63
(1,942)	1:B:79:ASP:H	1:A:75:LEU:O	5	2.63
(1,942)	1:B:79:ASP:H	1:B:75:LEU:O	5	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,942)	1:A:79:ASP:H	1:A:75:LEU:O	14	2.63
(1,942)	1:A:79:ASP:H	1:B:75:LEU:O	14	2.63
(1,942)	1:B:79:ASP:H	1:A:75:LEU:O	14	2.63
(1,942)	1:B:79:ASP:H	1:B:75:LEU:O	14	2.63
(1,813)	1:A:85:VAL:H	1:A:60:LEU:HD11	5	2.63
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD11	5	2.63
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD12	5	2.63
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD13	5	2.63
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD21	5	2.63
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD22	5	2.63
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD23	5	2.63
(1,813)	1:B:85:VAL:H	1:A:60:LEU:HD11	5	2.63
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD11	5	2.63
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD12	5	2.63
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD13	5	2.63
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD21	5	2.63
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD22	5	2.63
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD23	5	2.63
(1,785)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	13	2.63
(1,785)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	13	2.63
(1,785)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	13	2.63
(1,785)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	13	2.63
(1,785)	1:A:64:ALA:HB3	1:A:67:LYS:HG3	13	2.63
(1,785)	1:A:64:ALA:HB3	1:B:67:LYS:HG3	13	2.63
(1,785)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	13	2.63
(1,785)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	13	2.63
(1,785)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	13	2.63
(1,785)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	13	2.63
(1,785)	1:B:64:ALA:HB3	1:A:67:LYS:HG3	13	2.63
(1,785)	1:B:64:ALA:HB3	1:B:67:LYS:HG3	13	2.63
(1,603)	1:A:64:ALA:HB2	1:A:67:LYS:HG2	10	2.63
(1,603)	1:A:64:ALA:HB2	1:B:67:LYS:HG2	10	2.63
(1,603)	1:B:64:ALA:HB2	1:A:67:LYS:HG2	10	2.63
(1,603)	1:B:64:ALA:HB2	1:B:67:LYS:HG2	10	2.63
(1,585)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	6	2.63
(1,585)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	6	2.63
(1,585)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	6	2.63
(1,585)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	6	2.63
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB2	18	2.63
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB3	18	2.63
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB2	18	2.63
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB3	18	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB2	18	2.63
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB3	18	2.63
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB2	18	2.63
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB3	18	2.63
(1,451)	1:A:81:LEU:HA	1:A:56:GLN:HG3	9	2.63
(1,451)	1:A:81:LEU:HA	1:B:56:GLN:HG3	9	2.63
(1,451)	1:B:81:LEU:HA	1:A:56:GLN:HG3	9	2.63
(1,451)	1:B:81:LEU:HA	1:B:56:GLN:HG3	9	2.63
(1,214)	1:A:81:LEU:HB2	1:A:56:GLN:HE22	11	2.63
(1,214)	1:A:81:LEU:HB2	1:B:56:GLN:HE22	11	2.63
(1,214)	1:A:81:LEU:HB3	1:A:56:GLN:HE22	11	2.63
(1,214)	1:A:81:LEU:HB3	1:B:56:GLN:HE22	11	2.63
(1,214)	1:B:81:LEU:HB2	1:A:56:GLN:HE22	11	2.63
(1,214)	1:B:81:LEU:HB2	1:B:56:GLN:HE22	11	2.63
(1,214)	1:B:81:LEU:HB3	1:A:56:GLN:HE22	11	2.63
(1,214)	1:B:81:LEU:HB3	1:B:56:GLN:HE22	11	2.63
(1,761)	1:A:86:LYS:HD3	1:A:84:THR:H	9	2.62
(1,761)	1:A:86:LYS:HD3	1:B:84:THR:H	9	2.62
(1,761)	1:B:86:LYS:HD3	1:A:84:THR:H	9	2.62
(1,761)	1:B:86:LYS:HD3	1:B:84:THR:H	9	2.62
(1,761)	1:A:86:LYS:HD3	1:A:84:THR:H	14	2.62
(1,761)	1:A:86:LYS:HD3	1:B:84:THR:H	14	2.62
(1,761)	1:B:86:LYS:HD3	1:A:84:THR:H	14	2.62
(1,761)	1:B:86:LYS:HD3	1:B:84:THR:H	14	2.62
(1,76)	1:A:86:LYS:H	1:A:61:ILE:HG12	6	2.62
(1,76)	1:A:86:LYS:H	1:B:61:ILE:HG12	6	2.62
(1,76)	1:B:86:LYS:H	1:A:61:ILE:HG12	6	2.62
(1,76)	1:B:86:LYS:H	1:B:61:ILE:HG12	6	2.62
(1,76)	1:A:86:LYS:H	1:A:61:ILE:HG12	14	2.62
(1,76)	1:A:86:LYS:H	1:B:61:ILE:HG12	14	2.62
(1,76)	1:B:86:LYS:H	1:A:61:ILE:HG12	14	2.62
(1,76)	1:B:86:LYS:H	1:B:61:ILE:HG12	14	2.62
(1,680)	1:A:66:LYS:HG2	1:A:67:LYS:HG3	10	2.62
(1,680)	1:A:66:LYS:HG2	1:B:67:LYS:HG3	10	2.62
(1,680)	1:B:66:LYS:HG2	1:A:67:LYS:HG3	10	2.62
(1,680)	1:B:66:LYS:HG2	1:B:67:LYS:HG3	10	2.62
(1,585)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	1	2.62
(1,585)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	1	2.62
(1,585)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	1	2.62
(1,585)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	1	2.62
(1,451)	1:A:81:LEU:HA	1:A:56:GLN:HG3	12	2.62
(1,451)	1:A:81:LEU:HA	1:B:56:GLN:HG3	12	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,451)	1:B:81:LEU:HA	1:A:56:GLN:HG3	12	2.62
(1,451)	1:B:81:LEU:HA	1:B:56:GLN:HG3	12	2.62
(1,447)	1:A:81:LEU:HA	1:A:56:GLN:HG2	12	2.62
(1,447)	1:A:81:LEU:HA	1:B:56:GLN:HG2	12	2.62
(1,447)	1:B:81:LEU:HA	1:A:56:GLN:HG2	12	2.62
(1,447)	1:B:81:LEU:HA	1:B:56:GLN:HG2	12	2.62
(1,237)	1:A:79:ASP:H	1:A:54:LEU:HD11	8	2.62
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD11	8	2.62
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD12	8	2.62
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD13	8	2.62
(1,237)	1:B:79:ASP:H	1:A:54:LEU:HD11	8	2.62
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD11	8	2.62
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD12	8	2.62
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD13	8	2.62
(1,802)	1:A:81:LEU:HB2	1:A:60:LEU:HD11	11	2.61
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD11	11	2.61
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD12	11	2.61
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD13	11	2.61
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD21	11	2.61
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD22	11	2.61
(1,802)	1:A:81:LEU:HB2	1:B:60:LEU:HD23	11	2.61
(1,802)	1:A:81:LEU:HB3	1:A:60:LEU:HD11	11	2.61
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD11	11	2.61
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD12	11	2.61
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD13	11	2.61
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD21	11	2.61
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD22	11	2.61
(1,802)	1:A:81:LEU:HB3	1:B:60:LEU:HD23	11	2.61
(1,802)	1:B:81:LEU:HB2	1:A:60:LEU:HD11	11	2.61
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD11	11	2.61
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD12	11	2.61
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD13	11	2.61
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD21	11	2.61
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD22	11	2.61
(1,802)	1:B:81:LEU:HB2	1:B:60:LEU:HD23	11	2.61
(1,802)	1:B:81:LEU:HB3	1:A:60:LEU:HD11	11	2.61
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD11	11	2.61
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD12	11	2.61
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD13	11	2.61
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD21	11	2.61
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD22	11	2.61
(1,802)	1:B:81:LEU:HB3	1:B:60:LEU:HD23	11	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,76)	1:A:86:LYS:H	1:A:61:ILE:HG12	5	2.61
(1,76)	1:A:86:LYS:H	1:B:61:ILE:HG12	5	2.61
(1,76)	1:B:86:LYS:H	1:A:61:ILE:HG12	5	2.61
(1,76)	1:B:86:LYS:H	1:B:61:ILE:HG12	5	2.61
(1,76)	1:A:86:LYS:H	1:A:61:ILE:HG12	8	2.61
(1,76)	1:A:86:LYS:H	1:B:61:ILE:HG12	8	2.61
(1,76)	1:B:86:LYS:H	1:A:61:ILE:HG12	8	2.61
(1,76)	1:B:86:LYS:H	1:B:61:ILE:HG12	8	2.61
(1,76)	1:A:86:LYS:H	1:A:61:ILE:HG12	19	2.61
(1,76)	1:A:86:LYS:H	1:B:61:ILE:HG12	19	2.61
(1,76)	1:B:86:LYS:H	1:A:61:ILE:HG12	19	2.61
(1,76)	1:B:86:LYS:H	1:B:61:ILE:HG12	19	2.61
(1,688)	1:A:86:LYS:HD3	1:A:87:HIS:HB2	7	2.61
(1,688)	1:A:86:LYS:HD3	1:B:87:HIS:HB2	7	2.61
(1,688)	1:B:86:LYS:HD3	1:A:87:HIS:HB2	7	2.61
(1,688)	1:B:86:LYS:HD3	1:B:87:HIS:HB2	7	2.61
(1,680)	1:A:66:LYS:HG2	1:A:67:LYS:HG3	2	2.61
(1,680)	1:A:66:LYS:HG2	1:B:67:LYS:HG3	2	2.61
(1,680)	1:B:66:LYS:HG2	1:A:67:LYS:HG3	2	2.61
(1,680)	1:B:66:LYS:HG2	1:B:67:LYS:HG3	2	2.61
(1,214)	1:A:81:LEU:HB2	1:A:56:GLN:HE22	7	2.61
(1,214)	1:A:81:LEU:HB2	1:B:56:GLN:HE22	7	2.61
(1,214)	1:A:81:LEU:HB3	1:A:56:GLN:HE22	7	2.61
(1,214)	1:A:81:LEU:HB3	1:B:56:GLN:HE22	7	2.61
(1,214)	1:B:81:LEU:HB2	1:A:56:GLN:HE22	7	2.61
(1,214)	1:B:81:LEU:HB2	1:B:56:GLN:HE22	7	2.61
(1,214)	1:B:81:LEU:HB3	1:A:56:GLN:HE22	7	2.61
(1,214)	1:B:81:LEU:HB3	1:B:56:GLN:HE22	7	2.61
(1,942)	1:A:79:ASP:H	1:A:75:LEU:O	15	2.6
(1,942)	1:A:79:ASP:H	1:B:75:LEU:O	15	2.6
(1,942)	1:B:79:ASP:H	1:A:75:LEU:O	15	2.6
(1,942)	1:B:79:ASP:H	1:B:75:LEU:O	15	2.6
(1,585)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	10	2.6
(1,585)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	10	2.6
(1,585)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	10	2.6
(1,585)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	10	2.6
(1,224)	1:A:81:LEU:HB2	1:A:56:GLN:HE21	6	2.6
(1,224)	1:A:81:LEU:HB2	1:B:56:GLN:HE21	6	2.6
(1,224)	1:A:81:LEU:HB3	1:A:56:GLN:HE21	6	2.6
(1,224)	1:A:81:LEU:HB3	1:B:56:GLN:HE21	6	2.6
(1,224)	1:B:81:LEU:HB2	1:A:56:GLN:HE21	6	2.6
(1,224)	1:B:81:LEU:HB2	1:B:56:GLN:HE21	6	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,224)	1:B:81:LEU:HB3	1:A:56:GLN:HE21	6	2.6
(1,224)	1:B:81:LEU:HB3	1:B:56:GLN:HE21	6	2.6
(1,76)	1:A:86:LYS:H	1:A:61:ILE:HG12	13	2.59
(1,76)	1:A:86:LYS:H	1:B:61:ILE:HG12	13	2.59
(1,76)	1:B:86:LYS:H	1:A:61:ILE:HG12	13	2.59
(1,76)	1:B:86:LYS:H	1:B:61:ILE:HG12	13	2.59
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD11	11	2.59
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD12	11	2.59
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD13	11	2.59
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD11	11	2.59
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD12	11	2.59
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD13	11	2.59
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD11	11	2.59
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD12	11	2.59
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD13	11	2.59
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD11	11	2.59
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD12	11	2.59
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD13	11	2.59
(1,628)	1:A:66:LYS:HG2	1:A:67:LYS:HB2	10	2.59
(1,628)	1:A:66:LYS:HG2	1:B:67:LYS:HB2	10	2.59
(1,628)	1:B:66:LYS:HG2	1:A:67:LYS:HB2	10	2.59
(1,628)	1:B:66:LYS:HG2	1:B:67:LYS:HB2	10	2.59
(1,627)	1:A:66:LYS:HG2	1:A:67:LYS:HG2	6	2.59
(1,627)	1:A:66:LYS:HG2	1:B:67:LYS:HG2	6	2.59
(1,627)	1:B:66:LYS:HG2	1:A:67:LYS:HG2	6	2.59
(1,627)	1:B:66:LYS:HG2	1:B:67:LYS:HG2	6	2.59
(1,942)	1:A:79:ASP:H	1:A:75:LEU:O	8	2.58
(1,942)	1:A:79:ASP:H	1:B:75:LEU:O	8	2.58
(1,942)	1:B:79:ASP:H	1:A:75:LEU:O	8	2.58
(1,942)	1:B:79:ASP:H	1:B:75:LEU:O	8	2.58
(1,938)	1:A:76:GLU:N	1:A:72:HIS:O	6	2.58
(1,938)	1:A:76:GLU:N	1:B:72:HIS:O	6	2.58
(1,938)	1:B:76:GLU:N	1:A:72:HIS:O	6	2.58
(1,938)	1:B:76:GLU:N	1:B:72:HIS:O	6	2.58
(1,688)	1:A:86:LYS:HD3	1:A:87:HIS:HB2	9	2.58
(1,688)	1:A:86:LYS:HD3	1:B:87:HIS:HB2	9	2.58
(1,688)	1:B:86:LYS:HD3	1:A:87:HIS:HB2	9	2.58
(1,688)	1:B:86:LYS:HD3	1:B:87:HIS:HB2	9	2.58
(1,680)	1:A:66:LYS:HG2	1:A:67:LYS:HG3	8	2.58
(1,680)	1:A:66:LYS:HG2	1:B:67:LYS:HG3	8	2.58
(1,680)	1:B:66:LYS:HG2	1:A:67:LYS:HG3	8	2.58
(1,680)	1:B:66:LYS:HG2	1:B:67:LYS:HG3	8	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,628)	1:A:66:LYS:HG2	1:A:67:LYS:HB2	19	2.58
(1,628)	1:A:66:LYS:HG2	1:B:67:LYS:HB2	19	2.58
(1,628)	1:B:66:LYS:HG2	1:A:67:LYS:HB2	19	2.58
(1,628)	1:B:66:LYS:HG2	1:B:67:LYS:HB2	19	2.58
(1,237)	1:A:79:ASP:H	1:A:54:LEU:HD11	12	2.58
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD11	12	2.58
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD12	12	2.58
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD13	12	2.58
(1,237)	1:B:79:ASP:H	1:A:54:LEU:HD11	12	2.58
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD11	12	2.58
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD12	12	2.58
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD13	12	2.58
(1,942)	1:A:79:ASP:H	1:A:75:LEU:O	18	2.57
(1,942)	1:A:79:ASP:H	1:B:75:LEU:O	18	2.57
(1,942)	1:B:79:ASP:H	1:A:75:LEU:O	18	2.57
(1,942)	1:B:79:ASP:H	1:B:75:LEU:O	18	2.57
(1,837)	1:A:87:HIS:HD1	1:A:93:ARG:H	14	2.57
(1,837)	1:A:87:HIS:HD1	1:B:93:ARG:H	14	2.57
(1,837)	1:A:87:HIS:HD2	1:A:93:ARG:H	14	2.57
(1,837)	1:A:87:HIS:HD2	1:B:93:ARG:H	14	2.57
(1,837)	1:B:87:HIS:HD1	1:A:93:ARG:H	14	2.57
(1,837)	1:B:87:HIS:HD1	1:B:93:ARG:H	14	2.57
(1,837)	1:B:87:HIS:HD2	1:A:93:ARG:H	14	2.57
(1,837)	1:B:87:HIS:HD2	1:B:93:ARG:H	14	2.57
(1,785)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	12	2.57
(1,785)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	12	2.57
(1,785)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	12	2.57
(1,785)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	12	2.57
(1,785)	1:A:64:ALA:HB3	1:A:67:LYS:HG3	12	2.57
(1,785)	1:A:64:ALA:HB3	1:B:67:LYS:HG3	12	2.57
(1,785)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	12	2.57
(1,785)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	12	2.57
(1,785)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	12	2.57
(1,785)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	12	2.57
(1,785)	1:B:64:ALA:HB3	1:A:67:LYS:HG3	12	2.57
(1,785)	1:B:64:ALA:HB3	1:B:67:LYS:HG3	12	2.57
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD2	13	2.57
(1,691)	1:A:87:HIS:HD2	1:A:71:ARG:HD3	13	2.57
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD2	13	2.57
(1,691)	1:A:87:HIS:HD2	1:B:71:ARG:HD3	13	2.57
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD2	13	2.57
(1,691)	1:B:87:HIS:HD2	1:A:71:ARG:HD3	13	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD2	13	2.57
(1,691)	1:B:87:HIS:HD2	1:B:71:ARG:HD3	13	2.57
(1,602)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	15	2.57
(1,602)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	15	2.57
(1,602)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	15	2.57
(1,602)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	15	2.57
(1,237)	1:A:79:ASP:H	1:A:54:LEU:HD11	17	2.57
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD11	17	2.57
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD12	17	2.57
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD13	17	2.57
(1,237)	1:B:79:ASP:H	1:A:54:LEU:HD11	17	2.57
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD11	17	2.57
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD12	17	2.57
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD13	17	2.57
(1,176)	1:A:75:LEU:HA	1:A:78:ALA:H	9	2.57
(1,176)	1:A:75:LEU:HA	1:B:78:ALA:H	9	2.57
(1,176)	1:B:75:LEU:HA	1:A:78:ALA:H	9	2.57
(1,176)	1:B:75:LEU:HA	1:B:78:ALA:H	9	2.57
(1,942)	1:A:79:ASP:H	1:A:75:LEU:O	12	2.56
(1,942)	1:A:79:ASP:H	1:B:75:LEU:O	12	2.56
(1,942)	1:B:79:ASP:H	1:A:75:LEU:O	12	2.56
(1,942)	1:B:79:ASP:H	1:B:75:LEU:O	12	2.56
(1,942)	1:A:79:ASP:H	1:A:75:LEU:O	17	2.56
(1,942)	1:A:79:ASP:H	1:B:75:LEU:O	17	2.56
(1,942)	1:B:79:ASP:H	1:A:75:LEU:O	17	2.56
(1,942)	1:B:79:ASP:H	1:B:75:LEU:O	17	2.56
(1,812)	1:A:84:THR:HG21	1:A:60:LEU:HD11	18	2.56
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD11	18	2.56
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD12	18	2.56
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD13	18	2.56
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD21	18	2.56
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD22	18	2.56
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD23	18	2.56
(1,812)	1:A:84:THR:HG22	1:A:60:LEU:HD11	18	2.56
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD11	18	2.56
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD12	18	2.56
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD13	18	2.56
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD21	18	2.56
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD22	18	2.56
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD23	18	2.56
(1,812)	1:A:84:THR:HG23	1:A:60:LEU:HD11	18	2.56
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD11	18	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD12	18	2.56
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD13	18	2.56
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD21	18	2.56
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD22	18	2.56
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD23	18	2.56
(1,812)	1:B:84:THR:HG21	1:A:60:LEU:HD11	18	2.56
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD11	18	2.56
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD12	18	2.56
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD13	18	2.56
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD21	18	2.56
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD22	18	2.56
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD23	18	2.56
(1,812)	1:B:84:THR:HG22	1:A:60:LEU:HD11	18	2.56
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD11	18	2.56
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD12	18	2.56
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD13	18	2.56
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD21	18	2.56
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD22	18	2.56
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD23	18	2.56
(1,812)	1:B:84:THR:HG23	1:A:60:LEU:HD11	18	2.56
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD11	18	2.56
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD12	18	2.56
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD13	18	2.56
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD21	18	2.56
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD22	18	2.56
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD23	18	2.56
(1,680)	1:A:66:LYS:HG2	1:A:67:LYS:HG3	3	2.56
(1,680)	1:A:66:LYS:HG2	1:B:67:LYS:HG3	3	2.56
(1,680)	1:B:66:LYS:HG2	1:A:67:LYS:HG3	3	2.56
(1,680)	1:B:66:LYS:HG2	1:B:67:LYS:HG3	3	2.56
(1,680)	1:A:66:LYS:HG2	1:A:67:LYS:HG3	7	2.56
(1,680)	1:A:66:LYS:HG2	1:B:67:LYS:HG3	7	2.56
(1,680)	1:B:66:LYS:HG2	1:A:67:LYS:HG3	7	2.56
(1,680)	1:B:66:LYS:HG2	1:B:67:LYS:HG3	7	2.56
(1,628)	1:A:66:LYS:HG2	1:A:67:LYS:HB2	15	2.56
(1,628)	1:A:66:LYS:HG2	1:B:67:LYS:HB2	15	2.56
(1,628)	1:B:66:LYS:HG2	1:A:67:LYS:HB2	15	2.56
(1,628)	1:B:66:LYS:HG2	1:B:67:LYS:HB2	15	2.56
(1,237)	1:A:79:ASP:H	1:A:54:LEU:HD11	16	2.56
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD11	16	2.56
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD12	16	2.56
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD13	16	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,237)	1:B:79:ASP:H	1:A:54:LEU:HD11	16	2.56
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD11	16	2.56
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD12	16	2.56
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD13	16	2.56
(1,224)	1:A:81:LEU:HB2	1:A:56:GLN:HE21	5	2.56
(1,224)	1:A:81:LEU:HB2	1:B:56:GLN:HE21	5	2.56
(1,224)	1:A:81:LEU:HB3	1:A:56:GLN:HE21	5	2.56
(1,224)	1:A:81:LEU:HB3	1:B:56:GLN:HE21	5	2.56
(1,224)	1:B:81:LEU:HB2	1:A:56:GLN:HE21	5	2.56
(1,224)	1:B:81:LEU:HB2	1:B:56:GLN:HE21	5	2.56
(1,224)	1:B:81:LEU:HB3	1:A:56:GLN:HE21	5	2.56
(1,224)	1:B:81:LEU:HB3	1:B:56:GLN:HE21	5	2.56
(1,812)	1:A:84:THR:HG21	1:A:60:LEU:HD11	8	2.55
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD11	8	2.55
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD12	8	2.55
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD13	8	2.55
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD21	8	2.55
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD22	8	2.55
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD23	8	2.55
(1,812)	1:A:84:THR:HG22	1:A:60:LEU:HD11	8	2.55
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD11	8	2.55
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD12	8	2.55
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD13	8	2.55
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD21	8	2.55
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD22	8	2.55
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD23	8	2.55
(1,812)	1:A:84:THR:HG23	1:A:60:LEU:HD11	8	2.55
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD11	8	2.55
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD12	8	2.55
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD13	8	2.55
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD21	8	2.55
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD22	8	2.55
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD23	8	2.55
(1,812)	1:B:84:THR:HG21	1:A:60:LEU:HD11	8	2.55
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD11	8	2.55
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD12	8	2.55
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD13	8	2.55
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD21	8	2.55
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD22	8	2.55
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD23	8	2.55
(1,812)	1:B:84:THR:HG22	1:A:60:LEU:HD11	8	2.55
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD11	8	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD12	8	2.55
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD13	8	2.55
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD21	8	2.55
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD22	8	2.55
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD23	8	2.55
(1,812)	1:B:84:THR:HG23	1:A:60:LEU:HD11	8	2.55
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD11	8	2.55
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD12	8	2.55
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD13	8	2.55
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD21	8	2.55
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD22	8	2.55
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD23	8	2.55
(1,785)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	15	2.55
(1,785)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	15	2.55
(1,785)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	15	2.55
(1,785)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	15	2.55
(1,785)	1:A:64:ALA:HB3	1:A:67:LYS:HG3	15	2.55
(1,785)	1:A:64:ALA:HB3	1:B:67:LYS:HG3	15	2.55
(1,785)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	15	2.55
(1,785)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	15	2.55
(1,785)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	15	2.55
(1,785)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	15	2.55
(1,785)	1:B:64:ALA:HB3	1:A:67:LYS:HG3	15	2.55
(1,785)	1:B:64:ALA:HB3	1:B:67:LYS:HG3	15	2.55
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD11	20	2.55
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD12	20	2.55
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD13	20	2.55
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD11	20	2.55
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD12	20	2.55
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD13	20	2.55
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD11	20	2.55
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD12	20	2.55
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD13	20	2.55
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD11	20	2.55
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD12	20	2.55
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD13	20	2.55
(1,627)	1:A:66:LYS:HG2	1:A:67:LYS:HG2	4	2.55
(1,627)	1:A:66:LYS:HG2	1:B:67:LYS:HG2	4	2.55
(1,627)	1:B:66:LYS:HG2	1:A:67:LYS:HG2	4	2.55
(1,627)	1:B:66:LYS:HG2	1:B:67:LYS:HG2	4	2.55
(1,627)	1:A:66:LYS:HG2	1:A:67:LYS:HG2	11	2.55
(1,627)	1:A:66:LYS:HG2	1:B:67:LYS:HG2	11	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,627)	1:B:66:LYS:HG2	1:A:67:LYS:HG2	11	2.55
(1,627)	1:B:66:LYS:HG2	1:B:67:LYS:HG2	11	2.55
(1,602)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	11	2.55
(1,602)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	11	2.55
(1,602)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	11	2.55
(1,602)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	11	2.55
(1,408)	1:A:64:ALA:HA	1:A:67:LYS:HG2	9	2.55
(1,408)	1:A:64:ALA:HA	1:B:67:LYS:HG2	9	2.55
(1,408)	1:B:64:ALA:HA	1:A:67:LYS:HG2	9	2.55
(1,408)	1:B:64:ALA:HA	1:B:67:LYS:HG2	9	2.55
(1,224)	1:A:81:LEU:HB2	1:A:56:GLN:HE21	4	2.55
(1,224)	1:A:81:LEU:HB2	1:B:56:GLN:HE21	4	2.55
(1,224)	1:A:81:LEU:HB3	1:A:56:GLN:HE21	4	2.55
(1,224)	1:A:81:LEU:HB3	1:B:56:GLN:HE21	4	2.55
(1,224)	1:B:81:LEU:HB2	1:A:56:GLN:HE21	4	2.55
(1,224)	1:B:81:LEU:HB2	1:B:56:GLN:HE21	4	2.55
(1,224)	1:B:81:LEU:HB3	1:A:56:GLN:HE21	4	2.55
(1,224)	1:B:81:LEU:HB3	1:B:56:GLN:HE21	4	2.55
(1,214)	1:A:81:LEU:HB2	1:A:56:GLN:HE22	3	2.55
(1,214)	1:A:81:LEU:HB2	1:B:56:GLN:HE22	3	2.55
(1,214)	1:A:81:LEU:HB3	1:A:56:GLN:HE22	3	2.55
(1,214)	1:A:81:LEU:HB3	1:B:56:GLN:HE22	3	2.55
(1,214)	1:B:81:LEU:HB2	1:A:56:GLN:HE22	3	2.55
(1,214)	1:B:81:LEU:HB2	1:B:56:GLN:HE22	3	2.55
(1,214)	1:B:81:LEU:HB3	1:A:56:GLN:HE22	3	2.55
(1,214)	1:B:81:LEU:HB3	1:B:56:GLN:HE22	3	2.55
(1,628)	1:A:66:LYS:HG2	1:A:67:LYS:HB2	13	2.54
(1,628)	1:A:66:LYS:HG2	1:B:67:LYS:HB2	13	2.54
(1,628)	1:B:66:LYS:HG2	1:A:67:LYS:HB2	13	2.54
(1,628)	1:B:66:LYS:HG2	1:B:67:LYS:HB2	13	2.54
(1,447)	1:A:81:LEU:HA	1:A:56:GLN:HG2	9	2.54
(1,447)	1:A:81:LEU:HA	1:B:56:GLN:HG2	9	2.54
(1,447)	1:B:81:LEU:HA	1:A:56:GLN:HG2	9	2.54
(1,447)	1:B:81:LEU:HA	1:B:56:GLN:HG2	9	2.54
(1,224)	1:A:81:LEU:HB2	1:A:56:GLN:HE21	10	2.54
(1,224)	1:A:81:LEU:HB2	1:B:56:GLN:HE21	10	2.54
(1,224)	1:A:81:LEU:HB3	1:A:56:GLN:HE21	10	2.54
(1,224)	1:A:81:LEU:HB3	1:B:56:GLN:HE21	10	2.54
(1,224)	1:B:81:LEU:HB2	1:A:56:GLN:HE21	10	2.54
(1,224)	1:B:81:LEU:HB2	1:B:56:GLN:HE21	10	2.54
(1,224)	1:B:81:LEU:HB3	1:A:56:GLN:HE21	10	2.54
(1,224)	1:B:81:LEU:HB3	1:B:56:GLN:HE21	10	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,938)	1:A:76:GLU:N	1:A:72:HIS:O	5	2.53
(1,938)	1:A:76:GLU:N	1:B:72:HIS:O	5	2.53
(1,938)	1:B:76:GLU:N	1:A:72:HIS:O	5	2.53
(1,938)	1:B:76:GLU:N	1:B:72:HIS:O	5	2.53
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG2	9	2.53
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG3	9	2.53
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG2	9	2.53
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG3	9	2.53
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG2	9	2.53
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG3	9	2.53
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG2	9	2.53
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG3	9	2.53
(1,812)	1:A:84:THR:HG21	1:A:60:LEU:HD11	2	2.53
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD11	2	2.53
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD12	2	2.53
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD13	2	2.53
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD21	2	2.53
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD22	2	2.53
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD23	2	2.53
(1,812)	1:A:84:THR:HG22	1:A:60:LEU:HD11	2	2.53
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD11	2	2.53
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD12	2	2.53
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD13	2	2.53
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD21	2	2.53
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD22	2	2.53
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD23	2	2.53
(1,812)	1:A:84:THR:HG23	1:A:60:LEU:HD11	2	2.53
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD11	2	2.53
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD12	2	2.53
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD13	2	2.53
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD21	2	2.53
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD22	2	2.53
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD23	2	2.53
(1,812)	1:B:84:THR:HG21	1:A:60:LEU:HD11	2	2.53
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD11	2	2.53
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD12	2	2.53
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD13	2	2.53
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD21	2	2.53
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD22	2	2.53
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD23	2	2.53
(1,812)	1:B:84:THR:HG22	1:A:60:LEU:HD11	2	2.53
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD11	2	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD12	2	2.53
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD13	2	2.53
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD21	2	2.53
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD22	2	2.53
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD23	2	2.53
(1,812)	1:B:84:THR:HG23	1:A:60:LEU:HD11	2	2.53
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD11	2	2.53
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD12	2	2.53
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD13	2	2.53
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD21	2	2.53
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD22	2	2.53
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD23	2	2.53
(1,812)	1:A:84:THR:HG21	1:A:60:LEU:HD11	7	2.53
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD11	7	2.53
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD12	7	2.53
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD13	7	2.53
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD21	7	2.53
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD22	7	2.53
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD23	7	2.53
(1,812)	1:A:84:THR:HG22	1:A:60:LEU:HD11	7	2.53
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD11	7	2.53
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD12	7	2.53
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD13	7	2.53
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD21	7	2.53
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD22	7	2.53
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD23	7	2.53
(1,812)	1:A:84:THR:HG23	1:A:60:LEU:HD11	7	2.53
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD11	7	2.53
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD12	7	2.53
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD13	7	2.53
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD21	7	2.53
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD22	7	2.53
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD23	7	2.53
(1,812)	1:B:84:THR:HG21	1:A:60:LEU:HD11	7	2.53
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD11	7	2.53
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD12	7	2.53
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD13	7	2.53
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD21	7	2.53
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD22	7	2.53
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD23	7	2.53
(1,812)	1:B:84:THR:HG22	1:A:60:LEU:HD11	7	2.53
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD11	7	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD12	7	2.53
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD13	7	2.53
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD21	7	2.53
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD22	7	2.53
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD23	7	2.53
(1,812)	1:B:84:THR:HG23	1:A:60:LEU:HD11	7	2.53
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD11	7	2.53
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD12	7	2.53
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD13	7	2.53
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD21	7	2.53
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD22	7	2.53
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD23	7	2.53
(1,812)	1:A:84:THR:HG21	1:A:60:LEU:HD11	15	2.53
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD11	15	2.53
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD12	15	2.53
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD13	15	2.53
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD21	15	2.53
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD22	15	2.53
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD23	15	2.53
(1,812)	1:A:84:THR:HG22	1:A:60:LEU:HD11	15	2.53
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD11	15	2.53
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD12	15	2.53
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD13	15	2.53
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD21	15	2.53
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD22	15	2.53
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD23	15	2.53
(1,812)	1:A:84:THR:HG23	1:A:60:LEU:HD11	15	2.53
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD11	15	2.53
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD12	15	2.53
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD13	15	2.53
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD21	15	2.53
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD22	15	2.53
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD23	15	2.53
(1,812)	1:B:84:THR:HG21	1:A:60:LEU:HD11	15	2.53
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD11	15	2.53
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD12	15	2.53
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD13	15	2.53
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD21	15	2.53
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD22	15	2.53
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD23	15	2.53
(1,812)	1:B:84:THR:HG22	1:A:60:LEU:HD11	15	2.53
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD11	15	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD12	15	2.53
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD13	15	2.53
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD21	15	2.53
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD22	15	2.53
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD23	15	2.53
(1,812)	1:B:84:THR:HG23	1:A:60:LEU:HD11	15	2.53
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD11	15	2.53
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD12	15	2.53
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD13	15	2.53
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD21	15	2.53
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD22	15	2.53
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD23	15	2.53
(1,785)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	3	2.53
(1,785)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	3	2.53
(1,785)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	3	2.53
(1,785)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	3	2.53
(1,785)	1:A:64:ALA:HB3	1:A:67:LYS:HG3	3	2.53
(1,785)	1:A:64:ALA:HB3	1:B:67:LYS:HG3	3	2.53
(1,785)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	3	2.53
(1,785)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	3	2.53
(1,785)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	3	2.53
(1,785)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	3	2.53
(1,785)	1:B:64:ALA:HB3	1:A:67:LYS:HG3	3	2.53
(1,785)	1:B:64:ALA:HB3	1:B:67:LYS:HG3	3	2.53
(1,785)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	5	2.53
(1,785)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	5	2.53
(1,785)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	5	2.53
(1,785)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	5	2.53
(1,785)	1:A:64:ALA:HB3	1:A:67:LYS:HG3	5	2.53
(1,785)	1:A:64:ALA:HB3	1:B:67:LYS:HG3	5	2.53
(1,785)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	5	2.53
(1,785)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	5	2.53
(1,785)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	5	2.53
(1,785)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	5	2.53
(1,785)	1:B:64:ALA:HB3	1:A:67:LYS:HG3	5	2.53
(1,785)	1:B:64:ALA:HB3	1:B:67:LYS:HG3	5	2.53
(1,680)	1:A:66:LYS:HG2	1:A:67:LYS:HG3	16	2.53
(1,680)	1:A:66:LYS:HG2	1:B:67:LYS:HG3	16	2.53
(1,680)	1:B:66:LYS:HG2	1:A:67:LYS:HG3	16	2.53
(1,680)	1:B:66:LYS:HG2	1:B:67:LYS:HG3	16	2.53
(1,214)	1:A:81:LEU:HB2	1:A:56:GLN:HE22	17	2.53
(1,214)	1:A:81:LEU:HB2	1:B:56:GLN:HE22	17	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:A:81:LEU:HB3	1:A:56:GLN:HE22	17	2.53
(1,214)	1:A:81:LEU:HB3	1:B:56:GLN:HE22	17	2.53
(1,214)	1:B:81:LEU:HB2	1:A:56:GLN:HE22	17	2.53
(1,214)	1:B:81:LEU:HB2	1:B:56:GLN:HE22	17	2.53
(1,214)	1:B:81:LEU:HB3	1:A:56:GLN:HE22	17	2.53
(1,214)	1:B:81:LEU:HB3	1:B:56:GLN:HE22	17	2.53
(1,815)	1:A:85:VAL:HA	1:A:60:LEU:HD11	12	2.52
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD11	12	2.52
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD12	12	2.52
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD13	12	2.52
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD21	12	2.52
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD22	12	2.52
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD23	12	2.52
(1,815)	1:B:85:VAL:HA	1:A:60:LEU:HD11	12	2.52
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD11	12	2.52
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD12	12	2.52
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD13	12	2.52
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD21	12	2.52
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD22	12	2.52
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD23	12	2.52
(1,585)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	16	2.52
(1,585)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	16	2.52
(1,585)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	16	2.52
(1,585)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	16	2.52
(1,447)	1:A:81:LEU:HA	1:A:56:GLN:HG2	14	2.52
(1,447)	1:A:81:LEU:HA	1:B:56:GLN:HG2	14	2.52
(1,447)	1:B:81:LEU:HA	1:A:56:GLN:HG2	14	2.52
(1,447)	1:B:81:LEU:HA	1:B:56:GLN:HG2	14	2.52
(1,415)	1:A:86:LYS:HD3	1:A:84:THR:HB	10	2.52
(1,415)	1:A:86:LYS:HD3	1:B:84:THR:HB	10	2.52
(1,415)	1:B:86:LYS:HD3	1:A:84:THR:HB	10	2.52
(1,415)	1:B:86:LYS:HD3	1:B:84:THR:HB	10	2.52
(1,237)	1:A:79:ASP:H	1:A:54:LEU:HD11	7	2.52
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD11	7	2.52
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD12	7	2.52
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD13	7	2.52
(1,237)	1:B:79:ASP:H	1:A:54:LEU:HD11	7	2.52
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD11	7	2.52
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD12	7	2.52
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD13	7	2.52
(1,813)	1:A:85:VAL:H	1:A:60:LEU:HD11	17	2.51
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD11	17	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD12	17	2.51
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD13	17	2.51
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD21	17	2.51
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD22	17	2.51
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD23	17	2.51
(1,813)	1:B:85:VAL:H	1:A:60:LEU:HD11	17	2.51
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD11	17	2.51
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD12	17	2.51
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD13	17	2.51
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD21	17	2.51
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD22	17	2.51
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD23	17	2.51
(1,628)	1:A:66:LYS:HG2	1:A:67:LYS:HB2	6	2.51
(1,628)	1:A:66:LYS:HG2	1:B:67:LYS:HB2	6	2.51
(1,628)	1:B:66:LYS:HG2	1:A:67:LYS:HB2	6	2.51
(1,628)	1:B:66:LYS:HG2	1:B:67:LYS:HB2	6	2.51
(1,224)	1:A:81:LEU:HB2	1:A:56:GLN:HE21	7	2.51
(1,224)	1:A:81:LEU:HB2	1:B:56:GLN:HE21	7	2.51
(1,224)	1:A:81:LEU:HB3	1:A:56:GLN:HE21	7	2.51
(1,224)	1:A:81:LEU:HB3	1:B:56:GLN:HE21	7	2.51
(1,224)	1:B:81:LEU:HB2	1:A:56:GLN:HE21	7	2.51
(1,224)	1:B:81:LEU:HB2	1:B:56:GLN:HE21	7	2.51
(1,224)	1:B:81:LEU:HB3	1:A:56:GLN:HE21	7	2.51
(1,224)	1:B:81:LEU:HB3	1:B:56:GLN:HE21	7	2.51
(1,224)	1:A:81:LEU:HB2	1:A:56:GLN:HE21	16	2.51
(1,224)	1:A:81:LEU:HB2	1:B:56:GLN:HE21	16	2.51
(1,224)	1:A:81:LEU:HB3	1:A:56:GLN:HE21	16	2.51
(1,224)	1:A:81:LEU:HB3	1:B:56:GLN:HE21	16	2.51
(1,224)	1:B:81:LEU:HB2	1:A:56:GLN:HE21	16	2.51
(1,224)	1:B:81:LEU:HB2	1:B:56:GLN:HE21	16	2.51
(1,224)	1:B:81:LEU:HB3	1:A:56:GLN:HE21	16	2.51
(1,224)	1:B:81:LEU:HB3	1:B:56:GLN:HE21	16	2.51
(1,943)	1:A:79:ASP:N	1:A:75:LEU:O	9	2.5
(1,943)	1:A:79:ASP:N	1:B:75:LEU:O	9	2.5
(1,943)	1:B:79:ASP:N	1:A:75:LEU:O	9	2.5
(1,943)	1:B:79:ASP:N	1:B:75:LEU:O	9	2.5
(1,938)	1:A:76:GLU:N	1:A:72:HIS:O	15	2.5
(1,938)	1:A:76:GLU:N	1:B:72:HIS:O	15	2.5
(1,938)	1:B:76:GLU:N	1:A:72:HIS:O	15	2.5
(1,938)	1:B:76:GLU:N	1:B:72:HIS:O	15	2.5
(1,812)	1:A:84:THR:HG21	1:A:60:LEU:HD11	1	2.5
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD11	1	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD12	1	2.5
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD13	1	2.5
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD21	1	2.5
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD22	1	2.5
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD23	1	2.5
(1,812)	1:A:84:THR:HG22	1:A:60:LEU:HD11	1	2.5
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD11	1	2.5
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD12	1	2.5
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD13	1	2.5
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD21	1	2.5
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD22	1	2.5
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD23	1	2.5
(1,812)	1:A:84:THR:HG23	1:A:60:LEU:HD11	1	2.5
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD11	1	2.5
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD12	1	2.5
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD13	1	2.5
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD21	1	2.5
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD22	1	2.5
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD23	1	2.5
(1,812)	1:B:84:THR:HG21	1:A:60:LEU:HD11	1	2.5
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD11	1	2.5
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD12	1	2.5
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD13	1	2.5
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD21	1	2.5
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD22	1	2.5
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD23	1	2.5
(1,812)	1:B:84:THR:HG22	1:A:60:LEU:HD11	1	2.5
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD11	1	2.5
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD12	1	2.5
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD13	1	2.5
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD21	1	2.5
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD22	1	2.5
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD23	1	2.5
(1,812)	1:B:84:THR:HG23	1:A:60:LEU:HD11	1	2.5
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD11	1	2.5
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD12	1	2.5
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD13	1	2.5
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD21	1	2.5
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD22	1	2.5
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD23	1	2.5
(1,812)	1:A:84:THR:HG21	1:A:60:LEU:HD11	16	2.5
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD11	16	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD12	16	2.5
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD13	16	2.5
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD21	16	2.5
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD22	16	2.5
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD23	16	2.5
(1,812)	1:A:84:THR:HG22	1:A:60:LEU:HD11	16	2.5
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD11	16	2.5
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD12	16	2.5
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD13	16	2.5
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD21	16	2.5
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD22	16	2.5
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD23	16	2.5
(1,812)	1:A:84:THR:HG23	1:A:60:LEU:HD11	16	2.5
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD11	16	2.5
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD12	16	2.5
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD13	16	2.5
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD21	16	2.5
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD22	16	2.5
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD23	16	2.5
(1,812)	1:B:84:THR:HG21	1:A:60:LEU:HD11	16	2.5
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD11	16	2.5
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD12	16	2.5
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD13	16	2.5
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD21	16	2.5
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD22	16	2.5
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD23	16	2.5
(1,812)	1:B:84:THR:HG22	1:A:60:LEU:HD11	16	2.5
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD11	16	2.5
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD12	16	2.5
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD13	16	2.5
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD21	16	2.5
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD22	16	2.5
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD23	16	2.5
(1,812)	1:B:84:THR:HG23	1:A:60:LEU:HD11	16	2.5
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD11	16	2.5
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD12	16	2.5
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD13	16	2.5
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD21	16	2.5
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD22	16	2.5
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD23	16	2.5
(1,785)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	6	2.5
(1,785)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	6	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	6	2.5
(1,785)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	6	2.5
(1,785)	1:A:64:ALA:HB3	1:A:67:LYS:HG3	6	2.5
(1,785)	1:A:64:ALA:HB3	1:B:67:LYS:HG3	6	2.5
(1,785)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	6	2.5
(1,785)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	6	2.5
(1,785)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	6	2.5
(1,785)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	6	2.5
(1,785)	1:B:64:ALA:HB3	1:A:67:LYS:HG3	6	2.5
(1,785)	1:B:64:ALA:HB3	1:B:67:LYS:HG3	6	2.5
(1,785)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	19	2.5
(1,785)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	19	2.5
(1,785)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	19	2.5
(1,785)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	19	2.5
(1,785)	1:A:64:ALA:HB3	1:A:67:LYS:HG3	19	2.5
(1,785)	1:A:64:ALA:HB3	1:B:67:LYS:HG3	19	2.5
(1,785)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	19	2.5
(1,785)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	19	2.5
(1,785)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	19	2.5
(1,785)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	19	2.5
(1,785)	1:B:64:ALA:HB3	1:A:67:LYS:HG3	19	2.5
(1,785)	1:B:64:ALA:HB3	1:B:67:LYS:HG3	19	2.5
(1,761)	1:A:86:LYS:HD3	1:A:84:THR:H	7	2.5
(1,761)	1:A:86:LYS:HD3	1:B:84:THR:H	7	2.5
(1,761)	1:B:86:LYS:HD3	1:A:84:THR:H	7	2.5
(1,761)	1:B:86:LYS:HD3	1:B:84:THR:H	7	2.5
(1,688)	1:A:86:LYS:HD3	1:A:87:HIS:HB2	17	2.5
(1,688)	1:A:86:LYS:HD3	1:B:87:HIS:HB2	17	2.5
(1,688)	1:B:86:LYS:HD3	1:A:87:HIS:HB2	17	2.5
(1,688)	1:B:86:LYS:HD3	1:B:87:HIS:HB2	17	2.5
(1,627)	1:A:66:LYS:HG2	1:A:67:LYS:HG2	1	2.5
(1,627)	1:A:66:LYS:HG2	1:B:67:LYS:HG2	1	2.5
(1,627)	1:B:66:LYS:HG2	1:A:67:LYS:HG2	1	2.5
(1,627)	1:B:66:LYS:HG2	1:B:67:LYS:HG2	1	2.5
(1,214)	1:A:81:LEU:HB2	1:A:56:GLN:HE22	15	2.5
(1,214)	1:A:81:LEU:HB2	1:B:56:GLN:HE22	15	2.5
(1,214)	1:A:81:LEU:HB3	1:A:56:GLN:HE22	15	2.5
(1,214)	1:A:81:LEU:HB3	1:B:56:GLN:HE22	15	2.5
(1,214)	1:B:81:LEU:HB2	1:A:56:GLN:HE22	15	2.5
(1,214)	1:B:81:LEU:HB2	1:B:56:GLN:HE22	15	2.5
(1,214)	1:B:81:LEU:HB3	1:A:56:GLN:HE22	15	2.5
(1,214)	1:B:81:LEU:HB3	1:B:56:GLN:HE22	15	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,809)	1:A:84:THR:H	1:A:60:LEU:HD11	11	2.49
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD11	11	2.49
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD12	11	2.49
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD13	11	2.49
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD21	11	2.49
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD22	11	2.49
(1,809)	1:A:84:THR:H	1:B:60:LEU:HD23	11	2.49
(1,809)	1:B:84:THR:H	1:A:60:LEU:HD11	11	2.49
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD11	11	2.49
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD12	11	2.49
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD13	11	2.49
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD21	11	2.49
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD22	11	2.49
(1,809)	1:B:84:THR:H	1:B:60:LEU:HD23	11	2.49
(1,789)	1:A:66:LYS:HA	1:A:69:SER:HG	3	2.49
(1,789)	1:A:66:LYS:HA	1:B:69:SER:HG	3	2.49
(1,789)	1:B:66:LYS:HA	1:A:69:SER:HG	3	2.49
(1,789)	1:B:66:LYS:HA	1:B:69:SER:HG	3	2.49
(1,688)	1:A:86:LYS:HD3	1:A:87:HIS:HB2	13	2.49
(1,688)	1:A:86:LYS:HD3	1:B:87:HIS:HB2	13	2.49
(1,688)	1:B:86:LYS:HD3	1:A:87:HIS:HB2	13	2.49
(1,688)	1:B:86:LYS:HD3	1:B:87:HIS:HB2	13	2.49
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB2	17	2.49
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB3	17	2.49
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB2	17	2.49
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB3	17	2.49
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB2	17	2.49
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB3	17	2.49
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB2	17	2.49
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB3	17	2.49
(1,237)	1:A:79:ASP:H	1:A:54:LEU:HD11	1	2.49
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD11	1	2.49
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD12	1	2.49
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD13	1	2.49
(1,237)	1:B:79:ASP:H	1:A:54:LEU:HD11	1	2.49
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD11	1	2.49
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD12	1	2.49
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD13	1	2.49
(1,214)	1:A:81:LEU:HB2	1:A:56:GLN:HE22	8	2.49
(1,214)	1:A:81:LEU:HB2	1:B:56:GLN:HE22	8	2.49
(1,214)	1:A:81:LEU:HB3	1:A:56:GLN:HE22	8	2.49
(1,214)	1:A:81:LEU:HB3	1:B:56:GLN:HE22	8	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:B:81:LEU:HB2	1:A:56:GLN:HE22	8	2.49
(1,214)	1:B:81:LEU:HB2	1:B:56:GLN:HE22	8	2.49
(1,214)	1:B:81:LEU:HB3	1:A:56:GLN:HE22	8	2.49
(1,214)	1:B:81:LEU:HB3	1:B:56:GLN:HE22	8	2.49
(1,943)	1:A:79:ASP:N	1:A:75:LEU:O	7	2.48
(1,943)	1:A:79:ASP:N	1:B:75:LEU:O	7	2.48
(1,943)	1:B:79:ASP:N	1:A:75:LEU:O	7	2.48
(1,943)	1:B:79:ASP:N	1:B:75:LEU:O	7	2.48
(1,942)	1:A:79:ASP:H	1:A:75:LEU:O	19	2.48
(1,942)	1:A:79:ASP:H	1:B:75:LEU:O	19	2.48
(1,942)	1:B:79:ASP:H	1:A:75:LEU:O	19	2.48
(1,942)	1:B:79:ASP:H	1:B:75:LEU:O	19	2.48
(1,835)	1:A:87:HIS:HD1	1:A:67:LYS:HD2	8	2.48
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD2	8	2.48
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD3	8	2.48
(1,835)	1:A:87:HIS:HD2	1:A:67:LYS:HD2	8	2.48
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD2	8	2.48
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD3	8	2.48
(1,835)	1:B:87:HIS:HD1	1:A:67:LYS:HD2	8	2.48
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD2	8	2.48
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD3	8	2.48
(1,835)	1:B:87:HIS:HD2	1:A:67:LYS:HD2	8	2.48
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD2	8	2.48
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD3	8	2.48
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG2	7	2.48
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG3	7	2.48
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG2	7	2.48
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG3	7	2.48
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG2	7	2.48
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG3	7	2.48
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG2	7	2.48
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG3	7	2.48
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG2	17	2.48
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG3	17	2.48
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG2	17	2.48
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG3	17	2.48
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG2	17	2.48
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG3	17	2.48
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG2	17	2.48
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG3	17	2.48
(1,813)	1:A:85:VAL:H	1:A:60:LEU:HD11	3	2.48
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD11	3	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD12	3	2.48
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD13	3	2.48
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD21	3	2.48
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD22	3	2.48
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD23	3	2.48
(1,813)	1:B:85:VAL:H	1:A:60:LEU:HD11	3	2.48
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD11	3	2.48
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD12	3	2.48
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD13	3	2.48
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD21	3	2.48
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD22	3	2.48
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD23	3	2.48
(1,813)	1:A:85:VAL:H	1:A:60:LEU:HD11	9	2.48
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD11	9	2.48
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD12	9	2.48
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD13	9	2.48
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD21	9	2.48
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD22	9	2.48
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD23	9	2.48
(1,813)	1:B:85:VAL:H	1:A:60:LEU:HD11	9	2.48
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD11	9	2.48
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD12	9	2.48
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD13	9	2.48
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD21	9	2.48
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD22	9	2.48
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD23	9	2.48
(1,603)	1:A:64:ALA:HB2	1:A:67:LYS:HG2	8	2.48
(1,603)	1:A:64:ALA:HB2	1:B:67:LYS:HG2	8	2.48
(1,603)	1:B:64:ALA:HB2	1:A:67:LYS:HG2	8	2.48
(1,603)	1:B:64:ALA:HB2	1:B:67:LYS:HG2	8	2.48
(1,585)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	4	2.48
(1,585)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	4	2.48
(1,585)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	4	2.48
(1,585)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	4	2.48
(1,943)	1:A:79:ASP:N	1:A:75:LEU:O	3	2.47
(1,943)	1:A:79:ASP:N	1:B:75:LEU:O	3	2.47
(1,943)	1:B:79:ASP:N	1:A:75:LEU:O	3	2.47
(1,943)	1:B:79:ASP:N	1:B:75:LEU:O	3	2.47
(1,451)	1:A:81:LEU:HA	1:A:56:GLN:HG3	14	2.47
(1,451)	1:A:81:LEU:HA	1:B:56:GLN:HG3	14	2.47
(1,451)	1:B:81:LEU:HA	1:A:56:GLN:HG3	14	2.47
(1,451)	1:B:81:LEU:HA	1:B:56:GLN:HG3	14	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG2	6	2.46
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG3	6	2.46
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG2	6	2.46
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG3	6	2.46
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG2	6	2.46
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG3	6	2.46
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG2	6	2.46
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG3	6	2.46
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG2	20	2.46
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG3	20	2.46
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG2	20	2.46
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG3	20	2.46
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG2	20	2.46
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG3	20	2.46
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG2	20	2.46
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG3	20	2.46
(1,785)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	1	2.46
(1,785)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	1	2.46
(1,785)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	1	2.46
(1,785)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	1	2.46
(1,785)	1:A:64:ALA:HB3	1:A:67:LYS:HG3	1	2.46
(1,785)	1:A:64:ALA:HB3	1:B:67:LYS:HG3	1	2.46
(1,785)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	1	2.46
(1,785)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	1	2.46
(1,785)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	1	2.46
(1,785)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	1	2.46
(1,785)	1:B:64:ALA:HB3	1:A:67:LYS:HG3	1	2.46
(1,785)	1:B:64:ALA:HB3	1:B:67:LYS:HG3	1	2.46
(1,785)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	11	2.46
(1,785)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	11	2.46
(1,785)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	11	2.46
(1,785)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	11	2.46
(1,785)	1:A:64:ALA:HB3	1:A:67:LYS:HG3	11	2.46
(1,785)	1:A:64:ALA:HB3	1:B:67:LYS:HG3	11	2.46
(1,785)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	11	2.46
(1,785)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	11	2.46
(1,785)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	11	2.46
(1,785)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	11	2.46
(1,785)	1:B:64:ALA:HB3	1:A:67:LYS:HG3	11	2.46
(1,785)	1:B:64:ALA:HB3	1:B:67:LYS:HG3	11	2.46
(1,176)	1:A:75:LEU:HA	1:A:78:ALA:H	3	2.46
(1,176)	1:A:75:LEU:HA	1:B:78:ALA:H	3	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:B:75:LEU:HA	1:A:78:ALA:H	3	2.46
(1,176)	1:B:75:LEU:HA	1:B:78:ALA:H	3	2.46
(1,942)	1:A:79:ASP:H	1:A:75:LEU:O	1	2.45
(1,942)	1:A:79:ASP:H	1:B:75:LEU:O	1	2.45
(1,942)	1:B:79:ASP:H	1:A:75:LEU:O	1	2.45
(1,942)	1:B:79:ASP:H	1:B:75:LEU:O	1	2.45
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG2	1	2.45
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG3	1	2.45
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG2	1	2.45
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG3	1	2.45
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG2	1	2.45
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG3	1	2.45
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG2	1	2.45
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG3	1	2.45
(1,813)	1:A:85:VAL:H	1:A:60:LEU:HD11	13	2.45
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD11	13	2.45
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD12	13	2.45
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD13	13	2.45
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD21	13	2.45
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD22	13	2.45
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD23	13	2.45
(1,813)	1:B:85:VAL:H	1:A:60:LEU:HD11	13	2.45
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD11	13	2.45
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD12	13	2.45
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD13	13	2.45
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD21	13	2.45
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD22	13	2.45
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD23	13	2.45
(1,789)	1:A:66:LYS:HA	1:A:69:SER:HG	10	2.45
(1,789)	1:A:66:LYS:HA	1:B:69:SER:HG	10	2.45
(1,789)	1:B:66:LYS:HA	1:A:69:SER:HG	10	2.45
(1,789)	1:B:66:LYS:HA	1:B:69:SER:HG	10	2.45
(1,628)	1:A:66:LYS:HG2	1:A:67:LYS:HB2	4	2.45
(1,628)	1:A:66:LYS:HG2	1:B:67:LYS:HB2	4	2.45
(1,628)	1:B:66:LYS:HG2	1:A:67:LYS:HB2	4	2.45
(1,628)	1:B:66:LYS:HG2	1:B:67:LYS:HB2	4	2.45
(1,585)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	7	2.45
(1,585)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	7	2.45
(1,585)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	7	2.45
(1,585)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	7	2.45
(1,176)	1:A:75:LEU:HA	1:A:78:ALA:H	18	2.45
(1,176)	1:A:75:LEU:HA	1:B:78:ALA:H	18	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:B:75:LEU:HA	1:A:78:ALA:H	18	2.45
(1,176)	1:B:75:LEU:HA	1:B:78:ALA:H	18	2.45
(1,815)	1:A:85:VAL:HA	1:A:60:LEU:HD11	7	2.44
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD11	7	2.44
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD12	7	2.44
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD13	7	2.44
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD21	7	2.44
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD22	7	2.44
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD23	7	2.44
(1,815)	1:B:85:VAL:HA	1:A:60:LEU:HD11	7	2.44
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD11	7	2.44
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD12	7	2.44
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD13	7	2.44
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD21	7	2.44
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD22	7	2.44
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD23	7	2.44
(1,812)	1:A:84:THR:HG21	1:A:60:LEU:HD11	14	2.44
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD11	14	2.44
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD12	14	2.44
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD13	14	2.44
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD21	14	2.44
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD22	14	2.44
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD23	14	2.44
(1,812)	1:A:84:THR:HG22	1:A:60:LEU:HD11	14	2.44
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD11	14	2.44
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD12	14	2.44
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD13	14	2.44
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD21	14	2.44
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD22	14	2.44
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD23	14	2.44
(1,812)	1:A:84:THR:HG23	1:A:60:LEU:HD11	14	2.44
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD11	14	2.44
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD12	14	2.44
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD13	14	2.44
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD21	14	2.44
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD22	14	2.44
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD23	14	2.44
(1,812)	1:B:84:THR:HG21	1:A:60:LEU:HD11	14	2.44
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD11	14	2.44
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD12	14	2.44
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD13	14	2.44
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD21	14	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD22	14	2.44
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD23	14	2.44
(1,812)	1:B:84:THR:HG22	1:A:60:LEU:HD11	14	2.44
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD11	14	2.44
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD12	14	2.44
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD13	14	2.44
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD21	14	2.44
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD22	14	2.44
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD23	14	2.44
(1,812)	1:B:84:THR:HG23	1:A:60:LEU:HD11	14	2.44
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD11	14	2.44
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD12	14	2.44
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD13	14	2.44
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD21	14	2.44
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD22	14	2.44
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD23	14	2.44
(1,789)	1:A:66:LYS:HA	1:A:69:SER:HG	14	2.44
(1,789)	1:A:66:LYS:HA	1:B:69:SER:HG	14	2.44
(1,789)	1:B:66:LYS:HA	1:A:69:SER:HG	14	2.44
(1,789)	1:B:66:LYS:HA	1:B:69:SER:HG	14	2.44
(1,680)	1:A:66:LYS:HG2	1:A:67:LYS:HG3	15	2.44
(1,680)	1:A:66:LYS:HG2	1:B:67:LYS:HG3	15	2.44
(1,680)	1:B:66:LYS:HG2	1:A:67:LYS:HG3	15	2.44
(1,680)	1:B:66:LYS:HG2	1:B:67:LYS:HG3	15	2.44
(1,585)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	17	2.44
(1,585)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	17	2.44
(1,585)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	17	2.44
(1,585)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	17	2.44
(1,308)	1:A:90:ASN:H	1:A:65:LEU:HG	10	2.44
(1,308)	1:A:90:ASN:H	1:B:65:LEU:HG	10	2.44
(1,308)	1:B:90:ASN:H	1:A:65:LEU:HG	10	2.44
(1,308)	1:B:90:ASN:H	1:B:65:LEU:HG	10	2.44
(1,214)	1:A:81:LEU:HB2	1:A:56:GLN:HE22	19	2.44
(1,214)	1:A:81:LEU:HB2	1:B:56:GLN:HE22	19	2.44
(1,214)	1:A:81:LEU:HB3	1:A:56:GLN:HE22	19	2.44
(1,214)	1:A:81:LEU:HB3	1:B:56:GLN:HE22	19	2.44
(1,214)	1:B:81:LEU:HB2	1:A:56:GLN:HE22	19	2.44
(1,214)	1:B:81:LEU:HB2	1:B:56:GLN:HE22	19	2.44
(1,214)	1:B:81:LEU:HB3	1:A:56:GLN:HE22	19	2.44
(1,214)	1:B:81:LEU:HB3	1:B:56:GLN:HE22	19	2.44
(1,176)	1:A:75:LEU:HA	1:A:78:ALA:H	17	2.44
(1,176)	1:A:75:LEU:HA	1:B:78:ALA:H	17	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:B:75:LEU:HA	1:A:78:ALA:H	17	2.44
(1,176)	1:B:75:LEU:HA	1:B:78:ALA:H	17	2.44
(1,942)	1:A:79:ASP:H	1:A:75:LEU:O	6	2.43
(1,942)	1:A:79:ASP:H	1:B:75:LEU:O	6	2.43
(1,942)	1:B:79:ASP:H	1:A:75:LEU:O	6	2.43
(1,942)	1:B:79:ASP:H	1:B:75:LEU:O	6	2.43
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG2	11	2.43
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG3	11	2.43
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG2	11	2.43
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG3	11	2.43
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG2	11	2.43
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG3	11	2.43
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG2	11	2.43
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG3	11	2.43
(1,628)	1:A:66:LYS:HG2	1:A:67:LYS:HB2	12	2.43
(1,628)	1:A:66:LYS:HG2	1:B:67:LYS:HB2	12	2.43
(1,628)	1:B:66:LYS:HG2	1:A:67:LYS:HB2	12	2.43
(1,628)	1:B:66:LYS:HG2	1:B:67:LYS:HB2	12	2.43
(1,601)	1:A:64:ALA:HB1	1:A:67:LYS:HG2	9	2.43
(1,601)	1:A:64:ALA:HB1	1:B:67:LYS:HG2	9	2.43
(1,601)	1:B:64:ALA:HB1	1:A:67:LYS:HG2	9	2.43
(1,601)	1:B:64:ALA:HB1	1:B:67:LYS:HG2	9	2.43
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB2	5	2.43
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB3	5	2.43
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB2	5	2.43
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB3	5	2.43
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB2	5	2.43
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB3	5	2.43
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB2	5	2.43
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB3	5	2.43
(1,408)	1:A:64:ALA:HA	1:A:67:LYS:HG2	2	2.43
(1,408)	1:A:64:ALA:HA	1:B:67:LYS:HG2	2	2.43
(1,408)	1:B:64:ALA:HA	1:A:67:LYS:HG2	2	2.43
(1,408)	1:B:64:ALA:HA	1:B:67:LYS:HG2	2	2.43
(1,812)	1:A:84:THR:HG21	1:A:60:LEU:HD11	20	2.42
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD11	20	2.42
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD12	20	2.42
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD13	20	2.42
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD21	20	2.42
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD22	20	2.42
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD23	20	2.42
(1,812)	1:A:84:THR:HG22	1:A:60:LEU:HD11	20	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD11	20	2.42
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD12	20	2.42
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD13	20	2.42
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD21	20	2.42
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD22	20	2.42
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD23	20	2.42
(1,812)	1:A:84:THR:HG23	1:A:60:LEU:HD11	20	2.42
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD11	20	2.42
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD12	20	2.42
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD13	20	2.42
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD21	20	2.42
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD22	20	2.42
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD23	20	2.42
(1,812)	1:B:84:THR:HG21	1:A:60:LEU:HD11	20	2.42
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD11	20	2.42
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD12	20	2.42
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD13	20	2.42
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD21	20	2.42
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD22	20	2.42
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD23	20	2.42
(1,812)	1:B:84:THR:HG22	1:A:60:LEU:HD11	20	2.42
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD11	20	2.42
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD12	20	2.42
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD13	20	2.42
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD21	20	2.42
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD22	20	2.42
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD23	20	2.42
(1,812)	1:B:84:THR:HG23	1:A:60:LEU:HD11	20	2.42
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD11	20	2.42
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD12	20	2.42
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD13	20	2.42
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD21	20	2.42
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD22	20	2.42
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD23	20	2.42
(1,224)	1:A:81:LEU:HB2	1:A:56:GLN:HE21	11	2.42
(1,224)	1:A:81:LEU:HB2	1:B:56:GLN:HE21	11	2.42
(1,224)	1:A:81:LEU:HB3	1:A:56:GLN:HE21	11	2.42
(1,224)	1:A:81:LEU:HB3	1:B:56:GLN:HE21	11	2.42
(1,224)	1:B:81:LEU:HB2	1:A:56:GLN:HE21	11	2.42
(1,224)	1:B:81:LEU:HB2	1:B:56:GLN:HE21	11	2.42
(1,224)	1:B:81:LEU:HB3	1:A:56:GLN:HE21	11	2.42
(1,224)	1:B:81:LEU:HB3	1:B:56:GLN:HE21	11	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,224)	1:A:81:LEU:HB2	1:A:56:GLN:HE21	18	2.42
(1,224)	1:A:81:LEU:HB2	1:B:56:GLN:HE21	18	2.42
(1,224)	1:A:81:LEU:HB3	1:A:56:GLN:HE21	18	2.42
(1,224)	1:A:81:LEU:HB3	1:B:56:GLN:HE21	18	2.42
(1,224)	1:B:81:LEU:HB2	1:A:56:GLN:HE21	18	2.42
(1,224)	1:B:81:LEU:HB2	1:B:56:GLN:HE21	18	2.42
(1,224)	1:B:81:LEU:HB3	1:A:56:GLN:HE21	18	2.42
(1,224)	1:B:81:LEU:HB3	1:B:56:GLN:HE21	18	2.42
(1,176)	1:A:75:LEU:HA	1:A:78:ALA:H	5	2.42
(1,176)	1:A:75:LEU:HA	1:B:78:ALA:H	5	2.42
(1,176)	1:B:75:LEU:HA	1:A:78:ALA:H	5	2.42
(1,176)	1:B:75:LEU:HA	1:B:78:ALA:H	5	2.42
(1,176)	1:A:75:LEU:HA	1:A:78:ALA:H	7	2.42
(1,176)	1:A:75:LEU:HA	1:B:78:ALA:H	7	2.42
(1,176)	1:B:75:LEU:HA	1:A:78:ALA:H	7	2.42
(1,176)	1:B:75:LEU:HA	1:B:78:ALA:H	7	2.42
(1,176)	1:A:75:LEU:HA	1:A:78:ALA:H	8	2.42
(1,176)	1:A:75:LEU:HA	1:B:78:ALA:H	8	2.42
(1,176)	1:B:75:LEU:HA	1:A:78:ALA:H	8	2.42
(1,176)	1:B:75:LEU:HA	1:B:78:ALA:H	8	2.42
(1,943)	1:A:79:ASP:N	1:A:75:LEU:O	20	2.41
(1,943)	1:A:79:ASP:N	1:B:75:LEU:O	20	2.41
(1,943)	1:B:79:ASP:N	1:A:75:LEU:O	20	2.41
(1,943)	1:B:79:ASP:N	1:B:75:LEU:O	20	2.41
(1,938)	1:A:76:GLU:N	1:A:72:HIS:O	1	2.41
(1,938)	1:A:76:GLU:N	1:B:72:HIS:O	1	2.41
(1,938)	1:B:76:GLU:N	1:A:72:HIS:O	1	2.41
(1,938)	1:B:76:GLU:N	1:B:72:HIS:O	1	2.41
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG2	12	2.41
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG3	12	2.41
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG2	12	2.41
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG3	12	2.41
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG2	12	2.41
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG3	12	2.41
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG2	12	2.41
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG3	12	2.41
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD11	8	2.41
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD12	8	2.41
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD13	8	2.41
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD11	8	2.41
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD12	8	2.41
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD13	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD11	8	2.41
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD12	8	2.41
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD13	8	2.41
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD11	8	2.41
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD12	8	2.41
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD13	8	2.41
(1,628)	1:A:66:LYS:HG2	1:A:67:LYS:HB2	5	2.41
(1,628)	1:A:66:LYS:HG2	1:B:67:LYS:HB2	5	2.41
(1,628)	1:B:66:LYS:HG2	1:A:67:LYS:HB2	5	2.41
(1,628)	1:B:66:LYS:HG2	1:B:67:LYS:HB2	5	2.41
(1,237)	1:A:79:ASP:H	1:A:54:LEU:HD11	11	2.41
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD11	11	2.41
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD12	11	2.41
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD13	11	2.41
(1,237)	1:B:79:ASP:H	1:A:54:LEU:HD11	11	2.41
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD11	11	2.41
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD12	11	2.41
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD13	11	2.41
(1,214)	1:A:81:LEU:HB2	1:A:56:GLN:HE22	13	2.41
(1,214)	1:A:81:LEU:HB2	1:B:56:GLN:HE22	13	2.41
(1,214)	1:A:81:LEU:HB3	1:A:56:GLN:HE22	13	2.41
(1,214)	1:A:81:LEU:HB3	1:B:56:GLN:HE22	13	2.41
(1,214)	1:B:81:LEU:HB2	1:A:56:GLN:HE22	13	2.41
(1,214)	1:B:81:LEU:HB2	1:B:56:GLN:HE22	13	2.41
(1,214)	1:B:81:LEU:HB3	1:A:56:GLN:HE22	13	2.41
(1,214)	1:B:81:LEU:HB3	1:B:56:GLN:HE22	13	2.41
(1,837)	1:A:87:HIS:HD1	1:A:93:ARG:H	3	2.4
(1,837)	1:A:87:HIS:HD1	1:B:93:ARG:H	3	2.4
(1,837)	1:A:87:HIS:HD2	1:A:93:ARG:H	3	2.4
(1,837)	1:A:87:HIS:HD2	1:B:93:ARG:H	3	2.4
(1,837)	1:B:87:HIS:HD1	1:A:93:ARG:H	3	2.4
(1,837)	1:B:87:HIS:HD1	1:B:93:ARG:H	3	2.4
(1,837)	1:B:87:HIS:HD2	1:A:93:ARG:H	3	2.4
(1,837)	1:B:87:HIS:HD2	1:B:93:ARG:H	3	2.4
(1,785)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	20	2.4
(1,785)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	20	2.4
(1,785)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	20	2.4
(1,785)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	20	2.4
(1,785)	1:A:64:ALA:HB3	1:A:67:LYS:HG3	20	2.4
(1,785)	1:A:64:ALA:HB3	1:B:67:LYS:HG3	20	2.4
(1,785)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	20	2.4
(1,785)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	20	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	20	2.4
(1,785)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	20	2.4
(1,785)	1:B:64:ALA:HB3	1:A:67:LYS:HG3	20	2.4
(1,785)	1:B:64:ALA:HB3	1:B:67:LYS:HG3	20	2.4
(1,761)	1:A:86:LYS:HD3	1:A:84:THR:H	17	2.4
(1,761)	1:A:86:LYS:HD3	1:B:84:THR:H	17	2.4
(1,761)	1:B:86:LYS:HD3	1:A:84:THR:H	17	2.4
(1,761)	1:B:86:LYS:HD3	1:B:84:THR:H	17	2.4
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB2	13	2.4
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB3	13	2.4
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB2	13	2.4
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB3	13	2.4
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB2	13	2.4
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB3	13	2.4
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB2	13	2.4
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB3	13	2.4
(1,237)	1:A:79:ASP:H	1:A:54:LEU:HD11	13	2.4
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD11	13	2.4
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD12	13	2.4
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD13	13	2.4
(1,237)	1:B:79:ASP:H	1:A:54:LEU:HD11	13	2.4
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD11	13	2.4
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD12	13	2.4
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD13	13	2.4
(1,237)	1:A:79:ASP:H	1:A:54:LEU:HD11	18	2.4
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD11	18	2.4
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD12	18	2.4
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD13	18	2.4
(1,237)	1:B:79:ASP:H	1:A:54:LEU:HD11	18	2.4
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD11	18	2.4
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD12	18	2.4
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD13	18	2.4
(1,176)	1:A:75:LEU:HA	1:A:78:ALA:H	6	2.4
(1,176)	1:A:75:LEU:HA	1:B:78:ALA:H	6	2.4
(1,176)	1:B:75:LEU:HA	1:A:78:ALA:H	6	2.4
(1,176)	1:B:75:LEU:HA	1:B:78:ALA:H	6	2.4
(1,176)	1:A:75:LEU:HA	1:A:78:ALA:H	10	2.4
(1,176)	1:A:75:LEU:HA	1:B:78:ALA:H	10	2.4
(1,176)	1:B:75:LEU:HA	1:A:78:ALA:H	10	2.4
(1,176)	1:B:75:LEU:HA	1:B:78:ALA:H	10	2.4
(1,176)	1:A:75:LEU:HA	1:A:78:ALA:H	20	2.4
(1,176)	1:A:75:LEU:HA	1:B:78:ALA:H	20	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:B:75:LEU:HA	1:A:78:ALA:H	20	2.4
(1,176)	1:B:75:LEU:HA	1:B:78:ALA:H	20	2.4
(1,942)	1:A:79:ASP:H	1:A:75:LEU:O	2	2.39
(1,942)	1:A:79:ASP:H	1:B:75:LEU:O	2	2.39
(1,942)	1:B:79:ASP:H	1:A:75:LEU:O	2	2.39
(1,942)	1:B:79:ASP:H	1:B:75:LEU:O	2	2.39
(1,815)	1:A:85:VAL:HA	1:A:60:LEU:HD11	1	2.39
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD11	1	2.39
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD12	1	2.39
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD13	1	2.39
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD21	1	2.39
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD22	1	2.39
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD23	1	2.39
(1,815)	1:B:85:VAL:HA	1:A:60:LEU:HD11	1	2.39
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD11	1	2.39
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD12	1	2.39
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD13	1	2.39
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD21	1	2.39
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD22	1	2.39
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD23	1	2.39
(1,815)	1:A:85:VAL:HA	1:A:60:LEU:HD11	16	2.39
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD11	16	2.39
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD12	16	2.39
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD13	16	2.39
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD21	16	2.39
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD22	16	2.39
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD23	16	2.39
(1,815)	1:B:85:VAL:HA	1:A:60:LEU:HD11	16	2.39
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD11	16	2.39
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD12	16	2.39
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD13	16	2.39
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD21	16	2.39
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD22	16	2.39
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD23	16	2.39
(1,761)	1:A:86:LYS:HD3	1:A:84:THR:H	13	2.39
(1,761)	1:A:86:LYS:HD3	1:B:84:THR:H	13	2.39
(1,761)	1:B:86:LYS:HD3	1:A:84:THR:H	13	2.39
(1,761)	1:B:86:LYS:HD3	1:B:84:THR:H	13	2.39
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB2	1	2.39
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB3	1	2.39
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB2	1	2.39
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB3	1	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB2	1	2.39
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB3	1	2.39
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB2	1	2.39
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB3	1	2.39
(1,176)	1:A:75:LEU:HA	1:A:78:ALA:H	1	2.39
(1,176)	1:A:75:LEU:HA	1:B:78:ALA:H	1	2.39
(1,176)	1:B:75:LEU:HA	1:A:78:ALA:H	1	2.39
(1,176)	1:B:75:LEU:HA	1:B:78:ALA:H	1	2.39
(1,176)	1:A:75:LEU:HA	1:A:78:ALA:H	15	2.39
(1,176)	1:A:75:LEU:HA	1:B:78:ALA:H	15	2.39
(1,176)	1:B:75:LEU:HA	1:A:78:ALA:H	15	2.39
(1,176)	1:B:75:LEU:HA	1:B:78:ALA:H	15	2.39
(1,943)	1:A:79:ASP:N	1:A:75:LEU:O	11	2.38
(1,943)	1:A:79:ASP:N	1:B:75:LEU:O	11	2.38
(1,943)	1:B:79:ASP:N	1:A:75:LEU:O	11	2.38
(1,943)	1:B:79:ASP:N	1:B:75:LEU:O	11	2.38
(1,943)	1:A:79:ASP:N	1:A:75:LEU:O	13	2.38
(1,943)	1:A:79:ASP:N	1:B:75:LEU:O	13	2.38
(1,943)	1:B:79:ASP:N	1:A:75:LEU:O	13	2.38
(1,943)	1:B:79:ASP:N	1:B:75:LEU:O	13	2.38
(1,943)	1:A:79:ASP:N	1:A:75:LEU:O	16	2.38
(1,943)	1:A:79:ASP:N	1:B:75:LEU:O	16	2.38
(1,943)	1:B:79:ASP:N	1:A:75:LEU:O	16	2.38
(1,943)	1:B:79:ASP:N	1:B:75:LEU:O	16	2.38
(1,938)	1:A:76:GLU:N	1:A:72:HIS:O	2	2.38
(1,938)	1:A:76:GLU:N	1:B:72:HIS:O	2	2.38
(1,938)	1:B:76:GLU:N	1:A:72:HIS:O	2	2.38
(1,938)	1:B:76:GLU:N	1:B:72:HIS:O	2	2.38
(1,938)	1:A:76:GLU:N	1:A:72:HIS:O	12	2.38
(1,938)	1:A:76:GLU:N	1:B:72:HIS:O	12	2.38
(1,938)	1:B:76:GLU:N	1:A:72:HIS:O	12	2.38
(1,938)	1:B:76:GLU:N	1:B:72:HIS:O	12	2.38
(1,785)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	4	2.38
(1,785)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	4	2.38
(1,785)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	4	2.38
(1,785)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	4	2.38
(1,785)	1:A:64:ALA:HB3	1:A:67:LYS:HG3	4	2.38
(1,785)	1:A:64:ALA:HB3	1:B:67:LYS:HG3	4	2.38
(1,785)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	4	2.38
(1,785)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	4	2.38
(1,785)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	4	2.38
(1,785)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	4	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:B:64:ALA:HB3	1:A:67:LYS:HG3	4	2.38
(1,785)	1:B:64:ALA:HB3	1:B:67:LYS:HG3	4	2.38
(1,224)	1:A:81:LEU:HB2	1:A:56:GLN:HE21	17	2.38
(1,224)	1:A:81:LEU:HB2	1:B:56:GLN:HE21	17	2.38
(1,224)	1:A:81:LEU:HB3	1:A:56:GLN:HE21	17	2.38
(1,224)	1:A:81:LEU:HB3	1:B:56:GLN:HE21	17	2.38
(1,224)	1:B:81:LEU:HB2	1:A:56:GLN:HE21	17	2.38
(1,224)	1:B:81:LEU:HB2	1:B:56:GLN:HE21	17	2.38
(1,224)	1:B:81:LEU:HB3	1:A:56:GLN:HE21	17	2.38
(1,224)	1:B:81:LEU:HB3	1:B:56:GLN:HE21	17	2.38
(1,176)	1:A:75:LEU:HA	1:A:78:ALA:H	12	2.38
(1,176)	1:A:75:LEU:HA	1:B:78:ALA:H	12	2.38
(1,176)	1:B:75:LEU:HA	1:A:78:ALA:H	12	2.38
(1,176)	1:B:75:LEU:HA	1:B:78:ALA:H	12	2.38
(1,837)	1:A:87:HIS:HD1	1:A:93:ARG:H	13	2.37
(1,837)	1:A:87:HIS:HD1	1:B:93:ARG:H	13	2.37
(1,837)	1:A:87:HIS:HD2	1:A:93:ARG:H	13	2.37
(1,837)	1:A:87:HIS:HD2	1:B:93:ARG:H	13	2.37
(1,837)	1:B:87:HIS:HD1	1:A:93:ARG:H	13	2.37
(1,837)	1:B:87:HIS:HD1	1:B:93:ARG:H	13	2.37
(1,837)	1:B:87:HIS:HD2	1:A:93:ARG:H	13	2.37
(1,837)	1:B:87:HIS:HD2	1:B:93:ARG:H	13	2.37
(1,628)	1:A:66:LYS:HG2	1:A:67:LYS:HB2	11	2.37
(1,628)	1:A:66:LYS:HG2	1:B:67:LYS:HB2	11	2.37
(1,628)	1:B:66:LYS:HG2	1:A:67:LYS:HB2	11	2.37
(1,628)	1:B:66:LYS:HG2	1:B:67:LYS:HB2	11	2.37
(1,627)	1:A:66:LYS:HG2	1:A:67:LYS:HG2	14	2.37
(1,627)	1:A:66:LYS:HG2	1:B:67:LYS:HG2	14	2.37
(1,627)	1:B:66:LYS:HG2	1:A:67:LYS:HG2	14	2.37
(1,627)	1:B:66:LYS:HG2	1:B:67:LYS:HG2	14	2.37
(1,601)	1:A:64:ALA:HB1	1:A:67:LYS:HG2	16	2.37
(1,601)	1:A:64:ALA:HB1	1:B:67:LYS:HG2	16	2.37
(1,601)	1:B:64:ALA:HB1	1:A:67:LYS:HG2	16	2.37
(1,601)	1:B:64:ALA:HB1	1:B:67:LYS:HG2	16	2.37
(1,176)	1:A:75:LEU:HA	1:A:78:ALA:H	4	2.37
(1,176)	1:A:75:LEU:HA	1:B:78:ALA:H	4	2.37
(1,176)	1:B:75:LEU:HA	1:A:78:ALA:H	4	2.37
(1,176)	1:B:75:LEU:HA	1:B:78:ALA:H	4	2.37
(1,943)	1:A:79:ASP:N	1:A:75:LEU:O	5	2.36
(1,943)	1:A:79:ASP:N	1:B:75:LEU:O	5	2.36
(1,943)	1:B:79:ASP:N	1:A:75:LEU:O	5	2.36
(1,943)	1:B:79:ASP:N	1:B:75:LEU:O	5	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:A:84:THR:HG21	1:A:60:LEU:HD11	4	2.36
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD11	4	2.36
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD12	4	2.36
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD13	4	2.36
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD21	4	2.36
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD22	4	2.36
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD23	4	2.36
(1,812)	1:A:84:THR:HG22	1:A:60:LEU:HD11	4	2.36
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD11	4	2.36
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD12	4	2.36
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD13	4	2.36
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD21	4	2.36
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD22	4	2.36
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD23	4	2.36
(1,812)	1:A:84:THR:HG23	1:A:60:LEU:HD11	4	2.36
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD11	4	2.36
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD12	4	2.36
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD13	4	2.36
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD21	4	2.36
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD22	4	2.36
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD23	4	2.36
(1,812)	1:B:84:THR:HG21	1:A:60:LEU:HD11	4	2.36
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD11	4	2.36
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD12	4	2.36
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD13	4	2.36
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD21	4	2.36
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD22	4	2.36
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD23	4	2.36
(1,812)	1:B:84:THR:HG22	1:A:60:LEU:HD11	4	2.36
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD11	4	2.36
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD12	4	2.36
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD13	4	2.36
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD21	4	2.36
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD22	4	2.36
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD23	4	2.36
(1,812)	1:B:84:THR:HG23	1:A:60:LEU:HD11	4	2.36
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD11	4	2.36
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD12	4	2.36
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD13	4	2.36
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD21	4	2.36
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD22	4	2.36
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD23	4	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:A:66:LYS:HG2	1:A:67:LYS:HG3	17	2.36
(1,680)	1:A:66:LYS:HG2	1:B:67:LYS:HG3	17	2.36
(1,680)	1:B:66:LYS:HG2	1:A:67:LYS:HG3	17	2.36
(1,680)	1:B:66:LYS:HG2	1:B:67:LYS:HG3	17	2.36
(1,943)	1:A:79:ASP:N	1:A:75:LEU:O	10	2.35
(1,943)	1:A:79:ASP:N	1:B:75:LEU:O	10	2.35
(1,943)	1:B:79:ASP:N	1:A:75:LEU:O	10	2.35
(1,943)	1:B:79:ASP:N	1:B:75:LEU:O	10	2.35
(1,837)	1:A:87:HIS:HD1	1:A:93:ARG:H	20	2.35
(1,837)	1:A:87:HIS:HD1	1:B:93:ARG:H	20	2.35
(1,837)	1:A:87:HIS:HD2	1:A:93:ARG:H	20	2.35
(1,837)	1:A:87:HIS:HD2	1:B:93:ARG:H	20	2.35
(1,837)	1:B:87:HIS:HD1	1:A:93:ARG:H	20	2.35
(1,837)	1:B:87:HIS:HD1	1:B:93:ARG:H	20	2.35
(1,837)	1:B:87:HIS:HD2	1:A:93:ARG:H	20	2.35
(1,837)	1:B:87:HIS:HD2	1:B:93:ARG:H	20	2.35
(1,785)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	17	2.35
(1,785)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	17	2.35
(1,785)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	17	2.35
(1,785)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	17	2.35
(1,785)	1:A:64:ALA:HB3	1:A:67:LYS:HG3	17	2.35
(1,785)	1:A:64:ALA:HB3	1:B:67:LYS:HG3	17	2.35
(1,785)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	17	2.35
(1,785)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	17	2.35
(1,785)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	17	2.35
(1,785)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	17	2.35
(1,785)	1:B:64:ALA:HB3	1:A:67:LYS:HG3	17	2.35
(1,785)	1:B:64:ALA:HB3	1:B:67:LYS:HG3	17	2.35
(1,747)	1:A:87:HIS:HD2	1:A:92:GLN:H	19	2.35
(1,747)	1:A:87:HIS:HD2	1:B:92:GLN:H	19	2.35
(1,747)	1:B:87:HIS:HD2	1:A:92:GLN:H	19	2.35
(1,747)	1:B:87:HIS:HD2	1:B:92:GLN:H	19	2.35
(1,628)	1:A:66:LYS:HG2	1:A:67:LYS:HB2	2	2.35
(1,628)	1:A:66:LYS:HG2	1:B:67:LYS:HB2	2	2.35
(1,628)	1:B:66:LYS:HG2	1:A:67:LYS:HB2	2	2.35
(1,628)	1:B:66:LYS:HG2	1:B:67:LYS:HB2	2	2.35
(1,237)	1:A:79:ASP:H	1:A:54:LEU:HD11	10	2.35
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD11	10	2.35
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD12	10	2.35
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD13	10	2.35
(1,237)	1:B:79:ASP:H	1:A:54:LEU:HD11	10	2.35
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD11	10	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD12	10	2.35
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD13	10	2.35
(1,176)	1:A:75:LEU:HA	1:A:78:ALA:H	2	2.35
(1,176)	1:A:75:LEU:HA	1:B:78:ALA:H	2	2.35
(1,176)	1:B:75:LEU:HA	1:A:78:ALA:H	2	2.35
(1,176)	1:B:75:LEU:HA	1:B:78:ALA:H	2	2.35
(1,837)	1:A:87:HIS:HD1	1:A:93:ARG:H	12	2.34
(1,837)	1:A:87:HIS:HD1	1:B:93:ARG:H	12	2.34
(1,837)	1:A:87:HIS:HD2	1:A:93:ARG:H	12	2.34
(1,837)	1:A:87:HIS:HD2	1:B:93:ARG:H	12	2.34
(1,837)	1:B:87:HIS:HD1	1:A:93:ARG:H	12	2.34
(1,837)	1:B:87:HIS:HD1	1:B:93:ARG:H	12	2.34
(1,837)	1:B:87:HIS:HD2	1:A:93:ARG:H	12	2.34
(1,837)	1:B:87:HIS:HD2	1:B:93:ARG:H	12	2.34
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB2	3	2.34
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB3	3	2.34
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB2	3	2.34
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB3	3	2.34
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB2	3	2.34
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB3	3	2.34
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB2	3	2.34
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB3	3	2.34
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB2	3	2.34
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB3	3	2.34
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB2	3	2.34
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB3	3	2.34
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB2	3	2.34
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB3	3	2.34
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB2	3	2.34
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB3	3	2.34
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB2	14	2.34
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB3	14	2.34
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB2	14	2.34
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB3	14	2.34
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB2	14	2.34
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB3	14	2.34
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB2	14	2.34
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB3	14	2.34
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB2	14	2.34
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB3	14	2.34
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB2	14	2.34
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB3	14	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB2	14	2.34
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB3	14	2.34
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB2	14	2.34
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB3	14	2.34
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD11	18	2.34
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD12	18	2.34
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD13	18	2.34
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD11	18	2.34
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD12	18	2.34
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD13	18	2.34
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD11	18	2.34
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD12	18	2.34
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD13	18	2.34
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD11	18	2.34
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD12	18	2.34
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD13	18	2.34
(1,214)	1:A:81:LEU:HB2	1:A:56:GLN:HE22	2	2.34
(1,214)	1:A:81:LEU:HB2	1:B:56:GLN:HE22	2	2.34
(1,214)	1:A:81:LEU:HB3	1:A:56:GLN:HE22	2	2.34
(1,214)	1:A:81:LEU:HB3	1:B:56:GLN:HE22	2	2.34
(1,214)	1:B:81:LEU:HB2	1:A:56:GLN:HE22	2	2.34
(1,214)	1:B:81:LEU:HB2	1:B:56:GLN:HE22	2	2.34
(1,214)	1:B:81:LEU:HB3	1:A:56:GLN:HE22	2	2.34
(1,214)	1:B:81:LEU:HB3	1:B:56:GLN:HE22	2	2.34
(1,176)	1:A:75:LEU:HA	1:A:78:ALA:H	13	2.34
(1,176)	1:A:75:LEU:HA	1:B:78:ALA:H	13	2.34
(1,176)	1:B:75:LEU:HA	1:A:78:ALA:H	13	2.34
(1,176)	1:B:75:LEU:HA	1:B:78:ALA:H	13	2.34
(1,943)	1:A:79:ASP:N	1:A:75:LEU:O	4	2.33
(1,943)	1:A:79:ASP:N	1:B:75:LEU:O	4	2.33
(1,943)	1:B:79:ASP:N	1:A:75:LEU:O	4	2.33
(1,943)	1:B:79:ASP:N	1:B:75:LEU:O	4	2.33
(1,680)	1:A:66:LYS:HG2	1:A:67:LYS:HG3	19	2.33
(1,680)	1:A:66:LYS:HG2	1:B:67:LYS:HG3	19	2.33
(1,680)	1:B:66:LYS:HG2	1:A:67:LYS:HG3	19	2.33
(1,680)	1:B:66:LYS:HG2	1:B:67:LYS:HG3	19	2.33
(1,214)	1:A:81:LEU:HB2	1:A:56:GLN:HE22	12	2.33
(1,214)	1:A:81:LEU:HB2	1:B:56:GLN:HE22	12	2.33
(1,214)	1:A:81:LEU:HB3	1:A:56:GLN:HE22	12	2.33
(1,214)	1:A:81:LEU:HB3	1:B:56:GLN:HE22	12	2.33
(1,214)	1:B:81:LEU:HB2	1:A:56:GLN:HE22	12	2.33
(1,214)	1:B:81:LEU:HB2	1:B:56:GLN:HE22	12	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:B:81:LEU:HB3	1:A:56:GLN:HE22	12	2.33
(1,214)	1:B:81:LEU:HB3	1:B:56:GLN:HE22	12	2.33
(1,943)	1:A:79:ASP:N	1:A:75:LEU:O	14	2.32
(1,943)	1:A:79:ASP:N	1:B:75:LEU:O	14	2.32
(1,943)	1:B:79:ASP:N	1:A:75:LEU:O	14	2.32
(1,943)	1:B:79:ASP:N	1:B:75:LEU:O	14	2.32
(1,943)	1:A:79:ASP:N	1:A:75:LEU:O	15	2.32
(1,943)	1:A:79:ASP:N	1:B:75:LEU:O	15	2.32
(1,943)	1:B:79:ASP:N	1:A:75:LEU:O	15	2.32
(1,943)	1:B:79:ASP:N	1:B:75:LEU:O	15	2.32
(1,938)	1:A:76:GLU:N	1:A:72:HIS:O	7	2.32
(1,938)	1:A:76:GLU:N	1:B:72:HIS:O	7	2.32
(1,938)	1:B:76:GLU:N	1:A:72:HIS:O	7	2.32
(1,938)	1:B:76:GLU:N	1:B:72:HIS:O	7	2.32
(1,938)	1:A:76:GLU:N	1:A:72:HIS:O	10	2.32
(1,938)	1:A:76:GLU:N	1:B:72:HIS:O	10	2.32
(1,938)	1:B:76:GLU:N	1:A:72:HIS:O	10	2.32
(1,938)	1:B:76:GLU:N	1:B:72:HIS:O	10	2.32
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD1	3	2.32
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD2	3	2.32
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD1	3	2.32
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD2	3	2.32
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD1	3	2.32
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD2	3	2.32
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD1	3	2.32
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD2	3	2.32
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD1	13	2.32
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD2	13	2.32
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD1	13	2.32
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD2	13	2.32
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD1	13	2.32
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD2	13	2.32
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD1	13	2.32
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD2	13	2.32
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD1	14	2.32
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD2	14	2.32
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD1	14	2.32
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD2	14	2.32
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD1	14	2.32
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD2	14	2.32
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD1	14	2.32
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD2	14	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:A:85:VAL:HA	1:A:60:LEU:HD11	15	2.32
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD11	15	2.32
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD12	15	2.32
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD13	15	2.32
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD21	15	2.32
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD22	15	2.32
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD23	15	2.32
(1,815)	1:B:85:VAL:HA	1:A:60:LEU:HD11	15	2.32
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD11	15	2.32
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD12	15	2.32
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD13	15	2.32
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD21	15	2.32
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD22	15	2.32
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD23	15	2.32
(1,628)	1:A:66:LYS:HG2	1:A:67:LYS:HB2	1	2.32
(1,628)	1:A:66:LYS:HG2	1:B:67:LYS:HB2	1	2.32
(1,628)	1:B:66:LYS:HG2	1:A:67:LYS:HB2	1	2.32
(1,628)	1:B:66:LYS:HG2	1:B:67:LYS:HB2	1	2.32
(1,628)	1:A:66:LYS:HG2	1:A:67:LYS:HB2	16	2.32
(1,628)	1:A:66:LYS:HG2	1:B:67:LYS:HB2	16	2.32
(1,628)	1:B:66:LYS:HG2	1:A:67:LYS:HB2	16	2.32
(1,628)	1:B:66:LYS:HG2	1:B:67:LYS:HB2	16	2.32
(1,237)	1:A:79:ASP:H	1:A:54:LEU:HD11	2	2.32
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD11	2	2.32
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD12	2	2.32
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD13	2	2.32
(1,237)	1:B:79:ASP:H	1:A:54:LEU:HD11	2	2.32
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD11	2	2.32
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD12	2	2.32
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD13	2	2.32
(1,176)	1:A:75:LEU:HA	1:A:78:ALA:H	14	2.32
(1,176)	1:A:75:LEU:HA	1:B:78:ALA:H	14	2.32
(1,176)	1:B:75:LEU:HA	1:A:78:ALA:H	14	2.32
(1,176)	1:B:75:LEU:HA	1:B:78:ALA:H	14	2.32
(1,943)	1:A:79:ASP:N	1:A:75:LEU:O	8	2.31
(1,943)	1:A:79:ASP:N	1:B:75:LEU:O	8	2.31
(1,943)	1:B:79:ASP:N	1:A:75:LEU:O	8	2.31
(1,943)	1:B:79:ASP:N	1:B:75:LEU:O	8	2.31
(1,943)	1:A:79:ASP:N	1:A:75:LEU:O	18	2.31
(1,943)	1:A:79:ASP:N	1:B:75:LEU:O	18	2.31
(1,943)	1:B:79:ASP:N	1:A:75:LEU:O	18	2.31
(1,943)	1:B:79:ASP:N	1:B:75:LEU:O	18	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB2	5	2.31
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB3	5	2.31
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB2	5	2.31
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB3	5	2.31
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB2	5	2.31
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB3	5	2.31
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB2	5	2.31
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB3	5	2.31
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB2	5	2.31
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB3	5	2.31
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB2	5	2.31
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB3	5	2.31
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB2	5	2.31
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB3	5	2.31
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB2	5	2.31
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB3	5	2.31
(1,680)	1:A:66:LYS:HG2	1:A:67:LYS:HG3	18	2.31
(1,680)	1:A:66:LYS:HG2	1:B:67:LYS:HG3	18	2.31
(1,680)	1:B:66:LYS:HG2	1:A:67:LYS:HG3	18	2.31
(1,680)	1:B:66:LYS:HG2	1:B:67:LYS:HG3	18	2.31
(1,224)	1:A:81:LEU:HB2	1:A:56:GLN:HE21	3	2.31
(1,224)	1:A:81:LEU:HB2	1:B:56:GLN:HE21	3	2.31
(1,224)	1:A:81:LEU:HB3	1:A:56:GLN:HE21	3	2.31
(1,224)	1:A:81:LEU:HB3	1:B:56:GLN:HE21	3	2.31
(1,224)	1:B:81:LEU:HB2	1:A:56:GLN:HE21	3	2.31
(1,224)	1:B:81:LEU:HB2	1:B:56:GLN:HE21	3	2.31
(1,224)	1:B:81:LEU:HB3	1:A:56:GLN:HE21	3	2.31
(1,224)	1:B:81:LEU:HB3	1:B:56:GLN:HE21	3	2.31
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB2	13	2.3
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB3	13	2.3
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB2	13	2.3
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB3	13	2.3
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB2	13	2.3
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB3	13	2.3
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB2	13	2.3
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB3	13	2.3
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB2	13	2.3
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB3	13	2.3
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB2	13	2.3
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB3	13	2.3
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB2	13	2.3
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB3	13	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB2	13	2.3
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB3	13	2.3
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG2	3	2.3
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG3	3	2.3
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG2	3	2.3
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG3	3	2.3
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG2	3	2.3
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG3	3	2.3
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG2	3	2.3
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG3	3	2.3
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG2	13	2.3
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG3	13	2.3
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG2	13	2.3
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG3	13	2.3
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG2	13	2.3
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG3	13	2.3
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG2	13	2.3
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG3	13	2.3
(1,628)	1:A:66:LYS:HG2	1:A:67:LYS:HB2	3	2.3
(1,628)	1:A:66:LYS:HG2	1:B:67:LYS:HB2	3	2.3
(1,628)	1:B:66:LYS:HG2	1:A:67:LYS:HB2	3	2.3
(1,628)	1:B:66:LYS:HG2	1:B:67:LYS:HB2	3	2.3
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB2	2	2.3
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB3	2	2.3
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB2	2	2.3
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB3	2	2.3
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB2	2	2.3
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB3	2	2.3
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB2	2	2.3
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB3	2	2.3
(1,237)	1:A:79:ASP:H	1:A:54:LEU:HD11	9	2.3
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD11	9	2.3
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD12	9	2.3
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD13	9	2.3
(1,237)	1:B:79:ASP:H	1:A:54:LEU:HD11	9	2.3
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD11	9	2.3
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD12	9	2.3
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD13	9	2.3
(1,237)	1:A:79:ASP:H	1:A:54:LEU:HD11	15	2.3
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD11	15	2.3
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD12	15	2.3
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD13	15	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,237)	1:B:79:ASP:H	1:A:54:LEU:HD11	15	2.3
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD11	15	2.3
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD12	15	2.3
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD13	15	2.3
(1,176)	1:A:75:LEU:HA	1:A:78:ALA:H	16	2.3
(1,176)	1:A:75:LEU:HA	1:B:78:ALA:H	16	2.3
(1,176)	1:B:75:LEU:HA	1:A:78:ALA:H	16	2.3
(1,176)	1:B:75:LEU:HA	1:B:78:ALA:H	16	2.3
(1,943)	1:A:79:ASP:N	1:A:75:LEU:O	12	2.29
(1,943)	1:A:79:ASP:N	1:B:75:LEU:O	12	2.29
(1,943)	1:B:79:ASP:N	1:A:75:LEU:O	12	2.29
(1,943)	1:B:79:ASP:N	1:B:75:LEU:O	12	2.29
(1,943)	1:A:79:ASP:N	1:A:75:LEU:O	17	2.29
(1,943)	1:A:79:ASP:N	1:B:75:LEU:O	17	2.29
(1,943)	1:B:79:ASP:N	1:A:75:LEU:O	17	2.29
(1,943)	1:B:79:ASP:N	1:B:75:LEU:O	17	2.29
(1,815)	1:A:85:VAL:HA	1:A:60:LEU:HD11	8	2.29
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD11	8	2.29
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD12	8	2.29
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD13	8	2.29
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD21	8	2.29
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD22	8	2.29
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD23	8	2.29
(1,815)	1:B:85:VAL:HA	1:A:60:LEU:HD11	8	2.29
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD11	8	2.29
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD12	8	2.29
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD13	8	2.29
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD21	8	2.29
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD22	8	2.29
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD23	8	2.29
(1,815)	1:A:85:VAL:HA	1:A:60:LEU:HD11	18	2.29
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD11	18	2.29
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD12	18	2.29
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD13	18	2.29
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD21	18	2.29
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD22	18	2.29
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD23	18	2.29
(1,815)	1:B:85:VAL:HA	1:A:60:LEU:HD11	18	2.29
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD11	18	2.29
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD12	18	2.29
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD13	18	2.29
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD21	18	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD22	18	2.29
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD23	18	2.29
(1,628)	1:A:66:LYS:HG2	1:A:67:LYS:HB2	8	2.29
(1,628)	1:A:66:LYS:HG2	1:B:67:LYS:HB2	8	2.29
(1,628)	1:B:66:LYS:HG2	1:A:67:LYS:HB2	8	2.29
(1,628)	1:B:66:LYS:HG2	1:B:67:LYS:HB2	8	2.29
(1,224)	1:A:81:LEU:HB2	1:A:56:GLN:HE21	8	2.29
(1,224)	1:A:81:LEU:HB2	1:B:56:GLN:HE21	8	2.29
(1,224)	1:A:81:LEU:HB3	1:A:56:GLN:HE21	8	2.29
(1,224)	1:A:81:LEU:HB3	1:B:56:GLN:HE21	8	2.29
(1,224)	1:B:81:LEU:HB2	1:A:56:GLN:HE21	8	2.29
(1,224)	1:B:81:LEU:HB2	1:B:56:GLN:HE21	8	2.29
(1,224)	1:B:81:LEU:HB3	1:A:56:GLN:HE21	8	2.29
(1,224)	1:B:81:LEU:HB3	1:B:56:GLN:HE21	8	2.29
(1,176)	1:A:75:LEU:HA	1:A:78:ALA:H	11	2.29
(1,176)	1:A:75:LEU:HA	1:B:78:ALA:H	11	2.29
(1,176)	1:B:75:LEU:HA	1:A:78:ALA:H	11	2.29
(1,176)	1:B:75:LEU:HA	1:B:78:ALA:H	11	2.29
(1,789)	1:A:66:LYS:HA	1:A:69:SER:HG	9	2.28
(1,789)	1:A:66:LYS:HA	1:B:69:SER:HG	9	2.28
(1,789)	1:B:66:LYS:HA	1:A:69:SER:HG	9	2.28
(1,789)	1:B:66:LYS:HA	1:B:69:SER:HG	9	2.28
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG2	4	2.27
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG3	4	2.27
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG2	4	2.27
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG3	4	2.27
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG2	4	2.27
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG3	4	2.27
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG2	4	2.27
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG3	4	2.27
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG2	4	2.27
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG3	4	2.27
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG2	4	2.27
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG3	4	2.27
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG2	4	2.27
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG3	4	2.27
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG2	4	2.27
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG3	4	2.27
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD1	5	2.27
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD2	5	2.27
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD1	5	2.27
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD2	5	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD1	5	2.27
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD2	5	2.27
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD1	5	2.27
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD2	5	2.27
(1,812)	1:A:84:THR:HG21	1:A:60:LEU:HD11	6	2.27
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD11	6	2.27
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD12	6	2.27
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD13	6	2.27
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD21	6	2.27
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD22	6	2.27
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD23	6	2.27
(1,812)	1:A:84:THR:HG22	1:A:60:LEU:HD11	6	2.27
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD11	6	2.27
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD12	6	2.27
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD13	6	2.27
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD21	6	2.27
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD22	6	2.27
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD23	6	2.27
(1,812)	1:A:84:THR:HG23	1:A:60:LEU:HD11	6	2.27
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD11	6	2.27
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD12	6	2.27
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD13	6	2.27
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD21	6	2.27
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD22	6	2.27
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD23	6	2.27
(1,812)	1:B:84:THR:HG21	1:A:60:LEU:HD11	6	2.27
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD11	6	2.27
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD12	6	2.27
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD13	6	2.27
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD21	6	2.27
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD22	6	2.27
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD23	6	2.27
(1,812)	1:B:84:THR:HG22	1:A:60:LEU:HD11	6	2.27
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD11	6	2.27
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD12	6	2.27
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD13	6	2.27
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD21	6	2.27
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD22	6	2.27
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD23	6	2.27
(1,812)	1:B:84:THR:HG23	1:A:60:LEU:HD11	6	2.27
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD11	6	2.27
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD12	6	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD13	6	2.27
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD21	6	2.27
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD22	6	2.27
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD23	6	2.27
(1,789)	1:A:66:LYS:HA	1:A:69:SER:HG	12	2.27
(1,789)	1:A:66:LYS:HA	1:B:69:SER:HG	12	2.27
(1,789)	1:B:66:LYS:HA	1:A:69:SER:HG	12	2.27
(1,789)	1:B:66:LYS:HA	1:B:69:SER:HG	12	2.27
(1,785)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	8	2.27
(1,785)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	8	2.27
(1,785)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	8	2.27
(1,785)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	8	2.27
(1,785)	1:A:64:ALA:HB3	1:A:67:LYS:HG3	8	2.27
(1,785)	1:A:64:ALA:HB3	1:B:67:LYS:HG3	8	2.27
(1,785)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	8	2.27
(1,785)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	8	2.27
(1,785)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	8	2.27
(1,785)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	8	2.27
(1,785)	1:B:64:ALA:HB3	1:A:67:LYS:HG3	8	2.27
(1,785)	1:B:64:ALA:HB3	1:B:67:LYS:HG3	8	2.27
(1,746)	1:A:87:HIS:HD1	1:A:92:GLN:H	5	2.27
(1,746)	1:A:87:HIS:HD1	1:B:92:GLN:H	5	2.27
(1,746)	1:B:87:HIS:HD1	1:A:92:GLN:H	5	2.27
(1,746)	1:B:87:HIS:HD1	1:B:92:GLN:H	5	2.27
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD11	7	2.27
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD12	7	2.27
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD13	7	2.27
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD11	7	2.27
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD12	7	2.27
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD13	7	2.27
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD11	7	2.27
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD12	7	2.27
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD13	7	2.27
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD11	7	2.27
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD12	7	2.27
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD13	7	2.27
(1,404)	1:A:64:ALA:HA	1:A:67:LYS:H	5	2.27
(1,404)	1:A:64:ALA:HA	1:B:67:LYS:H	5	2.27
(1,404)	1:B:64:ALA:HA	1:A:67:LYS:H	5	2.27
(1,404)	1:B:64:ALA:HA	1:B:67:LYS:H	5	2.27
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD1	12	2.26
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD2	12	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD1	12	2.26
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD2	12	2.26
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD1	12	2.26
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD2	12	2.26
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD1	12	2.26
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD2	12	2.26
(1,812)	1:A:84:THR:HG21	1:A:60:LEU:HD11	5	2.26
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD11	5	2.26
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD12	5	2.26
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD13	5	2.26
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD21	5	2.26
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD22	5	2.26
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD23	5	2.26
(1,812)	1:A:84:THR:HG22	1:A:60:LEU:HD11	5	2.26
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD11	5	2.26
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD12	5	2.26
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD13	5	2.26
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD21	5	2.26
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD22	5	2.26
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD23	5	2.26
(1,812)	1:A:84:THR:HG23	1:A:60:LEU:HD11	5	2.26
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD11	5	2.26
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD12	5	2.26
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD13	5	2.26
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD21	5	2.26
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD22	5	2.26
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD23	5	2.26
(1,812)	1:B:84:THR:HG21	1:A:60:LEU:HD11	5	2.26
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD11	5	2.26
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD12	5	2.26
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD13	5	2.26
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD21	5	2.26
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD22	5	2.26
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD23	5	2.26
(1,812)	1:B:84:THR:HG22	1:A:60:LEU:HD11	5	2.26
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD11	5	2.26
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD12	5	2.26
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD13	5	2.26
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD21	5	2.26
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD22	5	2.26
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD23	5	2.26
(1,812)	1:B:84:THR:HG23	1:A:60:LEU:HD11	5	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD11	5	2.26
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD12	5	2.26
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD13	5	2.26
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD21	5	2.26
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD22	5	2.26
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD23	5	2.26
(1,812)	1:A:84:THR:HG21	1:A:60:LEU:HD11	9	2.26
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD11	9	2.26
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD12	9	2.26
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD13	9	2.26
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD21	9	2.26
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD22	9	2.26
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD23	9	2.26
(1,812)	1:A:84:THR:HG22	1:A:60:LEU:HD11	9	2.26
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD11	9	2.26
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD12	9	2.26
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD13	9	2.26
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD21	9	2.26
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD22	9	2.26
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD23	9	2.26
(1,812)	1:A:84:THR:HG23	1:A:60:LEU:HD11	9	2.26
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD11	9	2.26
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD12	9	2.26
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD13	9	2.26
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD21	9	2.26
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD22	9	2.26
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD23	9	2.26
(1,812)	1:B:84:THR:HG21	1:A:60:LEU:HD11	9	2.26
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD11	9	2.26
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD12	9	2.26
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD13	9	2.26
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD21	9	2.26
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD22	9	2.26
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD23	9	2.26
(1,812)	1:B:84:THR:HG22	1:A:60:LEU:HD11	9	2.26
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD11	9	2.26
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD12	9	2.26
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD13	9	2.26
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD21	9	2.26
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD22	9	2.26
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD23	9	2.26
(1,812)	1:B:84:THR:HG23	1:A:60:LEU:HD11	9	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD11	9	2.26
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD12	9	2.26
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD13	9	2.26
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD21	9	2.26
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD22	9	2.26
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD23	9	2.26
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB2	10	2.26
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB3	10	2.26
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB2	10	2.26
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB3	10	2.26
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB2	10	2.26
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB3	10	2.26
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB2	10	2.26
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB3	10	2.26
(1,214)	1:A:81:LEU:HB2	1:A:56:GLN:HE22	9	2.26
(1,214)	1:A:81:LEU:HB2	1:B:56:GLN:HE22	9	2.26
(1,214)	1:A:81:LEU:HB3	1:A:56:GLN:HE22	9	2.26
(1,214)	1:A:81:LEU:HB3	1:B:56:GLN:HE22	9	2.26
(1,214)	1:B:81:LEU:HB2	1:A:56:GLN:HE22	9	2.26
(1,214)	1:B:81:LEU:HB2	1:B:56:GLN:HE22	9	2.26
(1,214)	1:B:81:LEU:HB3	1:A:56:GLN:HE22	9	2.26
(1,214)	1:B:81:LEU:HB3	1:B:56:GLN:HE22	9	2.26
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG2	19	2.25
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG3	19	2.25
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG2	19	2.25
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG3	19	2.25
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG2	19	2.25
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG3	19	2.25
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG2	19	2.25
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG3	19	2.25
(1,680)	1:A:66:LYS:HG2	1:A:67:LYS:HG3	12	2.25
(1,680)	1:A:66:LYS:HG2	1:B:67:LYS:HG3	12	2.25
(1,680)	1:B:66:LYS:HG2	1:A:67:LYS:HG3	12	2.25
(1,680)	1:B:66:LYS:HG2	1:B:67:LYS:HG3	12	2.25
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD11	14	2.25
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD12	14	2.25
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD13	14	2.25
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD11	14	2.25
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD12	14	2.25
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD13	14	2.25
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD11	14	2.25
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD12	14	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD13	14	2.25
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD11	14	2.25
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD12	14	2.25
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD13	14	2.25
(1,585)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	5	2.25
(1,585)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	5	2.25
(1,585)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	5	2.25
(1,585)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	5	2.25
(1,214)	1:A:81:LEU:HB2	1:A:56:GLN:HE22	14	2.25
(1,214)	1:A:81:LEU:HB2	1:B:56:GLN:HE22	14	2.25
(1,214)	1:A:81:LEU:HB3	1:A:56:GLN:HE22	14	2.25
(1,214)	1:A:81:LEU:HB3	1:B:56:GLN:HE22	14	2.25
(1,214)	1:B:81:LEU:HB2	1:A:56:GLN:HE22	14	2.25
(1,214)	1:B:81:LEU:HB2	1:B:56:GLN:HE22	14	2.25
(1,214)	1:B:81:LEU:HB3	1:A:56:GLN:HE22	14	2.25
(1,214)	1:B:81:LEU:HB3	1:B:56:GLN:HE22	14	2.25
(1,812)	1:A:84:THR:HG21	1:A:60:LEU:HD11	3	2.24
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD11	3	2.24
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD12	3	2.24
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD13	3	2.24
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD21	3	2.24
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD22	3	2.24
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD23	3	2.24
(1,812)	1:A:84:THR:HG22	1:A:60:LEU:HD11	3	2.24
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD11	3	2.24
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD12	3	2.24
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD13	3	2.24
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD21	3	2.24
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD22	3	2.24
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD23	3	2.24
(1,812)	1:A:84:THR:HG23	1:A:60:LEU:HD11	3	2.24
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD11	3	2.24
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD12	3	2.24
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD13	3	2.24
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD21	3	2.24
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD22	3	2.24
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD23	3	2.24
(1,812)	1:B:84:THR:HG21	1:A:60:LEU:HD11	3	2.24
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD11	3	2.24
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD12	3	2.24
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD13	3	2.24
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD21	3	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD22	3	2.24
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD23	3	2.24
(1,812)	1:B:84:THR:HG22	1:A:60:LEU:HD11	3	2.24
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD11	3	2.24
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD12	3	2.24
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD13	3	2.24
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD21	3	2.24
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD22	3	2.24
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD23	3	2.24
(1,812)	1:B:84:THR:HG23	1:A:60:LEU:HD11	3	2.24
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD11	3	2.24
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD12	3	2.24
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD13	3	2.24
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD21	3	2.24
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD22	3	2.24
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD23	3	2.24
(1,761)	1:A:86:LYS:HD3	1:A:84:THR:H	16	2.24
(1,761)	1:A:86:LYS:HD3	1:B:84:THR:H	16	2.24
(1,761)	1:B:86:LYS:HD3	1:A:84:THR:H	16	2.24
(1,761)	1:B:86:LYS:HD3	1:B:84:THR:H	16	2.24
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB2	15	2.24
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB3	15	2.24
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB2	15	2.24
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB3	15	2.24
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB2	15	2.24
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB3	15	2.24
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB2	15	2.24
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB3	15	2.24
(1,237)	1:A:79:ASP:H	1:A:54:LEU:HD11	20	2.24
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD11	20	2.24
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD12	20	2.24
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD13	20	2.24
(1,237)	1:B:79:ASP:H	1:A:54:LEU:HD11	20	2.24
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD11	20	2.24
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD12	20	2.24
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD13	20	2.24
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG2	3	2.23
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG3	3	2.23
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG2	3	2.23
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG3	3	2.23
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG2	3	2.23
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG3	3	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG2	3	2.23
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG3	3	2.23
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG2	3	2.23
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG3	3	2.23
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG2	3	2.23
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG3	3	2.23
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG2	3	2.23
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG3	3	2.23
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG2	3	2.23
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG3	3	2.23
(1,774)	1:A:86:LYS:HD3	1:A:88:LEU:H	19	2.23
(1,774)	1:A:86:LYS:HD3	1:B:88:LEU:H	19	2.23
(1,774)	1:B:86:LYS:HD3	1:A:88:LEU:H	19	2.23
(1,774)	1:B:86:LYS:HD3	1:B:88:LEU:H	19	2.23
(1,761)	1:A:86:LYS:HD3	1:A:84:THR:H	1	2.23
(1,761)	1:A:86:LYS:HD3	1:B:84:THR:H	1	2.23
(1,761)	1:B:86:LYS:HD3	1:A:84:THR:H	1	2.23
(1,761)	1:B:86:LYS:HD3	1:B:84:THR:H	1	2.23
(1,747)	1:A:87:HIS:HD2	1:A:92:GLN:H	3	2.23
(1,747)	1:A:87:HIS:HD2	1:B:92:GLN:H	3	2.23
(1,747)	1:B:87:HIS:HD2	1:A:92:GLN:H	3	2.23
(1,747)	1:B:87:HIS:HD2	1:B:92:GLN:H	3	2.23
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG2	15	2.22
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG3	15	2.22
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG2	15	2.22
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG3	15	2.22
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG2	15	2.22
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG3	15	2.22
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG2	15	2.22
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG3	15	2.22
(1,815)	1:A:85:VAL:HA	1:A:60:LEU:HD11	4	2.22
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD11	4	2.22
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD12	4	2.22
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD13	4	2.22
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD21	4	2.22
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD22	4	2.22
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD23	4	2.22
(1,815)	1:B:85:VAL:HA	1:A:60:LEU:HD11	4	2.22
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD11	4	2.22
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD12	4	2.22
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD13	4	2.22
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD21	4	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD22	4	2.22
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD23	4	2.22
(1,761)	1:A:86:LYS:HD3	1:A:84:THR:H	8	2.22
(1,761)	1:A:86:LYS:HD3	1:B:84:THR:H	8	2.22
(1,761)	1:B:86:LYS:HD3	1:A:84:THR:H	8	2.22
(1,761)	1:B:86:LYS:HD3	1:B:84:THR:H	8	2.22
(1,832)	1:A:87:HIS:HD1	1:A:91:LEU:HA	14	2.21
(1,832)	1:A:87:HIS:HD1	1:B:91:LEU:HA	14	2.21
(1,832)	1:A:87:HIS:HD2	1:A:91:LEU:HA	14	2.21
(1,832)	1:A:87:HIS:HD2	1:B:91:LEU:HA	14	2.21
(1,832)	1:B:87:HIS:HD1	1:A:91:LEU:HA	14	2.21
(1,832)	1:B:87:HIS:HD1	1:B:91:LEU:HA	14	2.21
(1,832)	1:B:87:HIS:HD2	1:A:91:LEU:HA	14	2.21
(1,832)	1:B:87:HIS:HD2	1:B:91:LEU:HA	14	2.21
(1,785)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	18	2.21
(1,785)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	18	2.21
(1,785)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	18	2.21
(1,785)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	18	2.21
(1,785)	1:A:64:ALA:HB3	1:A:67:LYS:HG3	18	2.21
(1,785)	1:A:64:ALA:HB3	1:B:67:LYS:HG3	18	2.21
(1,785)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	18	2.21
(1,785)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	18	2.21
(1,785)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	18	2.21
(1,785)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	18	2.21
(1,785)	1:B:64:ALA:HB3	1:A:67:LYS:HG3	18	2.21
(1,785)	1:B:64:ALA:HB3	1:B:67:LYS:HG3	18	2.21
(1,628)	1:A:66:LYS:HG2	1:A:67:LYS:HB2	20	2.21
(1,628)	1:A:66:LYS:HG2	1:B:67:LYS:HB2	20	2.21
(1,628)	1:B:66:LYS:HG2	1:A:67:LYS:HB2	20	2.21
(1,628)	1:B:66:LYS:HG2	1:B:67:LYS:HB2	20	2.21
(1,224)	1:A:81:LEU:HB2	1:A:56:GLN:HE21	2	2.21
(1,224)	1:A:81:LEU:HB2	1:B:56:GLN:HE21	2	2.21
(1,224)	1:A:81:LEU:HB3	1:A:56:GLN:HE21	2	2.21
(1,224)	1:A:81:LEU:HB3	1:B:56:GLN:HE21	2	2.21
(1,224)	1:B:81:LEU:HB2	1:A:56:GLN:HE21	2	2.21
(1,224)	1:B:81:LEU:HB2	1:B:56:GLN:HE21	2	2.21
(1,224)	1:B:81:LEU:HB3	1:A:56:GLN:HE21	2	2.21
(1,224)	1:B:81:LEU:HB3	1:B:56:GLN:HE21	2	2.21
(1,224)	1:A:81:LEU:HB2	1:A:56:GLN:HE21	15	2.21
(1,224)	1:A:81:LEU:HB2	1:B:56:GLN:HE21	15	2.21
(1,224)	1:A:81:LEU:HB3	1:A:56:GLN:HE21	15	2.21
(1,224)	1:A:81:LEU:HB3	1:B:56:GLN:HE21	15	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,224)	1:B:81:LEU:HB2	1:A:56:GLN:HE21	15	2.21
(1,224)	1:B:81:LEU:HB2	1:B:56:GLN:HE21	15	2.21
(1,224)	1:B:81:LEU:HB3	1:A:56:GLN:HE21	15	2.21
(1,224)	1:B:81:LEU:HB3	1:B:56:GLN:HE21	15	2.21
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG2	1	2.2
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG3	1	2.2
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG2	1	2.2
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG3	1	2.2
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG2	1	2.2
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG3	1	2.2
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG2	1	2.2
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG3	1	2.2
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG2	1	2.2
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG3	1	2.2
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG2	1	2.2
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG3	1	2.2
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG2	1	2.2
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG3	1	2.2
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG2	1	2.2
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG3	1	2.2
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG2	18	2.2
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG3	18	2.2
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG2	18	2.2
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG3	18	2.2
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG2	18	2.2
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG3	18	2.2
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG2	18	2.2
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG3	18	2.2
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG2	18	2.2
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG3	18	2.2
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG2	18	2.2
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG3	18	2.2
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG2	18	2.2
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG3	18	2.2
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG2	18	2.2
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG3	18	2.2
(1,815)	1:A:85:VAL:HA	1:A:60:LEU:HD11	20	2.2
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD11	20	2.2
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD12	20	2.2
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD13	20	2.2
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD21	20	2.2
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD22	20	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD23	20	2.2
(1,815)	1:B:85:VAL:HA	1:A:60:LEU:HD11	20	2.2
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD11	20	2.2
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD12	20	2.2
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD13	20	2.2
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD21	20	2.2
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD22	20	2.2
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD23	20	2.2
(1,761)	1:A:86:LYS:HD3	1:A:84:THR:H	5	2.2
(1,761)	1:A:86:LYS:HD3	1:B:84:THR:H	5	2.2
(1,761)	1:B:86:LYS:HD3	1:A:84:THR:H	5	2.2
(1,761)	1:B:86:LYS:HD3	1:B:84:THR:H	5	2.2
(1,224)	1:A:81:LEU:HB2	1:A:56:GLN:HE21	13	2.2
(1,224)	1:A:81:LEU:HB2	1:B:56:GLN:HE21	13	2.2
(1,224)	1:A:81:LEU:HB3	1:A:56:GLN:HE21	13	2.2
(1,224)	1:A:81:LEU:HB3	1:B:56:GLN:HE21	13	2.2
(1,224)	1:B:81:LEU:HB2	1:A:56:GLN:HE21	13	2.2
(1,224)	1:B:81:LEU:HB2	1:B:56:GLN:HE21	13	2.2
(1,224)	1:B:81:LEU:HB3	1:A:56:GLN:HE21	13	2.2
(1,224)	1:B:81:LEU:HB3	1:B:56:GLN:HE21	13	2.2
(1,837)	1:A:87:HIS:HD1	1:A:93:ARG:H	17	2.19
(1,837)	1:A:87:HIS:HD1	1:B:93:ARG:H	17	2.19
(1,837)	1:A:87:HIS:HD2	1:A:93:ARG:H	17	2.19
(1,837)	1:A:87:HIS:HD2	1:B:93:ARG:H	17	2.19
(1,837)	1:B:87:HIS:HD1	1:A:93:ARG:H	17	2.19
(1,837)	1:B:87:HIS:HD1	1:B:93:ARG:H	17	2.19
(1,837)	1:B:87:HIS:HD2	1:A:93:ARG:H	17	2.19
(1,837)	1:B:87:HIS:HD2	1:B:93:ARG:H	17	2.19
(1,835)	1:A:87:HIS:HD1	1:A:67:LYS:HD2	19	2.19
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD2	19	2.19
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD3	19	2.19
(1,835)	1:A:87:HIS:HD2	1:A:67:LYS:HD2	19	2.19
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD2	19	2.19
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD3	19	2.19
(1,835)	1:B:87:HIS:HD1	1:A:67:LYS:HD2	19	2.19
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD2	19	2.19
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD3	19	2.19
(1,835)	1:B:87:HIS:HD2	1:A:67:LYS:HD2	19	2.19
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD2	19	2.19
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD3	19	2.19
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG2	4	2.19
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG3	4	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG2	4	2.19
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG3	4	2.19
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG2	4	2.19
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG3	4	2.19
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG2	4	2.19
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG3	4	2.19
(1,237)	1:A:79:ASP:H	1:A:54:LEU:HD11	19	2.19
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD11	19	2.19
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD12	19	2.19
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD13	19	2.19
(1,237)	1:B:79:ASP:H	1:A:54:LEU:HD11	19	2.19
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD11	19	2.19
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD12	19	2.19
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD13	19	2.19
(1,943)	1:A:79:ASP:N	1:A:75:LEU:O	1	2.18
(1,943)	1:A:79:ASP:N	1:B:75:LEU:O	1	2.18
(1,943)	1:B:79:ASP:N	1:A:75:LEU:O	1	2.18
(1,943)	1:B:79:ASP:N	1:B:75:LEU:O	1	2.18
(1,943)	1:A:79:ASP:N	1:A:75:LEU:O	19	2.18
(1,943)	1:A:79:ASP:N	1:B:75:LEU:O	19	2.18
(1,943)	1:B:79:ASP:N	1:A:75:LEU:O	19	2.18
(1,943)	1:B:79:ASP:N	1:B:75:LEU:O	19	2.18
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB2	12	2.18
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB3	12	2.18
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB2	12	2.18
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB3	12	2.18
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB2	12	2.18
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB3	12	2.18
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB2	12	2.18
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB3	12	2.18
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB2	12	2.18
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB3	12	2.18
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB2	12	2.18
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB3	12	2.18
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB2	12	2.18
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB3	12	2.18
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB2	12	2.18
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB3	12	2.18
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD11	17	2.18
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD12	17	2.18
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD13	17	2.18
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD11	17	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD12	17	2.18
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD13	17	2.18
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD11	17	2.18
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD12	17	2.18
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD13	17	2.18
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD11	17	2.18
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD12	17	2.18
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD13	17	2.18
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG2	14	2.17
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG3	14	2.17
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG2	14	2.17
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG3	14	2.17
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG2	14	2.17
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG3	14	2.17
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG2	14	2.17
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG3	14	2.17
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG2	14	2.17
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG3	14	2.17
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG2	14	2.17
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG3	14	2.17
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG2	14	2.17
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG3	14	2.17
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG2	14	2.17
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG3	14	2.17
(1,785)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	7	2.17
(1,785)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	7	2.17
(1,785)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	7	2.17
(1,785)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	7	2.17
(1,785)	1:A:64:ALA:HB3	1:A:67:LYS:HG3	7	2.17
(1,785)	1:A:64:ALA:HB3	1:B:67:LYS:HG3	7	2.17
(1,785)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	7	2.17
(1,785)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	7	2.17
(1,785)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	7	2.17
(1,785)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	7	2.17
(1,785)	1:B:64:ALA:HB3	1:A:67:LYS:HG3	7	2.17
(1,785)	1:B:64:ALA:HB3	1:B:67:LYS:HG3	7	2.17
(1,408)	1:A:64:ALA:HA	1:A:67:LYS:HG2	10	2.17
(1,408)	1:A:64:ALA:HA	1:B:67:LYS:HG2	10	2.17
(1,408)	1:B:64:ALA:HA	1:A:67:LYS:HG2	10	2.17
(1,408)	1:B:64:ALA:HA	1:B:67:LYS:HG2	10	2.17
(1,224)	1:A:81:LEU:HB2	1:A:56:GLN:HE21	12	2.17
(1,224)	1:A:81:LEU:HB2	1:B:56:GLN:HE21	12	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,224)	1:A:81:LEU:HB3	1:A:56:GLN:HE21	12	2.17
(1,224)	1:A:81:LEU:HB3	1:B:56:GLN:HE21	12	2.17
(1,224)	1:B:81:LEU:HB2	1:A:56:GLN:HE21	12	2.17
(1,224)	1:B:81:LEU:HB2	1:B:56:GLN:HE21	12	2.17
(1,224)	1:B:81:LEU:HB3	1:A:56:GLN:HE21	12	2.17
(1,224)	1:B:81:LEU:HB3	1:B:56:GLN:HE21	12	2.17
(1,943)	1:A:79:ASP:N	1:A:75:LEU:O	6	2.16
(1,943)	1:A:79:ASP:N	1:B:75:LEU:O	6	2.16
(1,943)	1:B:79:ASP:N	1:A:75:LEU:O	6	2.16
(1,943)	1:B:79:ASP:N	1:B:75:LEU:O	6	2.16
(1,938)	1:A:76:GLU:N	1:A:72:HIS:O	13	2.16
(1,938)	1:A:76:GLU:N	1:B:72:HIS:O	13	2.16
(1,938)	1:B:76:GLU:N	1:A:72:HIS:O	13	2.16
(1,938)	1:B:76:GLU:N	1:B:72:HIS:O	13	2.16
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG2	5	2.16
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG3	5	2.16
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG2	5	2.16
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG3	5	2.16
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG2	5	2.16
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG3	5	2.16
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG2	5	2.16
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG3	5	2.16
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG2	5	2.16
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG3	5	2.16
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG2	5	2.16
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG3	5	2.16
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG2	5	2.16
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG3	5	2.16
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG2	5	2.16
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG3	5	2.16
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG2	16	2.16
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG3	16	2.16
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG2	16	2.16
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG3	16	2.16
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG2	16	2.16
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG3	16	2.16
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG2	16	2.16
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG3	16	2.16
(1,761)	1:A:86:LYS:HD3	1:A:84:THR:H	12	2.16
(1,761)	1:A:86:LYS:HD3	1:B:84:THR:H	12	2.16
(1,761)	1:B:86:LYS:HD3	1:A:84:THR:H	12	2.16
(1,761)	1:B:86:LYS:HD3	1:B:84:THR:H	12	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,938)	1:A:76:GLU:N	1:A:72:HIS:O	11	2.15
(1,938)	1:A:76:GLU:N	1:B:72:HIS:O	11	2.15
(1,938)	1:B:76:GLU:N	1:A:72:HIS:O	11	2.15
(1,938)	1:B:76:GLU:N	1:B:72:HIS:O	11	2.15
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB2	20	2.15
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB3	20	2.15
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB2	20	2.15
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB3	20	2.15
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB2	20	2.15
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB3	20	2.15
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB2	20	2.15
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB3	20	2.15
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB2	20	2.15
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB3	20	2.15
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB2	20	2.15
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB3	20	2.15
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB2	20	2.15
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB3	20	2.15
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB2	20	2.15
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB3	20	2.15
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD1	20	2.15
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD2	20	2.15
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD1	20	2.15
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD2	20	2.15
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD1	20	2.15
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD2	20	2.15
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD1	20	2.15
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD2	20	2.15
(1,789)	1:A:66:LYS:HA	1:A:69:SER:HG	19	2.15
(1,789)	1:A:66:LYS:HA	1:B:69:SER:HG	19	2.15
(1,789)	1:B:66:LYS:HA	1:A:69:SER:HG	19	2.15
(1,789)	1:B:66:LYS:HA	1:B:69:SER:HG	19	2.15
(1,761)	1:A:86:LYS:HD3	1:A:84:THR:H	2	2.15
(1,761)	1:A:86:LYS:HD3	1:B:84:THR:H	2	2.15
(1,761)	1:B:86:LYS:HD3	1:A:84:THR:H	2	2.15
(1,761)	1:B:86:LYS:HD3	1:B:84:THR:H	2	2.15
(1,680)	1:A:66:LYS:HG2	1:A:67:LYS:HG3	5	2.15
(1,680)	1:A:66:LYS:HG2	1:B:67:LYS:HG3	5	2.15
(1,680)	1:B:66:LYS:HG2	1:A:67:LYS:HG3	5	2.15
(1,680)	1:B:66:LYS:HG2	1:B:67:LYS:HG3	5	2.15
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG2	4	2.15
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG3	4	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG2	4	2.15
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG3	4	2.15
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG2	4	2.15
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG3	4	2.15
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG2	4	2.15
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG3	4	2.15
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG2	4	2.15
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG3	4	2.15
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG2	4	2.15
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG3	4	2.15
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG2	4	2.15
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG3	4	2.15
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG2	4	2.15
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG3	4	2.15
(1,602)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	8	2.15
(1,602)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	8	2.15
(1,602)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	8	2.15
(1,602)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	8	2.15
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB2	4	2.15
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB3	4	2.15
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB2	4	2.15
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB3	4	2.15
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB2	4	2.15
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB3	4	2.15
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB2	4	2.15
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB3	4	2.15
(1,938)	1:A:76:GLU:N	1:A:72:HIS:O	9	2.14
(1,938)	1:A:76:GLU:N	1:B:72:HIS:O	9	2.14
(1,938)	1:B:76:GLU:N	1:A:72:HIS:O	9	2.14
(1,938)	1:B:76:GLU:N	1:B:72:HIS:O	9	2.14
(1,774)	1:A:86:LYS:HD3	1:A:88:LEU:H	3	2.14
(1,774)	1:A:86:LYS:HD3	1:B:88:LEU:H	3	2.14
(1,774)	1:B:86:LYS:HD3	1:A:88:LEU:H	3	2.14
(1,774)	1:B:86:LYS:HD3	1:B:88:LEU:H	3	2.14
(1,267)	1:A:86:LYS:H	1:A:61:ILE:HG13	20	2.14
(1,267)	1:A:86:LYS:H	1:B:61:ILE:HG13	20	2.14
(1,267)	1:B:86:LYS:H	1:A:61:ILE:HG13	20	2.14
(1,267)	1:B:86:LYS:H	1:B:61:ILE:HG13	20	2.14
(1,224)	1:A:81:LEU:HB2	1:A:56:GLN:HE21	1	2.14
(1,224)	1:A:81:LEU:HB2	1:B:56:GLN:HE21	1	2.14
(1,224)	1:A:81:LEU:HB3	1:A:56:GLN:HE21	1	2.14
(1,224)	1:A:81:LEU:HB3	1:B:56:GLN:HE21	1	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,224)	1:B:81:LEU:HB2	1:A:56:GLN:HE21	1	2.14
(1,224)	1:B:81:LEU:HB2	1:B:56:GLN:HE21	1	2.14
(1,224)	1:B:81:LEU:HB3	1:A:56:GLN:HE21	1	2.14
(1,224)	1:B:81:LEU:HB3	1:B:56:GLN:HE21	1	2.14
(1,938)	1:A:76:GLU:N	1:A:72:HIS:O	16	2.13
(1,938)	1:A:76:GLU:N	1:B:72:HIS:O	16	2.13
(1,938)	1:B:76:GLU:N	1:A:72:HIS:O	16	2.13
(1,938)	1:B:76:GLU:N	1:B:72:HIS:O	16	2.13
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG2	6	2.13
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG3	6	2.13
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG2	6	2.13
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG3	6	2.13
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG2	6	2.13
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG3	6	2.13
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG2	6	2.13
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG3	6	2.13
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG2	6	2.13
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG3	6	2.13
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG2	6	2.13
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG3	6	2.13
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG2	6	2.13
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG3	6	2.13
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG2	6	2.13
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG3	6	2.13
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG2	18	2.13
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG3	18	2.13
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG2	18	2.13
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG3	18	2.13
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG2	18	2.13
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG3	18	2.13
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG2	18	2.13
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG3	18	2.13
(1,815)	1:A:85:VAL:HA	1:A:60:LEU:HD11	10	2.13
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD11	10	2.13
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD12	10	2.13
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD13	10	2.13
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD21	10	2.13
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD22	10	2.13
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD23	10	2.13
(1,815)	1:B:85:VAL:HA	1:A:60:LEU:HD11	10	2.13
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD11	10	2.13
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD12	10	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD13	10	2.13
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD21	10	2.13
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD22	10	2.13
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD23	10	2.13
(1,774)	1:A:86:LYS:HD3	1:A:88:LEU:H	4	2.13
(1,774)	1:A:86:LYS:HD3	1:B:88:LEU:H	4	2.13
(1,774)	1:B:86:LYS:HD3	1:A:88:LEU:H	4	2.13
(1,774)	1:B:86:LYS:HD3	1:B:88:LEU:H	4	2.13
(1,761)	1:A:86:LYS:HD3	1:A:84:THR:H	19	2.13
(1,761)	1:A:86:LYS:HD3	1:B:84:THR:H	19	2.13
(1,761)	1:B:86:LYS:HD3	1:A:84:THR:H	19	2.13
(1,761)	1:B:86:LYS:HD3	1:B:84:THR:H	19	2.13
(1,627)	1:A:66:LYS:HG2	1:A:67:LYS:HG2	2	2.13
(1,627)	1:A:66:LYS:HG2	1:B:67:LYS:HG2	2	2.13
(1,627)	1:B:66:LYS:HG2	1:A:67:LYS:HG2	2	2.13
(1,627)	1:B:66:LYS:HG2	1:B:67:LYS:HG2	2	2.13
(1,176)	1:A:75:LEU:HA	1:A:78:ALA:H	19	2.13
(1,176)	1:A:75:LEU:HA	1:B:78:ALA:H	19	2.13
(1,176)	1:B:75:LEU:HA	1:A:78:ALA:H	19	2.13
(1,176)	1:B:75:LEU:HA	1:B:78:ALA:H	19	2.13
(1,833)	1:A:87:HIS:HD1	1:A:92:GLN:H	3	2.12
(1,833)	1:A:87:HIS:HD1	1:B:92:GLN:H	3	2.12
(1,833)	1:A:87:HIS:HD2	1:A:92:GLN:H	3	2.12
(1,833)	1:A:87:HIS:HD2	1:B:92:GLN:H	3	2.12
(1,833)	1:B:87:HIS:HD1	1:A:92:GLN:H	3	2.12
(1,833)	1:B:87:HIS:HD1	1:B:92:GLN:H	3	2.12
(1,833)	1:B:87:HIS:HD2	1:A:92:GLN:H	3	2.12
(1,833)	1:B:87:HIS:HD2	1:B:92:GLN:H	3	2.12
(1,761)	1:A:86:LYS:HD3	1:A:84:THR:H	3	2.12
(1,761)	1:A:86:LYS:HD3	1:B:84:THR:H	3	2.12
(1,761)	1:B:86:LYS:HD3	1:A:84:THR:H	3	2.12
(1,761)	1:B:86:LYS:HD3	1:B:84:THR:H	3	2.12
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG2	7	2.12
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG3	7	2.12
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG2	7	2.12
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG3	7	2.12
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG2	7	2.12
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG3	7	2.12
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG2	7	2.12
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG3	7	2.12
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG2	7	2.12
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG3	7	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG2	7	2.12
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG3	7	2.12
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG2	7	2.12
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG3	7	2.12
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG2	7	2.12
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG3	7	2.12
(1,585)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	20	2.12
(1,585)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	20	2.12
(1,585)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	20	2.12
(1,585)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	20	2.12
(1,431)	1:A:71:ARG:HG2	1:A:75:LEU:HA	6	2.12
(1,431)	1:A:71:ARG:HG2	1:B:75:LEU:HA	6	2.12
(1,431)	1:B:71:ARG:HG2	1:A:75:LEU:HA	6	2.12
(1,431)	1:B:71:ARG:HG2	1:B:75:LEU:HA	6	2.12
(1,404)	1:A:64:ALA:HA	1:A:67:LYS:H	12	2.12
(1,404)	1:A:64:ALA:HA	1:B:67:LYS:H	12	2.12
(1,404)	1:B:64:ALA:HA	1:A:67:LYS:H	12	2.12
(1,404)	1:B:64:ALA:HA	1:B:67:LYS:H	12	2.12
(1,943)	1:A:79:ASP:N	1:A:75:LEU:O	2	2.11
(1,943)	1:A:79:ASP:N	1:B:75:LEU:O	2	2.11
(1,943)	1:B:79:ASP:N	1:A:75:LEU:O	2	2.11
(1,943)	1:B:79:ASP:N	1:B:75:LEU:O	2	2.11
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG2	9	2.11
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG3	9	2.11
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG2	9	2.11
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG3	9	2.11
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG2	9	2.11
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG3	9	2.11
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG2	9	2.11
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG3	9	2.11
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG2	9	2.11
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG3	9	2.11
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG2	9	2.11
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG3	9	2.11
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG2	9	2.11
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG3	9	2.11
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG2	9	2.11
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG3	9	2.11
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG2	16	2.11
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG3	16	2.11
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG2	16	2.11
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG3	16	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG2	16	2.11
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG3	16	2.11
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG2	16	2.11
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG3	16	2.11
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG2	16	2.11
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG3	16	2.11
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG2	16	2.11
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG3	16	2.11
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG2	16	2.11
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG3	16	2.11
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG2	16	2.11
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG3	16	2.11
(1,837)	1:A:87:HIS:HD1	1:A:93:ARG:H	2	2.11
(1,837)	1:A:87:HIS:HD1	1:B:93:ARG:H	2	2.11
(1,837)	1:A:87:HIS:HD2	1:A:93:ARG:H	2	2.11
(1,837)	1:A:87:HIS:HD2	1:B:93:ARG:H	2	2.11
(1,837)	1:B:87:HIS:HD1	1:A:93:ARG:H	2	2.11
(1,837)	1:B:87:HIS:HD1	1:B:93:ARG:H	2	2.11
(1,837)	1:B:87:HIS:HD2	1:A:93:ARG:H	2	2.11
(1,837)	1:B:87:HIS:HD2	1:B:93:ARG:H	2	2.11
(1,837)	1:A:87:HIS:HD1	1:A:93:ARG:H	11	2.11
(1,837)	1:A:87:HIS:HD1	1:B:93:ARG:H	11	2.11
(1,837)	1:A:87:HIS:HD2	1:A:93:ARG:H	11	2.11
(1,837)	1:A:87:HIS:HD2	1:B:93:ARG:H	11	2.11
(1,837)	1:B:87:HIS:HD1	1:A:93:ARG:H	11	2.11
(1,837)	1:B:87:HIS:HD1	1:B:93:ARG:H	11	2.11
(1,837)	1:B:87:HIS:HD2	1:A:93:ARG:H	11	2.11
(1,837)	1:B:87:HIS:HD2	1:B:93:ARG:H	11	2.11
(1,774)	1:A:86:LYS:HD3	1:A:88:LEU:H	15	2.11
(1,774)	1:A:86:LYS:HD3	1:B:88:LEU:H	15	2.11
(1,774)	1:B:86:LYS:HD3	1:A:88:LEU:H	15	2.11
(1,774)	1:B:86:LYS:HD3	1:B:88:LEU:H	15	2.11
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG2	18	2.11
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG3	18	2.11
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG2	18	2.11
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG3	18	2.11
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG2	18	2.11
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG3	18	2.11
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG2	18	2.11
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG3	18	2.11
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG2	18	2.11
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG3	18	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG2	18	2.11
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG3	18	2.11
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG2	18	2.11
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG3	18	2.11
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG2	18	2.11
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG3	18	2.11
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG2	11	2.1
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG3	11	2.1
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG2	11	2.1
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG3	11	2.1
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG2	11	2.1
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG3	11	2.1
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG2	11	2.1
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG3	11	2.1
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG2	11	2.1
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG3	11	2.1
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG2	11	2.1
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG3	11	2.1
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG2	11	2.1
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG3	11	2.1
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG2	11	2.1
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG3	11	2.1
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG2	12	2.1
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG3	12	2.1
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG2	12	2.1
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG3	12	2.1
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG2	12	2.1
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG3	12	2.1
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG2	12	2.1
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG3	12	2.1
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG2	12	2.1
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG3	12	2.1
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG2	12	2.1
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG3	12	2.1
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG2	12	2.1
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG3	12	2.1
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG2	12	2.1
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG3	12	2.1
(1,813)	1:A:85:VAL:H	1:A:60:LEU:HD11	11	2.1
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD11	11	2.1
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD12	11	2.1
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD13	11	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD21	11	2.1
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD22	11	2.1
(1,813)	1:A:85:VAL:H	1:B:60:LEU:HD23	11	2.1
(1,813)	1:B:85:VAL:H	1:A:60:LEU:HD11	11	2.1
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD11	11	2.1
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD12	11	2.1
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD13	11	2.1
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD21	11	2.1
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD22	11	2.1
(1,813)	1:B:85:VAL:H	1:B:60:LEU:HD23	11	2.1
(1,680)	1:A:66:LYS:HG2	1:A:67:LYS:HG3	13	2.1
(1,680)	1:A:66:LYS:HG2	1:B:67:LYS:HG3	13	2.1
(1,680)	1:B:66:LYS:HG2	1:A:67:LYS:HG3	13	2.1
(1,680)	1:B:66:LYS:HG2	1:B:67:LYS:HG3	13	2.1
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG2	1	2.1
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG3	1	2.1
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG2	1	2.1
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG3	1	2.1
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG2	1	2.1
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG3	1	2.1
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG2	1	2.1
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG3	1	2.1
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG2	1	2.1
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG3	1	2.1
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG2	1	2.1
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG3	1	2.1
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG2	1	2.1
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG3	1	2.1
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG2	1	2.1
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG3	1	2.1
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG2	3	2.1
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG3	3	2.1
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG2	3	2.1
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG3	3	2.1
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG2	3	2.1
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG3	3	2.1
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG2	3	2.1
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG3	3	2.1
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG2	3	2.1
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG3	3	2.1
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG2	3	2.1
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG3	3	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG2	3	2.1
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG3	3	2.1
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG2	3	2.1
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG3	3	2.1
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG2	11	2.1
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG3	11	2.1
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG2	11	2.1
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG3	11	2.1
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG2	11	2.1
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG3	11	2.1
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG2	11	2.1
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG3	11	2.1
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG2	11	2.1
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG3	11	2.1
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG2	11	2.1
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG3	11	2.1
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG2	11	2.1
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG3	11	2.1
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG2	11	2.1
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG3	11	2.1
(1,628)	1:A:66:LYS:HG2	1:A:67:LYS:HB2	14	2.1
(1,628)	1:A:66:LYS:HG2	1:B:67:LYS:HB2	14	2.1
(1,628)	1:B:66:LYS:HG2	1:A:67:LYS:HB2	14	2.1
(1,628)	1:B:66:LYS:HG2	1:B:67:LYS:HB2	14	2.1
(1,267)	1:A:86:LYS:H	1:A:61:ILE:HG13	19	2.1
(1,267)	1:A:86:LYS:H	1:B:61:ILE:HG13	19	2.1
(1,267)	1:B:86:LYS:H	1:A:61:ILE:HG13	19	2.1
(1,267)	1:B:86:LYS:H	1:B:61:ILE:HG13	19	2.1
(1,259)	1:A:56:GLN:HG3	1:A:82:GLU:H	10	2.1
(1,259)	1:A:56:GLN:HG3	1:B:82:GLU:H	10	2.1
(1,259)	1:B:56:GLN:HG3	1:A:82:GLU:H	10	2.1
(1,259)	1:B:56:GLN:HG3	1:B:82:GLU:H	10	2.1
(1,938)	1:A:76:GLU:N	1:A:72:HIS:O	18	2.09
(1,938)	1:A:76:GLU:N	1:B:72:HIS:O	18	2.09
(1,938)	1:B:76:GLU:N	1:A:72:HIS:O	18	2.09
(1,938)	1:B:76:GLU:N	1:B:72:HIS:O	18	2.09
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG2	7	2.09
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG3	7	2.09
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG2	7	2.09
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG3	7	2.09
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG2	7	2.09
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG3	7	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG2	7	2.09
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG3	7	2.09
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG2	7	2.09
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG3	7	2.09
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG2	7	2.09
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG3	7	2.09
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG2	7	2.09
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG3	7	2.09
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG2	7	2.09
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG3	7	2.09
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD1	19	2.09
(1,820)	1:A:86:LYS:HG2	1:A:87:HIS:HD2	19	2.09
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD1	19	2.09
(1,820)	1:A:86:LYS:HG2	1:B:87:HIS:HD2	19	2.09
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD1	19	2.09
(1,820)	1:B:86:LYS:HG2	1:A:87:HIS:HD2	19	2.09
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD1	19	2.09
(1,820)	1:B:86:LYS:HG2	1:B:87:HIS:HD2	19	2.09
(1,817)	1:A:60:LEU:HD11	1:A:88:LEU:HB2	12	2.09
(1,817)	1:A:60:LEU:HD11	1:B:88:LEU:HB2	12	2.09
(1,817)	1:B:60:LEU:HD11	1:A:88:LEU:HB2	12	2.09
(1,817)	1:B:60:LEU:HD11	1:B:88:LEU:HB2	12	2.09
(1,817)	1:B:60:LEU:HD12	1:A:88:LEU:HB2	12	2.09
(1,817)	1:B:60:LEU:HD12	1:B:88:LEU:HB2	12	2.09
(1,817)	1:B:60:LEU:HD13	1:A:88:LEU:HB2	12	2.09
(1,817)	1:B:60:LEU:HD13	1:B:88:LEU:HB2	12	2.09
(1,817)	1:B:60:LEU:HD21	1:A:88:LEU:HB2	12	2.09
(1,817)	1:B:60:LEU:HD21	1:B:88:LEU:HB2	12	2.09
(1,817)	1:B:60:LEU:HD22	1:A:88:LEU:HB2	12	2.09
(1,817)	1:B:60:LEU:HD22	1:B:88:LEU:HB2	12	2.09
(1,817)	1:B:60:LEU:HD23	1:A:88:LEU:HB2	12	2.09
(1,817)	1:B:60:LEU:HD23	1:B:88:LEU:HB2	12	2.09
(1,815)	1:A:85:VAL:HA	1:A:60:LEU:HD11	19	2.09
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD11	19	2.09
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD12	19	2.09
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD13	19	2.09
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD21	19	2.09
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD22	19	2.09
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD23	19	2.09
(1,815)	1:B:85:VAL:HA	1:A:60:LEU:HD11	19	2.09
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD11	19	2.09
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD12	19	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD13	19	2.09
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD21	19	2.09
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD22	19	2.09
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD23	19	2.09
(1,785)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	9	2.09
(1,785)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	9	2.09
(1,785)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	9	2.09
(1,785)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	9	2.09
(1,785)	1:A:64:ALA:HB3	1:A:67:LYS:HG3	9	2.09
(1,785)	1:A:64:ALA:HB3	1:B:67:LYS:HG3	9	2.09
(1,785)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	9	2.09
(1,785)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	9	2.09
(1,785)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	9	2.09
(1,785)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	9	2.09
(1,785)	1:B:64:ALA:HB3	1:A:67:LYS:HG3	9	2.09
(1,785)	1:B:64:ALA:HB3	1:B:67:LYS:HG3	9	2.09
(1,774)	1:A:86:LYS:HD3	1:A:88:LEU:H	11	2.09
(1,774)	1:A:86:LYS:HD3	1:B:88:LEU:H	11	2.09
(1,774)	1:B:86:LYS:HD3	1:A:88:LEU:H	11	2.09
(1,774)	1:B:86:LYS:HD3	1:B:88:LEU:H	11	2.09
(1,761)	1:A:86:LYS:HD3	1:A:84:THR:H	18	2.09
(1,761)	1:A:86:LYS:HD3	1:B:84:THR:H	18	2.09
(1,761)	1:B:86:LYS:HD3	1:A:84:THR:H	18	2.09
(1,761)	1:B:86:LYS:HD3	1:B:84:THR:H	18	2.09
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG2	5	2.09
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG3	5	2.09
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG2	5	2.09
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG3	5	2.09
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG2	5	2.09
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG3	5	2.09
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG2	5	2.09
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG3	5	2.09
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG2	5	2.09
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG3	5	2.09
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG2	5	2.09
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG3	5	2.09
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG2	5	2.09
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG3	5	2.09
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG2	5	2.09
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG3	5	2.09
(1,224)	1:A:81:LEU:HB2	1:A:56:GLN:HE21	14	2.09
(1,224)	1:A:81:LEU:HB2	1:B:56:GLN:HE21	14	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,224)	1:A:81:LEU:HB3	1:A:56:GLN:HE21	14	2.09
(1,224)	1:A:81:LEU:HB3	1:B:56:GLN:HE21	14	2.09
(1,224)	1:B:81:LEU:HB2	1:A:56:GLN:HE21	14	2.09
(1,224)	1:B:81:LEU:HB2	1:B:56:GLN:HE21	14	2.09
(1,224)	1:B:81:LEU:HB3	1:A:56:GLN:HE21	14	2.09
(1,224)	1:B:81:LEU:HB3	1:B:56:GLN:HE21	14	2.09
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB2	5	2.08
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB3	5	2.08
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB2	5	2.08
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB3	5	2.08
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB2	5	2.08
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB3	5	2.08
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB2	5	2.08
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB3	5	2.08
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG2	2	2.08
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG3	2	2.08
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG2	2	2.08
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG3	2	2.08
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG2	2	2.08
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG3	2	2.08
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG2	2	2.08
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG3	2	2.08
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG2	2	2.08
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG3	2	2.08
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG2	2	2.08
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG3	2	2.08
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG2	2	2.08
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG3	2	2.08
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG2	2	2.08
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG3	2	2.08
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG2	15	2.08
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG3	15	2.08
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG2	15	2.08
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG3	15	2.08
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG2	15	2.08
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG3	15	2.08
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG2	15	2.08
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG3	15	2.08
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG2	15	2.08
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG3	15	2.08
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG2	15	2.08
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG3	15	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG2	15	2.08
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG3	15	2.08
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG2	15	2.08
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG3	15	2.08
(1,837)	1:A:87:HIS:HD1	1:A:93:ARG:H	19	2.08
(1,837)	1:A:87:HIS:HD1	1:B:93:ARG:H	19	2.08
(1,837)	1:A:87:HIS:HD2	1:A:93:ARG:H	19	2.08
(1,837)	1:A:87:HIS:HD2	1:B:93:ARG:H	19	2.08
(1,837)	1:B:87:HIS:HD1	1:A:93:ARG:H	19	2.08
(1,837)	1:B:87:HIS:HD1	1:B:93:ARG:H	19	2.08
(1,837)	1:B:87:HIS:HD2	1:A:93:ARG:H	19	2.08
(1,837)	1:B:87:HIS:HD2	1:B:93:ARG:H	19	2.08
(1,761)	1:A:86:LYS:HD3	1:A:84:THR:H	15	2.08
(1,761)	1:A:86:LYS:HD3	1:B:84:THR:H	15	2.08
(1,761)	1:B:86:LYS:HD3	1:A:84:THR:H	15	2.08
(1,761)	1:B:86:LYS:HD3	1:B:84:THR:H	15	2.08
(1,680)	1:A:66:LYS:HG2	1:A:67:LYS:HG3	20	2.08
(1,680)	1:A:66:LYS:HG2	1:B:67:LYS:HG3	20	2.08
(1,680)	1:B:66:LYS:HG2	1:A:67:LYS:HG3	20	2.08
(1,680)	1:B:66:LYS:HG2	1:B:67:LYS:HG3	20	2.08
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG2	12	2.08
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG3	12	2.08
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG2	12	2.08
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG3	12	2.08
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG2	12	2.08
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG3	12	2.08
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG2	12	2.08
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG3	12	2.08
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG2	12	2.08
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG3	12	2.08
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG2	12	2.08
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG3	12	2.08
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG2	12	2.08
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG3	12	2.08
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG2	12	2.08
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG3	12	2.08
(1,404)	1:A:64:ALA:HA	1:A:67:LYS:H	17	2.08
(1,404)	1:A:64:ALA:HA	1:B:67:LYS:H	17	2.08
(1,404)	1:B:64:ALA:HA	1:A:67:LYS:H	17	2.08
(1,404)	1:B:64:ALA:HA	1:B:67:LYS:H	17	2.08
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG2	19	2.07
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG3	19	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG2	19	2.07
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG3	19	2.07
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG2	19	2.07
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG3	19	2.07
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG2	19	2.07
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG3	19	2.07
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG2	19	2.07
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG3	19	2.07
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG2	19	2.07
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG3	19	2.07
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG2	19	2.07
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG3	19	2.07
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG2	19	2.07
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG3	19	2.07
(1,837)	1:A:87:HIS:HD1	1:A:93:ARG:H	5	2.07
(1,837)	1:A:87:HIS:HD1	1:B:93:ARG:H	5	2.07
(1,837)	1:A:87:HIS:HD2	1:A:93:ARG:H	5	2.07
(1,837)	1:A:87:HIS:HD2	1:B:93:ARG:H	5	2.07
(1,837)	1:B:87:HIS:HD1	1:A:93:ARG:H	5	2.07
(1,837)	1:B:87:HIS:HD1	1:B:93:ARG:H	5	2.07
(1,837)	1:B:87:HIS:HD2	1:A:93:ARG:H	5	2.07
(1,837)	1:B:87:HIS:HD2	1:B:93:ARG:H	5	2.07
(1,837)	1:A:87:HIS:HD1	1:A:93:ARG:H	18	2.07
(1,837)	1:A:87:HIS:HD1	1:B:93:ARG:H	18	2.07
(1,837)	1:A:87:HIS:HD2	1:A:93:ARG:H	18	2.07
(1,837)	1:A:87:HIS:HD2	1:B:93:ARG:H	18	2.07
(1,837)	1:B:87:HIS:HD1	1:A:93:ARG:H	18	2.07
(1,837)	1:B:87:HIS:HD1	1:B:93:ARG:H	18	2.07
(1,837)	1:B:87:HIS:HD2	1:A:93:ARG:H	18	2.07
(1,837)	1:B:87:HIS:HD2	1:B:93:ARG:H	18	2.07
(1,833)	1:A:87:HIS:HD1	1:A:92:GLN:H	14	2.07
(1,833)	1:A:87:HIS:HD1	1:B:92:GLN:H	14	2.07
(1,833)	1:A:87:HIS:HD2	1:A:92:GLN:H	14	2.07
(1,833)	1:A:87:HIS:HD2	1:B:92:GLN:H	14	2.07
(1,833)	1:B:87:HIS:HD1	1:A:92:GLN:H	14	2.07
(1,833)	1:B:87:HIS:HD1	1:B:92:GLN:H	14	2.07
(1,833)	1:B:87:HIS:HD2	1:A:92:GLN:H	14	2.07
(1,833)	1:B:87:HIS:HD2	1:B:92:GLN:H	14	2.07
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD11	3	2.07
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD12	3	2.07
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD13	3	2.07
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD11	3	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD12	3	2.07
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD13	3	2.07
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD11	3	2.07
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD12	3	2.07
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD13	3	2.07
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD11	3	2.07
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD12	3	2.07
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD13	3	2.07
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG2	6	2.07
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG3	6	2.07
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG2	6	2.07
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG3	6	2.07
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG2	6	2.07
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG3	6	2.07
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG2	6	2.07
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG3	6	2.07
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG2	6	2.07
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG3	6	2.07
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG2	6	2.07
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG3	6	2.07
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG2	6	2.07
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG3	6	2.07
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG2	6	2.07
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG3	6	2.07
(1,628)	1:A:66:LYS:HG2	1:A:67:LYS:HB2	9	2.07
(1,628)	1:A:66:LYS:HG2	1:B:67:LYS:HB2	9	2.07
(1,628)	1:B:66:LYS:HG2	1:A:67:LYS:HB2	9	2.07
(1,628)	1:B:66:LYS:HG2	1:B:67:LYS:HB2	9	2.07
(1,224)	1:A:81:LEU:HB2	1:A:56:GLN:HE21	9	2.07
(1,224)	1:A:81:LEU:HB2	1:B:56:GLN:HE21	9	2.07
(1,224)	1:A:81:LEU:HB3	1:A:56:GLN:HE21	9	2.07
(1,224)	1:A:81:LEU:HB3	1:B:56:GLN:HE21	9	2.07
(1,224)	1:B:81:LEU:HB2	1:A:56:GLN:HE21	9	2.07
(1,224)	1:B:81:LEU:HB2	1:B:56:GLN:HE21	9	2.07
(1,224)	1:B:81:LEU:HB3	1:A:56:GLN:HE21	9	2.07
(1,224)	1:B:81:LEU:HB3	1:B:56:GLN:HE21	9	2.07
(1,785)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	14	2.06
(1,785)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	14	2.06
(1,785)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	14	2.06
(1,785)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	14	2.06
(1,785)	1:A:64:ALA:HB3	1:A:67:LYS:HG3	14	2.06
(1,785)	1:A:64:ALA:HB3	1:B:67:LYS:HG3	14	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	14	2.06
(1,785)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	14	2.06
(1,785)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	14	2.06
(1,785)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	14	2.06
(1,785)	1:B:64:ALA:HB3	1:A:67:LYS:HG3	14	2.06
(1,785)	1:B:64:ALA:HB3	1:B:67:LYS:HG3	14	2.06
(1,700)	1:A:87:HIS:HD1	1:A:91:LEU:HA	5	2.06
(1,700)	1:A:87:HIS:HD1	1:B:91:LEU:HA	5	2.06
(1,700)	1:B:87:HIS:HD1	1:A:91:LEU:HA	5	2.06
(1,700)	1:B:87:HIS:HD1	1:B:91:LEU:HA	5	2.06
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD11	13	2.06
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD12	13	2.06
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD13	13	2.06
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD11	13	2.06
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD12	13	2.06
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD13	13	2.06
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD11	13	2.06
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD12	13	2.06
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD13	13	2.06
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD11	13	2.06
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD12	13	2.06
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD13	13	2.06
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG2	2	2.06
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG3	2	2.06
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG2	2	2.06
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG3	2	2.06
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG2	2	2.06
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG3	2	2.06
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG2	2	2.06
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG3	2	2.06
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG2	2	2.06
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG3	2	2.06
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG2	2	2.06
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG3	2	2.06
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG2	2	2.06
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG3	2	2.06
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG2	2	2.06
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG3	2	2.06
(1,837)	1:A:87:HIS:HD1	1:A:93:ARG:H	1	2.05
(1,837)	1:A:87:HIS:HD1	1:B:93:ARG:H	1	2.05
(1,837)	1:A:87:HIS:HD2	1:A:93:ARG:H	1	2.05
(1,837)	1:A:87:HIS:HD2	1:B:93:ARG:H	1	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,837)	1:B:87:HIS:HD1	1:A:93:ARG:H	1	2.05
(1,837)	1:B:87:HIS:HD1	1:B:93:ARG:H	1	2.05
(1,837)	1:B:87:HIS:HD2	1:A:93:ARG:H	1	2.05
(1,837)	1:B:87:HIS:HD2	1:B:93:ARG:H	1	2.05
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG2	2	2.05
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG3	2	2.05
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG2	2	2.05
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG3	2	2.05
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG2	2	2.05
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG3	2	2.05
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG2	2	2.05
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG3	2	2.05
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG2	8	2.05
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG3	8	2.05
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG2	8	2.05
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG3	8	2.05
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG2	8	2.05
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG3	8	2.05
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG2	8	2.05
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG3	8	2.05
(1,815)	1:A:85:VAL:HA	1:A:60:LEU:HD11	2	2.05
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD11	2	2.05
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD12	2	2.05
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD13	2	2.05
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD21	2	2.05
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD22	2	2.05
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD23	2	2.05
(1,815)	1:B:85:VAL:HA	1:A:60:LEU:HD11	2	2.05
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD11	2	2.05
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD12	2	2.05
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD13	2	2.05
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD21	2	2.05
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD22	2	2.05
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD23	2	2.05
(1,815)	1:A:85:VAL:HA	1:A:60:LEU:HD11	14	2.05
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD11	14	2.05
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD12	14	2.05
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD13	14	2.05
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD21	14	2.05
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD22	14	2.05
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD23	14	2.05
(1,815)	1:B:85:VAL:HA	1:A:60:LEU:HD11	14	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD11	14	2.05
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD12	14	2.05
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD13	14	2.05
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD21	14	2.05
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD22	14	2.05
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD23	14	2.05
(1,812)	1:A:84:THR:HG21	1:A:60:LEU:HD11	13	2.05
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD11	13	2.05
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD12	13	2.05
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD13	13	2.05
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD21	13	2.05
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD22	13	2.05
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD23	13	2.05
(1,812)	1:A:84:THR:HG22	1:A:60:LEU:HD11	13	2.05
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD11	13	2.05
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD12	13	2.05
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD13	13	2.05
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD21	13	2.05
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD22	13	2.05
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD23	13	2.05
(1,812)	1:A:84:THR:HG23	1:A:60:LEU:HD11	13	2.05
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD11	13	2.05
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD12	13	2.05
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD13	13	2.05
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD21	13	2.05
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD22	13	2.05
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD23	13	2.05
(1,812)	1:B:84:THR:HG21	1:A:60:LEU:HD11	13	2.05
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD11	13	2.05
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD12	13	2.05
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD13	13	2.05
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD21	13	2.05
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD22	13	2.05
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD23	13	2.05
(1,812)	1:B:84:THR:HG22	1:A:60:LEU:HD11	13	2.05
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD11	13	2.05
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD12	13	2.05
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD13	13	2.05
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD21	13	2.05
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD22	13	2.05
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD23	13	2.05
(1,812)	1:B:84:THR:HG23	1:A:60:LEU:HD11	13	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD11	13	2.05
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD12	13	2.05
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD13	13	2.05
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD21	13	2.05
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD22	13	2.05
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD23	13	2.05
(1,761)	1:A:86:LYS:HD3	1:A:84:THR:H	11	2.05
(1,761)	1:A:86:LYS:HD3	1:B:84:THR:H	11	2.05
(1,761)	1:B:86:LYS:HD3	1:A:84:THR:H	11	2.05
(1,761)	1:B:86:LYS:HD3	1:B:84:THR:H	11	2.05
(1,746)	1:A:87:HIS:HD1	1:A:92:GLN:H	14	2.05
(1,746)	1:A:87:HIS:HD1	1:B:92:GLN:H	14	2.05
(1,746)	1:B:87:HIS:HD1	1:A:92:GLN:H	14	2.05
(1,746)	1:B:87:HIS:HD1	1:B:92:GLN:H	14	2.05
(1,700)	1:A:87:HIS:HD1	1:A:91:LEU:HA	13	2.05
(1,700)	1:A:87:HIS:HD1	1:B:91:LEU:HA	13	2.05
(1,700)	1:B:87:HIS:HD1	1:A:91:LEU:HA	13	2.05
(1,700)	1:B:87:HIS:HD1	1:B:91:LEU:HA	13	2.05
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG2	14	2.05
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG3	14	2.05
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG2	14	2.05
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG3	14	2.05
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG2	14	2.05
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG3	14	2.05
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG2	14	2.05
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG3	14	2.05
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG2	14	2.05
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG3	14	2.05
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG2	14	2.05
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG3	14	2.05
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG2	14	2.05
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG3	14	2.05
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG2	14	2.05
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG3	14	2.05
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG2	16	2.05
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG3	16	2.05
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG2	16	2.05
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG3	16	2.05
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG2	16	2.05
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG3	16	2.05
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG2	16	2.05
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG3	16	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG2	16	2.05
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG3	16	2.05
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG2	16	2.05
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG3	16	2.05
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG2	16	2.05
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG3	16	2.05
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG2	16	2.05
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG3	16	2.05
(1,602)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	7	2.05
(1,602)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	7	2.05
(1,602)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	7	2.05
(1,602)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	7	2.05
(1,404)	1:A:64:ALA:HA	1:A:67:LYS:H	2	2.05
(1,404)	1:A:64:ALA:HA	1:B:67:LYS:H	2	2.05
(1,404)	1:B:64:ALA:HA	1:A:67:LYS:H	2	2.05
(1,404)	1:B:64:ALA:HA	1:B:67:LYS:H	2	2.05
(1,404)	1:A:64:ALA:HA	1:A:67:LYS:H	9	2.05
(1,404)	1:A:64:ALA:HA	1:B:67:LYS:H	9	2.05
(1,404)	1:B:64:ALA:HA	1:A:67:LYS:H	9	2.05
(1,404)	1:B:64:ALA:HA	1:B:67:LYS:H	9	2.05
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG2	5	2.04
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG3	5	2.04
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG2	5	2.04
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG3	5	2.04
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG2	5	2.04
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG3	5	2.04
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG2	5	2.04
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG3	5	2.04
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG2	17	2.04
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG3	17	2.04
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG2	17	2.04
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG3	17	2.04
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG2	17	2.04
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG3	17	2.04
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG2	17	2.04
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG3	17	2.04
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG2	17	2.04
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG3	17	2.04
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG2	17	2.04
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG3	17	2.04
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG2	17	2.04
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG3	17	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG2	17	2.04
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG3	17	2.04
(1,408)	1:A:64:ALA:HA	1:A:67:LYS:HG2	16	2.04
(1,408)	1:A:64:ALA:HA	1:B:67:LYS:HG2	16	2.04
(1,408)	1:B:64:ALA:HA	1:A:67:LYS:HG2	16	2.04
(1,408)	1:B:64:ALA:HA	1:B:67:LYS:HG2	16	2.04
(1,404)	1:A:64:ALA:HA	1:A:67:LYS:H	15	2.04
(1,404)	1:A:64:ALA:HA	1:B:67:LYS:H	15	2.04
(1,404)	1:B:64:ALA:HA	1:A:67:LYS:H	15	2.04
(1,404)	1:B:64:ALA:HA	1:B:67:LYS:H	15	2.04
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG2	10	2.03
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG3	10	2.03
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG2	10	2.03
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG3	10	2.03
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG2	10	2.03
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG3	10	2.03
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG2	10	2.03
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG3	10	2.03
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG2	10	2.03
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG3	10	2.03
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG2	10	2.03
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG3	10	2.03
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG2	10	2.03
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG3	10	2.03
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG2	10	2.03
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG3	10	2.03
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG2	17	2.03
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG3	17	2.03
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG2	17	2.03
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG3	17	2.03
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG2	17	2.03
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG3	17	2.03
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG2	17	2.03
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG3	17	2.03
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG2	17	2.03
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG3	17	2.03
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG2	17	2.03
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG3	17	2.03
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG2	17	2.03
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG3	17	2.03
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG2	17	2.03
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG3	17	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG2	20	2.03
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG3	20	2.03
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG2	20	2.03
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG3	20	2.03
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG2	20	2.03
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG3	20	2.03
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG2	20	2.03
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG3	20	2.03
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG2	20	2.03
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG3	20	2.03
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG2	20	2.03
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG3	20	2.03
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG2	20	2.03
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG3	20	2.03
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG2	20	2.03
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG3	20	2.03
(1,259)	1:A:56:GLN:HG3	1:A:82:GLU:H	5	2.03
(1,259)	1:A:56:GLN:HG3	1:B:82:GLU:H	5	2.03
(1,259)	1:B:56:GLN:HG3	1:A:82:GLU:H	5	2.03
(1,259)	1:B:56:GLN:HG3	1:B:82:GLU:H	5	2.03
(1,835)	1:A:87:HIS:HD1	1:A:67:LYS:HD2	5	2.02
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD2	5	2.02
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD3	5	2.02
(1,835)	1:A:87:HIS:HD2	1:A:67:LYS:HD2	5	2.02
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD2	5	2.02
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD3	5	2.02
(1,835)	1:B:87:HIS:HD1	1:A:67:LYS:HD2	5	2.02
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD2	5	2.02
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD3	5	2.02
(1,835)	1:B:87:HIS:HD2	1:A:67:LYS:HD2	5	2.02
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD2	5	2.02
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD3	5	2.02
(1,761)	1:A:86:LYS:HD3	1:A:84:THR:H	4	2.02
(1,761)	1:A:86:LYS:HD3	1:B:84:THR:H	4	2.02
(1,761)	1:B:86:LYS:HD3	1:A:84:THR:H	4	2.02
(1,761)	1:B:86:LYS:HD3	1:B:84:THR:H	4	2.02
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD11	10	2.02
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD12	10	2.02
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD13	10	2.02
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD11	10	2.02
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD12	10	2.02
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD13	10	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD11	10	2.02
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD12	10	2.02
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD13	10	2.02
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD11	10	2.02
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD12	10	2.02
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD13	10	2.02
(1,408)	1:A:64:ALA:HA	1:A:67:LYS:HG2	3	2.02
(1,408)	1:A:64:ALA:HA	1:B:67:LYS:HG2	3	2.02
(1,408)	1:B:64:ALA:HA	1:A:67:LYS:HG2	3	2.02
(1,408)	1:B:64:ALA:HA	1:B:67:LYS:HG2	3	2.02
(1,404)	1:A:64:ALA:HA	1:A:67:LYS:H	19	2.02
(1,404)	1:A:64:ALA:HA	1:B:67:LYS:H	19	2.02
(1,404)	1:B:64:ALA:HA	1:A:67:LYS:H	19	2.02
(1,404)	1:B:64:ALA:HA	1:B:67:LYS:H	19	2.02
(1,837)	1:A:87:HIS:HD1	1:A:93:ARG:H	9	2.01
(1,837)	1:A:87:HIS:HD1	1:B:93:ARG:H	9	2.01
(1,837)	1:A:87:HIS:HD2	1:A:93:ARG:H	9	2.01
(1,837)	1:A:87:HIS:HD2	1:B:93:ARG:H	9	2.01
(1,837)	1:B:87:HIS:HD1	1:A:93:ARG:H	9	2.01
(1,837)	1:B:87:HIS:HD1	1:B:93:ARG:H	9	2.01
(1,837)	1:B:87:HIS:HD2	1:A:93:ARG:H	9	2.01
(1,837)	1:B:87:HIS:HD2	1:B:93:ARG:H	9	2.01
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB2	19	2.01
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB3	19	2.01
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB2	19	2.01
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB3	19	2.01
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB2	19	2.01
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB3	19	2.01
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB2	19	2.01
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB3	19	2.01
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB2	19	2.01
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB3	19	2.01
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB2	19	2.01
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB3	19	2.01
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB2	19	2.01
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB3	19	2.01
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB2	19	2.01
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB3	19	2.01
(1,833)	1:A:87:HIS:HD1	1:A:92:GLN:H	20	2.01
(1,833)	1:A:87:HIS:HD1	1:B:92:GLN:H	20	2.01
(1,833)	1:A:87:HIS:HD2	1:A:92:GLN:H	20	2.01
(1,833)	1:A:87:HIS:HD2	1:B:92:GLN:H	20	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,833)	1:B:87:HIS:HD1	1:A:92:GLN:H	20	2.01
(1,833)	1:B:87:HIS:HD1	1:B:92:GLN:H	20	2.01
(1,833)	1:B:87:HIS:HD2	1:A:92:GLN:H	20	2.01
(1,833)	1:B:87:HIS:HD2	1:B:92:GLN:H	20	2.01
(1,680)	1:A:66:LYS:HG2	1:A:67:LYS:HG3	4	2.01
(1,680)	1:A:66:LYS:HG2	1:B:67:LYS:HG3	4	2.01
(1,680)	1:B:66:LYS:HG2	1:A:67:LYS:HG3	4	2.01
(1,680)	1:B:66:LYS:HG2	1:B:67:LYS:HG3	4	2.01
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG2	9	2.01
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG3	9	2.01
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG2	9	2.01
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG3	9	2.01
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG2	9	2.01
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG3	9	2.01
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG2	9	2.01
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG3	9	2.01
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG2	9	2.01
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG3	9	2.01
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG2	9	2.01
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG3	9	2.01
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG2	9	2.01
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG3	9	2.01
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG2	9	2.01
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG3	9	2.01
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG2	20	2.01
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG3	20	2.01
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG2	20	2.01
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG3	20	2.01
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG2	20	2.01
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG3	20	2.01
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG2	20	2.01
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG3	20	2.01
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG2	20	2.01
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG3	20	2.01
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG2	20	2.01
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG3	20	2.01
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG2	20	2.01
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG3	20	2.01
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG2	20	2.01
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG3	20	2.01
(1,267)	1:A:86:LYS:H	1:A:61:ILE:HG13	3	2.01
(1,267)	1:A:86:LYS:H	1:B:61:ILE:HG13	3	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:B:86:LYS:H	1:A:61:ILE:HG13	3	2.01
(1,267)	1:B:86:LYS:H	1:B:61:ILE:HG13	3	2.01
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG2	8	2.0
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG3	8	2.0
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG2	8	2.0
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG3	8	2.0
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG2	8	2.0
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG3	8	2.0
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG2	8	2.0
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG3	8	2.0
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG2	8	2.0
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG3	8	2.0
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG2	8	2.0
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG3	8	2.0
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG2	8	2.0
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG3	8	2.0
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG2	8	2.0
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG3	8	2.0
(1,833)	1:A:87:HIS:HD1	1:A:92:GLN:H	13	2.0
(1,833)	1:A:87:HIS:HD1	1:B:92:GLN:H	13	2.0
(1,833)	1:A:87:HIS:HD2	1:A:92:GLN:H	13	2.0
(1,833)	1:A:87:HIS:HD2	1:B:92:GLN:H	13	2.0
(1,833)	1:B:87:HIS:HD1	1:A:92:GLN:H	13	2.0
(1,833)	1:B:87:HIS:HD1	1:B:92:GLN:H	13	2.0
(1,833)	1:B:87:HIS:HD2	1:A:92:GLN:H	13	2.0
(1,833)	1:B:87:HIS:HD2	1:B:92:GLN:H	13	2.0
(1,815)	1:A:85:VAL:HA	1:A:60:LEU:HD11	6	2.0
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD11	6	2.0
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD12	6	2.0
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD13	6	2.0
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD21	6	2.0
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD22	6	2.0
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD23	6	2.0
(1,815)	1:B:85:VAL:HA	1:A:60:LEU:HD11	6	2.0
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD11	6	2.0
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD12	6	2.0
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD13	6	2.0
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD21	6	2.0
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD22	6	2.0
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD23	6	2.0
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD11	9	2.0
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD12	9	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD13	9	2.0
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD11	9	2.0
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD12	9	2.0
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD13	9	2.0
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD11	9	2.0
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD12	9	2.0
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD13	9	2.0
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD11	9	2.0
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD12	9	2.0
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD13	9	2.0
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG2	8	2.0
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG3	8	2.0
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG2	8	2.0
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG3	8	2.0
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG2	8	2.0
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG3	8	2.0
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG2	8	2.0
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG3	8	2.0
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG2	8	2.0
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG3	8	2.0
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG2	8	2.0
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG3	8	2.0
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG2	8	2.0
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG3	8	2.0
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG2	8	2.0
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG3	8	2.0
(1,404)	1:A:64:ALA:HA	1:A:67:LYS:H	3	2.0
(1,404)	1:A:64:ALA:HA	1:B:67:LYS:H	3	2.0
(1,404)	1:B:64:ALA:HA	1:A:67:LYS:H	3	2.0
(1,404)	1:B:64:ALA:HA	1:B:67:LYS:H	3	2.0
(1,404)	1:A:64:ALA:HA	1:A:67:LYS:H	13	2.0
(1,404)	1:A:64:ALA:HA	1:B:67:LYS:H	13	2.0
(1,404)	1:B:64:ALA:HA	1:A:67:LYS:H	13	2.0
(1,404)	1:B:64:ALA:HA	1:B:67:LYS:H	13	2.0
(1,404)	1:A:64:ALA:HA	1:A:67:LYS:H	18	2.0
(1,404)	1:A:64:ALA:HA	1:B:67:LYS:H	18	2.0
(1,404)	1:B:64:ALA:HA	1:A:67:LYS:H	18	2.0
(1,404)	1:B:64:ALA:HA	1:B:67:LYS:H	18	2.0
(1,267)	1:A:86:LYS:H	1:A:61:ILE:HG13	18	2.0
(1,267)	1:A:86:LYS:H	1:B:61:ILE:HG13	18	2.0
(1,267)	1:B:86:LYS:H	1:A:61:ILE:HG13	18	2.0
(1,267)	1:B:86:LYS:H	1:B:61:ILE:HG13	18	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,774)	1:A:86:LYS:HD3	1:A:88:LEU:H	2	1.99
(1,774)	1:A:86:LYS:HD3	1:B:88:LEU:H	2	1.99
(1,774)	1:B:86:LYS:HD3	1:A:88:LEU:H	2	1.99
(1,774)	1:B:86:LYS:HD3	1:B:88:LEU:H	2	1.99
(1,747)	1:A:87:HIS:HD2	1:A:92:GLN:H	20	1.99
(1,747)	1:A:87:HIS:HD2	1:B:92:GLN:H	20	1.99
(1,747)	1:B:87:HIS:HD2	1:A:92:GLN:H	20	1.99
(1,747)	1:B:87:HIS:HD2	1:B:92:GLN:H	20	1.99
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG2	19	1.99
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG3	19	1.99
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG2	19	1.99
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG3	19	1.99
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG2	19	1.99
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG3	19	1.99
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG2	19	1.99
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG3	19	1.99
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG2	19	1.99
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG3	19	1.99
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG2	19	1.99
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG3	19	1.99
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG2	19	1.99
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG3	19	1.99
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG2	19	1.99
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG3	19	1.99
(1,394)	1:A:67:LYS:H	1:A:69:SER:H	8	1.99
(1,394)	1:A:67:LYS:H	1:B:69:SER:H	8	1.99
(1,394)	1:B:67:LYS:H	1:A:69:SER:H	8	1.99
(1,394)	1:B:67:LYS:H	1:B:69:SER:H	8	1.99
(1,370)	1:A:66:LYS:HA	1:A:69:SER:H	14	1.99
(1,370)	1:A:66:LYS:HA	1:B:69:SER:H	14	1.99
(1,370)	1:B:66:LYS:HA	1:A:69:SER:H	14	1.99
(1,370)	1:B:66:LYS:HA	1:B:69:SER:H	14	1.99
(1,267)	1:A:86:LYS:H	1:A:61:ILE:HG13	2	1.99
(1,267)	1:A:86:LYS:H	1:B:61:ILE:HG13	2	1.99
(1,267)	1:B:86:LYS:H	1:A:61:ILE:HG13	2	1.99
(1,267)	1:B:86:LYS:H	1:B:61:ILE:HG13	2	1.99
(1,938)	1:A:76:GLU:N	1:A:72:HIS:O	4	1.98
(1,938)	1:A:76:GLU:N	1:B:72:HIS:O	4	1.98
(1,938)	1:B:76:GLU:N	1:A:72:HIS:O	4	1.98
(1,938)	1:B:76:GLU:N	1:B:72:HIS:O	4	1.98
(1,938)	1:A:76:GLU:N	1:A:72:HIS:O	14	1.98
(1,938)	1:A:76:GLU:N	1:B:72:HIS:O	14	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,938)	1:B:76:GLU:N	1:A:72:HIS:O	14	1.98
(1,938)	1:B:76:GLU:N	1:B:72:HIS:O	14	1.98
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB2	17	1.98
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB3	17	1.98
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB2	17	1.98
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB3	17	1.98
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB2	17	1.98
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB3	17	1.98
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB2	17	1.98
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB3	17	1.98
(1,817)	1:A:60:LEU:HD11	1:A:88:LEU:HB2	15	1.98
(1,817)	1:A:60:LEU:HD11	1:B:88:LEU:HB2	15	1.98
(1,817)	1:B:60:LEU:HD11	1:A:88:LEU:HB2	15	1.98
(1,817)	1:B:60:LEU:HD11	1:B:88:LEU:HB2	15	1.98
(1,817)	1:B:60:LEU:HD12	1:A:88:LEU:HB2	15	1.98
(1,817)	1:B:60:LEU:HD12	1:B:88:LEU:HB2	15	1.98
(1,817)	1:B:60:LEU:HD13	1:A:88:LEU:HB2	15	1.98
(1,817)	1:B:60:LEU:HD13	1:B:88:LEU:HB2	15	1.98
(1,817)	1:B:60:LEU:HD21	1:A:88:LEU:HB2	15	1.98
(1,817)	1:B:60:LEU:HD21	1:B:88:LEU:HB2	15	1.98
(1,817)	1:B:60:LEU:HD22	1:A:88:LEU:HB2	15	1.98
(1,817)	1:B:60:LEU:HD22	1:B:88:LEU:HB2	15	1.98
(1,817)	1:B:60:LEU:HD23	1:A:88:LEU:HB2	15	1.98
(1,817)	1:B:60:LEU:HD23	1:B:88:LEU:HB2	15	1.98
(1,812)	1:A:84:THR:HG21	1:A:60:LEU:HD11	17	1.98
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD11	17	1.98
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD12	17	1.98
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD13	17	1.98
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD21	17	1.98
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD22	17	1.98
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD23	17	1.98
(1,812)	1:A:84:THR:HG22	1:A:60:LEU:HD11	17	1.98
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD11	17	1.98
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD12	17	1.98
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD13	17	1.98
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD21	17	1.98
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD22	17	1.98
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD23	17	1.98
(1,812)	1:A:84:THR:HG23	1:A:60:LEU:HD11	17	1.98
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD11	17	1.98
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD12	17	1.98
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD13	17	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD21	17	1.98
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD22	17	1.98
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD23	17	1.98
(1,812)	1:B:84:THR:HG21	1:A:60:LEU:HD11	17	1.98
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD11	17	1.98
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD12	17	1.98
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD13	17	1.98
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD21	17	1.98
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD22	17	1.98
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD23	17	1.98
(1,812)	1:B:84:THR:HG22	1:A:60:LEU:HD11	17	1.98
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD11	17	1.98
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD12	17	1.98
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD13	17	1.98
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD21	17	1.98
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD22	17	1.98
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD23	17	1.98
(1,812)	1:B:84:THR:HG23	1:A:60:LEU:HD11	17	1.98
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD11	17	1.98
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD12	17	1.98
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD13	17	1.98
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD21	17	1.98
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD22	17	1.98
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD23	17	1.98
(1,774)	1:A:86:LYS:HD3	1:A:88:LEU:H	16	1.98
(1,774)	1:A:86:LYS:HD3	1:B:88:LEU:H	16	1.98
(1,774)	1:B:86:LYS:HD3	1:A:88:LEU:H	16	1.98
(1,774)	1:B:86:LYS:HD3	1:B:88:LEU:H	16	1.98
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG2	10	1.98
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG3	10	1.98
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG2	10	1.98
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG3	10	1.98
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG2	10	1.98
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG3	10	1.98
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG2	10	1.98
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG3	10	1.98
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG2	10	1.98
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG3	10	1.98
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG2	10	1.98
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG3	10	1.98
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG2	10	1.98
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG3	10	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG2	10	1.98
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG3	10	1.98
(1,267)	1:A:86:LYS:H	1:A:61:ILE:HG13	10	1.98
(1,267)	1:A:86:LYS:H	1:B:61:ILE:HG13	10	1.98
(1,267)	1:B:86:LYS:H	1:A:61:ILE:HG13	10	1.98
(1,267)	1:B:86:LYS:H	1:B:61:ILE:HG13	10	1.98
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG2	15	1.97
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG3	15	1.97
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG2	15	1.97
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG3	15	1.97
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG2	15	1.97
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG3	15	1.97
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG2	15	1.97
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG3	15	1.97
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG2	15	1.97
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG3	15	1.97
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG2	15	1.97
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG3	15	1.97
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG2	15	1.97
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG3	15	1.97
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG2	15	1.97
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG3	15	1.97
(1,627)	1:A:66:LYS:HG2	1:A:67:LYS:HG2	8	1.97
(1,627)	1:A:66:LYS:HG2	1:B:67:LYS:HG2	8	1.97
(1,627)	1:B:66:LYS:HG2	1:A:67:LYS:HG2	8	1.97
(1,627)	1:B:66:LYS:HG2	1:B:67:LYS:HG2	8	1.97
(1,404)	1:A:64:ALA:HA	1:A:67:LYS:H	10	1.97
(1,404)	1:A:64:ALA:HA	1:B:67:LYS:H	10	1.97
(1,404)	1:B:64:ALA:HA	1:A:67:LYS:H	10	1.97
(1,404)	1:B:64:ALA:HA	1:B:67:LYS:H	10	1.97
(1,267)	1:A:86:LYS:H	1:A:61:ILE:HG13	12	1.97
(1,267)	1:A:86:LYS:H	1:B:61:ILE:HG13	12	1.97
(1,267)	1:B:86:LYS:H	1:A:61:ILE:HG13	12	1.97
(1,267)	1:B:86:LYS:H	1:B:61:ILE:HG13	12	1.97
(1,837)	1:A:87:HIS:HD1	1:A:93:ARG:H	7	1.96
(1,837)	1:A:87:HIS:HD1	1:B:93:ARG:H	7	1.96
(1,837)	1:A:87:HIS:HD2	1:A:93:ARG:H	7	1.96
(1,837)	1:A:87:HIS:HD2	1:B:93:ARG:H	7	1.96
(1,837)	1:B:87:HIS:HD1	1:A:93:ARG:H	7	1.96
(1,837)	1:B:87:HIS:HD1	1:B:93:ARG:H	7	1.96
(1,837)	1:B:87:HIS:HD2	1:A:93:ARG:H	7	1.96
(1,837)	1:B:87:HIS:HD2	1:B:93:ARG:H	7	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,837)	1:A:87:HIS:HD1	1:A:93:ARG:H	16	1.96
(1,837)	1:A:87:HIS:HD1	1:B:93:ARG:H	16	1.96
(1,837)	1:A:87:HIS:HD2	1:A:93:ARG:H	16	1.96
(1,837)	1:A:87:HIS:HD2	1:B:93:ARG:H	16	1.96
(1,837)	1:B:87:HIS:HD1	1:A:93:ARG:H	16	1.96
(1,837)	1:B:87:HIS:HD1	1:B:93:ARG:H	16	1.96
(1,837)	1:B:87:HIS:HD2	1:A:93:ARG:H	16	1.96
(1,837)	1:B:87:HIS:HD2	1:B:93:ARG:H	16	1.96
(1,832)	1:A:87:HIS:HD1	1:A:91:LEU:HA	20	1.96
(1,832)	1:A:87:HIS:HD1	1:B:91:LEU:HA	20	1.96
(1,832)	1:A:87:HIS:HD2	1:A:91:LEU:HA	20	1.96
(1,832)	1:A:87:HIS:HD2	1:B:91:LEU:HA	20	1.96
(1,832)	1:B:87:HIS:HD1	1:A:91:LEU:HA	20	1.96
(1,832)	1:B:87:HIS:HD1	1:B:91:LEU:HA	20	1.96
(1,832)	1:B:87:HIS:HD2	1:A:91:LEU:HA	20	1.96
(1,832)	1:B:87:HIS:HD2	1:B:91:LEU:HA	20	1.96
(1,404)	1:A:64:ALA:HA	1:A:67:LYS:H	6	1.96
(1,404)	1:A:64:ALA:HA	1:B:67:LYS:H	6	1.96
(1,404)	1:B:64:ALA:HA	1:A:67:LYS:H	6	1.96
(1,404)	1:B:64:ALA:HA	1:B:67:LYS:H	6	1.96
(1,394)	1:A:67:LYS:H	1:A:69:SER:H	14	1.96
(1,394)	1:A:67:LYS:H	1:B:69:SER:H	14	1.96
(1,394)	1:B:67:LYS:H	1:A:69:SER:H	14	1.96
(1,394)	1:B:67:LYS:H	1:B:69:SER:H	14	1.96
(1,835)	1:A:87:HIS:HD1	1:A:67:LYS:HD2	9	1.95
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD2	9	1.95
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD3	9	1.95
(1,835)	1:A:87:HIS:HD2	1:A:67:LYS:HD2	9	1.95
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD2	9	1.95
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD3	9	1.95
(1,835)	1:B:87:HIS:HD1	1:A:67:LYS:HD2	9	1.95
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD2	9	1.95
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD3	9	1.95
(1,835)	1:B:87:HIS:HD2	1:A:67:LYS:HD2	9	1.95
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD2	9	1.95
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD3	9	1.95
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB2	4	1.95
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB3	4	1.95
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB2	4	1.95
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB3	4	1.95
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB2	4	1.95
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB3	4	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB2	4	1.95
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB3	4	1.95
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB2	4	1.95
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB3	4	1.95
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB2	4	1.95
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB3	4	1.95
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB2	4	1.95
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB3	4	1.95
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB2	4	1.95
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB3	4	1.95
(1,812)	1:A:84:THR:HG21	1:A:60:LEU:HD11	11	1.95
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD11	11	1.95
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD12	11	1.95
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD13	11	1.95
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD21	11	1.95
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD22	11	1.95
(1,812)	1:A:84:THR:HG21	1:B:60:LEU:HD23	11	1.95
(1,812)	1:A:84:THR:HG22	1:A:60:LEU:HD11	11	1.95
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD11	11	1.95
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD12	11	1.95
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD13	11	1.95
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD21	11	1.95
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD22	11	1.95
(1,812)	1:A:84:THR:HG22	1:B:60:LEU:HD23	11	1.95
(1,812)	1:A:84:THR:HG23	1:A:60:LEU:HD11	11	1.95
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD11	11	1.95
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD12	11	1.95
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD13	11	1.95
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD21	11	1.95
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD22	11	1.95
(1,812)	1:A:84:THR:HG23	1:B:60:LEU:HD23	11	1.95
(1,812)	1:B:84:THR:HG21	1:A:60:LEU:HD11	11	1.95
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD11	11	1.95
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD12	11	1.95
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD13	11	1.95
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD21	11	1.95
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD22	11	1.95
(1,812)	1:B:84:THR:HG21	1:B:60:LEU:HD23	11	1.95
(1,812)	1:B:84:THR:HG22	1:A:60:LEU:HD11	11	1.95
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD11	11	1.95
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD12	11	1.95
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD13	11	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD21	11	1.95
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD22	11	1.95
(1,812)	1:B:84:THR:HG22	1:B:60:LEU:HD23	11	1.95
(1,812)	1:B:84:THR:HG23	1:A:60:LEU:HD11	11	1.95
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD11	11	1.95
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD12	11	1.95
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD13	11	1.95
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD21	11	1.95
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD22	11	1.95
(1,812)	1:B:84:THR:HG23	1:B:60:LEU:HD23	11	1.95
(1,746)	1:A:87:HIS:HD1	1:A:92:GLN:H	13	1.95
(1,746)	1:A:87:HIS:HD1	1:B:92:GLN:H	13	1.95
(1,746)	1:B:87:HIS:HD1	1:A:92:GLN:H	13	1.95
(1,746)	1:B:87:HIS:HD1	1:B:92:GLN:H	13	1.95
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD11	1	1.95
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD12	1	1.95
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD13	1	1.95
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD11	1	1.95
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD12	1	1.95
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD13	1	1.95
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD11	1	1.95
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD12	1	1.95
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD13	1	1.95
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD11	1	1.95
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD12	1	1.95
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD13	1	1.95
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG2	13	1.95
(1,633)	1:A:90:ASN:HB2	1:A:92:GLN:HG3	13	1.95
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG2	13	1.95
(1,633)	1:A:90:ASN:HB2	1:B:92:GLN:HG3	13	1.95
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG2	13	1.95
(1,633)	1:A:90:ASN:HB3	1:A:92:GLN:HG3	13	1.95
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG2	13	1.95
(1,633)	1:A:90:ASN:HB3	1:B:92:GLN:HG3	13	1.95
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG2	13	1.95
(1,633)	1:B:90:ASN:HB2	1:A:92:GLN:HG3	13	1.95
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG2	13	1.95
(1,633)	1:B:90:ASN:HB2	1:B:92:GLN:HG3	13	1.95
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG2	13	1.95
(1,633)	1:B:90:ASN:HB3	1:A:92:GLN:HG3	13	1.95
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG2	13	1.95
(1,633)	1:B:90:ASN:HB3	1:B:92:GLN:HG3	13	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,431)	1:A:71:ARG:HG2	1:A:75:LEU:HA	8	1.95
(1,431)	1:A:71:ARG:HG2	1:B:75:LEU:HA	8	1.95
(1,431)	1:B:71:ARG:HG2	1:A:75:LEU:HA	8	1.95
(1,431)	1:B:71:ARG:HG2	1:B:75:LEU:HA	8	1.95
(1,224)	1:A:81:LEU:HB2	1:A:56:GLN:HE21	19	1.95
(1,224)	1:A:81:LEU:HB2	1:B:56:GLN:HE21	19	1.95
(1,224)	1:A:81:LEU:HB3	1:A:56:GLN:HE21	19	1.95
(1,224)	1:A:81:LEU:HB3	1:B:56:GLN:HE21	19	1.95
(1,224)	1:B:81:LEU:HB2	1:A:56:GLN:HE21	19	1.95
(1,224)	1:B:81:LEU:HB2	1:B:56:GLN:HE21	19	1.95
(1,224)	1:B:81:LEU:HB3	1:A:56:GLN:HE21	19	1.95
(1,224)	1:B:81:LEU:HB3	1:B:56:GLN:HE21	19	1.95
(1,832)	1:A:87:HIS:HD1	1:A:91:LEU:HA	3	1.94
(1,832)	1:A:87:HIS:HD1	1:B:91:LEU:HA	3	1.94
(1,832)	1:A:87:HIS:HD2	1:A:91:LEU:HA	3	1.94
(1,832)	1:A:87:HIS:HD2	1:B:91:LEU:HA	3	1.94
(1,832)	1:B:87:HIS:HD1	1:A:91:LEU:HA	3	1.94
(1,832)	1:B:87:HIS:HD1	1:B:91:LEU:HA	3	1.94
(1,832)	1:B:87:HIS:HD2	1:A:91:LEU:HA	3	1.94
(1,832)	1:B:87:HIS:HD2	1:B:91:LEU:HA	3	1.94
(1,832)	1:A:87:HIS:HD1	1:A:91:LEU:HA	13	1.94
(1,832)	1:A:87:HIS:HD1	1:B:91:LEU:HA	13	1.94
(1,832)	1:A:87:HIS:HD2	1:A:91:LEU:HA	13	1.94
(1,832)	1:A:87:HIS:HD2	1:B:91:LEU:HA	13	1.94
(1,832)	1:B:87:HIS:HD1	1:A:91:LEU:HA	13	1.94
(1,832)	1:B:87:HIS:HD1	1:B:91:LEU:HA	13	1.94
(1,832)	1:B:87:HIS:HD2	1:A:91:LEU:HA	13	1.94
(1,832)	1:B:87:HIS:HD2	1:B:91:LEU:HA	13	1.94
(1,680)	1:A:66:LYS:HG2	1:A:67:LYS:HG3	6	1.94
(1,680)	1:A:66:LYS:HG2	1:B:67:LYS:HG3	6	1.94
(1,680)	1:B:66:LYS:HG2	1:A:67:LYS:HG3	6	1.94
(1,680)	1:B:66:LYS:HG2	1:B:67:LYS:HG3	6	1.94
(1,936)	1:A:75:LEU:H	1:A:71:ARG:O	8	1.93
(1,936)	1:A:75:LEU:H	1:B:71:ARG:O	8	1.93
(1,936)	1:B:75:LEU:H	1:A:71:ARG:O	8	1.93
(1,936)	1:B:75:LEU:H	1:B:71:ARG:O	8	1.93
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB2	9	1.93
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB3	9	1.93
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB2	9	1.93
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB3	9	1.93
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB2	9	1.93
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB3	9	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB2	9	1.93
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB3	9	1.93
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB2	9	1.93
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB3	9	1.93
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB2	9	1.93
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB3	9	1.93
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB2	9	1.93
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB3	9	1.93
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB2	9	1.93
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB3	9	1.93
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB2	15	1.93
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB3	15	1.93
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB2	15	1.93
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB3	15	1.93
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB2	15	1.93
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB3	15	1.93
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB2	15	1.93
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB3	15	1.93
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB2	15	1.93
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB3	15	1.93
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB2	15	1.93
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB3	15	1.93
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB2	15	1.93
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB3	15	1.93
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB2	15	1.93
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB3	15	1.93
(1,774)	1:A:86:LYS:HD3	1:A:88:LEU:H	18	1.93
(1,774)	1:A:86:LYS:HD3	1:B:88:LEU:H	18	1.93
(1,774)	1:B:86:LYS:HD3	1:A:88:LEU:H	18	1.93
(1,774)	1:B:86:LYS:HD3	1:B:88:LEU:H	18	1.93
(1,394)	1:A:67:LYS:H	1:A:69:SER:H	4	1.93
(1,394)	1:A:67:LYS:H	1:B:69:SER:H	4	1.93
(1,394)	1:B:67:LYS:H	1:A:69:SER:H	4	1.93
(1,394)	1:B:67:LYS:H	1:B:69:SER:H	4	1.93
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB2	6	1.92
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB3	6	1.92
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB2	6	1.92
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB3	6	1.92
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB2	6	1.92
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB3	6	1.92
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB2	6	1.92
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB3	6	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG2	13	1.92
(1,849)	1:A:90:ASN:HD21	1:A:92:GLN:HG3	13	1.92
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG2	13	1.92
(1,849)	1:A:90:ASN:HD21	1:B:92:GLN:HG3	13	1.92
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG2	13	1.92
(1,849)	1:A:90:ASN:HD22	1:A:92:GLN:HG3	13	1.92
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG2	13	1.92
(1,849)	1:A:90:ASN:HD22	1:B:92:GLN:HG3	13	1.92
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG2	13	1.92
(1,849)	1:B:90:ASN:HD21	1:A:92:GLN:HG3	13	1.92
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG2	13	1.92
(1,849)	1:B:90:ASN:HD21	1:B:92:GLN:HG3	13	1.92
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG2	13	1.92
(1,849)	1:B:90:ASN:HD22	1:A:92:GLN:HG3	13	1.92
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG2	13	1.92
(1,849)	1:B:90:ASN:HD22	1:B:92:GLN:HG3	13	1.92
(1,837)	1:A:87:HIS:HD1	1:A:93:ARG:H	8	1.92
(1,837)	1:A:87:HIS:HD1	1:B:93:ARG:H	8	1.92
(1,837)	1:A:87:HIS:HD2	1:A:93:ARG:H	8	1.92
(1,837)	1:A:87:HIS:HD2	1:B:93:ARG:H	8	1.92
(1,837)	1:B:87:HIS:HD1	1:A:93:ARG:H	8	1.92
(1,837)	1:B:87:HIS:HD1	1:B:93:ARG:H	8	1.92
(1,837)	1:B:87:HIS:HD2	1:A:93:ARG:H	8	1.92
(1,837)	1:B:87:HIS:HD2	1:B:93:ARG:H	8	1.92
(1,817)	1:A:60:LEU:HD11	1:A:88:LEU:HB2	8	1.92
(1,817)	1:A:60:LEU:HD11	1:B:88:LEU:HB2	8	1.92
(1,817)	1:B:60:LEU:HD11	1:A:88:LEU:HB2	8	1.92
(1,817)	1:B:60:LEU:HD11	1:B:88:LEU:HB2	8	1.92
(1,817)	1:B:60:LEU:HD12	1:A:88:LEU:HB2	8	1.92
(1,817)	1:B:60:LEU:HD12	1:B:88:LEU:HB2	8	1.92
(1,817)	1:B:60:LEU:HD13	1:A:88:LEU:HB2	8	1.92
(1,817)	1:B:60:LEU:HD13	1:B:88:LEU:HB2	8	1.92
(1,817)	1:B:60:LEU:HD21	1:A:88:LEU:HB2	8	1.92
(1,817)	1:B:60:LEU:HD21	1:B:88:LEU:HB2	8	1.92
(1,817)	1:B:60:LEU:HD22	1:A:88:LEU:HB2	8	1.92
(1,817)	1:B:60:LEU:HD22	1:B:88:LEU:HB2	8	1.92
(1,817)	1:B:60:LEU:HD23	1:A:88:LEU:HB2	8	1.92
(1,817)	1:B:60:LEU:HD23	1:B:88:LEU:HB2	8	1.92
(1,731)	1:A:86:LYS:HD3	1:A:87:HIS:HA	4	1.92
(1,731)	1:A:86:LYS:HD3	1:B:87:HIS:HA	4	1.92
(1,731)	1:B:86:LYS:HD3	1:A:87:HIS:HA	4	1.92
(1,731)	1:B:86:LYS:HD3	1:B:87:HIS:HA	4	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:A:90:ASN:HB2	1:A:65:LEU:HD11	11	1.92
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD11	11	1.92
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD12	11	1.92
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD13	11	1.92
(1,647)	1:A:90:ASN:HB3	1:A:65:LEU:HD11	11	1.92
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD11	11	1.92
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD12	11	1.92
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD13	11	1.92
(1,647)	1:B:90:ASN:HB2	1:A:65:LEU:HD11	11	1.92
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD11	11	1.92
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD12	11	1.92
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD13	11	1.92
(1,647)	1:B:90:ASN:HB3	1:A:65:LEU:HD11	11	1.92
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD11	11	1.92
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD12	11	1.92
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD13	11	1.92
(1,647)	1:A:90:ASN:HB2	1:A:65:LEU:HD11	13	1.92
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD11	13	1.92
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD12	13	1.92
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD13	13	1.92
(1,647)	1:A:90:ASN:HB3	1:A:65:LEU:HD11	13	1.92
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD11	13	1.92
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD12	13	1.92
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD13	13	1.92
(1,647)	1:B:90:ASN:HB2	1:A:65:LEU:HD11	13	1.92
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD11	13	1.92
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD12	13	1.92
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD13	13	1.92
(1,647)	1:B:90:ASN:HB3	1:A:65:LEU:HD11	13	1.92
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD11	13	1.92
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD12	13	1.92
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD13	13	1.92
(1,370)	1:A:66:LYS:HA	1:A:69:SER:H	20	1.92
(1,370)	1:A:66:LYS:HA	1:B:69:SER:H	20	1.92
(1,370)	1:B:66:LYS:HA	1:A:69:SER:H	20	1.92
(1,370)	1:B:66:LYS:HA	1:B:69:SER:H	20	1.92
(1,259)	1:A:56:GLN:HG3	1:A:82:GLU:H	16	1.92
(1,259)	1:A:56:GLN:HG3	1:B:82:GLU:H	16	1.92
(1,259)	1:B:56:GLN:HG3	1:A:82:GLU:H	16	1.92
(1,259)	1:B:56:GLN:HG3	1:B:82:GLU:H	16	1.92
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB2	18	1.91
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB3	18	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB2	18	1.91
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB3	18	1.91
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB2	18	1.91
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB3	18	1.91
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB2	18	1.91
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB3	18	1.91
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB2	18	1.91
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB3	18	1.91
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB2	18	1.91
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB3	18	1.91
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB2	18	1.91
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB3	18	1.91
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB2	18	1.91
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB3	18	1.91
(1,774)	1:A:86:LYS:HD3	1:A:88:LEU:H	12	1.91
(1,774)	1:A:86:LYS:HD3	1:B:88:LEU:H	12	1.91
(1,774)	1:B:86:LYS:HD3	1:A:88:LEU:H	12	1.91
(1,774)	1:B:86:LYS:HD3	1:B:88:LEU:H	12	1.91
(1,747)	1:A:87:HIS:HD2	1:A:92:GLN:H	12	1.91
(1,747)	1:A:87:HIS:HD2	1:B:92:GLN:H	12	1.91
(1,747)	1:B:87:HIS:HD2	1:A:92:GLN:H	12	1.91
(1,747)	1:B:87:HIS:HD2	1:B:92:GLN:H	12	1.91
(1,731)	1:A:86:LYS:HD3	1:A:87:HIS:HA	11	1.91
(1,731)	1:A:86:LYS:HD3	1:B:87:HIS:HA	11	1.91
(1,731)	1:B:86:LYS:HD3	1:A:87:HIS:HA	11	1.91
(1,731)	1:B:86:LYS:HD3	1:B:87:HIS:HA	11	1.91
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD11	15	1.91
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD12	15	1.91
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD13	15	1.91
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD11	15	1.91
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD12	15	1.91
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD13	15	1.91
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD11	15	1.91
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD12	15	1.91
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD13	15	1.91
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD11	15	1.91
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD12	15	1.91
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD13	15	1.91
(1,404)	1:A:64:ALA:HA	1:A:67:LYS:H	20	1.91
(1,404)	1:A:64:ALA:HA	1:B:67:LYS:H	20	1.91
(1,404)	1:B:64:ALA:HA	1:A:67:LYS:H	20	1.91
(1,404)	1:B:64:ALA:HA	1:B:67:LYS:H	20	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,237)	1:A:79:ASP:H	1:A:54:LEU:HD11	4	1.91
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD11	4	1.91
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD12	4	1.91
(1,237)	1:A:79:ASP:H	1:B:54:LEU:HD13	4	1.91
(1,237)	1:B:79:ASP:H	1:A:54:LEU:HD11	4	1.91
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD11	4	1.91
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD12	4	1.91
(1,237)	1:B:79:ASP:H	1:B:54:LEU:HD13	4	1.91
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB2	18	1.9
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB3	18	1.9
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB2	18	1.9
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB3	18	1.9
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB2	18	1.9
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB3	18	1.9
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB2	18	1.9
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB3	18	1.9
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB2	16	1.9
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB3	16	1.9
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB2	16	1.9
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB3	16	1.9
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB2	16	1.9
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB3	16	1.9
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB2	16	1.9
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB3	16	1.9
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB2	16	1.9
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB3	16	1.9
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB2	16	1.9
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB3	16	1.9
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB2	16	1.9
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB3	16	1.9
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB2	16	1.9
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB3	16	1.9
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB2	17	1.9
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB3	17	1.9
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB2	17	1.9
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB3	17	1.9
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB2	17	1.9
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB3	17	1.9
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB2	17	1.9
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB3	17	1.9
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB2	17	1.9
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB3	17	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB2	17	1.9
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB3	17	1.9
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB2	17	1.9
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB3	17	1.9
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB2	17	1.9
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB3	17	1.9
(1,267)	1:A:86:LYS:H	1:A:61:ILE:HG13	9	1.9
(1,267)	1:A:86:LYS:H	1:B:61:ILE:HG13	9	1.9
(1,267)	1:B:86:LYS:H	1:A:61:ILE:HG13	9	1.9
(1,267)	1:B:86:LYS:H	1:B:61:ILE:HG13	9	1.9
(1,680)	1:A:66:LYS:HG2	1:A:67:LYS:HG3	11	1.89
(1,680)	1:A:66:LYS:HG2	1:B:67:LYS:HG3	11	1.89
(1,680)	1:B:66:LYS:HG2	1:A:67:LYS:HG3	11	1.89
(1,680)	1:B:66:LYS:HG2	1:B:67:LYS:HG3	11	1.89
(1,627)	1:A:66:LYS:HG2	1:A:67:LYS:HG2	9	1.89
(1,627)	1:A:66:LYS:HG2	1:B:67:LYS:HG2	9	1.89
(1,627)	1:B:66:LYS:HG2	1:A:67:LYS:HG2	9	1.89
(1,627)	1:B:66:LYS:HG2	1:B:67:LYS:HG2	9	1.89
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB2	12	1.89
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB3	12	1.89
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB2	12	1.89
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB3	12	1.89
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB2	12	1.89
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB3	12	1.89
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB2	12	1.89
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB3	12	1.89
(1,394)	1:A:67:LYS:H	1:A:69:SER:H	18	1.89
(1,394)	1:A:67:LYS:H	1:B:69:SER:H	18	1.89
(1,394)	1:B:67:LYS:H	1:A:69:SER:H	18	1.89
(1,394)	1:B:67:LYS:H	1:B:69:SER:H	18	1.89
(1,370)	1:A:66:LYS:HA	1:A:69:SER:H	11	1.89
(1,370)	1:A:66:LYS:HA	1:B:69:SER:H	11	1.89
(1,370)	1:B:66:LYS:HA	1:A:69:SER:H	11	1.89
(1,370)	1:B:66:LYS:HA	1:B:69:SER:H	11	1.89
(1,267)	1:A:86:LYS:H	1:A:61:ILE:HG13	15	1.89
(1,267)	1:A:86:LYS:H	1:B:61:ILE:HG13	15	1.89
(1,267)	1:B:86:LYS:H	1:A:61:ILE:HG13	15	1.89
(1,267)	1:B:86:LYS:H	1:B:61:ILE:HG13	15	1.89
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB2	6	1.88
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB3	6	1.88
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB2	6	1.88
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB3	6	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB2	6	1.88
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB3	6	1.88
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB2	6	1.88
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB3	6	1.88
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB2	6	1.88
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB3	6	1.88
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB2	6	1.88
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB3	6	1.88
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB2	6	1.88
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB3	6	1.88
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB2	6	1.88
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB3	6	1.88
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB2	8	1.88
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB3	8	1.88
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB2	8	1.88
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB3	8	1.88
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB2	8	1.88
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB3	8	1.88
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB2	8	1.88
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB3	8	1.88
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB2	8	1.88
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB3	8	1.88
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB2	8	1.88
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB3	8	1.88
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB2	8	1.88
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB3	8	1.88
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB2	8	1.88
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB3	8	1.88
(1,602)	1:A:64:ALA:HB2	1:A:67:LYS:HG3	18	1.88
(1,602)	1:A:64:ALA:HB2	1:B:67:LYS:HG3	18	1.88
(1,602)	1:B:64:ALA:HB2	1:A:67:LYS:HG3	18	1.88
(1,602)	1:B:64:ALA:HB2	1:B:67:LYS:HG3	18	1.88
(1,394)	1:A:67:LYS:H	1:A:69:SER:H	19	1.88
(1,394)	1:A:67:LYS:H	1:B:69:SER:H	19	1.88
(1,394)	1:B:67:LYS:H	1:A:69:SER:H	19	1.88
(1,394)	1:B:67:LYS:H	1:B:69:SER:H	19	1.88
(1,394)	1:A:67:LYS:H	1:A:69:SER:H	20	1.88
(1,394)	1:A:67:LYS:H	1:B:69:SER:H	20	1.88
(1,394)	1:B:67:LYS:H	1:A:69:SER:H	20	1.88
(1,394)	1:B:67:LYS:H	1:B:69:SER:H	20	1.88
(1,259)	1:A:56:GLN:HG3	1:A:82:GLU:H	11	1.88
(1,259)	1:A:56:GLN:HG3	1:B:82:GLU:H	11	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,259)	1:B:56:GLN:HG3	1:A:82:GLU:H	11	1.88
(1,259)	1:B:56:GLN:HG3	1:B:82:GLU:H	11	1.88
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB2	10	1.87
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB3	10	1.87
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB2	10	1.87
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB3	10	1.87
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB2	10	1.87
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB3	10	1.87
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB2	10	1.87
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB3	10	1.87
(1,833)	1:A:87:HIS:HD1	1:A:92:GLN:H	12	1.87
(1,833)	1:A:87:HIS:HD1	1:B:92:GLN:H	12	1.87
(1,833)	1:A:87:HIS:HD2	1:A:92:GLN:H	12	1.87
(1,833)	1:A:87:HIS:HD2	1:B:92:GLN:H	12	1.87
(1,833)	1:B:87:HIS:HD1	1:A:92:GLN:H	12	1.87
(1,833)	1:B:87:HIS:HD1	1:B:92:GLN:H	12	1.87
(1,833)	1:B:87:HIS:HD2	1:A:92:GLN:H	12	1.87
(1,833)	1:B:87:HIS:HD2	1:B:92:GLN:H	12	1.87
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB2	9	1.87
(1,564)	1:A:66:LYS:HA	1:A:69:SER:HB3	9	1.87
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB2	9	1.87
(1,564)	1:A:66:LYS:HA	1:B:69:SER:HB3	9	1.87
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB2	9	1.87
(1,564)	1:B:66:LYS:HA	1:A:69:SER:HB3	9	1.87
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB2	9	1.87
(1,564)	1:B:66:LYS:HA	1:B:69:SER:HB3	9	1.87
(1,267)	1:A:86:LYS:H	1:A:61:ILE:HG13	13	1.87
(1,267)	1:A:86:LYS:H	1:B:61:ILE:HG13	13	1.87
(1,267)	1:B:86:LYS:H	1:A:61:ILE:HG13	13	1.87
(1,267)	1:B:86:LYS:H	1:B:61:ILE:HG13	13	1.87
(1,267)	1:A:86:LYS:H	1:A:61:ILE:HG13	14	1.87
(1,267)	1:A:86:LYS:H	1:B:61:ILE:HG13	14	1.87
(1,267)	1:B:86:LYS:H	1:A:61:ILE:HG13	14	1.87
(1,267)	1:B:86:LYS:H	1:B:61:ILE:HG13	14	1.87
(1,259)	1:A:56:GLN:HG3	1:A:82:GLU:H	15	1.87
(1,259)	1:A:56:GLN:HG3	1:B:82:GLU:H	15	1.87
(1,259)	1:B:56:GLN:HG3	1:A:82:GLU:H	15	1.87
(1,259)	1:B:56:GLN:HG3	1:B:82:GLU:H	15	1.87
(1,938)	1:A:76:GLU:N	1:A:72:HIS:O	19	1.86
(1,938)	1:A:76:GLU:N	1:B:72:HIS:O	19	1.86
(1,938)	1:B:76:GLU:N	1:A:72:HIS:O	19	1.86
(1,938)	1:B:76:GLU:N	1:B:72:HIS:O	19	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,936)	1:A:75:LEU:H	1:A:71:ARG:O	20	1.86
(1,936)	1:A:75:LEU:H	1:B:71:ARG:O	20	1.86
(1,936)	1:B:75:LEU:H	1:A:71:ARG:O	20	1.86
(1,936)	1:B:75:LEU:H	1:B:71:ARG:O	20	1.86
(1,837)	1:A:87:HIS:HD1	1:A:93:ARG:H	4	1.86
(1,837)	1:A:87:HIS:HD1	1:B:93:ARG:H	4	1.86
(1,837)	1:A:87:HIS:HD2	1:A:93:ARG:H	4	1.86
(1,837)	1:A:87:HIS:HD2	1:B:93:ARG:H	4	1.86
(1,837)	1:B:87:HIS:HD1	1:A:93:ARG:H	4	1.86
(1,837)	1:B:87:HIS:HD1	1:B:93:ARG:H	4	1.86
(1,837)	1:B:87:HIS:HD2	1:A:93:ARG:H	4	1.86
(1,837)	1:B:87:HIS:HD2	1:B:93:ARG:H	4	1.86
(1,837)	1:A:87:HIS:HD1	1:A:93:ARG:H	10	1.86
(1,837)	1:A:87:HIS:HD1	1:B:93:ARG:H	10	1.86
(1,837)	1:A:87:HIS:HD2	1:A:93:ARG:H	10	1.86
(1,837)	1:A:87:HIS:HD2	1:B:93:ARG:H	10	1.86
(1,837)	1:B:87:HIS:HD1	1:A:93:ARG:H	10	1.86
(1,837)	1:B:87:HIS:HD1	1:B:93:ARG:H	10	1.86
(1,837)	1:B:87:HIS:HD2	1:A:93:ARG:H	10	1.86
(1,837)	1:B:87:HIS:HD2	1:B:93:ARG:H	10	1.86
(1,404)	1:A:64:ALA:HA	1:A:67:LYS:H	11	1.86
(1,404)	1:A:64:ALA:HA	1:B:67:LYS:H	11	1.86
(1,404)	1:B:64:ALA:HA	1:A:67:LYS:H	11	1.86
(1,404)	1:B:64:ALA:HA	1:B:67:LYS:H	11	1.86
(1,370)	1:A:66:LYS:HA	1:A:69:SER:H	8	1.86
(1,370)	1:A:66:LYS:HA	1:B:69:SER:H	8	1.86
(1,370)	1:B:66:LYS:HA	1:A:69:SER:H	8	1.86
(1,370)	1:B:66:LYS:HA	1:B:69:SER:H	8	1.86
(1,267)	1:A:86:LYS:H	1:A:61:ILE:HG13	16	1.86
(1,267)	1:A:86:LYS:H	1:B:61:ILE:HG13	16	1.86
(1,267)	1:B:86:LYS:H	1:A:61:ILE:HG13	16	1.86
(1,267)	1:B:86:LYS:H	1:B:61:ILE:HG13	16	1.86
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB2	14	1.85
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB3	14	1.85
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB2	14	1.85
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB3	14	1.85
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB2	14	1.85
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB3	14	1.85
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB2	14	1.85
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB3	14	1.85
(1,837)	1:A:87:HIS:HD1	1:A:93:ARG:H	6	1.85
(1,837)	1:A:87:HIS:HD1	1:B:93:ARG:H	6	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,837)	1:A:87:HIS:HD2	1:A:93:ARG:H	6	1.85
(1,837)	1:A:87:HIS:HD2	1:B:93:ARG:H	6	1.85
(1,837)	1:B:87:HIS:HD1	1:A:93:ARG:H	6	1.85
(1,837)	1:B:87:HIS:HD1	1:B:93:ARG:H	6	1.85
(1,837)	1:B:87:HIS:HD2	1:A:93:ARG:H	6	1.85
(1,837)	1:B:87:HIS:HD2	1:B:93:ARG:H	6	1.85
(1,835)	1:A:87:HIS:HD1	1:A:67:LYS:HD2	12	1.85
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD2	12	1.85
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD3	12	1.85
(1,835)	1:A:87:HIS:HD2	1:A:67:LYS:HD2	12	1.85
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD2	12	1.85
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD3	12	1.85
(1,835)	1:B:87:HIS:HD1	1:A:67:LYS:HD2	12	1.85
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD2	12	1.85
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD3	12	1.85
(1,835)	1:B:87:HIS:HD2	1:A:67:LYS:HD2	12	1.85
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD2	12	1.85
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD3	12	1.85
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB2	7	1.85
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB3	7	1.85
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB2	7	1.85
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB3	7	1.85
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB2	7	1.85
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB3	7	1.85
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB2	7	1.85
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB3	7	1.85
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB2	7	1.85
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB3	7	1.85
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB2	7	1.85
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB3	7	1.85
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB2	7	1.85
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB3	7	1.85
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB2	7	1.85
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB3	7	1.85
(1,774)	1:A:86:LYS:HD3	1:A:88:LEU:H	8	1.85
(1,774)	1:A:86:LYS:HD3	1:B:88:LEU:H	8	1.85
(1,774)	1:B:86:LYS:HD3	1:A:88:LEU:H	8	1.85
(1,774)	1:B:86:LYS:HD3	1:B:88:LEU:H	8	1.85
(1,394)	1:A:67:LYS:H	1:A:69:SER:H	7	1.85
(1,394)	1:A:67:LYS:H	1:B:69:SER:H	7	1.85
(1,394)	1:B:67:LYS:H	1:A:69:SER:H	7	1.85
(1,394)	1:B:67:LYS:H	1:B:69:SER:H	7	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:A:86:LYS:H	1:A:61:ILE:HG13	5	1.85
(1,267)	1:A:86:LYS:H	1:B:61:ILE:HG13	5	1.85
(1,267)	1:B:86:LYS:H	1:A:61:ILE:HG13	5	1.85
(1,267)	1:B:86:LYS:H	1:B:61:ILE:HG13	5	1.85
(1,267)	1:A:86:LYS:H	1:A:61:ILE:HG13	7	1.85
(1,267)	1:A:86:LYS:H	1:B:61:ILE:HG13	7	1.85
(1,267)	1:B:86:LYS:H	1:A:61:ILE:HG13	7	1.85
(1,267)	1:B:86:LYS:H	1:B:61:ILE:HG13	7	1.85
(1,259)	1:A:56:GLN:HG3	1:A:82:GLU:H	13	1.85
(1,259)	1:A:56:GLN:HG3	1:B:82:GLU:H	13	1.85
(1,259)	1:B:56:GLN:HG3	1:A:82:GLU:H	13	1.85
(1,259)	1:B:56:GLN:HG3	1:B:82:GLU:H	13	1.85
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB2	1	1.84
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB3	1	1.84
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB2	1	1.84
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB3	1	1.84
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB2	1	1.84
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB3	1	1.84
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB2	1	1.84
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB3	1	1.84
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB2	1	1.84
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB3	1	1.84
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB2	1	1.84
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB3	1	1.84
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB2	1	1.84
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB3	1	1.84
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB2	1	1.84
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB3	1	1.84
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD11	6	1.84
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD12	6	1.84
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD13	6	1.84
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD11	6	1.84
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD12	6	1.84
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD13	6	1.84
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD11	6	1.84
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD12	6	1.84
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD13	6	1.84
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD11	6	1.84
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD12	6	1.84
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD13	6	1.84
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD11	15	1.84
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD12	15	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD13	15	1.84
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD11	15	1.84
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD12	15	1.84
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD13	15	1.84
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD11	15	1.84
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD12	15	1.84
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD13	15	1.84
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD11	15	1.84
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD12	15	1.84
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD13	15	1.84
(1,394)	1:A:67:LYS:H	1:A:69:SER:H	15	1.84
(1,394)	1:A:67:LYS:H	1:B:69:SER:H	15	1.84
(1,394)	1:B:67:LYS:H	1:A:69:SER:H	15	1.84
(1,394)	1:B:67:LYS:H	1:B:69:SER:H	15	1.84
(1,267)	1:A:86:LYS:H	1:A:61:ILE:HG13	11	1.84
(1,267)	1:A:86:LYS:H	1:B:61:ILE:HG13	11	1.84
(1,267)	1:B:86:LYS:H	1:A:61:ILE:HG13	11	1.84
(1,267)	1:B:86:LYS:H	1:B:61:ILE:HG13	11	1.84
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB2	16	1.83
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB3	16	1.83
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB2	16	1.83
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB3	16	1.83
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB2	16	1.83
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB3	16	1.83
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB2	16	1.83
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB3	16	1.83
(1,731)	1:A:86:LYS:HD3	1:A:87:HIS:HA	19	1.83
(1,731)	1:A:86:LYS:HD3	1:B:87:HIS:HA	19	1.83
(1,731)	1:B:86:LYS:HD3	1:A:87:HIS:HA	19	1.83
(1,731)	1:B:86:LYS:HD3	1:B:87:HIS:HA	19	1.83
(1,627)	1:A:66:LYS:HG2	1:A:67:LYS:HG2	3	1.83
(1,627)	1:A:66:LYS:HG2	1:B:67:LYS:HG2	3	1.83
(1,627)	1:B:66:LYS:HG2	1:A:67:LYS:HG2	3	1.83
(1,627)	1:B:66:LYS:HG2	1:B:67:LYS:HG2	3	1.83
(1,404)	1:A:64:ALA:HA	1:A:67:LYS:H	4	1.83
(1,404)	1:A:64:ALA:HA	1:B:67:LYS:H	4	1.83
(1,404)	1:B:64:ALA:HA	1:A:67:LYS:H	4	1.83
(1,404)	1:B:64:ALA:HA	1:B:67:LYS:H	4	1.83
(1,259)	1:A:56:GLN:HG3	1:A:82:GLU:H	17	1.83
(1,259)	1:A:56:GLN:HG3	1:B:82:GLU:H	17	1.83
(1,259)	1:B:56:GLN:HG3	1:A:82:GLU:H	17	1.83
(1,259)	1:B:56:GLN:HG3	1:B:82:GLU:H	17	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB2	10	1.82
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB3	10	1.82
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB2	10	1.82
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB3	10	1.82
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB2	10	1.82
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB3	10	1.82
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB2	10	1.82
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB3	10	1.82
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB2	10	1.82
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB3	10	1.82
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB2	10	1.82
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB3	10	1.82
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB2	10	1.82
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB3	10	1.82
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB2	10	1.82
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB3	10	1.82
(1,783)	1:A:64:ALA:HB1	1:A:67:LYS:H	12	1.82
(1,783)	1:A:64:ALA:HB1	1:B:67:LYS:H	12	1.82
(1,783)	1:A:64:ALA:HB2	1:A:67:LYS:H	12	1.82
(1,783)	1:A:64:ALA:HB2	1:B:67:LYS:H	12	1.82
(1,783)	1:A:64:ALA:HB3	1:A:67:LYS:H	12	1.82
(1,783)	1:A:64:ALA:HB3	1:B:67:LYS:H	12	1.82
(1,783)	1:B:64:ALA:HB1	1:A:67:LYS:H	12	1.82
(1,783)	1:B:64:ALA:HB1	1:B:67:LYS:H	12	1.82
(1,783)	1:B:64:ALA:HB2	1:A:67:LYS:H	12	1.82
(1,783)	1:B:64:ALA:HB2	1:B:67:LYS:H	12	1.82
(1,783)	1:B:64:ALA:HB3	1:A:67:LYS:H	12	1.82
(1,783)	1:B:64:ALA:HB3	1:B:67:LYS:H	12	1.82
(1,747)	1:A:87:HIS:HD2	1:A:92:GLN:H	14	1.82
(1,747)	1:A:87:HIS:HD2	1:B:92:GLN:H	14	1.82
(1,747)	1:B:87:HIS:HD2	1:A:92:GLN:H	14	1.82
(1,747)	1:B:87:HIS:HD2	1:B:92:GLN:H	14	1.82
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD11	12	1.82
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD12	12	1.82
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD13	12	1.82
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD11	12	1.82
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD12	12	1.82
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD13	12	1.82
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD11	12	1.82
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD12	12	1.82
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD13	12	1.82
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD11	12	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD12	12	1.82
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD13	12	1.82
(1,404)	1:A:64:ALA:HA	1:A:67:LYS:H	7	1.82
(1,404)	1:A:64:ALA:HA	1:B:67:LYS:H	7	1.82
(1,404)	1:B:64:ALA:HA	1:A:67:LYS:H	7	1.82
(1,404)	1:B:64:ALA:HA	1:B:67:LYS:H	7	1.82
(1,370)	1:A:66:LYS:HA	1:A:69:SER:H	16	1.82
(1,370)	1:A:66:LYS:HA	1:B:69:SER:H	16	1.82
(1,370)	1:B:66:LYS:HA	1:A:69:SER:H	16	1.82
(1,370)	1:B:66:LYS:HA	1:B:69:SER:H	16	1.82
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD11	19	1.81
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD12	19	1.81
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD13	19	1.81
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD11	19	1.81
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD12	19	1.81
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD13	19	1.81
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD11	19	1.81
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD12	19	1.81
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD13	19	1.81
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD11	19	1.81
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD12	19	1.81
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD13	19	1.81
(1,647)	1:A:90:ASN:HB2	1:A:65:LEU:HD11	2	1.81
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD11	2	1.81
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD12	2	1.81
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD13	2	1.81
(1,647)	1:A:90:ASN:HB3	1:A:65:LEU:HD11	2	1.81
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD11	2	1.81
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD12	2	1.81
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD13	2	1.81
(1,647)	1:B:90:ASN:HB2	1:A:65:LEU:HD11	2	1.81
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD11	2	1.81
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD12	2	1.81
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD13	2	1.81
(1,647)	1:B:90:ASN:HB3	1:A:65:LEU:HD11	2	1.81
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD11	2	1.81
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD12	2	1.81
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD13	2	1.81
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB2	2	1.8
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB3	2	1.8
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB2	2	1.8
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB3	2	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB2	2	1.8
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB3	2	1.8
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB2	2	1.8
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB3	2	1.8
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB2	2	1.8
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB3	2	1.8
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB2	2	1.8
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB3	2	1.8
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB2	2	1.8
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB3	2	1.8
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB2	2	1.8
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB3	2	1.8
(1,817)	1:A:60:LEU:HD11	1:A:88:LEU:HB2	1	1.8
(1,817)	1:A:60:LEU:HD11	1:B:88:LEU:HB2	1	1.8
(1,817)	1:B:60:LEU:HD11	1:A:88:LEU:HB2	1	1.8
(1,817)	1:B:60:LEU:HD11	1:B:88:LEU:HB2	1	1.8
(1,817)	1:B:60:LEU:HD12	1:A:88:LEU:HB2	1	1.8
(1,817)	1:B:60:LEU:HD12	1:B:88:LEU:HB2	1	1.8
(1,817)	1:B:60:LEU:HD13	1:A:88:LEU:HB2	1	1.8
(1,817)	1:B:60:LEU:HD13	1:B:88:LEU:HB2	1	1.8
(1,817)	1:B:60:LEU:HD21	1:A:88:LEU:HB2	1	1.8
(1,817)	1:B:60:LEU:HD21	1:B:88:LEU:HB2	1	1.8
(1,817)	1:B:60:LEU:HD22	1:A:88:LEU:HB2	1	1.8
(1,817)	1:B:60:LEU:HD22	1:B:88:LEU:HB2	1	1.8
(1,817)	1:B:60:LEU:HD23	1:A:88:LEU:HB2	1	1.8
(1,817)	1:B:60:LEU:HD23	1:B:88:LEU:HB2	1	1.8
(1,774)	1:A:86:LYS:HD3	1:A:88:LEU:H	1	1.8
(1,774)	1:A:86:LYS:HD3	1:B:88:LEU:H	1	1.8
(1,774)	1:B:86:LYS:HD3	1:A:88:LEU:H	1	1.8
(1,774)	1:B:86:LYS:HD3	1:B:88:LEU:H	1	1.8
(1,761)	1:A:86:LYS:HD3	1:A:84:THR:H	10	1.8
(1,761)	1:A:86:LYS:HD3	1:B:84:THR:H	10	1.8
(1,761)	1:B:86:LYS:HD3	1:A:84:THR:H	10	1.8
(1,761)	1:B:86:LYS:HD3	1:B:84:THR:H	10	1.8
(1,746)	1:A:87:HIS:HD1	1:A:92:GLN:H	3	1.8
(1,746)	1:A:87:HIS:HD1	1:B:92:GLN:H	3	1.8
(1,746)	1:B:87:HIS:HD1	1:A:92:GLN:H	3	1.8
(1,746)	1:B:87:HIS:HD1	1:B:92:GLN:H	3	1.8
(1,65)	1:A:56:GLN:HG2	1:A:82:GLU:H	5	1.8
(1,65)	1:A:56:GLN:HG2	1:B:82:GLU:H	5	1.8
(1,65)	1:B:56:GLN:HG2	1:A:82:GLU:H	5	1.8
(1,65)	1:B:56:GLN:HG2	1:B:82:GLU:H	5	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,431)	1:A:71:ARG:HG2	1:A:75:LEU:HA	20	1.8
(1,431)	1:A:71:ARG:HG2	1:B:75:LEU:HA	20	1.8
(1,431)	1:B:71:ARG:HG2	1:A:75:LEU:HA	20	1.8
(1,431)	1:B:71:ARG:HG2	1:B:75:LEU:HA	20	1.8
(1,420)	1:A:87:HIS:HD2	1:A:91:LEU:HA	14	1.8
(1,420)	1:A:87:HIS:HD2	1:B:91:LEU:HA	14	1.8
(1,420)	1:B:87:HIS:HD2	1:A:91:LEU:HA	14	1.8
(1,420)	1:B:87:HIS:HD2	1:B:91:LEU:HA	14	1.8
(1,394)	1:A:67:LYS:H	1:A:69:SER:H	1	1.8
(1,394)	1:A:67:LYS:H	1:B:69:SER:H	1	1.8
(1,394)	1:B:67:LYS:H	1:A:69:SER:H	1	1.8
(1,394)	1:B:67:LYS:H	1:B:69:SER:H	1	1.8
(1,394)	1:A:67:LYS:H	1:A:69:SER:H	11	1.8
(1,394)	1:A:67:LYS:H	1:B:69:SER:H	11	1.8
(1,394)	1:B:67:LYS:H	1:A:69:SER:H	11	1.8
(1,394)	1:B:67:LYS:H	1:B:69:SER:H	11	1.8
(1,370)	1:A:66:LYS:HA	1:A:69:SER:H	3	1.8
(1,370)	1:A:66:LYS:HA	1:B:69:SER:H	3	1.8
(1,370)	1:B:66:LYS:HA	1:A:69:SER:H	3	1.8
(1,370)	1:B:66:LYS:HA	1:B:69:SER:H	3	1.8
(1,370)	1:A:66:LYS:HA	1:A:69:SER:H	18	1.8
(1,370)	1:A:66:LYS:HA	1:B:69:SER:H	18	1.8
(1,370)	1:B:66:LYS:HA	1:A:69:SER:H	18	1.8
(1,370)	1:B:66:LYS:HA	1:B:69:SER:H	18	1.8
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB2	11	1.79
(1,834)	1:A:87:HIS:HD1	1:A:92:GLN:HB3	11	1.79
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB2	11	1.79
(1,834)	1:A:87:HIS:HD1	1:B:92:GLN:HB3	11	1.79
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB2	11	1.79
(1,834)	1:A:87:HIS:HD2	1:A:92:GLN:HB3	11	1.79
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB2	11	1.79
(1,834)	1:A:87:HIS:HD2	1:B:92:GLN:HB3	11	1.79
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB2	11	1.79
(1,834)	1:B:87:HIS:HD1	1:A:92:GLN:HB3	11	1.79
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB2	11	1.79
(1,834)	1:B:87:HIS:HD1	1:B:92:GLN:HB3	11	1.79
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB2	11	1.79
(1,834)	1:B:87:HIS:HD2	1:A:92:GLN:HB3	11	1.79
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB2	11	1.79
(1,834)	1:B:87:HIS:HD2	1:B:92:GLN:HB3	11	1.79
(1,816)	1:A:60:LEU:HD11	1:A:86:LYS:H	10	1.79
(1,816)	1:A:60:LEU:HD11	1:B:86:LYS:H	10	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	1:B:60:LEU:HD11	1:A:86:LYS:H	10	1.79
(1,816)	1:B:60:LEU:HD11	1:B:86:LYS:H	10	1.79
(1,816)	1:B:60:LEU:HD12	1:A:86:LYS:H	10	1.79
(1,816)	1:B:60:LEU:HD12	1:B:86:LYS:H	10	1.79
(1,816)	1:B:60:LEU:HD13	1:A:86:LYS:H	10	1.79
(1,816)	1:B:60:LEU:HD13	1:B:86:LYS:H	10	1.79
(1,816)	1:B:60:LEU:HD21	1:A:86:LYS:H	10	1.79
(1,816)	1:B:60:LEU:HD21	1:B:86:LYS:H	10	1.79
(1,816)	1:B:60:LEU:HD22	1:A:86:LYS:H	10	1.79
(1,816)	1:B:60:LEU:HD22	1:B:86:LYS:H	10	1.79
(1,816)	1:B:60:LEU:HD23	1:A:86:LYS:H	10	1.79
(1,816)	1:B:60:LEU:HD23	1:B:86:LYS:H	10	1.79
(1,783)	1:A:64:ALA:HB1	1:A:67:LYS:H	2	1.79
(1,783)	1:A:64:ALA:HB1	1:B:67:LYS:H	2	1.79
(1,783)	1:A:64:ALA:HB2	1:A:67:LYS:H	2	1.79
(1,783)	1:A:64:ALA:HB2	1:B:67:LYS:H	2	1.79
(1,783)	1:A:64:ALA:HB3	1:A:67:LYS:H	2	1.79
(1,783)	1:A:64:ALA:HB3	1:B:67:LYS:H	2	1.79
(1,783)	1:B:64:ALA:HB1	1:A:67:LYS:H	2	1.79
(1,783)	1:B:64:ALA:HB1	1:B:67:LYS:H	2	1.79
(1,783)	1:B:64:ALA:HB2	1:A:67:LYS:H	2	1.79
(1,783)	1:B:64:ALA:HB2	1:B:67:LYS:H	2	1.79
(1,783)	1:B:64:ALA:HB3	1:A:67:LYS:H	2	1.79
(1,783)	1:B:64:ALA:HB3	1:B:67:LYS:H	2	1.79
(1,267)	1:A:86:LYS:H	1:A:61:ILE:HG13	6	1.79
(1,267)	1:A:86:LYS:H	1:B:61:ILE:HG13	6	1.79
(1,267)	1:B:86:LYS:H	1:A:61:ILE:HG13	6	1.79
(1,267)	1:B:86:LYS:H	1:B:61:ILE:HG13	6	1.79
(1,833)	1:A:87:HIS:HD1	1:A:92:GLN:H	5	1.78
(1,833)	1:A:87:HIS:HD1	1:B:92:GLN:H	5	1.78
(1,833)	1:A:87:HIS:HD2	1:A:92:GLN:H	5	1.78
(1,833)	1:A:87:HIS:HD2	1:B:92:GLN:H	5	1.78
(1,833)	1:B:87:HIS:HD1	1:A:92:GLN:H	5	1.78
(1,833)	1:B:87:HIS:HD1	1:B:92:GLN:H	5	1.78
(1,833)	1:B:87:HIS:HD2	1:A:92:GLN:H	5	1.78
(1,833)	1:B:87:HIS:HD2	1:B:92:GLN:H	5	1.78
(1,832)	1:A:87:HIS:HD1	1:A:91:LEU:HA	12	1.78
(1,832)	1:A:87:HIS:HD1	1:B:91:LEU:HA	12	1.78
(1,832)	1:A:87:HIS:HD2	1:A:91:LEU:HA	12	1.78
(1,832)	1:A:87:HIS:HD2	1:B:91:LEU:HA	12	1.78
(1,832)	1:B:87:HIS:HD1	1:A:91:LEU:HA	12	1.78
(1,832)	1:B:87:HIS:HD1	1:B:91:LEU:HA	12	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:B:87:HIS:HD2	1:A:91:LEU:HA	12	1.78
(1,832)	1:B:87:HIS:HD2	1:B:91:LEU:HA	12	1.78
(1,783)	1:A:64:ALA:HB1	1:A:67:LYS:H	5	1.78
(1,783)	1:A:64:ALA:HB1	1:B:67:LYS:H	5	1.78
(1,783)	1:A:64:ALA:HB2	1:A:67:LYS:H	5	1.78
(1,783)	1:A:64:ALA:HB2	1:B:67:LYS:H	5	1.78
(1,783)	1:A:64:ALA:HB3	1:A:67:LYS:H	5	1.78
(1,783)	1:A:64:ALA:HB3	1:B:67:LYS:H	5	1.78
(1,783)	1:B:64:ALA:HB1	1:A:67:LYS:H	5	1.78
(1,783)	1:B:64:ALA:HB1	1:B:67:LYS:H	5	1.78
(1,783)	1:B:64:ALA:HB2	1:A:67:LYS:H	5	1.78
(1,783)	1:B:64:ALA:HB2	1:B:67:LYS:H	5	1.78
(1,783)	1:B:64:ALA:HB3	1:A:67:LYS:H	5	1.78
(1,783)	1:B:64:ALA:HB3	1:B:67:LYS:H	5	1.78
(1,774)	1:A:86:LYS:HD3	1:A:88:LEU:H	5	1.78
(1,774)	1:A:86:LYS:HD3	1:B:88:LEU:H	5	1.78
(1,774)	1:B:86:LYS:HD3	1:A:88:LEU:H	5	1.78
(1,774)	1:B:86:LYS:HD3	1:B:88:LEU:H	5	1.78
(1,769)	1:A:50:ILE:HG21	1:A:79:ASP:H	5	1.78
(1,769)	1:A:50:ILE:HG21	1:B:79:ASP:H	5	1.78
(1,769)	1:B:50:ILE:HG21	1:A:79:ASP:H	5	1.78
(1,769)	1:B:50:ILE:HG21	1:B:79:ASP:H	5	1.78
(1,769)	1:B:50:ILE:HG22	1:A:79:ASP:H	5	1.78
(1,769)	1:B:50:ILE:HG22	1:B:79:ASP:H	5	1.78
(1,769)	1:B:50:ILE:HG23	1:A:79:ASP:H	5	1.78
(1,769)	1:B:50:ILE:HG23	1:B:79:ASP:H	5	1.78
(1,744)	1:A:66:LYS:HD3	1:A:67:LYS:H	17	1.78
(1,744)	1:A:66:LYS:HD3	1:B:67:LYS:H	17	1.78
(1,744)	1:B:66:LYS:HD3	1:A:67:LYS:H	17	1.78
(1,744)	1:B:66:LYS:HD3	1:B:67:LYS:H	17	1.78
(1,731)	1:A:86:LYS:HD3	1:A:87:HIS:HA	15	1.78
(1,731)	1:A:86:LYS:HD3	1:B:87:HIS:HA	15	1.78
(1,731)	1:B:86:LYS:HD3	1:A:87:HIS:HA	15	1.78
(1,731)	1:B:86:LYS:HD3	1:B:87:HIS:HA	15	1.78
(1,431)	1:A:71:ARG:HG2	1:A:75:LEU:HA	11	1.78
(1,431)	1:A:71:ARG:HG2	1:B:75:LEU:HA	11	1.78
(1,431)	1:B:71:ARG:HG2	1:A:75:LEU:HA	11	1.78
(1,431)	1:B:71:ARG:HG2	1:B:75:LEU:HA	11	1.78
(1,404)	1:A:64:ALA:HA	1:A:67:LYS:H	14	1.78
(1,404)	1:A:64:ALA:HA	1:B:67:LYS:H	14	1.78
(1,404)	1:B:64:ALA:HA	1:A:67:LYS:H	14	1.78
(1,404)	1:B:64:ALA:HA	1:B:67:LYS:H	14	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,394)	1:A:67:LYS:H	1:A:69:SER:H	6	1.78
(1,394)	1:A:67:LYS:H	1:B:69:SER:H	6	1.78
(1,394)	1:B:67:LYS:H	1:A:69:SER:H	6	1.78
(1,394)	1:B:67:LYS:H	1:B:69:SER:H	6	1.78
(1,370)	1:A:66:LYS:HA	1:A:69:SER:H	19	1.78
(1,370)	1:A:66:LYS:HA	1:B:69:SER:H	19	1.78
(1,370)	1:B:66:LYS:HA	1:A:69:SER:H	19	1.78
(1,370)	1:B:66:LYS:HA	1:B:69:SER:H	19	1.78
(1,769)	1:A:50:ILE:HG21	1:A:79:ASP:H	18	1.77
(1,769)	1:A:50:ILE:HG21	1:B:79:ASP:H	18	1.77
(1,769)	1:B:50:ILE:HG21	1:A:79:ASP:H	18	1.77
(1,769)	1:B:50:ILE:HG21	1:B:79:ASP:H	18	1.77
(1,769)	1:B:50:ILE:HG22	1:A:79:ASP:H	18	1.77
(1,769)	1:B:50:ILE:HG22	1:B:79:ASP:H	18	1.77
(1,769)	1:B:50:ILE:HG23	1:A:79:ASP:H	18	1.77
(1,769)	1:B:50:ILE:HG23	1:B:79:ASP:H	18	1.77
(1,746)	1:A:87:HIS:HD1	1:A:92:GLN:H	11	1.77
(1,746)	1:A:87:HIS:HD1	1:B:92:GLN:H	11	1.77
(1,746)	1:B:87:HIS:HD1	1:A:92:GLN:H	11	1.77
(1,746)	1:B:87:HIS:HD1	1:B:92:GLN:H	11	1.77
(1,647)	1:A:90:ASN:HB2	1:A:65:LEU:HD11	15	1.77
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD11	15	1.77
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD12	15	1.77
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD13	15	1.77
(1,647)	1:A:90:ASN:HB3	1:A:65:LEU:HD11	15	1.77
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD11	15	1.77
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD12	15	1.77
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD13	15	1.77
(1,647)	1:B:90:ASN:HB2	1:A:65:LEU:HD11	15	1.77
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD11	15	1.77
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD12	15	1.77
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD13	15	1.77
(1,647)	1:B:90:ASN:HB3	1:A:65:LEU:HD11	15	1.77
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD11	15	1.77
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD12	15	1.77
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD13	15	1.77
(1,627)	1:A:66:LYS:HG2	1:A:67:LYS:HG2	10	1.77
(1,627)	1:A:66:LYS:HG2	1:B:67:LYS:HG2	10	1.77
(1,627)	1:B:66:LYS:HG2	1:A:67:LYS:HG2	10	1.77
(1,627)	1:B:66:LYS:HG2	1:B:67:LYS:HG2	10	1.77
(1,404)	1:A:64:ALA:HA	1:A:67:LYS:H	16	1.77
(1,404)	1:A:64:ALA:HA	1:B:67:LYS:H	16	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,404)	1:B:64:ALA:HA	1:A:67:LYS:H	16	1.77
(1,404)	1:B:64:ALA:HA	1:B:67:LYS:H	16	1.77
(1,370)	1:A:66:LYS:HA	1:A:69:SER:H	13	1.77
(1,370)	1:A:66:LYS:HA	1:B:69:SER:H	13	1.77
(1,370)	1:B:66:LYS:HA	1:A:69:SER:H	13	1.77
(1,370)	1:B:66:LYS:HA	1:B:69:SER:H	13	1.77
(1,358)	1:A:67:LYS:HA	1:A:69:SER:H	3	1.77
(1,358)	1:A:67:LYS:HA	1:B:69:SER:H	3	1.77
(1,358)	1:B:67:LYS:HA	1:A:69:SER:H	3	1.77
(1,358)	1:B:67:LYS:HA	1:B:69:SER:H	3	1.77
(1,358)	1:A:67:LYS:HA	1:A:69:SER:H	11	1.77
(1,358)	1:A:67:LYS:HA	1:B:69:SER:H	11	1.77
(1,358)	1:B:67:LYS:HA	1:A:69:SER:H	11	1.77
(1,358)	1:B:67:LYS:HA	1:B:69:SER:H	11	1.77
(1,259)	1:A:56:GLN:HG3	1:A:82:GLU:H	4	1.77
(1,259)	1:A:56:GLN:HG3	1:B:82:GLU:H	4	1.77
(1,259)	1:B:56:GLN:HG3	1:A:82:GLU:H	4	1.77
(1,259)	1:B:56:GLN:HG3	1:B:82:GLU:H	4	1.77
(1,783)	1:A:64:ALA:HB1	1:A:67:LYS:H	11	1.76
(1,783)	1:A:64:ALA:HB1	1:B:67:LYS:H	11	1.76
(1,783)	1:A:64:ALA:HB2	1:A:67:LYS:H	11	1.76
(1,783)	1:A:64:ALA:HB2	1:B:67:LYS:H	11	1.76
(1,783)	1:A:64:ALA:HB3	1:A:67:LYS:H	11	1.76
(1,783)	1:A:64:ALA:HB3	1:B:67:LYS:H	11	1.76
(1,783)	1:B:64:ALA:HB1	1:A:67:LYS:H	11	1.76
(1,783)	1:B:64:ALA:HB1	1:B:67:LYS:H	11	1.76
(1,783)	1:B:64:ALA:HB2	1:A:67:LYS:H	11	1.76
(1,783)	1:B:64:ALA:HB2	1:B:67:LYS:H	11	1.76
(1,783)	1:B:64:ALA:HB3	1:A:67:LYS:H	11	1.76
(1,783)	1:B:64:ALA:HB3	1:B:67:LYS:H	11	1.76
(1,747)	1:A:87:HIS:HD2	1:A:92:GLN:H	13	1.76
(1,747)	1:A:87:HIS:HD2	1:B:92:GLN:H	13	1.76
(1,747)	1:B:87:HIS:HD2	1:A:92:GLN:H	13	1.76
(1,747)	1:B:87:HIS:HD2	1:B:92:GLN:H	13	1.76
(1,746)	1:A:87:HIS:HD1	1:A:92:GLN:H	20	1.76
(1,746)	1:A:87:HIS:HD1	1:B:92:GLN:H	20	1.76
(1,746)	1:B:87:HIS:HD1	1:A:92:GLN:H	20	1.76
(1,746)	1:B:87:HIS:HD1	1:B:92:GLN:H	20	1.76
(1,744)	1:A:66:LYS:HD3	1:A:67:LYS:H	15	1.76
(1,744)	1:A:66:LYS:HD3	1:B:67:LYS:H	15	1.76
(1,744)	1:B:66:LYS:HD3	1:A:67:LYS:H	15	1.76
(1,744)	1:B:66:LYS:HD3	1:B:67:LYS:H	15	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,394)	1:A:67:LYS:H	1:A:69:SER:H	2	1.76
(1,394)	1:A:67:LYS:H	1:B:69:SER:H	2	1.76
(1,394)	1:B:67:LYS:H	1:A:69:SER:H	2	1.76
(1,394)	1:B:67:LYS:H	1:B:69:SER:H	2	1.76
(1,394)	1:A:67:LYS:H	1:A:69:SER:H	16	1.76
(1,394)	1:A:67:LYS:H	1:B:69:SER:H	16	1.76
(1,394)	1:B:67:LYS:H	1:A:69:SER:H	16	1.76
(1,394)	1:B:67:LYS:H	1:B:69:SER:H	16	1.76
(1,358)	1:A:67:LYS:HA	1:A:69:SER:H	8	1.76
(1,358)	1:A:67:LYS:HA	1:B:69:SER:H	8	1.76
(1,358)	1:B:67:LYS:HA	1:A:69:SER:H	8	1.76
(1,358)	1:B:67:LYS:HA	1:B:69:SER:H	8	1.76
(1,358)	1:A:67:LYS:HA	1:A:69:SER:H	14	1.76
(1,358)	1:A:67:LYS:HA	1:B:69:SER:H	14	1.76
(1,358)	1:B:67:LYS:HA	1:A:69:SER:H	14	1.76
(1,358)	1:B:67:LYS:HA	1:B:69:SER:H	14	1.76
(1,358)	1:A:67:LYS:HA	1:A:69:SER:H	18	1.76
(1,358)	1:A:67:LYS:HA	1:B:69:SER:H	18	1.76
(1,358)	1:B:67:LYS:HA	1:A:69:SER:H	18	1.76
(1,358)	1:B:67:LYS:HA	1:B:69:SER:H	18	1.76
(1,358)	1:A:67:LYS:HA	1:A:69:SER:H	19	1.76
(1,358)	1:A:67:LYS:HA	1:B:69:SER:H	19	1.76
(1,358)	1:B:67:LYS:HA	1:A:69:SER:H	19	1.76
(1,358)	1:B:67:LYS:HA	1:B:69:SER:H	19	1.76
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB2	11	1.75
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB3	11	1.75
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB2	11	1.75
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB3	11	1.75
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB2	11	1.75
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB3	11	1.75
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB2	11	1.75
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB3	11	1.75
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB2	20	1.75
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB3	20	1.75
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB2	20	1.75
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB3	20	1.75
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB2	20	1.75
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB3	20	1.75
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB2	20	1.75
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB3	20	1.75
(1,769)	1:A:50:ILE:HG21	1:A:79:ASP:H	20	1.75
(1,769)	1:A:50:ILE:HG21	1:B:79:ASP:H	20	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:B:50:ILE:HG21	1:A:79:ASP:H	20	1.75
(1,769)	1:B:50:ILE:HG21	1:B:79:ASP:H	20	1.75
(1,769)	1:B:50:ILE:HG22	1:A:79:ASP:H	20	1.75
(1,769)	1:B:50:ILE:HG22	1:B:79:ASP:H	20	1.75
(1,769)	1:B:50:ILE:HG23	1:A:79:ASP:H	20	1.75
(1,769)	1:B:50:ILE:HG23	1:B:79:ASP:H	20	1.75
(1,65)	1:A:56:GLN:HG2	1:A:82:GLU:H	10	1.75
(1,65)	1:A:56:GLN:HG2	1:B:82:GLU:H	10	1.75
(1,65)	1:B:56:GLN:HG2	1:A:82:GLU:H	10	1.75
(1,65)	1:B:56:GLN:HG2	1:B:82:GLU:H	10	1.75
(1,647)	1:A:90:ASN:HB2	1:A:65:LEU:HD11	18	1.75
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD11	18	1.75
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD12	18	1.75
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD13	18	1.75
(1,647)	1:A:90:ASN:HB3	1:A:65:LEU:HD11	18	1.75
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD11	18	1.75
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD12	18	1.75
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD13	18	1.75
(1,647)	1:B:90:ASN:HB2	1:A:65:LEU:HD11	18	1.75
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD11	18	1.75
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD12	18	1.75
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD13	18	1.75
(1,647)	1:B:90:ASN:HB3	1:A:65:LEU:HD11	18	1.75
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD11	18	1.75
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD12	18	1.75
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD13	18	1.75
(1,408)	1:A:64:ALA:HA	1:A:67:LYS:HG2	8	1.75
(1,408)	1:A:64:ALA:HA	1:B:67:LYS:HG2	8	1.75
(1,408)	1:B:64:ALA:HA	1:A:67:LYS:HG2	8	1.75
(1,408)	1:B:64:ALA:HA	1:B:67:LYS:HG2	8	1.75
(1,394)	1:A:67:LYS:H	1:A:69:SER:H	3	1.75
(1,394)	1:A:67:LYS:H	1:B:69:SER:H	3	1.75
(1,394)	1:B:67:LYS:H	1:A:69:SER:H	3	1.75
(1,394)	1:B:67:LYS:H	1:B:69:SER:H	3	1.75
(1,394)	1:A:67:LYS:H	1:A:69:SER:H	10	1.75
(1,394)	1:A:67:LYS:H	1:B:69:SER:H	10	1.75
(1,394)	1:B:67:LYS:H	1:A:69:SER:H	10	1.75
(1,394)	1:B:67:LYS:H	1:B:69:SER:H	10	1.75
(1,358)	1:A:67:LYS:HA	1:A:69:SER:H	20	1.75
(1,358)	1:A:67:LYS:HA	1:B:69:SER:H	20	1.75
(1,358)	1:B:67:LYS:HA	1:A:69:SER:H	20	1.75
(1,358)	1:B:67:LYS:HA	1:B:69:SER:H	20	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:A:86:LYS:H	1:A:61:ILE:HG13	8	1.75
(1,267)	1:A:86:LYS:H	1:B:61:ILE:HG13	8	1.75
(1,267)	1:B:86:LYS:H	1:A:61:ILE:HG13	8	1.75
(1,267)	1:B:86:LYS:H	1:B:61:ILE:HG13	8	1.75
(1,267)	1:A:86:LYS:H	1:A:61:ILE:HG13	17	1.75
(1,267)	1:A:86:LYS:H	1:B:61:ILE:HG13	17	1.75
(1,267)	1:B:86:LYS:H	1:A:61:ILE:HG13	17	1.75
(1,267)	1:B:86:LYS:H	1:B:61:ILE:HG13	17	1.75
(1,816)	1:A:60:LEU:HD11	1:A:86:LYS:H	1	1.74
(1,816)	1:A:60:LEU:HD11	1:B:86:LYS:H	1	1.74
(1,816)	1:B:60:LEU:HD11	1:A:86:LYS:H	1	1.74
(1,816)	1:B:60:LEU:HD11	1:B:86:LYS:H	1	1.74
(1,816)	1:B:60:LEU:HD12	1:A:86:LYS:H	1	1.74
(1,816)	1:B:60:LEU:HD12	1:B:86:LYS:H	1	1.74
(1,816)	1:B:60:LEU:HD13	1:A:86:LYS:H	1	1.74
(1,816)	1:B:60:LEU:HD13	1:B:86:LYS:H	1	1.74
(1,816)	1:B:60:LEU:HD21	1:A:86:LYS:H	1	1.74
(1,816)	1:B:60:LEU:HD21	1:B:86:LYS:H	1	1.74
(1,816)	1:B:60:LEU:HD22	1:A:86:LYS:H	1	1.74
(1,816)	1:B:60:LEU:HD22	1:B:86:LYS:H	1	1.74
(1,816)	1:B:60:LEU:HD23	1:A:86:LYS:H	1	1.74
(1,816)	1:B:60:LEU:HD23	1:B:86:LYS:H	1	1.74
(1,789)	1:A:66:LYS:HA	1:A:69:SER:HG	11	1.74
(1,789)	1:A:66:LYS:HA	1:B:69:SER:HG	11	1.74
(1,789)	1:B:66:LYS:HA	1:A:69:SER:HG	11	1.74
(1,789)	1:B:66:LYS:HA	1:B:69:SER:HG	11	1.74
(1,774)	1:A:86:LYS:HD3	1:A:88:LEU:H	7	1.74
(1,774)	1:A:86:LYS:HD3	1:B:88:LEU:H	7	1.74
(1,774)	1:B:86:LYS:HD3	1:A:88:LEU:H	7	1.74
(1,774)	1:B:86:LYS:HD3	1:B:88:LEU:H	7	1.74
(1,774)	1:A:86:LYS:HD3	1:A:88:LEU:H	17	1.74
(1,774)	1:A:86:LYS:HD3	1:B:88:LEU:H	17	1.74
(1,774)	1:B:86:LYS:HD3	1:A:88:LEU:H	17	1.74
(1,774)	1:B:86:LYS:HD3	1:B:88:LEU:H	17	1.74
(1,744)	1:A:66:LYS:HD3	1:A:67:LYS:H	18	1.74
(1,744)	1:A:66:LYS:HD3	1:B:67:LYS:H	18	1.74
(1,744)	1:B:66:LYS:HD3	1:A:67:LYS:H	18	1.74
(1,744)	1:B:66:LYS:HD3	1:B:67:LYS:H	18	1.74
(1,404)	1:A:64:ALA:HA	1:A:67:LYS:H	8	1.74
(1,404)	1:A:64:ALA:HA	1:B:67:LYS:H	8	1.74
(1,404)	1:B:64:ALA:HA	1:A:67:LYS:H	8	1.74
(1,404)	1:B:64:ALA:HA	1:B:67:LYS:H	8	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,394)	1:A:67:LYS:H	1:A:69:SER:H	5	1.74
(1,394)	1:A:67:LYS:H	1:B:69:SER:H	5	1.74
(1,394)	1:B:67:LYS:H	1:A:69:SER:H	5	1.74
(1,394)	1:B:67:LYS:H	1:B:69:SER:H	5	1.74
(1,370)	1:A:66:LYS:HA	1:A:69:SER:H	2	1.74
(1,370)	1:A:66:LYS:HA	1:B:69:SER:H	2	1.74
(1,370)	1:B:66:LYS:HA	1:A:69:SER:H	2	1.74
(1,370)	1:B:66:LYS:HA	1:B:69:SER:H	2	1.74
(1,259)	1:A:56:GLN:HG3	1:A:82:GLU:H	6	1.74
(1,259)	1:A:56:GLN:HG3	1:B:82:GLU:H	6	1.74
(1,259)	1:B:56:GLN:HG3	1:A:82:GLU:H	6	1.74
(1,259)	1:B:56:GLN:HG3	1:B:82:GLU:H	6	1.74
(1,783)	1:A:64:ALA:HB1	1:A:67:LYS:H	6	1.73
(1,783)	1:A:64:ALA:HB1	1:B:67:LYS:H	6	1.73
(1,783)	1:A:64:ALA:HB2	1:A:67:LYS:H	6	1.73
(1,783)	1:A:64:ALA:HB2	1:B:67:LYS:H	6	1.73
(1,783)	1:A:64:ALA:HB3	1:A:67:LYS:H	6	1.73
(1,783)	1:A:64:ALA:HB3	1:B:67:LYS:H	6	1.73
(1,783)	1:B:64:ALA:HB1	1:A:67:LYS:H	6	1.73
(1,783)	1:B:64:ALA:HB1	1:B:67:LYS:H	6	1.73
(1,783)	1:B:64:ALA:HB2	1:A:67:LYS:H	6	1.73
(1,783)	1:B:64:ALA:HB2	1:B:67:LYS:H	6	1.73
(1,783)	1:B:64:ALA:HB3	1:A:67:LYS:H	6	1.73
(1,783)	1:B:64:ALA:HB3	1:B:67:LYS:H	6	1.73
(1,585)	1:A:64:ALA:HB1	1:A:67:LYS:HG3	9	1.73
(1,585)	1:A:64:ALA:HB1	1:B:67:LYS:HG3	9	1.73
(1,585)	1:B:64:ALA:HB1	1:A:67:LYS:HG3	9	1.73
(1,585)	1:B:64:ALA:HB1	1:B:67:LYS:HG3	9	1.73
(1,358)	1:A:67:LYS:HA	1:A:69:SER:H	16	1.73
(1,358)	1:A:67:LYS:HA	1:B:69:SER:H	16	1.73
(1,358)	1:B:67:LYS:HA	1:A:69:SER:H	16	1.73
(1,358)	1:B:67:LYS:HA	1:B:69:SER:H	16	1.73
(1,259)	1:A:56:GLN:HG3	1:A:82:GLU:H	20	1.73
(1,259)	1:A:56:GLN:HG3	1:B:82:GLU:H	20	1.73
(1,259)	1:B:56:GLN:HG3	1:A:82:GLU:H	20	1.73
(1,259)	1:B:56:GLN:HG3	1:B:82:GLU:H	20	1.73
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB2	4	1.72
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB3	4	1.72
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB2	4	1.72
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB3	4	1.72
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB2	4	1.72
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB3	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB2	4	1.72
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB3	4	1.72
(1,837)	1:A:87:HIS:HD1	1:A:93:ARG:H	15	1.72
(1,837)	1:A:87:HIS:HD1	1:B:93:ARG:H	15	1.72
(1,837)	1:A:87:HIS:HD2	1:A:93:ARG:H	15	1.72
(1,837)	1:A:87:HIS:HD2	1:B:93:ARG:H	15	1.72
(1,837)	1:B:87:HIS:HD1	1:A:93:ARG:H	15	1.72
(1,837)	1:B:87:HIS:HD1	1:B:93:ARG:H	15	1.72
(1,837)	1:B:87:HIS:HD2	1:A:93:ARG:H	15	1.72
(1,837)	1:B:87:HIS:HD2	1:B:93:ARG:H	15	1.72
(1,783)	1:A:64:ALA:HB1	1:A:67:LYS:H	15	1.72
(1,783)	1:A:64:ALA:HB1	1:B:67:LYS:H	15	1.72
(1,783)	1:A:64:ALA:HB2	1:A:67:LYS:H	15	1.72
(1,783)	1:A:64:ALA:HB2	1:B:67:LYS:H	15	1.72
(1,783)	1:A:64:ALA:HB3	1:A:67:LYS:H	15	1.72
(1,783)	1:A:64:ALA:HB3	1:B:67:LYS:H	15	1.72
(1,783)	1:B:64:ALA:HB1	1:A:67:LYS:H	15	1.72
(1,783)	1:B:64:ALA:HB1	1:B:67:LYS:H	15	1.72
(1,783)	1:B:64:ALA:HB2	1:A:67:LYS:H	15	1.72
(1,783)	1:B:64:ALA:HB2	1:B:67:LYS:H	15	1.72
(1,783)	1:B:64:ALA:HB3	1:A:67:LYS:H	15	1.72
(1,783)	1:B:64:ALA:HB3	1:B:67:LYS:H	15	1.72
(1,769)	1:A:50:ILE:HG21	1:A:79:ASP:H	6	1.72
(1,769)	1:A:50:ILE:HG21	1:B:79:ASP:H	6	1.72
(1,769)	1:B:50:ILE:HG21	1:A:79:ASP:H	6	1.72
(1,769)	1:B:50:ILE:HG21	1:B:79:ASP:H	6	1.72
(1,769)	1:B:50:ILE:HG22	1:A:79:ASP:H	6	1.72
(1,769)	1:B:50:ILE:HG22	1:B:79:ASP:H	6	1.72
(1,769)	1:B:50:ILE:HG23	1:A:79:ASP:H	6	1.72
(1,769)	1:B:50:ILE:HG23	1:B:79:ASP:H	6	1.72
(1,769)	1:A:50:ILE:HG21	1:A:79:ASP:H	10	1.72
(1,769)	1:A:50:ILE:HG21	1:B:79:ASP:H	10	1.72
(1,769)	1:B:50:ILE:HG21	1:A:79:ASP:H	10	1.72
(1,769)	1:B:50:ILE:HG21	1:B:79:ASP:H	10	1.72
(1,769)	1:B:50:ILE:HG22	1:A:79:ASP:H	10	1.72
(1,769)	1:B:50:ILE:HG22	1:B:79:ASP:H	10	1.72
(1,769)	1:B:50:ILE:HG23	1:A:79:ASP:H	10	1.72
(1,769)	1:B:50:ILE:HG23	1:B:79:ASP:H	10	1.72
(1,744)	1:A:66:LYS:HD3	1:A:67:LYS:H	19	1.72
(1,744)	1:A:66:LYS:HD3	1:B:67:LYS:H	19	1.72
(1,744)	1:B:66:LYS:HD3	1:A:67:LYS:H	19	1.72
(1,744)	1:B:66:LYS:HD3	1:B:67:LYS:H	19	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:A:86:LYS:HD3	1:A:87:HIS:HA	3	1.72
(1,731)	1:A:86:LYS:HD3	1:B:87:HIS:HA	3	1.72
(1,731)	1:B:86:LYS:HD3	1:A:87:HIS:HA	3	1.72
(1,731)	1:B:86:LYS:HD3	1:B:87:HIS:HA	3	1.72
(1,404)	1:A:64:ALA:HA	1:A:67:LYS:H	1	1.72
(1,404)	1:A:64:ALA:HA	1:B:67:LYS:H	1	1.72
(1,404)	1:B:64:ALA:HA	1:A:67:LYS:H	1	1.72
(1,404)	1:B:64:ALA:HA	1:B:67:LYS:H	1	1.72
(1,358)	1:A:67:LYS:HA	1:A:69:SER:H	4	1.72
(1,358)	1:A:67:LYS:HA	1:B:69:SER:H	4	1.72
(1,358)	1:B:67:LYS:HA	1:A:69:SER:H	4	1.72
(1,358)	1:B:67:LYS:HA	1:B:69:SER:H	4	1.72
(1,267)	1:A:86:LYS:H	1:A:61:ILE:HG13	4	1.72
(1,267)	1:A:86:LYS:H	1:B:61:ILE:HG13	4	1.72
(1,267)	1:B:86:LYS:H	1:A:61:ILE:HG13	4	1.72
(1,267)	1:B:86:LYS:H	1:B:61:ILE:HG13	4	1.72
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB2	5	1.71
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB3	5	1.71
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB2	5	1.71
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB3	5	1.71
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB2	5	1.71
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB3	5	1.71
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB2	5	1.71
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB3	5	1.71
(1,816)	1:A:60:LEU:HD11	1:A:86:LYS:H	12	1.71
(1,816)	1:A:60:LEU:HD11	1:B:86:LYS:H	12	1.71
(1,816)	1:B:60:LEU:HD11	1:A:86:LYS:H	12	1.71
(1,816)	1:B:60:LEU:HD11	1:B:86:LYS:H	12	1.71
(1,816)	1:B:60:LEU:HD12	1:A:86:LYS:H	12	1.71
(1,816)	1:B:60:LEU:HD12	1:B:86:LYS:H	12	1.71
(1,816)	1:B:60:LEU:HD13	1:A:86:LYS:H	12	1.71
(1,816)	1:B:60:LEU:HD13	1:B:86:LYS:H	12	1.71
(1,816)	1:B:60:LEU:HD21	1:A:86:LYS:H	12	1.71
(1,816)	1:B:60:LEU:HD21	1:B:86:LYS:H	12	1.71
(1,816)	1:B:60:LEU:HD22	1:A:86:LYS:H	12	1.71
(1,816)	1:B:60:LEU:HD22	1:B:86:LYS:H	12	1.71
(1,816)	1:B:60:LEU:HD23	1:A:86:LYS:H	12	1.71
(1,816)	1:B:60:LEU:HD23	1:B:86:LYS:H	12	1.71
(1,431)	1:A:71:ARG:HG2	1:A:75:LEU:HA	16	1.71
(1,431)	1:A:71:ARG:HG2	1:B:75:LEU:HA	16	1.71
(1,431)	1:B:71:ARG:HG2	1:A:75:LEU:HA	16	1.71
(1,431)	1:B:71:ARG:HG2	1:B:75:LEU:HA	16	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,394)	1:A:67:LYS:H	1:A:69:SER:H	13	1.71
(1,394)	1:A:67:LYS:H	1:B:69:SER:H	13	1.71
(1,394)	1:B:67:LYS:H	1:A:69:SER:H	13	1.71
(1,394)	1:B:67:LYS:H	1:B:69:SER:H	13	1.71
(1,783)	1:A:64:ALA:HB1	1:A:67:LYS:H	20	1.7
(1,783)	1:A:64:ALA:HB1	1:B:67:LYS:H	20	1.7
(1,783)	1:A:64:ALA:HB2	1:A:67:LYS:H	20	1.7
(1,783)	1:A:64:ALA:HB2	1:B:67:LYS:H	20	1.7
(1,783)	1:A:64:ALA:HB3	1:A:67:LYS:H	20	1.7
(1,783)	1:A:64:ALA:HB3	1:B:67:LYS:H	20	1.7
(1,783)	1:B:64:ALA:HB1	1:A:67:LYS:H	20	1.7
(1,783)	1:B:64:ALA:HB1	1:B:67:LYS:H	20	1.7
(1,783)	1:B:64:ALA:HB2	1:A:67:LYS:H	20	1.7
(1,783)	1:B:64:ALA:HB2	1:B:67:LYS:H	20	1.7
(1,783)	1:B:64:ALA:HB3	1:A:67:LYS:H	20	1.7
(1,783)	1:B:64:ALA:HB3	1:B:67:LYS:H	20	1.7
(1,627)	1:A:66:LYS:HG2	1:A:67:LYS:HG2	16	1.7
(1,627)	1:A:66:LYS:HG2	1:B:67:LYS:HG2	16	1.7
(1,627)	1:B:66:LYS:HG2	1:A:67:LYS:HG2	16	1.7
(1,627)	1:B:66:LYS:HG2	1:B:67:LYS:HG2	16	1.7
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB2	7	1.69
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB3	7	1.69
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB2	7	1.69
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB3	7	1.69
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB2	7	1.69
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB3	7	1.69
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB2	7	1.69
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB3	7	1.69
(1,835)	1:A:87:HIS:HD1	1:A:67:LYS:HD2	20	1.69
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD2	20	1.69
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD3	20	1.69
(1,835)	1:A:87:HIS:HD2	1:A:67:LYS:HD2	20	1.69
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD2	20	1.69
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD3	20	1.69
(1,835)	1:B:87:HIS:HD1	1:A:67:LYS:HD2	20	1.69
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD2	20	1.69
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD3	20	1.69
(1,835)	1:B:87:HIS:HD2	1:A:67:LYS:HD2	20	1.69
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD2	20	1.69
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD3	20	1.69
(1,817)	1:A:60:LEU:HD11	1:A:88:LEU:HB2	7	1.69
(1,817)	1:A:60:LEU:HD11	1:B:88:LEU:HB2	7	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,817)	1:B:60:LEU:HD11	1:A:88:LEU:HB2	7	1.69
(1,817)	1:B:60:LEU:HD11	1:B:88:LEU:HB2	7	1.69
(1,817)	1:B:60:LEU:HD12	1:A:88:LEU:HB2	7	1.69
(1,817)	1:B:60:LEU:HD12	1:B:88:LEU:HB2	7	1.69
(1,817)	1:B:60:LEU:HD13	1:A:88:LEU:HB2	7	1.69
(1,817)	1:B:60:LEU:HD13	1:B:88:LEU:HB2	7	1.69
(1,817)	1:B:60:LEU:HD21	1:A:88:LEU:HB2	7	1.69
(1,817)	1:B:60:LEU:HD21	1:B:88:LEU:HB2	7	1.69
(1,817)	1:B:60:LEU:HD22	1:A:88:LEU:HB2	7	1.69
(1,817)	1:B:60:LEU:HD22	1:B:88:LEU:HB2	7	1.69
(1,817)	1:B:60:LEU:HD23	1:A:88:LEU:HB2	7	1.69
(1,817)	1:B:60:LEU:HD23	1:B:88:LEU:HB2	7	1.69
(1,774)	1:A:86:LYS:HD3	1:A:88:LEU:H	6	1.69
(1,774)	1:A:86:LYS:HD3	1:B:88:LEU:H	6	1.69
(1,774)	1:B:86:LYS:HD3	1:A:88:LEU:H	6	1.69
(1,774)	1:B:86:LYS:HD3	1:B:88:LEU:H	6	1.69
(1,647)	1:A:90:ASN:HB2	1:A:65:LEU:HD11	6	1.69
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD11	6	1.69
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD12	6	1.69
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD13	6	1.69
(1,647)	1:A:90:ASN:HB3	1:A:65:LEU:HD11	6	1.69
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD11	6	1.69
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD12	6	1.69
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD13	6	1.69
(1,647)	1:B:90:ASN:HB2	1:A:65:LEU:HD11	6	1.69
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD11	6	1.69
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD12	6	1.69
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD13	6	1.69
(1,647)	1:B:90:ASN:HB3	1:A:65:LEU:HD11	6	1.69
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD11	6	1.69
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD12	6	1.69
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD13	6	1.69
(1,358)	1:A:67:LYS:HA	1:A:69:SER:H	15	1.69
(1,358)	1:A:67:LYS:HA	1:B:69:SER:H	15	1.69
(1,358)	1:B:67:LYS:HA	1:A:69:SER:H	15	1.69
(1,358)	1:B:67:LYS:HA	1:B:69:SER:H	15	1.69
(1,267)	1:A:86:LYS:H	1:A:61:ILE:HG13	1	1.69
(1,267)	1:A:86:LYS:H	1:B:61:ILE:HG13	1	1.69
(1,267)	1:B:86:LYS:H	1:A:61:ILE:HG13	1	1.69
(1,267)	1:B:86:LYS:H	1:B:61:ILE:HG13	1	1.69
(1,259)	1:A:56:GLN:HG3	1:A:82:GLU:H	1	1.69
(1,259)	1:A:56:GLN:HG3	1:B:82:GLU:H	1	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,259)	1:B:56:GLN:HG3	1:A:82:GLU:H	1	1.69
(1,259)	1:B:56:GLN:HG3	1:B:82:GLU:H	1	1.69
(1,832)	1:A:87:HIS:HD1	1:A:91:LEU:HA	11	1.68
(1,832)	1:A:87:HIS:HD1	1:B:91:LEU:HA	11	1.68
(1,832)	1:A:87:HIS:HD2	1:A:91:LEU:HA	11	1.68
(1,832)	1:A:87:HIS:HD2	1:B:91:LEU:HA	11	1.68
(1,832)	1:B:87:HIS:HD1	1:A:91:LEU:HA	11	1.68
(1,832)	1:B:87:HIS:HD1	1:B:91:LEU:HA	11	1.68
(1,832)	1:B:87:HIS:HD2	1:A:91:LEU:HA	11	1.68
(1,832)	1:B:87:HIS:HD2	1:B:91:LEU:HA	11	1.68
(1,783)	1:A:64:ALA:HB1	1:A:67:LYS:H	13	1.68
(1,783)	1:A:64:ALA:HB1	1:B:67:LYS:H	13	1.68
(1,783)	1:A:64:ALA:HB2	1:A:67:LYS:H	13	1.68
(1,783)	1:A:64:ALA:HB2	1:B:67:LYS:H	13	1.68
(1,783)	1:A:64:ALA:HB3	1:A:67:LYS:H	13	1.68
(1,783)	1:A:64:ALA:HB3	1:B:67:LYS:H	13	1.68
(1,783)	1:B:64:ALA:HB1	1:A:67:LYS:H	13	1.68
(1,783)	1:B:64:ALA:HB1	1:B:67:LYS:H	13	1.68
(1,783)	1:B:64:ALA:HB2	1:A:67:LYS:H	13	1.68
(1,783)	1:B:64:ALA:HB2	1:B:67:LYS:H	13	1.68
(1,783)	1:B:64:ALA:HB3	1:A:67:LYS:H	13	1.68
(1,783)	1:B:64:ALA:HB3	1:B:67:LYS:H	13	1.68
(1,783)	1:A:64:ALA:HB1	1:A:67:LYS:H	19	1.68
(1,783)	1:A:64:ALA:HB1	1:B:67:LYS:H	19	1.68
(1,783)	1:A:64:ALA:HB2	1:A:67:LYS:H	19	1.68
(1,783)	1:A:64:ALA:HB2	1:B:67:LYS:H	19	1.68
(1,783)	1:A:64:ALA:HB3	1:A:67:LYS:H	19	1.68
(1,783)	1:A:64:ALA:HB3	1:B:67:LYS:H	19	1.68
(1,783)	1:B:64:ALA:HB1	1:A:67:LYS:H	19	1.68
(1,783)	1:B:64:ALA:HB1	1:B:67:LYS:H	19	1.68
(1,783)	1:B:64:ALA:HB2	1:A:67:LYS:H	19	1.68
(1,783)	1:B:64:ALA:HB2	1:B:67:LYS:H	19	1.68
(1,783)	1:B:64:ALA:HB3	1:A:67:LYS:H	19	1.68
(1,783)	1:B:64:ALA:HB3	1:B:67:LYS:H	19	1.68
(1,769)	1:A:50:ILE:HG21	1:A:79:ASP:H	7	1.68
(1,769)	1:A:50:ILE:HG21	1:B:79:ASP:H	7	1.68
(1,769)	1:B:50:ILE:HG21	1:A:79:ASP:H	7	1.68
(1,769)	1:B:50:ILE:HG21	1:B:79:ASP:H	7	1.68
(1,769)	1:B:50:ILE:HG22	1:A:79:ASP:H	7	1.68
(1,769)	1:B:50:ILE:HG22	1:B:79:ASP:H	7	1.68
(1,769)	1:B:50:ILE:HG23	1:A:79:ASP:H	7	1.68
(1,769)	1:B:50:ILE:HG23	1:B:79:ASP:H	7	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,431)	1:A:71:ARG:HG2	1:A:75:LEU:HA	4	1.68
(1,431)	1:A:71:ARG:HG2	1:B:75:LEU:HA	4	1.68
(1,431)	1:B:71:ARG:HG2	1:A:75:LEU:HA	4	1.68
(1,431)	1:B:71:ARG:HG2	1:B:75:LEU:HA	4	1.68
(1,816)	1:A:60:LEU:HD11	1:A:86:LYS:H	15	1.67
(1,816)	1:A:60:LEU:HD11	1:B:86:LYS:H	15	1.67
(1,816)	1:B:60:LEU:HD11	1:A:86:LYS:H	15	1.67
(1,816)	1:B:60:LEU:HD11	1:B:86:LYS:H	15	1.67
(1,816)	1:B:60:LEU:HD12	1:A:86:LYS:H	15	1.67
(1,816)	1:B:60:LEU:HD12	1:B:86:LYS:H	15	1.67
(1,816)	1:B:60:LEU:HD13	1:A:86:LYS:H	15	1.67
(1,816)	1:B:60:LEU:HD13	1:B:86:LYS:H	15	1.67
(1,816)	1:B:60:LEU:HD21	1:A:86:LYS:H	15	1.67
(1,816)	1:B:60:LEU:HD21	1:B:86:LYS:H	15	1.67
(1,816)	1:B:60:LEU:HD22	1:A:86:LYS:H	15	1.67
(1,816)	1:B:60:LEU:HD22	1:B:86:LYS:H	15	1.67
(1,816)	1:B:60:LEU:HD23	1:A:86:LYS:H	15	1.67
(1,816)	1:B:60:LEU:HD23	1:B:86:LYS:H	15	1.67
(1,816)	1:A:60:LEU:HD11	1:A:86:LYS:H	16	1.67
(1,816)	1:A:60:LEU:HD11	1:B:86:LYS:H	16	1.67
(1,816)	1:B:60:LEU:HD11	1:A:86:LYS:H	16	1.67
(1,816)	1:B:60:LEU:HD11	1:B:86:LYS:H	16	1.67
(1,816)	1:B:60:LEU:HD12	1:A:86:LYS:H	16	1.67
(1,816)	1:B:60:LEU:HD12	1:B:86:LYS:H	16	1.67
(1,816)	1:B:60:LEU:HD13	1:A:86:LYS:H	16	1.67
(1,816)	1:B:60:LEU:HD13	1:B:86:LYS:H	16	1.67
(1,816)	1:B:60:LEU:HD21	1:A:86:LYS:H	16	1.67
(1,816)	1:B:60:LEU:HD21	1:B:86:LYS:H	16	1.67
(1,816)	1:B:60:LEU:HD22	1:A:86:LYS:H	16	1.67
(1,816)	1:B:60:LEU:HD22	1:B:86:LYS:H	16	1.67
(1,816)	1:B:60:LEU:HD23	1:A:86:LYS:H	16	1.67
(1,816)	1:B:60:LEU:HD23	1:B:86:LYS:H	16	1.67
(1,783)	1:A:64:ALA:HB1	1:A:67:LYS:H	3	1.67
(1,783)	1:A:64:ALA:HB1	1:B:67:LYS:H	3	1.67
(1,783)	1:A:64:ALA:HB2	1:A:67:LYS:H	3	1.67
(1,783)	1:A:64:ALA:HB2	1:B:67:LYS:H	3	1.67
(1,783)	1:A:64:ALA:HB3	1:A:67:LYS:H	3	1.67
(1,783)	1:A:64:ALA:HB3	1:B:67:LYS:H	3	1.67
(1,783)	1:B:64:ALA:HB1	1:A:67:LYS:H	3	1.67
(1,783)	1:B:64:ALA:HB1	1:B:67:LYS:H	3	1.67
(1,783)	1:B:64:ALA:HB2	1:A:67:LYS:H	3	1.67
(1,783)	1:B:64:ALA:HB2	1:B:67:LYS:H	3	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:B:64:ALA:HB3	1:A:67:LYS:H	3	1.67
(1,783)	1:B:64:ALA:HB3	1:B:67:LYS:H	3	1.67
(1,769)	1:A:50:ILE:HG21	1:A:79:ASP:H	11	1.67
(1,769)	1:A:50:ILE:HG21	1:B:79:ASP:H	11	1.67
(1,769)	1:B:50:ILE:HG21	1:A:79:ASP:H	11	1.67
(1,769)	1:B:50:ILE:HG21	1:B:79:ASP:H	11	1.67
(1,769)	1:B:50:ILE:HG22	1:A:79:ASP:H	11	1.67
(1,769)	1:B:50:ILE:HG22	1:B:79:ASP:H	11	1.67
(1,769)	1:B:50:ILE:HG23	1:A:79:ASP:H	11	1.67
(1,769)	1:B:50:ILE:HG23	1:B:79:ASP:H	11	1.67
(1,680)	1:A:66:LYS:HG2	1:A:67:LYS:HG3	1	1.67
(1,680)	1:A:66:LYS:HG2	1:B:67:LYS:HG3	1	1.67
(1,680)	1:B:66:LYS:HG2	1:A:67:LYS:HG3	1	1.67
(1,680)	1:B:66:LYS:HG2	1:B:67:LYS:HG3	1	1.67
(1,647)	1:A:90:ASN:HB2	1:A:65:LEU:HD11	7	1.67
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD11	7	1.67
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD12	7	1.67
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD13	7	1.67
(1,647)	1:A:90:ASN:HB3	1:A:65:LEU:HD11	7	1.67
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD11	7	1.67
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD12	7	1.67
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD13	7	1.67
(1,647)	1:B:90:ASN:HB2	1:A:65:LEU:HD11	7	1.67
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD11	7	1.67
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD12	7	1.67
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD13	7	1.67
(1,647)	1:B:90:ASN:HB3	1:A:65:LEU:HD11	7	1.67
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD11	7	1.67
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD12	7	1.67
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD13	7	1.67
(1,420)	1:A:87:HIS:HD2	1:A:91:LEU:HA	10	1.67
(1,420)	1:A:87:HIS:HD2	1:B:91:LEU:HA	10	1.67
(1,420)	1:B:87:HIS:HD2	1:A:91:LEU:HA	10	1.67
(1,420)	1:B:87:HIS:HD2	1:B:91:LEU:HA	10	1.67
(1,370)	1:A:66:LYS:HA	1:A:69:SER:H	4	1.67
(1,370)	1:A:66:LYS:HA	1:B:69:SER:H	4	1.67
(1,370)	1:B:66:LYS:HA	1:A:69:SER:H	4	1.67
(1,370)	1:B:66:LYS:HA	1:B:69:SER:H	4	1.67
(1,370)	1:A:66:LYS:HA	1:A:69:SER:H	6	1.67
(1,370)	1:A:66:LYS:HA	1:B:69:SER:H	6	1.67
(1,370)	1:B:66:LYS:HA	1:A:69:SER:H	6	1.67
(1,370)	1:B:66:LYS:HA	1:B:69:SER:H	6	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:A:67:LYS:HA	1:A:69:SER:H	2	1.67
(1,358)	1:A:67:LYS:HA	1:B:69:SER:H	2	1.67
(1,358)	1:B:67:LYS:HA	1:A:69:SER:H	2	1.67
(1,358)	1:B:67:LYS:HA	1:B:69:SER:H	2	1.67
(1,358)	1:A:67:LYS:HA	1:A:69:SER:H	5	1.67
(1,358)	1:A:67:LYS:HA	1:B:69:SER:H	5	1.67
(1,358)	1:B:67:LYS:HA	1:A:69:SER:H	5	1.67
(1,358)	1:B:67:LYS:HA	1:B:69:SER:H	5	1.67
(1,358)	1:A:67:LYS:HA	1:A:69:SER:H	6	1.67
(1,358)	1:A:67:LYS:HA	1:B:69:SER:H	6	1.67
(1,358)	1:B:67:LYS:HA	1:A:69:SER:H	6	1.67
(1,358)	1:B:67:LYS:HA	1:B:69:SER:H	6	1.67
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB2	6	1.66
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB3	6	1.66
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB2	6	1.66
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB3	6	1.66
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB2	6	1.66
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB3	6	1.66
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB2	6	1.66
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB3	6	1.66
(1,833)	1:A:87:HIS:HD1	1:A:92:GLN:H	17	1.66
(1,833)	1:A:87:HIS:HD1	1:B:92:GLN:H	17	1.66
(1,833)	1:A:87:HIS:HD2	1:A:92:GLN:H	17	1.66
(1,833)	1:A:87:HIS:HD2	1:B:92:GLN:H	17	1.66
(1,833)	1:B:87:HIS:HD1	1:A:92:GLN:H	17	1.66
(1,833)	1:B:87:HIS:HD1	1:B:92:GLN:H	17	1.66
(1,833)	1:B:87:HIS:HD2	1:A:92:GLN:H	17	1.66
(1,833)	1:B:87:HIS:HD2	1:B:92:GLN:H	17	1.66
(1,832)	1:A:87:HIS:HD1	1:A:91:LEU:HA	19	1.66
(1,832)	1:A:87:HIS:HD1	1:B:91:LEU:HA	19	1.66
(1,832)	1:A:87:HIS:HD2	1:A:91:LEU:HA	19	1.66
(1,832)	1:A:87:HIS:HD2	1:B:91:LEU:HA	19	1.66
(1,832)	1:B:87:HIS:HD1	1:A:91:LEU:HA	19	1.66
(1,832)	1:B:87:HIS:HD1	1:B:91:LEU:HA	19	1.66
(1,832)	1:B:87:HIS:HD2	1:A:91:LEU:HA	19	1.66
(1,832)	1:B:87:HIS:HD2	1:B:91:LEU:HA	19	1.66
(1,816)	1:A:60:LEU:HD11	1:A:86:LYS:H	7	1.66
(1,816)	1:A:60:LEU:HD11	1:B:86:LYS:H	7	1.66
(1,816)	1:B:60:LEU:HD11	1:A:86:LYS:H	7	1.66
(1,816)	1:B:60:LEU:HD11	1:B:86:LYS:H	7	1.66
(1,816)	1:B:60:LEU:HD12	1:A:86:LYS:H	7	1.66
(1,816)	1:B:60:LEU:HD12	1:B:86:LYS:H	7	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	1:B:60:LEU:HD13	1:A:86:LYS:H	7	1.66
(1,816)	1:B:60:LEU:HD13	1:B:86:LYS:H	7	1.66
(1,816)	1:B:60:LEU:HD21	1:A:86:LYS:H	7	1.66
(1,816)	1:B:60:LEU:HD21	1:B:86:LYS:H	7	1.66
(1,816)	1:B:60:LEU:HD22	1:A:86:LYS:H	7	1.66
(1,816)	1:B:60:LEU:HD22	1:B:86:LYS:H	7	1.66
(1,816)	1:B:60:LEU:HD23	1:A:86:LYS:H	7	1.66
(1,816)	1:B:60:LEU:HD23	1:B:86:LYS:H	7	1.66
(1,816)	1:A:60:LEU:HD11	1:A:86:LYS:H	8	1.66
(1,816)	1:A:60:LEU:HD11	1:B:86:LYS:H	8	1.66
(1,816)	1:B:60:LEU:HD11	1:A:86:LYS:H	8	1.66
(1,816)	1:B:60:LEU:HD11	1:B:86:LYS:H	8	1.66
(1,816)	1:B:60:LEU:HD12	1:A:86:LYS:H	8	1.66
(1,816)	1:B:60:LEU:HD12	1:B:86:LYS:H	8	1.66
(1,816)	1:B:60:LEU:HD13	1:A:86:LYS:H	8	1.66
(1,816)	1:B:60:LEU:HD13	1:B:86:LYS:H	8	1.66
(1,816)	1:B:60:LEU:HD21	1:A:86:LYS:H	8	1.66
(1,816)	1:B:60:LEU:HD21	1:B:86:LYS:H	8	1.66
(1,816)	1:B:60:LEU:HD22	1:A:86:LYS:H	8	1.66
(1,816)	1:B:60:LEU:HD22	1:B:86:LYS:H	8	1.66
(1,816)	1:B:60:LEU:HD23	1:A:86:LYS:H	8	1.66
(1,816)	1:B:60:LEU:HD23	1:B:86:LYS:H	8	1.66
(1,774)	1:A:86:LYS:HD3	1:A:88:LEU:H	13	1.66
(1,774)	1:A:86:LYS:HD3	1:B:88:LEU:H	13	1.66
(1,774)	1:B:86:LYS:HD3	1:A:88:LEU:H	13	1.66
(1,774)	1:B:86:LYS:HD3	1:B:88:LEU:H	13	1.66
(1,774)	1:A:86:LYS:HD3	1:A:88:LEU:H	20	1.66
(1,774)	1:A:86:LYS:HD3	1:B:88:LEU:H	20	1.66
(1,774)	1:B:86:LYS:HD3	1:A:88:LEU:H	20	1.66
(1,774)	1:B:86:LYS:HD3	1:B:88:LEU:H	20	1.66
(1,769)	1:A:50:ILE:HG21	1:A:79:ASP:H	4	1.66
(1,769)	1:A:50:ILE:HG21	1:B:79:ASP:H	4	1.66
(1,769)	1:B:50:ILE:HG21	1:A:79:ASP:H	4	1.66
(1,769)	1:B:50:ILE:HG21	1:B:79:ASP:H	4	1.66
(1,769)	1:B:50:ILE:HG22	1:A:79:ASP:H	4	1.66
(1,769)	1:B:50:ILE:HG22	1:B:79:ASP:H	4	1.66
(1,769)	1:B:50:ILE:HG23	1:A:79:ASP:H	4	1.66
(1,769)	1:B:50:ILE:HG23	1:B:79:ASP:H	4	1.66
(1,744)	1:A:66:LYS:HD3	1:A:67:LYS:H	5	1.66
(1,744)	1:A:66:LYS:HD3	1:B:67:LYS:H	5	1.66
(1,744)	1:B:66:LYS:HD3	1:A:67:LYS:H	5	1.66
(1,744)	1:B:66:LYS:HD3	1:B:67:LYS:H	5	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,744)	1:A:66:LYS:HD3	1:A:67:LYS:H	12	1.66
(1,744)	1:A:66:LYS:HD3	1:B:67:LYS:H	12	1.66
(1,744)	1:B:66:LYS:HD3	1:A:67:LYS:H	12	1.66
(1,744)	1:B:66:LYS:HD3	1:B:67:LYS:H	12	1.66
(1,647)	1:A:90:ASN:HB2	1:A:65:LEU:HD11	12	1.66
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD11	12	1.66
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD12	12	1.66
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD13	12	1.66
(1,647)	1:A:90:ASN:HB3	1:A:65:LEU:HD11	12	1.66
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD11	12	1.66
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD12	12	1.66
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD13	12	1.66
(1,647)	1:B:90:ASN:HB2	1:A:65:LEU:HD11	12	1.66
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD11	12	1.66
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD12	12	1.66
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD13	12	1.66
(1,647)	1:B:90:ASN:HB3	1:A:65:LEU:HD11	12	1.66
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD11	12	1.66
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD12	12	1.66
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD13	12	1.66
(1,358)	1:A:67:LYS:HA	1:A:69:SER:H	13	1.66
(1,358)	1:A:67:LYS:HA	1:B:69:SER:H	13	1.66
(1,358)	1:B:67:LYS:HA	1:A:69:SER:H	13	1.66
(1,358)	1:B:67:LYS:HA	1:B:69:SER:H	13	1.66
(1,259)	1:A:56:GLN:HG3	1:A:82:GLU:H	7	1.66
(1,259)	1:A:56:GLN:HG3	1:B:82:GLU:H	7	1.66
(1,259)	1:B:56:GLN:HG3	1:A:82:GLU:H	7	1.66
(1,259)	1:B:56:GLN:HG3	1:B:82:GLU:H	7	1.66
(1,259)	1:A:56:GLN:HG3	1:A:82:GLU:H	14	1.66
(1,259)	1:A:56:GLN:HG3	1:B:82:GLU:H	14	1.66
(1,259)	1:B:56:GLN:HG3	1:A:82:GLU:H	14	1.66
(1,259)	1:B:56:GLN:HG3	1:B:82:GLU:H	14	1.66
(1,259)	1:A:56:GLN:HG3	1:A:82:GLU:H	18	1.66
(1,259)	1:A:56:GLN:HG3	1:B:82:GLU:H	18	1.66
(1,259)	1:B:56:GLN:HG3	1:A:82:GLU:H	18	1.66
(1,259)	1:B:56:GLN:HG3	1:B:82:GLU:H	18	1.66
(1,783)	1:A:64:ALA:HB1	1:A:67:LYS:H	16	1.65
(1,783)	1:A:64:ALA:HB1	1:B:67:LYS:H	16	1.65
(1,783)	1:A:64:ALA:HB2	1:A:67:LYS:H	16	1.65
(1,783)	1:A:64:ALA:HB2	1:B:67:LYS:H	16	1.65
(1,783)	1:A:64:ALA:HB3	1:A:67:LYS:H	16	1.65
(1,783)	1:A:64:ALA:HB3	1:B:67:LYS:H	16	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:B:64:ALA:HB1	1:A:67:LYS:H	16	1.65
(1,783)	1:B:64:ALA:HB1	1:B:67:LYS:H	16	1.65
(1,783)	1:B:64:ALA:HB2	1:A:67:LYS:H	16	1.65
(1,783)	1:B:64:ALA:HB2	1:B:67:LYS:H	16	1.65
(1,783)	1:B:64:ALA:HB3	1:A:67:LYS:H	16	1.65
(1,783)	1:B:64:ALA:HB3	1:B:67:LYS:H	16	1.65
(1,783)	1:A:64:ALA:HB1	1:A:67:LYS:H	17	1.65
(1,783)	1:A:64:ALA:HB1	1:B:67:LYS:H	17	1.65
(1,783)	1:A:64:ALA:HB2	1:A:67:LYS:H	17	1.65
(1,783)	1:A:64:ALA:HB2	1:B:67:LYS:H	17	1.65
(1,783)	1:A:64:ALA:HB3	1:A:67:LYS:H	17	1.65
(1,783)	1:A:64:ALA:HB3	1:B:67:LYS:H	17	1.65
(1,783)	1:B:64:ALA:HB1	1:A:67:LYS:H	17	1.65
(1,783)	1:B:64:ALA:HB1	1:B:67:LYS:H	17	1.65
(1,783)	1:B:64:ALA:HB2	1:A:67:LYS:H	17	1.65
(1,783)	1:B:64:ALA:HB2	1:B:67:LYS:H	17	1.65
(1,783)	1:B:64:ALA:HB3	1:A:67:LYS:H	17	1.65
(1,783)	1:B:64:ALA:HB3	1:B:67:LYS:H	17	1.65
(1,774)	1:A:86:LYS:HD3	1:A:88:LEU:H	14	1.65
(1,774)	1:A:86:LYS:HD3	1:B:88:LEU:H	14	1.65
(1,774)	1:B:86:LYS:HD3	1:A:88:LEU:H	14	1.65
(1,774)	1:B:86:LYS:HD3	1:B:88:LEU:H	14	1.65
(1,769)	1:A:50:ILE:HG21	1:A:79:ASP:H	2	1.65
(1,769)	1:A:50:ILE:HG21	1:B:79:ASP:H	2	1.65
(1,769)	1:B:50:ILE:HG21	1:A:79:ASP:H	2	1.65
(1,769)	1:B:50:ILE:HG21	1:B:79:ASP:H	2	1.65
(1,769)	1:B:50:ILE:HG22	1:A:79:ASP:H	2	1.65
(1,769)	1:B:50:ILE:HG22	1:B:79:ASP:H	2	1.65
(1,769)	1:B:50:ILE:HG23	1:A:79:ASP:H	2	1.65
(1,769)	1:B:50:ILE:HG23	1:B:79:ASP:H	2	1.65
(1,769)	1:A:50:ILE:HG21	1:A:79:ASP:H	19	1.65
(1,769)	1:A:50:ILE:HG21	1:B:79:ASP:H	19	1.65
(1,769)	1:B:50:ILE:HG21	1:A:79:ASP:H	19	1.65
(1,769)	1:B:50:ILE:HG21	1:B:79:ASP:H	19	1.65
(1,769)	1:B:50:ILE:HG22	1:A:79:ASP:H	19	1.65
(1,769)	1:B:50:ILE:HG22	1:B:79:ASP:H	19	1.65
(1,769)	1:B:50:ILE:HG23	1:A:79:ASP:H	19	1.65
(1,769)	1:B:50:ILE:HG23	1:B:79:ASP:H	19	1.65
(1,744)	1:A:66:LYS:HD3	1:A:67:LYS:H	2	1.65
(1,744)	1:A:66:LYS:HD3	1:B:67:LYS:H	2	1.65
(1,744)	1:B:66:LYS:HD3	1:A:67:LYS:H	2	1.65
(1,744)	1:B:66:LYS:HD3	1:B:67:LYS:H	2	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,394)	1:A:67:LYS:H	1:A:69:SER:H	12	1.65
(1,394)	1:A:67:LYS:H	1:B:69:SER:H	12	1.65
(1,394)	1:B:67:LYS:H	1:A:69:SER:H	12	1.65
(1,394)	1:B:67:LYS:H	1:B:69:SER:H	12	1.65
(1,259)	1:A:56:GLN:HG3	1:A:82:GLU:H	19	1.65
(1,259)	1:A:56:GLN:HG3	1:B:82:GLU:H	19	1.65
(1,259)	1:B:56:GLN:HG3	1:A:82:GLU:H	19	1.65
(1,259)	1:B:56:GLN:HG3	1:B:82:GLU:H	19	1.65
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB2	4	1.64
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB3	4	1.64
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB2	4	1.64
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB3	4	1.64
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB2	4	1.64
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB3	4	1.64
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB2	4	1.64
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB3	4	1.64
(1,832)	1:A:87:HIS:HD1	1:A:91:LEU:HA	9	1.64
(1,832)	1:A:87:HIS:HD1	1:B:91:LEU:HA	9	1.64
(1,832)	1:A:87:HIS:HD2	1:A:91:LEU:HA	9	1.64
(1,832)	1:A:87:HIS:HD2	1:B:91:LEU:HA	9	1.64
(1,832)	1:B:87:HIS:HD1	1:A:91:LEU:HA	9	1.64
(1,832)	1:B:87:HIS:HD1	1:B:91:LEU:HA	9	1.64
(1,832)	1:B:87:HIS:HD2	1:A:91:LEU:HA	9	1.64
(1,832)	1:B:87:HIS:HD2	1:B:91:LEU:HA	9	1.64
(1,817)	1:A:60:LEU:HD11	1:A:88:LEU:HB2	18	1.64
(1,817)	1:A:60:LEU:HD11	1:B:88:LEU:HB2	18	1.64
(1,817)	1:B:60:LEU:HD11	1:A:88:LEU:HB2	18	1.64
(1,817)	1:B:60:LEU:HD11	1:B:88:LEU:HB2	18	1.64
(1,817)	1:B:60:LEU:HD12	1:A:88:LEU:HB2	18	1.64
(1,817)	1:B:60:LEU:HD12	1:B:88:LEU:HB2	18	1.64
(1,817)	1:B:60:LEU:HD13	1:A:88:LEU:HB2	18	1.64
(1,817)	1:B:60:LEU:HD13	1:B:88:LEU:HB2	18	1.64
(1,817)	1:B:60:LEU:HD21	1:A:88:LEU:HB2	18	1.64
(1,817)	1:B:60:LEU:HD21	1:B:88:LEU:HB2	18	1.64
(1,817)	1:B:60:LEU:HD22	1:A:88:LEU:HB2	18	1.64
(1,817)	1:B:60:LEU:HD22	1:B:88:LEU:HB2	18	1.64
(1,817)	1:B:60:LEU:HD23	1:A:88:LEU:HB2	18	1.64
(1,817)	1:B:60:LEU:HD23	1:B:88:LEU:HB2	18	1.64
(1,783)	1:A:64:ALA:HB1	1:A:67:LYS:H	9	1.64
(1,783)	1:A:64:ALA:HB1	1:B:67:LYS:H	9	1.64
(1,783)	1:A:64:ALA:HB2	1:A:67:LYS:H	9	1.64
(1,783)	1:A:64:ALA:HB2	1:B:67:LYS:H	9	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:A:64:ALA:HB3	1:A:67:LYS:H	9	1.64
(1,783)	1:A:64:ALA:HB3	1:B:67:LYS:H	9	1.64
(1,783)	1:B:64:ALA:HB1	1:A:67:LYS:H	9	1.64
(1,783)	1:B:64:ALA:HB1	1:B:67:LYS:H	9	1.64
(1,783)	1:B:64:ALA:HB2	1:A:67:LYS:H	9	1.64
(1,783)	1:B:64:ALA:HB2	1:B:67:LYS:H	9	1.64
(1,783)	1:B:64:ALA:HB3	1:A:67:LYS:H	9	1.64
(1,783)	1:B:64:ALA:HB3	1:B:67:LYS:H	9	1.64
(1,764)	1:A:86:LYS:HG2	1:A:90:ASN:H	10	1.64
(1,764)	1:A:86:LYS:HG2	1:B:90:ASN:H	10	1.64
(1,764)	1:B:86:LYS:HG2	1:A:90:ASN:H	10	1.64
(1,764)	1:B:86:LYS:HG2	1:B:90:ASN:H	10	1.64
(1,65)	1:A:56:GLN:HG2	1:A:82:GLU:H	11	1.64
(1,65)	1:A:56:GLN:HG2	1:B:82:GLU:H	11	1.64
(1,65)	1:B:56:GLN:HG2	1:A:82:GLU:H	11	1.64
(1,65)	1:B:56:GLN:HG2	1:B:82:GLU:H	11	1.64
(1,647)	1:A:90:ASN:HB2	1:A:65:LEU:HD11	1	1.64
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD11	1	1.64
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD12	1	1.64
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD13	1	1.64
(1,647)	1:A:90:ASN:HB3	1:A:65:LEU:HD11	1	1.64
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD11	1	1.64
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD12	1	1.64
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD13	1	1.64
(1,647)	1:B:90:ASN:HB2	1:A:65:LEU:HD11	1	1.64
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD11	1	1.64
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD12	1	1.64
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD13	1	1.64
(1,647)	1:B:90:ASN:HB3	1:A:65:LEU:HD11	1	1.64
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD11	1	1.64
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD12	1	1.64
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD13	1	1.64
(1,358)	1:A:67:LYS:HA	1:A:69:SER:H	1	1.64
(1,358)	1:A:67:LYS:HA	1:B:69:SER:H	1	1.64
(1,358)	1:B:67:LYS:HA	1:A:69:SER:H	1	1.64
(1,358)	1:B:67:LYS:HA	1:B:69:SER:H	1	1.64
(1,358)	1:A:67:LYS:HA	1:A:69:SER:H	7	1.64
(1,358)	1:A:67:LYS:HA	1:B:69:SER:H	7	1.64
(1,358)	1:B:67:LYS:HA	1:A:69:SER:H	7	1.64
(1,358)	1:B:67:LYS:HA	1:B:69:SER:H	7	1.64
(1,833)	1:A:87:HIS:HD1	1:A:92:GLN:H	9	1.63
(1,833)	1:A:87:HIS:HD1	1:B:92:GLN:H	9	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,833)	1:A:87:HIS:HD2	1:A:92:GLN:H	9	1.63
(1,833)	1:A:87:HIS:HD2	1:B:92:GLN:H	9	1.63
(1,833)	1:B:87:HIS:HD1	1:A:92:GLN:H	9	1.63
(1,833)	1:B:87:HIS:HD1	1:B:92:GLN:H	9	1.63
(1,833)	1:B:87:HIS:HD2	1:A:92:GLN:H	9	1.63
(1,833)	1:B:87:HIS:HD2	1:B:92:GLN:H	9	1.63
(1,783)	1:A:64:ALA:HB1	1:A:67:LYS:H	10	1.63
(1,783)	1:A:64:ALA:HB1	1:B:67:LYS:H	10	1.63
(1,783)	1:A:64:ALA:HB2	1:A:67:LYS:H	10	1.63
(1,783)	1:A:64:ALA:HB2	1:B:67:LYS:H	10	1.63
(1,783)	1:A:64:ALA:HB3	1:A:67:LYS:H	10	1.63
(1,783)	1:A:64:ALA:HB3	1:B:67:LYS:H	10	1.63
(1,783)	1:B:64:ALA:HB1	1:A:67:LYS:H	10	1.63
(1,783)	1:B:64:ALA:HB1	1:B:67:LYS:H	10	1.63
(1,783)	1:B:64:ALA:HB2	1:A:67:LYS:H	10	1.63
(1,783)	1:B:64:ALA:HB2	1:B:67:LYS:H	10	1.63
(1,783)	1:B:64:ALA:HB3	1:A:67:LYS:H	10	1.63
(1,783)	1:B:64:ALA:HB3	1:B:67:LYS:H	10	1.63
(1,769)	1:A:50:ILE:HG21	1:A:79:ASP:H	1	1.63
(1,769)	1:A:50:ILE:HG21	1:B:79:ASP:H	1	1.63
(1,769)	1:B:50:ILE:HG21	1:A:79:ASP:H	1	1.63
(1,769)	1:B:50:ILE:HG21	1:B:79:ASP:H	1	1.63
(1,769)	1:B:50:ILE:HG22	1:A:79:ASP:H	1	1.63
(1,769)	1:B:50:ILE:HG22	1:B:79:ASP:H	1	1.63
(1,769)	1:B:50:ILE:HG23	1:A:79:ASP:H	1	1.63
(1,769)	1:B:50:ILE:HG23	1:B:79:ASP:H	1	1.63
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD11	4	1.63
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD12	4	1.63
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD13	4	1.63
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD11	4	1.63
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD12	4	1.63
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD13	4	1.63
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD11	4	1.63
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD12	4	1.63
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD13	4	1.63
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD11	4	1.63
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD12	4	1.63
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD13	4	1.63
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB2	8	1.62
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB3	8	1.62
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB2	8	1.62
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB3	8	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB2	8	1.62
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB3	8	1.62
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB2	8	1.62
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB3	8	1.62
(1,774)	1:A:86:LYS:HD3	1:A:88:LEU:H	9	1.62
(1,774)	1:A:86:LYS:HD3	1:B:88:LEU:H	9	1.62
(1,774)	1:B:86:LYS:HD3	1:A:88:LEU:H	9	1.62
(1,774)	1:B:86:LYS:HD3	1:B:88:LEU:H	9	1.62
(1,769)	1:A:50:ILE:HG21	1:A:79:ASP:H	8	1.62
(1,769)	1:A:50:ILE:HG21	1:B:79:ASP:H	8	1.62
(1,769)	1:B:50:ILE:HG21	1:A:79:ASP:H	8	1.62
(1,769)	1:B:50:ILE:HG21	1:B:79:ASP:H	8	1.62
(1,769)	1:B:50:ILE:HG22	1:A:79:ASP:H	8	1.62
(1,769)	1:B:50:ILE:HG22	1:B:79:ASP:H	8	1.62
(1,769)	1:B:50:ILE:HG23	1:A:79:ASP:H	8	1.62
(1,769)	1:B:50:ILE:HG23	1:B:79:ASP:H	8	1.62
(1,65)	1:A:56:GLN:HG2	1:A:82:GLU:H	16	1.62
(1,65)	1:A:56:GLN:HG2	1:B:82:GLU:H	16	1.62
(1,65)	1:B:56:GLN:HG2	1:A:82:GLU:H	16	1.62
(1,65)	1:B:56:GLN:HG2	1:B:82:GLU:H	16	1.62
(1,370)	1:A:66:LYS:HA	1:A:69:SER:H	7	1.62
(1,370)	1:A:66:LYS:HA	1:B:69:SER:H	7	1.62
(1,370)	1:B:66:LYS:HA	1:A:69:SER:H	7	1.62
(1,370)	1:B:66:LYS:HA	1:B:69:SER:H	7	1.62
(1,259)	1:A:56:GLN:HG3	1:A:82:GLU:H	9	1.62
(1,259)	1:A:56:GLN:HG3	1:B:82:GLU:H	9	1.62
(1,259)	1:B:56:GLN:HG3	1:A:82:GLU:H	9	1.62
(1,259)	1:B:56:GLN:HG3	1:B:82:GLU:H	9	1.62
(1,817)	1:A:60:LEU:HD11	1:A:88:LEU:HB2	4	1.61
(1,817)	1:A:60:LEU:HD11	1:B:88:LEU:HB2	4	1.61
(1,817)	1:B:60:LEU:HD11	1:A:88:LEU:HB2	4	1.61
(1,817)	1:B:60:LEU:HD11	1:B:88:LEU:HB2	4	1.61
(1,817)	1:B:60:LEU:HD12	1:A:88:LEU:HB2	4	1.61
(1,817)	1:B:60:LEU:HD12	1:B:88:LEU:HB2	4	1.61
(1,817)	1:B:60:LEU:HD13	1:A:88:LEU:HB2	4	1.61
(1,817)	1:B:60:LEU:HD13	1:B:88:LEU:HB2	4	1.61
(1,817)	1:B:60:LEU:HD21	1:A:88:LEU:HB2	4	1.61
(1,817)	1:B:60:LEU:HD21	1:B:88:LEU:HB2	4	1.61
(1,817)	1:B:60:LEU:HD22	1:A:88:LEU:HB2	4	1.61
(1,817)	1:B:60:LEU:HD22	1:B:88:LEU:HB2	4	1.61
(1,817)	1:B:60:LEU:HD23	1:A:88:LEU:HB2	4	1.61
(1,817)	1:B:60:LEU:HD23	1:B:88:LEU:HB2	4	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:A:50:ILE:HG21	1:A:79:ASP:H	3	1.61
(1,769)	1:A:50:ILE:HG21	1:B:79:ASP:H	3	1.61
(1,769)	1:B:50:ILE:HG21	1:A:79:ASP:H	3	1.61
(1,769)	1:B:50:ILE:HG21	1:B:79:ASP:H	3	1.61
(1,769)	1:B:50:ILE:HG22	1:A:79:ASP:H	3	1.61
(1,769)	1:B:50:ILE:HG22	1:B:79:ASP:H	3	1.61
(1,769)	1:B:50:ILE:HG23	1:A:79:ASP:H	3	1.61
(1,769)	1:B:50:ILE:HG23	1:B:79:ASP:H	3	1.61
(1,769)	1:A:50:ILE:HG21	1:A:79:ASP:H	17	1.61
(1,769)	1:A:50:ILE:HG21	1:B:79:ASP:H	17	1.61
(1,769)	1:B:50:ILE:HG21	1:A:79:ASP:H	17	1.61
(1,769)	1:B:50:ILE:HG21	1:B:79:ASP:H	17	1.61
(1,769)	1:B:50:ILE:HG22	1:A:79:ASP:H	17	1.61
(1,769)	1:B:50:ILE:HG22	1:B:79:ASP:H	17	1.61
(1,769)	1:B:50:ILE:HG23	1:A:79:ASP:H	17	1.61
(1,769)	1:B:50:ILE:HG23	1:B:79:ASP:H	17	1.61
(1,746)	1:A:87:HIS:HD1	1:A:92:GLN:H	9	1.61
(1,746)	1:A:87:HIS:HD1	1:B:92:GLN:H	9	1.61
(1,746)	1:B:87:HIS:HD1	1:A:92:GLN:H	9	1.61
(1,746)	1:B:87:HIS:HD1	1:B:92:GLN:H	9	1.61
(1,647)	1:A:90:ASN:HB2	1:A:65:LEU:HD11	17	1.61
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD11	17	1.61
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD12	17	1.61
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD13	17	1.61
(1,647)	1:A:90:ASN:HB3	1:A:65:LEU:HD11	17	1.61
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD11	17	1.61
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD12	17	1.61
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD13	17	1.61
(1,647)	1:B:90:ASN:HB2	1:A:65:LEU:HD11	17	1.61
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD11	17	1.61
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD12	17	1.61
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD13	17	1.61
(1,647)	1:B:90:ASN:HB3	1:A:65:LEU:HD11	17	1.61
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD11	17	1.61
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD12	17	1.61
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD13	17	1.61
(1,358)	1:A:67:LYS:HA	1:A:69:SER:H	12	1.61
(1,358)	1:A:67:LYS:HA	1:B:69:SER:H	12	1.61
(1,358)	1:B:67:LYS:HA	1:A:69:SER:H	12	1.61
(1,358)	1:B:67:LYS:HA	1:B:69:SER:H	12	1.61
(1,259)	1:A:56:GLN:HG3	1:A:82:GLU:H	3	1.61
(1,259)	1:A:56:GLN:HG3	1:B:82:GLU:H	3	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,259)	1:B:56:GLN:HG3	1:A:82:GLU:H	3	1.61
(1,259)	1:B:56:GLN:HG3	1:B:82:GLU:H	3	1.61
(1,835)	1:A:87:HIS:HD1	1:A:67:LYS:HD2	14	1.6
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD2	14	1.6
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD3	14	1.6
(1,835)	1:A:87:HIS:HD2	1:A:67:LYS:HD2	14	1.6
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD2	14	1.6
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD3	14	1.6
(1,835)	1:B:87:HIS:HD1	1:A:67:LYS:HD2	14	1.6
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD2	14	1.6
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD3	14	1.6
(1,835)	1:B:87:HIS:HD2	1:A:67:LYS:HD2	14	1.6
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD2	14	1.6
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD3	14	1.6
(1,833)	1:A:87:HIS:HD1	1:A:92:GLN:H	18	1.6
(1,833)	1:A:87:HIS:HD1	1:B:92:GLN:H	18	1.6
(1,833)	1:A:87:HIS:HD2	1:A:92:GLN:H	18	1.6
(1,833)	1:A:87:HIS:HD2	1:B:92:GLN:H	18	1.6
(1,833)	1:B:87:HIS:HD1	1:A:92:GLN:H	18	1.6
(1,833)	1:B:87:HIS:HD1	1:B:92:GLN:H	18	1.6
(1,833)	1:B:87:HIS:HD2	1:A:92:GLN:H	18	1.6
(1,833)	1:B:87:HIS:HD2	1:B:92:GLN:H	18	1.6
(1,789)	1:A:66:LYS:HA	1:A:69:SER:HG	18	1.6
(1,789)	1:A:66:LYS:HA	1:B:69:SER:HG	18	1.6
(1,789)	1:B:66:LYS:HA	1:A:69:SER:HG	18	1.6
(1,789)	1:B:66:LYS:HA	1:B:69:SER:HG	18	1.6
(1,783)	1:A:64:ALA:HB1	1:A:67:LYS:H	4	1.6
(1,783)	1:A:64:ALA:HB1	1:B:67:LYS:H	4	1.6
(1,783)	1:A:64:ALA:HB2	1:A:67:LYS:H	4	1.6
(1,783)	1:A:64:ALA:HB2	1:B:67:LYS:H	4	1.6
(1,783)	1:A:64:ALA:HB3	1:A:67:LYS:H	4	1.6
(1,783)	1:A:64:ALA:HB3	1:B:67:LYS:H	4	1.6
(1,783)	1:B:64:ALA:HB1	1:A:67:LYS:H	4	1.6
(1,783)	1:B:64:ALA:HB1	1:B:67:LYS:H	4	1.6
(1,783)	1:B:64:ALA:HB2	1:A:67:LYS:H	4	1.6
(1,783)	1:B:64:ALA:HB2	1:B:67:LYS:H	4	1.6
(1,783)	1:B:64:ALA:HB3	1:A:67:LYS:H	4	1.6
(1,783)	1:B:64:ALA:HB3	1:B:67:LYS:H	4	1.6
(1,744)	1:A:66:LYS:HD3	1:A:67:LYS:H	8	1.6
(1,744)	1:A:66:LYS:HD3	1:B:67:LYS:H	8	1.6
(1,744)	1:B:66:LYS:HD3	1:A:67:LYS:H	8	1.6
(1,744)	1:B:66:LYS:HD3	1:B:67:LYS:H	8	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB2	1	1.59
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB3	1	1.59
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB2	1	1.59
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB3	1	1.59
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB2	1	1.59
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB3	1	1.59
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB2	1	1.59
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB3	1	1.59
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB2	18	1.59
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB3	18	1.59
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB2	18	1.59
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB3	18	1.59
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB2	18	1.59
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB3	18	1.59
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB2	18	1.59
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB3	18	1.59
(1,833)	1:A:87:HIS:HD1	1:A:92:GLN:H	1	1.59
(1,833)	1:A:87:HIS:HD1	1:B:92:GLN:H	1	1.59
(1,833)	1:A:87:HIS:HD2	1:A:92:GLN:H	1	1.59
(1,833)	1:A:87:HIS:HD2	1:B:92:GLN:H	1	1.59
(1,833)	1:B:87:HIS:HD1	1:A:92:GLN:H	1	1.59
(1,833)	1:B:87:HIS:HD1	1:B:92:GLN:H	1	1.59
(1,833)	1:B:87:HIS:HD2	1:A:92:GLN:H	1	1.59
(1,833)	1:B:87:HIS:HD2	1:B:92:GLN:H	1	1.59
(1,833)	1:A:87:HIS:HD1	1:A:92:GLN:H	11	1.59
(1,833)	1:A:87:HIS:HD1	1:B:92:GLN:H	11	1.59
(1,833)	1:A:87:HIS:HD2	1:A:92:GLN:H	11	1.59
(1,833)	1:A:87:HIS:HD2	1:B:92:GLN:H	11	1.59
(1,833)	1:B:87:HIS:HD1	1:A:92:GLN:H	11	1.59
(1,833)	1:B:87:HIS:HD1	1:B:92:GLN:H	11	1.59
(1,833)	1:B:87:HIS:HD2	1:A:92:GLN:H	11	1.59
(1,833)	1:B:87:HIS:HD2	1:B:92:GLN:H	11	1.59
(1,700)	1:A:87:HIS:HD1	1:A:91:LEU:HA	7	1.59
(1,700)	1:A:87:HIS:HD1	1:B:91:LEU:HA	7	1.59
(1,700)	1:B:87:HIS:HD1	1:A:91:LEU:HA	7	1.59
(1,700)	1:B:87:HIS:HD1	1:B:91:LEU:HA	7	1.59
(1,65)	1:A:56:GLN:HG2	1:A:82:GLU:H	17	1.59
(1,65)	1:A:56:GLN:HG2	1:B:82:GLU:H	17	1.59
(1,65)	1:B:56:GLN:HG2	1:A:82:GLU:H	17	1.59
(1,65)	1:B:56:GLN:HG2	1:B:82:GLU:H	17	1.59
(1,420)	1:A:87:HIS:HD2	1:A:91:LEU:HA	19	1.59
(1,420)	1:A:87:HIS:HD2	1:B:91:LEU:HA	19	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,420)	1:B:87:HIS:HD2	1:A:91:LEU:HA	19	1.59
(1,420)	1:B:87:HIS:HD2	1:B:91:LEU:HA	19	1.59
(1,833)	1:A:87:HIS:HD1	1:A:92:GLN:H	16	1.58
(1,833)	1:A:87:HIS:HD1	1:B:92:GLN:H	16	1.58
(1,833)	1:A:87:HIS:HD2	1:A:92:GLN:H	16	1.58
(1,833)	1:A:87:HIS:HD2	1:B:92:GLN:H	16	1.58
(1,833)	1:B:87:HIS:HD1	1:A:92:GLN:H	16	1.58
(1,833)	1:B:87:HIS:HD1	1:B:92:GLN:H	16	1.58
(1,833)	1:B:87:HIS:HD2	1:A:92:GLN:H	16	1.58
(1,833)	1:B:87:HIS:HD2	1:B:92:GLN:H	16	1.58
(1,817)	1:A:60:LEU:HD11	1:A:88:LEU:HB2	2	1.58
(1,817)	1:A:60:LEU:HD11	1:B:88:LEU:HB2	2	1.58
(1,817)	1:B:60:LEU:HD11	1:A:88:LEU:HB2	2	1.58
(1,817)	1:B:60:LEU:HD11	1:B:88:LEU:HB2	2	1.58
(1,817)	1:B:60:LEU:HD12	1:A:88:LEU:HB2	2	1.58
(1,817)	1:B:60:LEU:HD12	1:B:88:LEU:HB2	2	1.58
(1,817)	1:B:60:LEU:HD13	1:A:88:LEU:HB2	2	1.58
(1,817)	1:B:60:LEU:HD13	1:B:88:LEU:HB2	2	1.58
(1,817)	1:B:60:LEU:HD21	1:A:88:LEU:HB2	2	1.58
(1,817)	1:B:60:LEU:HD21	1:B:88:LEU:HB2	2	1.58
(1,817)	1:B:60:LEU:HD22	1:A:88:LEU:HB2	2	1.58
(1,817)	1:B:60:LEU:HD22	1:B:88:LEU:HB2	2	1.58
(1,817)	1:B:60:LEU:HD23	1:A:88:LEU:HB2	2	1.58
(1,817)	1:B:60:LEU:HD23	1:B:88:LEU:HB2	2	1.58
(1,783)	1:A:64:ALA:HB1	1:A:67:LYS:H	18	1.58
(1,783)	1:A:64:ALA:HB1	1:B:67:LYS:H	18	1.58
(1,783)	1:A:64:ALA:HB2	1:A:67:LYS:H	18	1.58
(1,783)	1:A:64:ALA:HB2	1:B:67:LYS:H	18	1.58
(1,783)	1:A:64:ALA:HB3	1:A:67:LYS:H	18	1.58
(1,783)	1:A:64:ALA:HB3	1:B:67:LYS:H	18	1.58
(1,783)	1:B:64:ALA:HB1	1:A:67:LYS:H	18	1.58
(1,783)	1:B:64:ALA:HB1	1:B:67:LYS:H	18	1.58
(1,783)	1:B:64:ALA:HB2	1:A:67:LYS:H	18	1.58
(1,783)	1:B:64:ALA:HB2	1:B:67:LYS:H	18	1.58
(1,783)	1:B:64:ALA:HB3	1:A:67:LYS:H	18	1.58
(1,783)	1:B:64:ALA:HB3	1:B:67:LYS:H	18	1.58
(1,769)	1:A:50:ILE:HG21	1:A:79:ASP:H	15	1.58
(1,769)	1:A:50:ILE:HG21	1:B:79:ASP:H	15	1.58
(1,769)	1:B:50:ILE:HG21	1:A:79:ASP:H	15	1.58
(1,769)	1:B:50:ILE:HG21	1:B:79:ASP:H	15	1.58
(1,769)	1:B:50:ILE:HG22	1:A:79:ASP:H	15	1.58
(1,769)	1:B:50:ILE:HG22	1:B:79:ASP:H	15	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:B:50:ILE:HG23	1:A:79:ASP:H	15	1.58
(1,769)	1:B:50:ILE:HG23	1:B:79:ASP:H	15	1.58
(1,764)	1:A:86:LYS:HG2	1:A:90:ASN:H	11	1.58
(1,764)	1:A:86:LYS:HG2	1:B:90:ASN:H	11	1.58
(1,764)	1:B:86:LYS:HG2	1:A:90:ASN:H	11	1.58
(1,764)	1:B:86:LYS:HG2	1:B:90:ASN:H	11	1.58
(1,744)	1:A:66:LYS:HD3	1:A:67:LYS:H	3	1.58
(1,744)	1:A:66:LYS:HD3	1:B:67:LYS:H	3	1.58
(1,744)	1:B:66:LYS:HD3	1:A:67:LYS:H	3	1.58
(1,744)	1:B:66:LYS:HD3	1:B:67:LYS:H	3	1.58
(1,744)	1:A:66:LYS:HD3	1:A:67:LYS:H	20	1.58
(1,744)	1:A:66:LYS:HD3	1:B:67:LYS:H	20	1.58
(1,744)	1:B:66:LYS:HD3	1:A:67:LYS:H	20	1.58
(1,744)	1:B:66:LYS:HD3	1:B:67:LYS:H	20	1.58
(1,669)	1:A:88:LEU:HB3	1:A:91:LEU:HG	10	1.58
(1,669)	1:A:88:LEU:HB3	1:B:91:LEU:HG	10	1.58
(1,669)	1:B:88:LEU:HB3	1:A:91:LEU:HG	10	1.58
(1,669)	1:B:88:LEU:HB3	1:B:91:LEU:HG	10	1.58
(1,669)	1:A:88:LEU:HB3	1:A:91:LEU:HG	19	1.58
(1,669)	1:A:88:LEU:HB3	1:B:91:LEU:HG	19	1.58
(1,669)	1:B:88:LEU:HB3	1:A:91:LEU:HG	19	1.58
(1,669)	1:B:88:LEU:HB3	1:B:91:LEU:HG	19	1.58
(1,370)	1:A:66:LYS:HA	1:A:69:SER:H	12	1.58
(1,370)	1:A:66:LYS:HA	1:B:69:SER:H	12	1.58
(1,370)	1:B:66:LYS:HA	1:A:69:SER:H	12	1.58
(1,370)	1:B:66:LYS:HA	1:B:69:SER:H	12	1.58
(1,370)	1:A:66:LYS:HA	1:A:69:SER:H	15	1.58
(1,370)	1:A:66:LYS:HA	1:B:69:SER:H	15	1.58
(1,370)	1:B:66:LYS:HA	1:A:69:SER:H	15	1.58
(1,370)	1:B:66:LYS:HA	1:B:69:SER:H	15	1.58
(1,259)	1:A:56:GLN:HG3	1:A:82:GLU:H	12	1.58
(1,259)	1:A:56:GLN:HG3	1:B:82:GLU:H	12	1.58
(1,259)	1:B:56:GLN:HG3	1:A:82:GLU:H	12	1.58
(1,259)	1:B:56:GLN:HG3	1:B:82:GLU:H	12	1.58
(1,817)	1:A:60:LEU:HD11	1:A:88:LEU:HB2	19	1.57
(1,817)	1:A:60:LEU:HD11	1:B:88:LEU:HB2	19	1.57
(1,817)	1:B:60:LEU:HD11	1:A:88:LEU:HB2	19	1.57
(1,817)	1:B:60:LEU:HD11	1:B:88:LEU:HB2	19	1.57
(1,817)	1:B:60:LEU:HD12	1:A:88:LEU:HB2	19	1.57
(1,817)	1:B:60:LEU:HD12	1:B:88:LEU:HB2	19	1.57
(1,817)	1:B:60:LEU:HD13	1:A:88:LEU:HB2	19	1.57
(1,817)	1:B:60:LEU:HD13	1:B:88:LEU:HB2	19	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,817)	1:B:60:LEU:HD21	1:A:88:LEU:HB2	19	1.57
(1,817)	1:B:60:LEU:HD21	1:B:88:LEU:HB2	19	1.57
(1,817)	1:B:60:LEU:HD22	1:A:88:LEU:HB2	19	1.57
(1,817)	1:B:60:LEU:HD22	1:B:88:LEU:HB2	19	1.57
(1,817)	1:B:60:LEU:HD23	1:A:88:LEU:HB2	19	1.57
(1,817)	1:B:60:LEU:HD23	1:B:88:LEU:HB2	19	1.57
(1,783)	1:A:64:ALA:HB1	1:A:67:LYS:H	1	1.57
(1,783)	1:A:64:ALA:HB1	1:B:67:LYS:H	1	1.57
(1,783)	1:A:64:ALA:HB2	1:A:67:LYS:H	1	1.57
(1,783)	1:A:64:ALA:HB2	1:B:67:LYS:H	1	1.57
(1,783)	1:A:64:ALA:HB3	1:A:67:LYS:H	1	1.57
(1,783)	1:A:64:ALA:HB3	1:B:67:LYS:H	1	1.57
(1,783)	1:B:64:ALA:HB1	1:A:67:LYS:H	1	1.57
(1,783)	1:B:64:ALA:HB1	1:B:67:LYS:H	1	1.57
(1,783)	1:B:64:ALA:HB2	1:A:67:LYS:H	1	1.57
(1,783)	1:B:64:ALA:HB2	1:B:67:LYS:H	1	1.57
(1,783)	1:B:64:ALA:HB3	1:A:67:LYS:H	1	1.57
(1,783)	1:B:64:ALA:HB3	1:B:67:LYS:H	1	1.57
(1,746)	1:A:87:HIS:HD1	1:A:92:GLN:H	6	1.57
(1,746)	1:A:87:HIS:HD1	1:B:92:GLN:H	6	1.57
(1,746)	1:B:87:HIS:HD1	1:A:92:GLN:H	6	1.57
(1,746)	1:B:87:HIS:HD1	1:B:92:GLN:H	6	1.57
(1,700)	1:A:87:HIS:HD1	1:A:91:LEU:HA	20	1.57
(1,700)	1:A:87:HIS:HD1	1:B:91:LEU:HA	20	1.57
(1,700)	1:B:87:HIS:HD1	1:A:91:LEU:HA	20	1.57
(1,700)	1:B:87:HIS:HD1	1:B:91:LEU:HA	20	1.57
(1,65)	1:A:56:GLN:HG2	1:A:82:GLU:H	4	1.57
(1,65)	1:A:56:GLN:HG2	1:B:82:GLU:H	4	1.57
(1,65)	1:B:56:GLN:HG2	1:A:82:GLU:H	4	1.57
(1,65)	1:B:56:GLN:HG2	1:B:82:GLU:H	4	1.57
(1,647)	1:A:90:ASN:HB2	1:A:65:LEU:HD11	14	1.57
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD11	14	1.57
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD12	14	1.57
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD13	14	1.57
(1,647)	1:A:90:ASN:HB3	1:A:65:LEU:HD11	14	1.57
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD11	14	1.57
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD12	14	1.57
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD13	14	1.57
(1,647)	1:B:90:ASN:HB2	1:A:65:LEU:HD11	14	1.57
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD11	14	1.57
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD12	14	1.57
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD13	14	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:B:90:ASN:HB3	1:A:65:LEU:HD11	14	1.57
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD11	14	1.57
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD12	14	1.57
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD13	14	1.57
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB2	3	1.56
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB3	3	1.56
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB2	3	1.56
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB3	3	1.56
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB2	3	1.56
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB3	3	1.56
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB2	3	1.56
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB3	3	1.56
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB2	14	1.56
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB3	14	1.56
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB2	14	1.56
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB3	14	1.56
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB2	14	1.56
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB3	14	1.56
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB2	14	1.56
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB3	14	1.56
(1,833)	1:A:87:HIS:HD1	1:A:92:GLN:H	4	1.56
(1,833)	1:A:87:HIS:HD1	1:B:92:GLN:H	4	1.56
(1,833)	1:A:87:HIS:HD2	1:A:92:GLN:H	4	1.56
(1,833)	1:A:87:HIS:HD2	1:B:92:GLN:H	4	1.56
(1,833)	1:B:87:HIS:HD1	1:A:92:GLN:H	4	1.56
(1,833)	1:B:87:HIS:HD1	1:B:92:GLN:H	4	1.56
(1,833)	1:B:87:HIS:HD2	1:A:92:GLN:H	4	1.56
(1,833)	1:B:87:HIS:HD2	1:B:92:GLN:H	4	1.56
(1,832)	1:A:87:HIS:HD1	1:A:91:LEU:HA	17	1.56
(1,832)	1:A:87:HIS:HD1	1:B:91:LEU:HA	17	1.56
(1,832)	1:A:87:HIS:HD2	1:A:91:LEU:HA	17	1.56
(1,832)	1:A:87:HIS:HD2	1:B:91:LEU:HA	17	1.56
(1,832)	1:B:87:HIS:HD1	1:A:91:LEU:HA	17	1.56
(1,832)	1:B:87:HIS:HD1	1:B:91:LEU:HA	17	1.56
(1,832)	1:B:87:HIS:HD2	1:A:91:LEU:HA	17	1.56
(1,832)	1:B:87:HIS:HD2	1:B:91:LEU:HA	17	1.56
(1,747)	1:A:87:HIS:HD2	1:A:92:GLN:H	10	1.56
(1,747)	1:A:87:HIS:HD2	1:B:92:GLN:H	10	1.56
(1,747)	1:B:87:HIS:HD2	1:A:92:GLN:H	10	1.56
(1,747)	1:B:87:HIS:HD2	1:B:92:GLN:H	10	1.56
(1,746)	1:A:87:HIS:HD1	1:A:92:GLN:H	15	1.56
(1,746)	1:A:87:HIS:HD1	1:B:92:GLN:H	15	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,746)	1:B:87:HIS:HD1	1:A:92:GLN:H	15	1.56
(1,746)	1:B:87:HIS:HD1	1:B:92:GLN:H	15	1.56
(1,65)	1:A:56:GLN:HG2	1:A:82:GLU:H	19	1.56
(1,65)	1:A:56:GLN:HG2	1:B:82:GLU:H	19	1.56
(1,65)	1:B:56:GLN:HG2	1:A:82:GLU:H	19	1.56
(1,65)	1:B:56:GLN:HG2	1:B:82:GLU:H	19	1.56
(1,647)	1:A:90:ASN:HB2	1:A:65:LEU:HD11	9	1.56
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD11	9	1.56
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD12	9	1.56
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD13	9	1.56
(1,647)	1:A:90:ASN:HB3	1:A:65:LEU:HD11	9	1.56
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD11	9	1.56
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD12	9	1.56
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD13	9	1.56
(1,647)	1:B:90:ASN:HB2	1:A:65:LEU:HD11	9	1.56
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD11	9	1.56
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD12	9	1.56
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD13	9	1.56
(1,647)	1:B:90:ASN:HB3	1:A:65:LEU:HD11	9	1.56
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD11	9	1.56
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD12	9	1.56
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD13	9	1.56
(1,394)	1:A:67:LYS:H	1:A:69:SER:H	17	1.56
(1,394)	1:A:67:LYS:H	1:B:69:SER:H	17	1.56
(1,394)	1:B:67:LYS:H	1:A:69:SER:H	17	1.56
(1,394)	1:B:67:LYS:H	1:B:69:SER:H	17	1.56
(1,358)	1:A:67:LYS:HA	1:A:69:SER:H	10	1.56
(1,358)	1:A:67:LYS:HA	1:B:69:SER:H	10	1.56
(1,358)	1:B:67:LYS:HA	1:A:69:SER:H	10	1.56
(1,358)	1:B:67:LYS:HA	1:B:69:SER:H	10	1.56
(1,833)	1:A:87:HIS:HD1	1:A:92:GLN:H	2	1.55
(1,833)	1:A:87:HIS:HD1	1:B:92:GLN:H	2	1.55
(1,833)	1:A:87:HIS:HD2	1:A:92:GLN:H	2	1.55
(1,833)	1:A:87:HIS:HD2	1:B:92:GLN:H	2	1.55
(1,833)	1:B:87:HIS:HD1	1:A:92:GLN:H	2	1.55
(1,833)	1:B:87:HIS:HD1	1:B:92:GLN:H	2	1.55
(1,833)	1:B:87:HIS:HD2	1:A:92:GLN:H	2	1.55
(1,833)	1:B:87:HIS:HD2	1:B:92:GLN:H	2	1.55
(1,832)	1:A:87:HIS:HD1	1:A:91:LEU:HA	18	1.55
(1,832)	1:A:87:HIS:HD1	1:B:91:LEU:HA	18	1.55
(1,832)	1:A:87:HIS:HD2	1:A:91:LEU:HA	18	1.55
(1,832)	1:A:87:HIS:HD2	1:B:91:LEU:HA	18	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:B:87:HIS:HD1	1:A:91:LEU:HA	18	1.55
(1,832)	1:B:87:HIS:HD1	1:B:91:LEU:HA	18	1.55
(1,832)	1:B:87:HIS:HD2	1:A:91:LEU:HA	18	1.55
(1,832)	1:B:87:HIS:HD2	1:B:91:LEU:HA	18	1.55
(1,833)	1:A:87:HIS:HD1	1:A:92:GLN:H	8	1.54
(1,833)	1:A:87:HIS:HD1	1:B:92:GLN:H	8	1.54
(1,833)	1:A:87:HIS:HD2	1:A:92:GLN:H	8	1.54
(1,833)	1:A:87:HIS:HD2	1:B:92:GLN:H	8	1.54
(1,833)	1:B:87:HIS:HD1	1:A:92:GLN:H	8	1.54
(1,833)	1:B:87:HIS:HD1	1:B:92:GLN:H	8	1.54
(1,833)	1:B:87:HIS:HD2	1:A:92:GLN:H	8	1.54
(1,833)	1:B:87:HIS:HD2	1:B:92:GLN:H	8	1.54
(1,746)	1:A:87:HIS:HD1	1:A:92:GLN:H	12	1.54
(1,746)	1:A:87:HIS:HD1	1:B:92:GLN:H	12	1.54
(1,746)	1:B:87:HIS:HD1	1:A:92:GLN:H	12	1.54
(1,746)	1:B:87:HIS:HD1	1:B:92:GLN:H	12	1.54
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD11	12	1.54
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD12	12	1.54
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD13	12	1.54
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD11	12	1.54
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD12	12	1.54
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD13	12	1.54
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD11	12	1.54
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD12	12	1.54
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD13	12	1.54
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD11	12	1.54
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD12	12	1.54
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD13	12	1.54
(1,358)	1:A:67:LYS:HA	1:A:69:SER:H	9	1.54
(1,358)	1:A:67:LYS:HA	1:B:69:SER:H	9	1.54
(1,358)	1:B:67:LYS:HA	1:A:69:SER:H	9	1.54
(1,358)	1:B:67:LYS:HA	1:B:69:SER:H	9	1.54
(1,764)	1:A:86:LYS:HG2	1:A:90:ASN:H	8	1.53
(1,764)	1:A:86:LYS:HG2	1:B:90:ASN:H	8	1.53
(1,764)	1:B:86:LYS:HG2	1:A:90:ASN:H	8	1.53
(1,764)	1:B:86:LYS:HG2	1:B:90:ASN:H	8	1.53
(1,65)	1:A:56:GLN:HG2	1:A:82:GLU:H	1	1.53
(1,65)	1:A:56:GLN:HG2	1:B:82:GLU:H	1	1.53
(1,65)	1:B:56:GLN:HG2	1:A:82:GLU:H	1	1.53
(1,65)	1:B:56:GLN:HG2	1:B:82:GLU:H	1	1.53
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB2	2	1.52
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB3	2	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB2	2	1.52
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB3	2	1.52
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB2	2	1.52
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB3	2	1.52
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB2	2	1.52
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB3	2	1.52
(1,833)	1:A:87:HIS:HD1	1:A:92:GLN:H	7	1.52
(1,833)	1:A:87:HIS:HD1	1:B:92:GLN:H	7	1.52
(1,833)	1:A:87:HIS:HD2	1:A:92:GLN:H	7	1.52
(1,833)	1:A:87:HIS:HD2	1:B:92:GLN:H	7	1.52
(1,833)	1:B:87:HIS:HD1	1:A:92:GLN:H	7	1.52
(1,833)	1:B:87:HIS:HD1	1:B:92:GLN:H	7	1.52
(1,833)	1:B:87:HIS:HD2	1:A:92:GLN:H	7	1.52
(1,833)	1:B:87:HIS:HD2	1:B:92:GLN:H	7	1.52
(1,816)	1:A:60:LEU:HD11	1:A:86:LYS:H	18	1.52
(1,816)	1:A:60:LEU:HD11	1:B:86:LYS:H	18	1.52
(1,816)	1:B:60:LEU:HD11	1:A:86:LYS:H	18	1.52
(1,816)	1:B:60:LEU:HD11	1:B:86:LYS:H	18	1.52
(1,816)	1:B:60:LEU:HD12	1:A:86:LYS:H	18	1.52
(1,816)	1:B:60:LEU:HD12	1:B:86:LYS:H	18	1.52
(1,816)	1:B:60:LEU:HD13	1:A:86:LYS:H	18	1.52
(1,816)	1:B:60:LEU:HD13	1:B:86:LYS:H	18	1.52
(1,816)	1:B:60:LEU:HD21	1:A:86:LYS:H	18	1.52
(1,816)	1:B:60:LEU:HD21	1:B:86:LYS:H	18	1.52
(1,816)	1:B:60:LEU:HD22	1:A:86:LYS:H	18	1.52
(1,816)	1:B:60:LEU:HD22	1:B:86:LYS:H	18	1.52
(1,816)	1:B:60:LEU:HD23	1:A:86:LYS:H	18	1.52
(1,816)	1:B:60:LEU:HD23	1:B:86:LYS:H	18	1.52
(1,746)	1:A:87:HIS:HD1	1:A:92:GLN:H	2	1.52
(1,746)	1:A:87:HIS:HD1	1:B:92:GLN:H	2	1.52
(1,746)	1:B:87:HIS:HD1	1:A:92:GLN:H	2	1.52
(1,746)	1:B:87:HIS:HD1	1:B:92:GLN:H	2	1.52
(1,746)	1:A:87:HIS:HD1	1:A:92:GLN:H	17	1.52
(1,746)	1:A:87:HIS:HD1	1:B:92:GLN:H	17	1.52
(1,746)	1:B:87:HIS:HD1	1:A:92:GLN:H	17	1.52
(1,746)	1:B:87:HIS:HD1	1:B:92:GLN:H	17	1.52
(1,65)	1:A:56:GLN:HG2	1:A:82:GLU:H	7	1.52
(1,65)	1:A:56:GLN:HG2	1:B:82:GLU:H	7	1.52
(1,65)	1:B:56:GLN:HG2	1:A:82:GLU:H	7	1.52
(1,65)	1:B:56:GLN:HG2	1:B:82:GLU:H	7	1.52
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE21	15	1.52
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE22	15	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE21	15	1.52
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE22	15	1.52
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE21	15	1.52
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE22	15	1.52
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE21	15	1.52
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE22	15	1.52
(1,431)	1:A:71:ARG:HG2	1:A:75:LEU:HA	5	1.52
(1,431)	1:A:71:ARG:HG2	1:B:75:LEU:HA	5	1.52
(1,431)	1:B:71:ARG:HG2	1:A:75:LEU:HA	5	1.52
(1,431)	1:B:71:ARG:HG2	1:B:75:LEU:HA	5	1.52
(1,431)	1:A:71:ARG:HG2	1:A:75:LEU:HA	19	1.52
(1,431)	1:A:71:ARG:HG2	1:B:75:LEU:HA	19	1.52
(1,431)	1:B:71:ARG:HG2	1:A:75:LEU:HA	19	1.52
(1,431)	1:B:71:ARG:HG2	1:B:75:LEU:HA	19	1.52
(1,816)	1:A:60:LEU:HD11	1:A:86:LYS:H	20	1.51
(1,816)	1:A:60:LEU:HD11	1:B:86:LYS:H	20	1.51
(1,816)	1:B:60:LEU:HD11	1:A:86:LYS:H	20	1.51
(1,816)	1:B:60:LEU:HD11	1:B:86:LYS:H	20	1.51
(1,816)	1:B:60:LEU:HD12	1:A:86:LYS:H	20	1.51
(1,816)	1:B:60:LEU:HD12	1:B:86:LYS:H	20	1.51
(1,816)	1:B:60:LEU:HD13	1:A:86:LYS:H	20	1.51
(1,816)	1:B:60:LEU:HD13	1:B:86:LYS:H	20	1.51
(1,816)	1:B:60:LEU:HD21	1:A:86:LYS:H	20	1.51
(1,816)	1:B:60:LEU:HD21	1:B:86:LYS:H	20	1.51
(1,816)	1:B:60:LEU:HD22	1:A:86:LYS:H	20	1.51
(1,816)	1:B:60:LEU:HD22	1:B:86:LYS:H	20	1.51
(1,816)	1:B:60:LEU:HD23	1:A:86:LYS:H	20	1.51
(1,816)	1:B:60:LEU:HD23	1:B:86:LYS:H	20	1.51
(1,746)	1:A:87:HIS:HD1	1:A:92:GLN:H	1	1.51
(1,746)	1:A:87:HIS:HD1	1:B:92:GLN:H	1	1.51
(1,746)	1:B:87:HIS:HD1	1:A:92:GLN:H	1	1.51
(1,746)	1:B:87:HIS:HD1	1:B:92:GLN:H	1	1.51
(1,647)	1:A:90:ASN:HB2	1:A:65:LEU:HD11	20	1.51
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD11	20	1.51
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD12	20	1.51
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD13	20	1.51
(1,647)	1:A:90:ASN:HB3	1:A:65:LEU:HD11	20	1.51
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD11	20	1.51
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD12	20	1.51
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD13	20	1.51
(1,647)	1:B:90:ASN:HB2	1:A:65:LEU:HD11	20	1.51
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD11	20	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD12	20	1.51
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD13	20	1.51
(1,647)	1:B:90:ASN:HB3	1:A:65:LEU:HD11	20	1.51
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD11	20	1.51
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD12	20	1.51
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD13	20	1.51
(1,431)	1:A:71:ARG:HG2	1:A:75:LEU:HA	15	1.51
(1,431)	1:A:71:ARG:HG2	1:B:75:LEU:HA	15	1.51
(1,431)	1:B:71:ARG:HG2	1:A:75:LEU:HA	15	1.51
(1,431)	1:B:71:ARG:HG2	1:B:75:LEU:HA	15	1.51
(1,259)	1:A:56:GLN:HG3	1:A:82:GLU:H	8	1.51
(1,259)	1:A:56:GLN:HG3	1:B:82:GLU:H	8	1.51
(1,259)	1:B:56:GLN:HG3	1:A:82:GLU:H	8	1.51
(1,259)	1:B:56:GLN:HG3	1:B:82:GLU:H	8	1.51
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB2	10	1.5
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB3	10	1.5
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB2	10	1.5
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB3	10	1.5
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB2	10	1.5
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB3	10	1.5
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB2	10	1.5
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB3	10	1.5
(1,833)	1:A:87:HIS:HD1	1:A:92:GLN:H	6	1.5
(1,833)	1:A:87:HIS:HD1	1:B:92:GLN:H	6	1.5
(1,833)	1:A:87:HIS:HD2	1:A:92:GLN:H	6	1.5
(1,833)	1:A:87:HIS:HD2	1:B:92:GLN:H	6	1.5
(1,833)	1:B:87:HIS:HD1	1:A:92:GLN:H	6	1.5
(1,833)	1:B:87:HIS:HD1	1:B:92:GLN:H	6	1.5
(1,833)	1:B:87:HIS:HD2	1:A:92:GLN:H	6	1.5
(1,833)	1:B:87:HIS:HD2	1:B:92:GLN:H	6	1.5
(1,832)	1:A:87:HIS:HD1	1:A:91:LEU:HA	1	1.5
(1,832)	1:A:87:HIS:HD1	1:B:91:LEU:HA	1	1.5
(1,832)	1:A:87:HIS:HD2	1:A:91:LEU:HA	1	1.5
(1,832)	1:A:87:HIS:HD2	1:B:91:LEU:HA	1	1.5
(1,832)	1:B:87:HIS:HD1	1:A:91:LEU:HA	1	1.5
(1,832)	1:B:87:HIS:HD1	1:B:91:LEU:HA	1	1.5
(1,832)	1:B:87:HIS:HD2	1:A:91:LEU:HA	1	1.5
(1,832)	1:B:87:HIS:HD2	1:B:91:LEU:HA	1	1.5
(1,769)	1:A:50:ILE:HG21	1:A:79:ASP:H	12	1.5
(1,769)	1:A:50:ILE:HG21	1:B:79:ASP:H	12	1.5
(1,769)	1:B:50:ILE:HG21	1:A:79:ASP:H	12	1.5
(1,769)	1:B:50:ILE:HG21	1:B:79:ASP:H	12	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:B:50:ILE:HG22	1:A:79:ASP:H	12	1.5
(1,769)	1:B:50:ILE:HG22	1:B:79:ASP:H	12	1.5
(1,769)	1:B:50:ILE:HG23	1:A:79:ASP:H	12	1.5
(1,769)	1:B:50:ILE:HG23	1:B:79:ASP:H	12	1.5
(1,746)	1:A:87:HIS:HD1	1:A:92:GLN:H	16	1.5
(1,746)	1:A:87:HIS:HD1	1:B:92:GLN:H	16	1.5
(1,746)	1:B:87:HIS:HD1	1:A:92:GLN:H	16	1.5
(1,746)	1:B:87:HIS:HD1	1:B:92:GLN:H	16	1.5
(1,65)	1:A:56:GLN:HG2	1:A:82:GLU:H	15	1.5
(1,65)	1:A:56:GLN:HG2	1:B:82:GLU:H	15	1.5
(1,65)	1:B:56:GLN:HG2	1:A:82:GLU:H	15	1.5
(1,65)	1:B:56:GLN:HG2	1:B:82:GLU:H	15	1.5
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB2	15	1.49
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB3	15	1.49
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB2	15	1.49
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB3	15	1.49
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB2	15	1.49
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB3	15	1.49
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB2	15	1.49
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB3	15	1.49
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB2	11	1.49
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB3	11	1.49
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB2	11	1.49
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB3	11	1.49
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB2	11	1.49
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB3	11	1.49
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB2	11	1.49
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB3	11	1.49
(1,832)	1:A:87:HIS:HD1	1:A:91:LEU:HA	16	1.49
(1,832)	1:A:87:HIS:HD1	1:B:91:LEU:HA	16	1.49
(1,832)	1:A:87:HIS:HD2	1:A:91:LEU:HA	16	1.49
(1,832)	1:A:87:HIS:HD2	1:B:91:LEU:HA	16	1.49
(1,832)	1:B:87:HIS:HD1	1:A:91:LEU:HA	16	1.49
(1,832)	1:B:87:HIS:HD1	1:B:91:LEU:HA	16	1.49
(1,832)	1:B:87:HIS:HD2	1:A:91:LEU:HA	16	1.49
(1,832)	1:B:87:HIS:HD2	1:B:91:LEU:HA	16	1.49
(1,769)	1:A:50:ILE:HG21	1:A:79:ASP:H	14	1.49
(1,769)	1:A:50:ILE:HG21	1:B:79:ASP:H	14	1.49
(1,769)	1:B:50:ILE:HG21	1:A:79:ASP:H	14	1.49
(1,769)	1:B:50:ILE:HG21	1:B:79:ASP:H	14	1.49
(1,769)	1:B:50:ILE:HG22	1:A:79:ASP:H	14	1.49
(1,769)	1:B:50:ILE:HG22	1:B:79:ASP:H	14	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:B:50:ILE:HG23	1:A:79:ASP:H	14	1.49
(1,769)	1:B:50:ILE:HG23	1:B:79:ASP:H	14	1.49
(1,764)	1:A:86:LYS:HG2	1:A:90:ASN:H	3	1.49
(1,764)	1:A:86:LYS:HG2	1:B:90:ASN:H	3	1.49
(1,764)	1:B:86:LYS:HG2	1:A:90:ASN:H	3	1.49
(1,764)	1:B:86:LYS:HG2	1:B:90:ASN:H	3	1.49
(1,700)	1:A:87:HIS:HD1	1:A:91:LEU:HA	15	1.49
(1,700)	1:A:87:HIS:HD1	1:B:91:LEU:HA	15	1.49
(1,700)	1:B:87:HIS:HD1	1:A:91:LEU:HA	15	1.49
(1,700)	1:B:87:HIS:HD1	1:B:91:LEU:HA	15	1.49
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB2	17	1.48
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB3	17	1.48
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB2	17	1.48
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB3	17	1.48
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB2	17	1.48
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB3	17	1.48
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB2	17	1.48
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB3	17	1.48
(1,833)	1:A:87:HIS:HD1	1:A:92:GLN:H	15	1.48
(1,833)	1:A:87:HIS:HD1	1:B:92:GLN:H	15	1.48
(1,833)	1:A:87:HIS:HD2	1:A:92:GLN:H	15	1.48
(1,833)	1:A:87:HIS:HD2	1:B:92:GLN:H	15	1.48
(1,833)	1:B:87:HIS:HD1	1:A:92:GLN:H	15	1.48
(1,833)	1:B:87:HIS:HD1	1:B:92:GLN:H	15	1.48
(1,833)	1:B:87:HIS:HD2	1:A:92:GLN:H	15	1.48
(1,833)	1:B:87:HIS:HD2	1:B:92:GLN:H	15	1.48
(1,764)	1:A:86:LYS:HG2	1:A:90:ASN:H	15	1.48
(1,764)	1:A:86:LYS:HG2	1:B:90:ASN:H	15	1.48
(1,764)	1:B:86:LYS:HG2	1:A:90:ASN:H	15	1.48
(1,764)	1:B:86:LYS:HG2	1:B:90:ASN:H	15	1.48
(1,65)	1:A:56:GLN:HG2	1:A:82:GLU:H	6	1.48
(1,65)	1:A:56:GLN:HG2	1:B:82:GLU:H	6	1.48
(1,65)	1:B:56:GLN:HG2	1:A:82:GLU:H	6	1.48
(1,65)	1:B:56:GLN:HG2	1:B:82:GLU:H	6	1.48
(1,65)	1:A:56:GLN:HG2	1:A:82:GLU:H	13	1.48
(1,65)	1:A:56:GLN:HG2	1:B:82:GLU:H	13	1.48
(1,65)	1:B:56:GLN:HG2	1:A:82:GLU:H	13	1.48
(1,65)	1:B:56:GLN:HG2	1:B:82:GLU:H	13	1.48
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD11	2	1.48
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD12	2	1.48
(1,649)	1:A:71:ARG:HG2	1:A:75:LEU:HD13	2	1.48
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD11	2	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD12	2	1.48
(1,649)	1:A:71:ARG:HG2	1:B:75:LEU:HD13	2	1.48
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD11	2	1.48
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD12	2	1.48
(1,649)	1:B:71:ARG:HG2	1:A:75:LEU:HD13	2	1.48
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD11	2	1.48
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD12	2	1.48
(1,649)	1:B:71:ARG:HG2	1:B:75:LEU:HD13	2	1.48
(1,647)	1:A:90:ASN:HB2	1:A:65:LEU:HD11	3	1.48
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD11	3	1.48
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD12	3	1.48
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD13	3	1.48
(1,647)	1:A:90:ASN:HB3	1:A:65:LEU:HD11	3	1.48
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD11	3	1.48
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD12	3	1.48
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD13	3	1.48
(1,647)	1:B:90:ASN:HB2	1:A:65:LEU:HD11	3	1.48
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD11	3	1.48
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD12	3	1.48
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD13	3	1.48
(1,647)	1:B:90:ASN:HB3	1:A:65:LEU:HD11	3	1.48
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD11	3	1.48
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD12	3	1.48
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD13	3	1.48
(1,647)	1:A:90:ASN:HB2	1:A:65:LEU:HD11	8	1.48
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD11	8	1.48
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD12	8	1.48
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD13	8	1.48
(1,647)	1:A:90:ASN:HB3	1:A:65:LEU:HD11	8	1.48
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD11	8	1.48
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD12	8	1.48
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD13	8	1.48
(1,647)	1:B:90:ASN:HB2	1:A:65:LEU:HD11	8	1.48
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD11	8	1.48
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD12	8	1.48
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD13	8	1.48
(1,647)	1:B:90:ASN:HB3	1:A:65:LEU:HD11	8	1.48
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD11	8	1.48
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD12	8	1.48
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD13	8	1.48
(1,647)	1:A:90:ASN:HB2	1:A:65:LEU:HD11	16	1.48
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD11	16	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD12	16	1.48
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD13	16	1.48
(1,647)	1:A:90:ASN:HB3	1:A:65:LEU:HD11	16	1.48
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD11	16	1.48
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD12	16	1.48
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD13	16	1.48
(1,647)	1:B:90:ASN:HB2	1:A:65:LEU:HD11	16	1.48
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD11	16	1.48
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD12	16	1.48
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD13	16	1.48
(1,647)	1:B:90:ASN:HB3	1:A:65:LEU:HD11	16	1.48
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD11	16	1.48
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD12	16	1.48
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD13	16	1.48
(1,431)	1:A:71:ARG:HG2	1:A:75:LEU:HA	1	1.48
(1,431)	1:A:71:ARG:HG2	1:B:75:LEU:HA	1	1.48
(1,431)	1:B:71:ARG:HG2	1:A:75:LEU:HA	1	1.48
(1,431)	1:B:71:ARG:HG2	1:B:75:LEU:HA	1	1.48
(1,259)	1:A:56:GLN:HG3	1:A:82:GLU:H	2	1.48
(1,259)	1:A:56:GLN:HG3	1:B:82:GLU:H	2	1.48
(1,259)	1:B:56:GLN:HG3	1:A:82:GLU:H	2	1.48
(1,259)	1:B:56:GLN:HG3	1:B:82:GLU:H	2	1.48
(1,816)	1:A:60:LEU:HD11	1:A:86:LYS:H	2	1.47
(1,816)	1:A:60:LEU:HD11	1:B:86:LYS:H	2	1.47
(1,816)	1:B:60:LEU:HD11	1:A:86:LYS:H	2	1.47
(1,816)	1:B:60:LEU:HD11	1:B:86:LYS:H	2	1.47
(1,816)	1:B:60:LEU:HD12	1:A:86:LYS:H	2	1.47
(1,816)	1:B:60:LEU:HD12	1:B:86:LYS:H	2	1.47
(1,816)	1:B:60:LEU:HD13	1:A:86:LYS:H	2	1.47
(1,816)	1:B:60:LEU:HD13	1:B:86:LYS:H	2	1.47
(1,816)	1:B:60:LEU:HD21	1:A:86:LYS:H	2	1.47
(1,816)	1:B:60:LEU:HD21	1:B:86:LYS:H	2	1.47
(1,816)	1:B:60:LEU:HD22	1:A:86:LYS:H	2	1.47
(1,816)	1:B:60:LEU:HD22	1:B:86:LYS:H	2	1.47
(1,816)	1:B:60:LEU:HD23	1:A:86:LYS:H	2	1.47
(1,816)	1:B:60:LEU:HD23	1:B:86:LYS:H	2	1.47
(1,817)	1:A:60:LEU:HD11	1:A:88:LEU:HB2	9	1.46
(1,817)	1:A:60:LEU:HD11	1:B:88:LEU:HB2	9	1.46
(1,817)	1:B:60:LEU:HD11	1:A:88:LEU:HB2	9	1.46
(1,817)	1:B:60:LEU:HD11	1:B:88:LEU:HB2	9	1.46
(1,817)	1:B:60:LEU:HD12	1:A:88:LEU:HB2	9	1.46
(1,817)	1:B:60:LEU:HD12	1:B:88:LEU:HB2	9	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,817)	1:B:60:LEU:HD13	1:A:88:LEU:HB2	9	1.46
(1,817)	1:B:60:LEU:HD13	1:B:88:LEU:HB2	9	1.46
(1,817)	1:B:60:LEU:HD21	1:A:88:LEU:HB2	9	1.46
(1,817)	1:B:60:LEU:HD21	1:B:88:LEU:HB2	9	1.46
(1,817)	1:B:60:LEU:HD22	1:A:88:LEU:HB2	9	1.46
(1,817)	1:B:60:LEU:HD22	1:B:88:LEU:HB2	9	1.46
(1,817)	1:B:60:LEU:HD23	1:A:88:LEU:HB2	9	1.46
(1,817)	1:B:60:LEU:HD23	1:B:88:LEU:HB2	9	1.46
(1,817)	1:A:60:LEU:HD11	1:A:88:LEU:HB2	16	1.46
(1,817)	1:A:60:LEU:HD11	1:B:88:LEU:HB2	16	1.46
(1,817)	1:B:60:LEU:HD11	1:A:88:LEU:HB2	16	1.46
(1,817)	1:B:60:LEU:HD11	1:B:88:LEU:HB2	16	1.46
(1,817)	1:B:60:LEU:HD12	1:A:88:LEU:HB2	16	1.46
(1,817)	1:B:60:LEU:HD12	1:B:88:LEU:HB2	16	1.46
(1,817)	1:B:60:LEU:HD13	1:A:88:LEU:HB2	16	1.46
(1,817)	1:B:60:LEU:HD13	1:B:88:LEU:HB2	16	1.46
(1,817)	1:B:60:LEU:HD21	1:A:88:LEU:HB2	16	1.46
(1,817)	1:B:60:LEU:HD21	1:B:88:LEU:HB2	16	1.46
(1,817)	1:B:60:LEU:HD22	1:A:88:LEU:HB2	16	1.46
(1,817)	1:B:60:LEU:HD22	1:B:88:LEU:HB2	16	1.46
(1,817)	1:B:60:LEU:HD23	1:A:88:LEU:HB2	16	1.46
(1,817)	1:B:60:LEU:HD23	1:B:88:LEU:HB2	16	1.46
(1,783)	1:A:64:ALA:HB1	1:A:67:LYS:H	14	1.46
(1,783)	1:A:64:ALA:HB1	1:B:67:LYS:H	14	1.46
(1,783)	1:A:64:ALA:HB2	1:A:67:LYS:H	14	1.46
(1,783)	1:A:64:ALA:HB2	1:B:67:LYS:H	14	1.46
(1,783)	1:A:64:ALA:HB3	1:A:67:LYS:H	14	1.46
(1,783)	1:A:64:ALA:HB3	1:B:67:LYS:H	14	1.46
(1,783)	1:B:64:ALA:HB1	1:A:67:LYS:H	14	1.46
(1,783)	1:B:64:ALA:HB1	1:B:67:LYS:H	14	1.46
(1,783)	1:B:64:ALA:HB2	1:A:67:LYS:H	14	1.46
(1,783)	1:B:64:ALA:HB2	1:B:67:LYS:H	14	1.46
(1,783)	1:B:64:ALA:HB3	1:A:67:LYS:H	14	1.46
(1,783)	1:B:64:ALA:HB3	1:B:67:LYS:H	14	1.46
(1,731)	1:A:86:LYS:HD3	1:A:87:HIS:HA	10	1.46
(1,731)	1:A:86:LYS:HD3	1:B:87:HIS:HA	10	1.46
(1,731)	1:B:86:LYS:HD3	1:A:87:HIS:HA	10	1.46
(1,731)	1:B:86:LYS:HD3	1:B:87:HIS:HA	10	1.46
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD11	17	1.46
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD12	17	1.46
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD13	17	1.46
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD11	17	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD12	17	1.46
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD13	17	1.46
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD11	17	1.46
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD12	17	1.46
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD13	17	1.46
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD11	17	1.46
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD12	17	1.46
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD13	17	1.46
(1,431)	1:A:71:ARG:HG2	1:A:75:LEU:HA	12	1.46
(1,431)	1:A:71:ARG:HG2	1:B:75:LEU:HA	12	1.46
(1,431)	1:B:71:ARG:HG2	1:A:75:LEU:HA	12	1.46
(1,431)	1:B:71:ARG:HG2	1:B:75:LEU:HA	12	1.46
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB2	2	1.45
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB3	2	1.45
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB2	2	1.45
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB3	2	1.45
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB2	2	1.45
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB3	2	1.45
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB2	2	1.45
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB3	2	1.45
(1,832)	1:A:87:HIS:HD1	1:A:91:LEU:HA	2	1.45
(1,832)	1:A:87:HIS:HD1	1:B:91:LEU:HA	2	1.45
(1,832)	1:A:87:HIS:HD2	1:A:91:LEU:HA	2	1.45
(1,832)	1:A:87:HIS:HD2	1:B:91:LEU:HA	2	1.45
(1,832)	1:B:87:HIS:HD1	1:A:91:LEU:HA	2	1.45
(1,832)	1:B:87:HIS:HD1	1:B:91:LEU:HA	2	1.45
(1,832)	1:B:87:HIS:HD2	1:A:91:LEU:HA	2	1.45
(1,832)	1:B:87:HIS:HD2	1:B:91:LEU:HA	2	1.45
(1,816)	1:A:60:LEU:HD11	1:A:86:LYS:H	4	1.45
(1,816)	1:A:60:LEU:HD11	1:B:86:LYS:H	4	1.45
(1,816)	1:B:60:LEU:HD11	1:A:86:LYS:H	4	1.45
(1,816)	1:B:60:LEU:HD11	1:B:86:LYS:H	4	1.45
(1,816)	1:B:60:LEU:HD12	1:A:86:LYS:H	4	1.45
(1,816)	1:B:60:LEU:HD12	1:B:86:LYS:H	4	1.45
(1,816)	1:B:60:LEU:HD13	1:A:86:LYS:H	4	1.45
(1,816)	1:B:60:LEU:HD13	1:B:86:LYS:H	4	1.45
(1,816)	1:B:60:LEU:HD21	1:A:86:LYS:H	4	1.45
(1,816)	1:B:60:LEU:HD21	1:B:86:LYS:H	4	1.45
(1,816)	1:B:60:LEU:HD22	1:A:86:LYS:H	4	1.45
(1,816)	1:B:60:LEU:HD22	1:B:86:LYS:H	4	1.45
(1,816)	1:B:60:LEU:HD23	1:A:86:LYS:H	4	1.45
(1,816)	1:B:60:LEU:HD23	1:B:86:LYS:H	4	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:A:66:LYS:HG2	1:A:67:LYS:HG3	14	1.45
(1,680)	1:A:66:LYS:HG2	1:B:67:LYS:HG3	14	1.45
(1,680)	1:B:66:LYS:HG2	1:A:67:LYS:HG3	14	1.45
(1,680)	1:B:66:LYS:HG2	1:B:67:LYS:HG3	14	1.45
(1,370)	1:A:66:LYS:HA	1:A:69:SER:H	5	1.45
(1,370)	1:A:66:LYS:HA	1:B:69:SER:H	5	1.45
(1,370)	1:B:66:LYS:HA	1:A:69:SER:H	5	1.45
(1,370)	1:B:66:LYS:HA	1:B:69:SER:H	5	1.45
(1,370)	1:A:66:LYS:HA	1:A:69:SER:H	9	1.45
(1,370)	1:A:66:LYS:HA	1:B:69:SER:H	9	1.45
(1,370)	1:B:66:LYS:HA	1:A:69:SER:H	9	1.45
(1,370)	1:B:66:LYS:HA	1:B:69:SER:H	9	1.45
(1,370)	1:A:66:LYS:HA	1:A:69:SER:H	10	1.45
(1,370)	1:A:66:LYS:HA	1:B:69:SER:H	10	1.45
(1,370)	1:B:66:LYS:HA	1:A:69:SER:H	10	1.45
(1,370)	1:B:66:LYS:HA	1:B:69:SER:H	10	1.45
(1,817)	1:A:60:LEU:HD11	1:A:88:LEU:HB2	10	1.44
(1,817)	1:A:60:LEU:HD11	1:B:88:LEU:HB2	10	1.44
(1,817)	1:B:60:LEU:HD11	1:A:88:LEU:HB2	10	1.44
(1,817)	1:B:60:LEU:HD11	1:B:88:LEU:HB2	10	1.44
(1,817)	1:B:60:LEU:HD12	1:A:88:LEU:HB2	10	1.44
(1,817)	1:B:60:LEU:HD12	1:B:88:LEU:HB2	10	1.44
(1,817)	1:B:60:LEU:HD13	1:A:88:LEU:HB2	10	1.44
(1,817)	1:B:60:LEU:HD13	1:B:88:LEU:HB2	10	1.44
(1,817)	1:B:60:LEU:HD21	1:A:88:LEU:HB2	10	1.44
(1,817)	1:B:60:LEU:HD21	1:B:88:LEU:HB2	10	1.44
(1,817)	1:B:60:LEU:HD22	1:A:88:LEU:HB2	10	1.44
(1,817)	1:B:60:LEU:HD22	1:B:88:LEU:HB2	10	1.44
(1,817)	1:B:60:LEU:HD23	1:A:88:LEU:HB2	10	1.44
(1,817)	1:B:60:LEU:HD23	1:B:88:LEU:HB2	10	1.44
(1,747)	1:A:87:HIS:HD2	1:A:92:GLN:H	17	1.44
(1,747)	1:A:87:HIS:HD2	1:B:92:GLN:H	17	1.44
(1,747)	1:B:87:HIS:HD2	1:A:92:GLN:H	17	1.44
(1,747)	1:B:87:HIS:HD2	1:B:92:GLN:H	17	1.44
(1,747)	1:A:87:HIS:HD2	1:A:92:GLN:H	18	1.44
(1,747)	1:A:87:HIS:HD2	1:B:92:GLN:H	18	1.44
(1,747)	1:B:87:HIS:HD2	1:A:92:GLN:H	18	1.44
(1,747)	1:B:87:HIS:HD2	1:B:92:GLN:H	18	1.44
(1,431)	1:A:71:ARG:HG2	1:A:75:LEU:HA	18	1.44
(1,431)	1:A:71:ARG:HG2	1:B:75:LEU:HA	18	1.44
(1,431)	1:B:71:ARG:HG2	1:A:75:LEU:HA	18	1.44
(1,431)	1:B:71:ARG:HG2	1:B:75:LEU:HA	18	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	1:A:60:LEU:HD11	1:A:86:LYS:H	19	1.43
(1,816)	1:A:60:LEU:HD11	1:B:86:LYS:H	19	1.43
(1,816)	1:B:60:LEU:HD11	1:A:86:LYS:H	19	1.43
(1,816)	1:B:60:LEU:HD11	1:B:86:LYS:H	19	1.43
(1,816)	1:B:60:LEU:HD12	1:A:86:LYS:H	19	1.43
(1,816)	1:B:60:LEU:HD12	1:B:86:LYS:H	19	1.43
(1,816)	1:B:60:LEU:HD13	1:A:86:LYS:H	19	1.43
(1,816)	1:B:60:LEU:HD13	1:B:86:LYS:H	19	1.43
(1,816)	1:B:60:LEU:HD21	1:A:86:LYS:H	19	1.43
(1,816)	1:B:60:LEU:HD21	1:B:86:LYS:H	19	1.43
(1,816)	1:B:60:LEU:HD22	1:A:86:LYS:H	19	1.43
(1,816)	1:B:60:LEU:HD22	1:B:86:LYS:H	19	1.43
(1,816)	1:B:60:LEU:HD23	1:A:86:LYS:H	19	1.43
(1,816)	1:B:60:LEU:HD23	1:B:86:LYS:H	19	1.43
(1,764)	1:A:86:LYS:HG2	1:A:90:ASN:H	16	1.43
(1,764)	1:A:86:LYS:HG2	1:B:90:ASN:H	16	1.43
(1,764)	1:B:86:LYS:HG2	1:A:90:ASN:H	16	1.43
(1,764)	1:B:86:LYS:HG2	1:B:90:ASN:H	16	1.43
(1,431)	1:A:71:ARG:HG2	1:A:75:LEU:HA	7	1.43
(1,431)	1:A:71:ARG:HG2	1:B:75:LEU:HA	7	1.43
(1,431)	1:B:71:ARG:HG2	1:A:75:LEU:HA	7	1.43
(1,431)	1:B:71:ARG:HG2	1:B:75:LEU:HA	7	1.43
(1,394)	1:A:67:LYS:H	1:A:69:SER:H	9	1.43
(1,394)	1:A:67:LYS:H	1:B:69:SER:H	9	1.43
(1,394)	1:B:67:LYS:H	1:A:69:SER:H	9	1.43
(1,394)	1:B:67:LYS:H	1:B:69:SER:H	9	1.43
(1,370)	1:A:66:LYS:HA	1:A:69:SER:H	1	1.43
(1,370)	1:A:66:LYS:HA	1:B:69:SER:H	1	1.43
(1,370)	1:B:66:LYS:HA	1:A:69:SER:H	1	1.43
(1,370)	1:B:66:LYS:HA	1:B:69:SER:H	1	1.43
(1,358)	1:A:67:LYS:HA	1:A:69:SER:H	17	1.43
(1,358)	1:A:67:LYS:HA	1:B:69:SER:H	17	1.43
(1,358)	1:B:67:LYS:HA	1:A:69:SER:H	17	1.43
(1,358)	1:B:67:LYS:HA	1:B:69:SER:H	17	1.43
(1,783)	1:A:64:ALA:HB1	1:A:67:LYS:H	7	1.42
(1,783)	1:A:64:ALA:HB1	1:B:67:LYS:H	7	1.42
(1,783)	1:A:64:ALA:HB2	1:A:67:LYS:H	7	1.42
(1,783)	1:A:64:ALA:HB2	1:B:67:LYS:H	7	1.42
(1,783)	1:A:64:ALA:HB3	1:A:67:LYS:H	7	1.42
(1,783)	1:A:64:ALA:HB3	1:B:67:LYS:H	7	1.42
(1,783)	1:B:64:ALA:HB1	1:A:67:LYS:H	7	1.42
(1,783)	1:B:64:ALA:HB1	1:B:67:LYS:H	7	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:B:64:ALA:HB2	1:A:67:LYS:H	7	1.42
(1,783)	1:B:64:ALA:HB2	1:B:67:LYS:H	7	1.42
(1,783)	1:B:64:ALA:HB3	1:A:67:LYS:H	7	1.42
(1,783)	1:B:64:ALA:HB3	1:B:67:LYS:H	7	1.42
(1,764)	1:A:86:LYS:HG2	1:A:90:ASN:H	5	1.42
(1,764)	1:A:86:LYS:HG2	1:B:90:ASN:H	5	1.42
(1,764)	1:B:86:LYS:HG2	1:A:90:ASN:H	5	1.42
(1,764)	1:B:86:LYS:HG2	1:B:90:ASN:H	5	1.42
(1,764)	1:A:86:LYS:HG2	1:A:90:ASN:H	12	1.42
(1,764)	1:A:86:LYS:HG2	1:B:90:ASN:H	12	1.42
(1,764)	1:B:86:LYS:HG2	1:A:90:ASN:H	12	1.42
(1,764)	1:B:86:LYS:HG2	1:B:90:ASN:H	12	1.42
(1,764)	1:A:86:LYS:HG2	1:A:90:ASN:H	20	1.42
(1,764)	1:A:86:LYS:HG2	1:B:90:ASN:H	20	1.42
(1,764)	1:B:86:LYS:HG2	1:A:90:ASN:H	20	1.42
(1,764)	1:B:86:LYS:HG2	1:B:90:ASN:H	20	1.42
(1,431)	1:A:71:ARG:HG2	1:A:75:LEU:HA	3	1.42
(1,431)	1:A:71:ARG:HG2	1:B:75:LEU:HA	3	1.42
(1,431)	1:B:71:ARG:HG2	1:A:75:LEU:HA	3	1.42
(1,431)	1:B:71:ARG:HG2	1:B:75:LEU:HA	3	1.42
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB2	7	1.41
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB3	7	1.41
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB2	7	1.41
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB3	7	1.41
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB2	7	1.41
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB3	7	1.41
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB2	7	1.41
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB3	7	1.41
(1,764)	1:A:86:LYS:HG2	1:A:90:ASN:H	4	1.41
(1,764)	1:A:86:LYS:HG2	1:B:90:ASN:H	4	1.41
(1,764)	1:B:86:LYS:HG2	1:A:90:ASN:H	4	1.41
(1,764)	1:B:86:LYS:HG2	1:B:90:ASN:H	4	1.41
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE21	3	1.41
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE22	3	1.41
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE21	3	1.41
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE22	3	1.41
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE21	3	1.41
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE22	3	1.41
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE21	3	1.41
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE22	3	1.41
(1,934)	1:A:74:LYS:H	1:A:70:SER:O	2	1.4
(1,934)	1:A:74:LYS:H	1:B:70:SER:O	2	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,934)	1:B:74:LYS:H	1:A:70:SER:O	2	1.4
(1,934)	1:B:74:LYS:H	1:B:70:SER:O	2	1.4
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB2	8	1.4
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB3	8	1.4
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB2	8	1.4
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB3	8	1.4
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB2	8	1.4
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB3	8	1.4
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB2	8	1.4
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB3	8	1.4
(1,783)	1:A:64:ALA:HB1	1:A:67:LYS:H	8	1.4
(1,783)	1:A:64:ALA:HB1	1:B:67:LYS:H	8	1.4
(1,783)	1:A:64:ALA:HB2	1:A:67:LYS:H	8	1.4
(1,783)	1:A:64:ALA:HB2	1:B:67:LYS:H	8	1.4
(1,783)	1:A:64:ALA:HB3	1:A:67:LYS:H	8	1.4
(1,783)	1:A:64:ALA:HB3	1:B:67:LYS:H	8	1.4
(1,783)	1:B:64:ALA:HB1	1:A:67:LYS:H	8	1.4
(1,783)	1:B:64:ALA:HB1	1:B:67:LYS:H	8	1.4
(1,783)	1:B:64:ALA:HB2	1:A:67:LYS:H	8	1.4
(1,783)	1:B:64:ALA:HB2	1:B:67:LYS:H	8	1.4
(1,783)	1:B:64:ALA:HB3	1:A:67:LYS:H	8	1.4
(1,783)	1:B:64:ALA:HB3	1:B:67:LYS:H	8	1.4
(1,764)	1:A:86:LYS:HG2	1:A:90:ASN:H	13	1.4
(1,764)	1:A:86:LYS:HG2	1:B:90:ASN:H	13	1.4
(1,764)	1:B:86:LYS:HG2	1:A:90:ASN:H	13	1.4
(1,764)	1:B:86:LYS:HG2	1:B:90:ASN:H	13	1.4
(1,746)	1:A:87:HIS:HD1	1:A:92:GLN:H	4	1.4
(1,746)	1:A:87:HIS:HD1	1:B:92:GLN:H	4	1.4
(1,746)	1:B:87:HIS:HD1	1:A:92:GLN:H	4	1.4
(1,746)	1:B:87:HIS:HD1	1:B:92:GLN:H	4	1.4
(1,746)	1:A:87:HIS:HD1	1:A:92:GLN:H	7	1.4
(1,746)	1:A:87:HIS:HD1	1:B:92:GLN:H	7	1.4
(1,746)	1:B:87:HIS:HD1	1:A:92:GLN:H	7	1.4
(1,746)	1:B:87:HIS:HD1	1:B:92:GLN:H	7	1.4
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE21	8	1.4
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE22	8	1.4
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE21	8	1.4
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE22	8	1.4
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE21	8	1.4
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE22	8	1.4
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE21	8	1.4
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE22	8	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB2	13	1.39
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB3	13	1.39
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB2	13	1.39
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB3	13	1.39
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB2	13	1.39
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB3	13	1.39
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB2	13	1.39
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB3	13	1.39
(1,832)	1:A:87:HIS:HD1	1:A:91:LEU:HA	7	1.39
(1,832)	1:A:87:HIS:HD1	1:B:91:LEU:HA	7	1.39
(1,832)	1:A:87:HIS:HD2	1:A:91:LEU:HA	7	1.39
(1,832)	1:A:87:HIS:HD2	1:B:91:LEU:HA	7	1.39
(1,832)	1:B:87:HIS:HD1	1:A:91:LEU:HA	7	1.39
(1,832)	1:B:87:HIS:HD1	1:B:91:LEU:HA	7	1.39
(1,832)	1:B:87:HIS:HD2	1:A:91:LEU:HA	7	1.39
(1,832)	1:B:87:HIS:HD2	1:B:91:LEU:HA	7	1.39
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG2	10	1.39
(1,821)	1:A:86:LYS:HG2	1:A:83:MET:HG3	10	1.39
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG2	10	1.39
(1,821)	1:A:86:LYS:HG2	1:B:83:MET:HG3	10	1.39
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG2	10	1.39
(1,821)	1:B:86:LYS:HG2	1:A:83:MET:HG3	10	1.39
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG2	10	1.39
(1,821)	1:B:86:LYS:HG2	1:B:83:MET:HG3	10	1.39
(1,764)	1:A:86:LYS:HG2	1:A:90:ASN:H	18	1.39
(1,764)	1:A:86:LYS:HG2	1:B:90:ASN:H	18	1.39
(1,764)	1:B:86:LYS:HG2	1:A:90:ASN:H	18	1.39
(1,764)	1:B:86:LYS:HG2	1:B:90:ASN:H	18	1.39
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE1	17	1.39
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE2	17	1.39
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE3	17	1.39
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE1	17	1.39
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE2	17	1.39
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE3	17	1.39
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE1	17	1.39
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE2	17	1.39
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE3	17	1.39
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE1	17	1.39
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE2	17	1.39
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE3	17	1.39
(1,817)	1:A:60:LEU:HD11	1:A:88:LEU:HB2	14	1.38
(1,817)	1:A:60:LEU:HD11	1:B:88:LEU:HB2	14	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,817)	1:B:60:LEU:HD11	1:A:88:LEU:HB2	14	1.38
(1,817)	1:B:60:LEU:HD11	1:B:88:LEU:HB2	14	1.38
(1,817)	1:B:60:LEU:HD12	1:A:88:LEU:HB2	14	1.38
(1,817)	1:B:60:LEU:HD12	1:B:88:LEU:HB2	14	1.38
(1,817)	1:B:60:LEU:HD13	1:A:88:LEU:HB2	14	1.38
(1,817)	1:B:60:LEU:HD13	1:B:88:LEU:HB2	14	1.38
(1,817)	1:B:60:LEU:HD21	1:A:88:LEU:HB2	14	1.38
(1,817)	1:B:60:LEU:HD21	1:B:88:LEU:HB2	14	1.38
(1,817)	1:B:60:LEU:HD22	1:A:88:LEU:HB2	14	1.38
(1,817)	1:B:60:LEU:HD22	1:B:88:LEU:HB2	14	1.38
(1,817)	1:B:60:LEU:HD23	1:A:88:LEU:HB2	14	1.38
(1,817)	1:B:60:LEU:HD23	1:B:88:LEU:HB2	14	1.38
(1,817)	1:A:60:LEU:HD11	1:A:88:LEU:HB2	20	1.38
(1,817)	1:A:60:LEU:HD11	1:B:88:LEU:HB2	20	1.38
(1,817)	1:B:60:LEU:HD11	1:A:88:LEU:HB2	20	1.38
(1,817)	1:B:60:LEU:HD11	1:B:88:LEU:HB2	20	1.38
(1,817)	1:B:60:LEU:HD12	1:A:88:LEU:HB2	20	1.38
(1,817)	1:B:60:LEU:HD12	1:B:88:LEU:HB2	20	1.38
(1,817)	1:B:60:LEU:HD13	1:A:88:LEU:HB2	20	1.38
(1,817)	1:B:60:LEU:HD13	1:B:88:LEU:HB2	20	1.38
(1,817)	1:B:60:LEU:HD21	1:A:88:LEU:HB2	20	1.38
(1,817)	1:B:60:LEU:HD21	1:B:88:LEU:HB2	20	1.38
(1,817)	1:B:60:LEU:HD22	1:A:88:LEU:HB2	20	1.38
(1,817)	1:B:60:LEU:HD22	1:B:88:LEU:HB2	20	1.38
(1,817)	1:B:60:LEU:HD23	1:A:88:LEU:HB2	20	1.38
(1,817)	1:B:60:LEU:HD23	1:B:88:LEU:HB2	20	1.38
(1,816)	1:A:60:LEU:HD11	1:A:86:LYS:H	14	1.38
(1,816)	1:A:60:LEU:HD11	1:B:86:LYS:H	14	1.38
(1,816)	1:B:60:LEU:HD11	1:A:86:LYS:H	14	1.38
(1,816)	1:B:60:LEU:HD11	1:B:86:LYS:H	14	1.38
(1,816)	1:B:60:LEU:HD12	1:A:86:LYS:H	14	1.38
(1,816)	1:B:60:LEU:HD12	1:B:86:LYS:H	14	1.38
(1,816)	1:B:60:LEU:HD13	1:A:86:LYS:H	14	1.38
(1,816)	1:B:60:LEU:HD13	1:B:86:LYS:H	14	1.38
(1,816)	1:B:60:LEU:HD21	1:A:86:LYS:H	14	1.38
(1,816)	1:B:60:LEU:HD21	1:B:86:LYS:H	14	1.38
(1,816)	1:B:60:LEU:HD22	1:A:86:LYS:H	14	1.38
(1,816)	1:B:60:LEU:HD22	1:B:86:LYS:H	14	1.38
(1,816)	1:B:60:LEU:HD23	1:A:86:LYS:H	14	1.38
(1,816)	1:B:60:LEU:HD23	1:B:86:LYS:H	14	1.38
(1,815)	1:A:85:VAL:HA	1:A:60:LEU:HD11	9	1.38
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD11	9	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD12	9	1.38
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD13	9	1.38
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD21	9	1.38
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD22	9	1.38
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD23	9	1.38
(1,815)	1:B:85:VAL:HA	1:A:60:LEU:HD11	9	1.38
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD11	9	1.38
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD12	9	1.38
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD13	9	1.38
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD21	9	1.38
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD22	9	1.38
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD23	9	1.38
(1,764)	1:A:86:LYS:HG2	1:A:90:ASN:H	7	1.38
(1,764)	1:A:86:LYS:HG2	1:B:90:ASN:H	7	1.38
(1,764)	1:B:86:LYS:HG2	1:A:90:ASN:H	7	1.38
(1,764)	1:B:86:LYS:HG2	1:B:90:ASN:H	7	1.38
(1,746)	1:A:87:HIS:HD1	1:A:92:GLN:H	18	1.38
(1,746)	1:A:87:HIS:HD1	1:B:92:GLN:H	18	1.38
(1,746)	1:B:87:HIS:HD1	1:A:92:GLN:H	18	1.38
(1,746)	1:B:87:HIS:HD1	1:B:92:GLN:H	18	1.38
(1,431)	1:A:71:ARG:HG2	1:A:75:LEU:HA	14	1.38
(1,431)	1:A:71:ARG:HG2	1:B:75:LEU:HA	14	1.38
(1,431)	1:B:71:ARG:HG2	1:A:75:LEU:HA	14	1.38
(1,431)	1:B:71:ARG:HG2	1:B:75:LEU:HA	14	1.38
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB2	16	1.37
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB3	16	1.37
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB2	16	1.37
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB3	16	1.37
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB2	16	1.37
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB3	16	1.37
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB2	16	1.37
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB3	16	1.37
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD21	8	1.37
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD22	8	1.37
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD21	8	1.37
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD22	8	1.37
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD21	8	1.37
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD22	8	1.37
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD21	8	1.37
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD22	8	1.37
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD21	8	1.37
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD22	8	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD21	8	1.37
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD22	8	1.37
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD21	8	1.37
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD22	8	1.37
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD21	8	1.37
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD22	8	1.37
(1,764)	1:A:86:LYS:HG2	1:A:90:ASN:H	9	1.37
(1,764)	1:A:86:LYS:HG2	1:B:90:ASN:H	9	1.37
(1,764)	1:B:86:LYS:HG2	1:A:90:ASN:H	9	1.37
(1,764)	1:B:86:LYS:HG2	1:B:90:ASN:H	9	1.37
(1,747)	1:A:87:HIS:HD2	1:A:92:GLN:H	8	1.37
(1,747)	1:A:87:HIS:HD2	1:B:92:GLN:H	8	1.37
(1,747)	1:B:87:HIS:HD2	1:A:92:GLN:H	8	1.37
(1,747)	1:B:87:HIS:HD2	1:B:92:GLN:H	8	1.37
(1,65)	1:A:56:GLN:HG2	1:A:82:GLU:H	14	1.37
(1,65)	1:A:56:GLN:HG2	1:B:82:GLU:H	14	1.37
(1,65)	1:B:56:GLN:HG2	1:A:82:GLU:H	14	1.37
(1,65)	1:B:56:GLN:HG2	1:B:82:GLU:H	14	1.37
(1,832)	1:A:87:HIS:HD1	1:A:91:LEU:HA	4	1.36
(1,832)	1:A:87:HIS:HD1	1:B:91:LEU:HA	4	1.36
(1,832)	1:A:87:HIS:HD2	1:A:91:LEU:HA	4	1.36
(1,832)	1:A:87:HIS:HD2	1:B:91:LEU:HA	4	1.36
(1,832)	1:B:87:HIS:HD1	1:A:91:LEU:HA	4	1.36
(1,832)	1:B:87:HIS:HD1	1:B:91:LEU:HA	4	1.36
(1,832)	1:B:87:HIS:HD2	1:A:91:LEU:HA	4	1.36
(1,832)	1:B:87:HIS:HD2	1:B:91:LEU:HA	4	1.36
(1,832)	1:A:87:HIS:HD1	1:A:91:LEU:HA	5	1.36
(1,832)	1:A:87:HIS:HD1	1:B:91:LEU:HA	5	1.36
(1,832)	1:A:87:HIS:HD2	1:A:91:LEU:HA	5	1.36
(1,832)	1:A:87:HIS:HD2	1:B:91:LEU:HA	5	1.36
(1,832)	1:B:87:HIS:HD1	1:A:91:LEU:HA	5	1.36
(1,832)	1:B:87:HIS:HD1	1:B:91:LEU:HA	5	1.36
(1,832)	1:B:87:HIS:HD2	1:A:91:LEU:HA	5	1.36
(1,832)	1:B:87:HIS:HD2	1:B:91:LEU:HA	5	1.36
(1,769)	1:A:50:ILE:HG21	1:A:79:ASP:H	13	1.36
(1,769)	1:A:50:ILE:HG21	1:B:79:ASP:H	13	1.36
(1,769)	1:B:50:ILE:HG21	1:A:79:ASP:H	13	1.36
(1,769)	1:B:50:ILE:HG21	1:B:79:ASP:H	13	1.36
(1,769)	1:B:50:ILE:HG22	1:A:79:ASP:H	13	1.36
(1,769)	1:B:50:ILE:HG22	1:B:79:ASP:H	13	1.36
(1,769)	1:B:50:ILE:HG23	1:A:79:ASP:H	13	1.36
(1,769)	1:B:50:ILE:HG23	1:B:79:ASP:H	13	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,764)	1:A:86:LYS:HG2	1:A:90:ASN:H	1	1.36
(1,764)	1:A:86:LYS:HG2	1:B:90:ASN:H	1	1.36
(1,764)	1:B:86:LYS:HG2	1:A:90:ASN:H	1	1.36
(1,764)	1:B:86:LYS:HG2	1:B:90:ASN:H	1	1.36
(1,764)	1:A:86:LYS:HG2	1:A:90:ASN:H	14	1.36
(1,764)	1:A:86:LYS:HG2	1:B:90:ASN:H	14	1.36
(1,764)	1:B:86:LYS:HG2	1:A:90:ASN:H	14	1.36
(1,764)	1:B:86:LYS:HG2	1:B:90:ASN:H	14	1.36
(1,764)	1:A:86:LYS:HG2	1:A:90:ASN:H	19	1.36
(1,764)	1:A:86:LYS:HG2	1:B:90:ASN:H	19	1.36
(1,764)	1:B:86:LYS:HG2	1:A:90:ASN:H	19	1.36
(1,764)	1:B:86:LYS:HG2	1:B:90:ASN:H	19	1.36
(1,744)	1:A:66:LYS:HD3	1:A:67:LYS:H	7	1.36
(1,744)	1:A:66:LYS:HD3	1:B:67:LYS:H	7	1.36
(1,744)	1:B:66:LYS:HD3	1:A:67:LYS:H	7	1.36
(1,744)	1:B:66:LYS:HD3	1:B:67:LYS:H	7	1.36
(1,65)	1:A:56:GLN:HG2	1:A:82:GLU:H	18	1.36
(1,65)	1:A:56:GLN:HG2	1:B:82:GLU:H	18	1.36
(1,65)	1:B:56:GLN:HG2	1:A:82:GLU:H	18	1.36
(1,65)	1:B:56:GLN:HG2	1:B:82:GLU:H	18	1.36
(1,65)	1:A:56:GLN:HG2	1:A:82:GLU:H	20	1.36
(1,65)	1:A:56:GLN:HG2	1:B:82:GLU:H	20	1.36
(1,65)	1:B:56:GLN:HG2	1:A:82:GLU:H	20	1.36
(1,65)	1:B:56:GLN:HG2	1:B:82:GLU:H	20	1.36
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD21	15	1.33
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD22	15	1.33
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD21	15	1.33
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD22	15	1.33
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD21	15	1.33
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD22	15	1.33
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD21	15	1.33
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD22	15	1.33
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD21	15	1.33
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD22	15	1.33
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD21	15	1.33
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD22	15	1.33
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD21	15	1.33
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD22	15	1.33
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD21	15	1.33
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD22	15	1.33
(1,832)	1:A:87:HIS:HD1	1:A:91:LEU:HA	8	1.33
(1,832)	1:A:87:HIS:HD1	1:B:91:LEU:HA	8	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:A:87:HIS:HD2	1:A:91:LEU:HA	8	1.33
(1,832)	1:A:87:HIS:HD2	1:B:91:LEU:HA	8	1.33
(1,832)	1:B:87:HIS:HD1	1:A:91:LEU:HA	8	1.33
(1,832)	1:B:87:HIS:HD1	1:B:91:LEU:HA	8	1.33
(1,832)	1:B:87:HIS:HD2	1:A:91:LEU:HA	8	1.33
(1,832)	1:B:87:HIS:HD2	1:B:91:LEU:HA	8	1.33
(1,832)	1:A:87:HIS:HD1	1:A:91:LEU:HA	10	1.33
(1,832)	1:A:87:HIS:HD1	1:B:91:LEU:HA	10	1.33
(1,832)	1:A:87:HIS:HD2	1:A:91:LEU:HA	10	1.33
(1,832)	1:A:87:HIS:HD2	1:B:91:LEU:HA	10	1.33
(1,832)	1:B:87:HIS:HD1	1:A:91:LEU:HA	10	1.33
(1,832)	1:B:87:HIS:HD1	1:B:91:LEU:HA	10	1.33
(1,832)	1:B:87:HIS:HD2	1:A:91:LEU:HA	10	1.33
(1,832)	1:B:87:HIS:HD2	1:B:91:LEU:HA	10	1.33
(1,764)	1:A:86:LYS:HG2	1:A:90:ASN:H	6	1.33
(1,764)	1:A:86:LYS:HG2	1:B:90:ASN:H	6	1.33
(1,764)	1:B:86:LYS:HG2	1:A:90:ASN:H	6	1.33
(1,764)	1:B:86:LYS:HG2	1:B:90:ASN:H	6	1.33
(1,747)	1:A:87:HIS:HD2	1:A:92:GLN:H	4	1.33
(1,747)	1:A:87:HIS:HD2	1:B:92:GLN:H	4	1.33
(1,747)	1:B:87:HIS:HD2	1:A:92:GLN:H	4	1.33
(1,747)	1:B:87:HIS:HD2	1:B:92:GLN:H	4	1.33
(1,647)	1:A:90:ASN:HB2	1:A:65:LEU:HD11	10	1.33
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD11	10	1.33
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD12	10	1.33
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD13	10	1.33
(1,647)	1:A:90:ASN:HB3	1:A:65:LEU:HD11	10	1.33
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD11	10	1.33
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD12	10	1.33
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD13	10	1.33
(1,647)	1:B:90:ASN:HB2	1:A:65:LEU:HD11	10	1.33
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD11	10	1.33
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD12	10	1.33
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD13	10	1.33
(1,647)	1:B:90:ASN:HB3	1:A:65:LEU:HD11	10	1.33
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD11	10	1.33
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD12	10	1.33
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD13	10	1.33
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	20	1.33
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	20	1.33
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	20	1.33
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	20	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	20	1.33
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	20	1.33
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	20	1.33
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	20	1.33
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	20	1.33
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	20	1.33
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	20	1.33
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	20	1.33
(1,370)	1:A:66:LYS:HA	1:A:69:SER:H	17	1.33
(1,370)	1:A:66:LYS:HA	1:B:69:SER:H	17	1.33
(1,370)	1:B:66:LYS:HA	1:A:69:SER:H	17	1.33
(1,370)	1:B:66:LYS:HA	1:B:69:SER:H	17	1.33
(1,835)	1:A:87:HIS:HD1	1:A:67:LYS:HD2	3	1.32
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD2	3	1.32
(1,835)	1:A:87:HIS:HD1	1:B:67:LYS:HD3	3	1.32
(1,835)	1:A:87:HIS:HD2	1:A:67:LYS:HD2	3	1.32
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD2	3	1.32
(1,835)	1:A:87:HIS:HD2	1:B:67:LYS:HD3	3	1.32
(1,835)	1:B:87:HIS:HD1	1:A:67:LYS:HD2	3	1.32
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD2	3	1.32
(1,835)	1:B:87:HIS:HD1	1:B:67:LYS:HD3	3	1.32
(1,835)	1:B:87:HIS:HD2	1:A:67:LYS:HD2	3	1.32
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD2	3	1.32
(1,835)	1:B:87:HIS:HD2	1:B:67:LYS:HD3	3	1.32
(1,817)	1:A:60:LEU:HD11	1:A:88:LEU:HB2	13	1.32
(1,817)	1:A:60:LEU:HD11	1:B:88:LEU:HB2	13	1.32
(1,817)	1:B:60:LEU:HD11	1:A:88:LEU:HB2	13	1.32
(1,817)	1:B:60:LEU:HD11	1:B:88:LEU:HB2	13	1.32
(1,817)	1:B:60:LEU:HD12	1:A:88:LEU:HB2	13	1.32
(1,817)	1:B:60:LEU:HD12	1:B:88:LEU:HB2	13	1.32
(1,817)	1:B:60:LEU:HD13	1:A:88:LEU:HB2	13	1.32
(1,817)	1:B:60:LEU:HD13	1:B:88:LEU:HB2	13	1.32
(1,817)	1:B:60:LEU:HD21	1:A:88:LEU:HB2	13	1.32
(1,817)	1:B:60:LEU:HD21	1:B:88:LEU:HB2	13	1.32
(1,817)	1:B:60:LEU:HD22	1:A:88:LEU:HB2	13	1.32
(1,817)	1:B:60:LEU:HD22	1:B:88:LEU:HB2	13	1.32
(1,817)	1:B:60:LEU:HD23	1:A:88:LEU:HB2	13	1.32
(1,817)	1:B:60:LEU:HD23	1:B:88:LEU:HB2	13	1.32
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB2	3	1.31
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB3	3	1.31
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB2	3	1.31
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB3	3	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB2	3	1.31
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB3	3	1.31
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB2	3	1.31
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB3	3	1.31
(1,769)	1:A:50:ILE:HG21	1:A:79:ASP:H	16	1.31
(1,769)	1:A:50:ILE:HG21	1:B:79:ASP:H	16	1.31
(1,769)	1:B:50:ILE:HG21	1:A:79:ASP:H	16	1.31
(1,769)	1:B:50:ILE:HG21	1:B:79:ASP:H	16	1.31
(1,769)	1:B:50:ILE:HG22	1:A:79:ASP:H	16	1.31
(1,769)	1:B:50:ILE:HG22	1:B:79:ASP:H	16	1.31
(1,769)	1:B:50:ILE:HG23	1:A:79:ASP:H	16	1.31
(1,769)	1:B:50:ILE:HG23	1:B:79:ASP:H	16	1.31
(1,764)	1:A:86:LYS:HG2	1:A:90:ASN:H	2	1.31
(1,764)	1:A:86:LYS:HG2	1:B:90:ASN:H	2	1.31
(1,764)	1:B:86:LYS:HG2	1:A:90:ASN:H	2	1.31
(1,764)	1:B:86:LYS:HG2	1:B:90:ASN:H	2	1.31
(1,65)	1:A:56:GLN:HG2	1:A:82:GLU:H	2	1.31
(1,65)	1:A:56:GLN:HG2	1:B:82:GLU:H	2	1.31
(1,65)	1:B:56:GLN:HG2	1:A:82:GLU:H	2	1.31
(1,65)	1:B:56:GLN:HG2	1:B:82:GLU:H	2	1.31
(1,65)	1:A:56:GLN:HG2	1:A:82:GLU:H	3	1.31
(1,65)	1:A:56:GLN:HG2	1:B:82:GLU:H	3	1.31
(1,65)	1:B:56:GLN:HG2	1:A:82:GLU:H	3	1.31
(1,65)	1:B:56:GLN:HG2	1:B:82:GLU:H	3	1.31
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB2	20	1.3
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB3	20	1.3
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB2	20	1.3
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB3	20	1.3
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB2	20	1.3
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB3	20	1.3
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB2	20	1.3
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB3	20	1.3
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG2	15	1.3
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG3	15	1.3
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG2	15	1.3
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG3	15	1.3
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG2	15	1.3
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG3	15	1.3
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG2	15	1.3
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG3	15	1.3
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG2	15	1.3
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG3	15	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG2	15	1.3
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG3	15	1.3
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG2	15	1.3
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG3	15	1.3
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG2	15	1.3
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG3	15	1.3
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD21	6	1.3
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD22	6	1.3
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD21	6	1.3
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD22	6	1.3
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD21	6	1.3
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD22	6	1.3
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD21	6	1.3
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD22	6	1.3
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD21	6	1.3
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD22	6	1.3
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD21	6	1.3
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD22	6	1.3
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD21	6	1.3
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD22	6	1.3
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD21	6	1.3
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD22	6	1.3
(1,769)	1:A:50:ILE:HG21	1:A:79:ASP:H	9	1.3
(1,769)	1:A:50:ILE:HG21	1:B:79:ASP:H	9	1.3
(1,769)	1:B:50:ILE:HG21	1:A:79:ASP:H	9	1.3
(1,769)	1:B:50:ILE:HG21	1:B:79:ASP:H	9	1.3
(1,769)	1:B:50:ILE:HG22	1:A:79:ASP:H	9	1.3
(1,769)	1:B:50:ILE:HG22	1:B:79:ASP:H	9	1.3
(1,769)	1:B:50:ILE:HG23	1:A:79:ASP:H	9	1.3
(1,769)	1:B:50:ILE:HG23	1:B:79:ASP:H	9	1.3
(1,746)	1:A:87:HIS:HD1	1:A:92:GLN:H	8	1.3
(1,746)	1:A:87:HIS:HD1	1:B:92:GLN:H	8	1.3
(1,746)	1:B:87:HIS:HD1	1:A:92:GLN:H	8	1.3
(1,746)	1:B:87:HIS:HD1	1:B:92:GLN:H	8	1.3
(1,669)	1:A:88:LEU:HB3	1:A:91:LEU:HG	20	1.3
(1,669)	1:A:88:LEU:HB3	1:B:91:LEU:HG	20	1.3
(1,669)	1:B:88:LEU:HB3	1:A:91:LEU:HG	20	1.3
(1,669)	1:B:88:LEU:HB3	1:B:91:LEU:HG	20	1.3
(1,450)	1:A:56:GLN:HG3	1:A:84:THR:HB	10	1.3
(1,450)	1:A:56:GLN:HG3	1:B:84:THR:HB	10	1.3
(1,450)	1:B:56:GLN:HG3	1:A:84:THR:HB	10	1.3
(1,450)	1:B:56:GLN:HG3	1:B:84:THR:HB	10	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD21	11	1.29
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD22	11	1.29
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD21	11	1.29
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD22	11	1.29
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD21	11	1.29
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD22	11	1.29
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD21	11	1.29
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD22	11	1.29
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD21	11	1.29
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD22	11	1.29
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD21	11	1.29
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD22	11	1.29
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD21	11	1.29
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD22	11	1.29
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD21	11	1.29
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD22	11	1.29
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD21	16	1.29
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD22	16	1.29
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD21	16	1.29
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD22	16	1.29
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD21	16	1.29
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD22	16	1.29
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD21	16	1.29
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD22	16	1.29
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD21	16	1.29
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD22	16	1.29
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD21	16	1.29
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD22	16	1.29
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD21	16	1.29
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD22	16	1.29
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD21	16	1.29
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD22	16	1.29
(1,764)	1:A:86:LYS:HG2	1:A:90:ASN:H	17	1.29
(1,764)	1:A:86:LYS:HG2	1:B:90:ASN:H	17	1.29
(1,764)	1:B:86:LYS:HG2	1:A:90:ASN:H	17	1.29
(1,764)	1:B:86:LYS:HG2	1:B:90:ASN:H	17	1.29
(1,747)	1:A:87:HIS:HD2	1:A:92:GLN:H	9	1.29
(1,747)	1:A:87:HIS:HD2	1:B:92:GLN:H	9	1.29
(1,747)	1:B:87:HIS:HD2	1:A:92:GLN:H	9	1.29
(1,747)	1:B:87:HIS:HD2	1:B:92:GLN:H	9	1.29
(1,65)	1:A:56:GLN:HG2	1:A:82:GLU:H	8	1.29
(1,65)	1:A:56:GLN:HG2	1:B:82:GLU:H	8	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,65)	1:B:56:GLN:HG2	1:A:82:GLU:H	8	1.29
(1,65)	1:B:56:GLN:HG2	1:B:82:GLU:H	8	1.29
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE21	9	1.29
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE22	9	1.29
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE21	9	1.29
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE22	9	1.29
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE21	9	1.29
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE22	9	1.29
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE21	9	1.29
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE22	9	1.29
(1,431)	1:A:71:ARG:HG2	1:A:75:LEU:HA	13	1.29
(1,431)	1:A:71:ARG:HG2	1:B:75:LEU:HA	13	1.29
(1,431)	1:B:71:ARG:HG2	1:A:75:LEU:HA	13	1.29
(1,431)	1:B:71:ARG:HG2	1:B:75:LEU:HA	13	1.29
(1,420)	1:A:87:HIS:HD2	1:A:91:LEU:HA	1	1.29
(1,420)	1:A:87:HIS:HD2	1:B:91:LEU:HA	1	1.29
(1,420)	1:B:87:HIS:HD2	1:A:91:LEU:HA	1	1.29
(1,420)	1:B:87:HIS:HD2	1:B:91:LEU:HA	1	1.29
(1,270)	1:A:79:ASP:H	1:A:54:LEU:HD21	3	1.29
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD21	3	1.29
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD22	3	1.29
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD23	3	1.29
(1,270)	1:B:79:ASP:H	1:A:54:LEU:HD21	3	1.29
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD21	3	1.29
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD22	3	1.29
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD23	3	1.29
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD21	9	1.28
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD22	9	1.28
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD21	9	1.28
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD22	9	1.28
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD21	9	1.28
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD22	9	1.28
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD21	9	1.28
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD22	9	1.28
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD21	9	1.28
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD22	9	1.28
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD21	9	1.28
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD22	9	1.28
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD21	9	1.28
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD22	9	1.28
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD21	9	1.28
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD22	9	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,817)	1:A:60:LEU:HD11	1:A:88:LEU:HB2	3	1.28
(1,817)	1:A:60:LEU:HD11	1:B:88:LEU:HB2	3	1.28
(1,817)	1:B:60:LEU:HD11	1:A:88:LEU:HB2	3	1.28
(1,817)	1:B:60:LEU:HD11	1:B:88:LEU:HB2	3	1.28
(1,817)	1:B:60:LEU:HD12	1:A:88:LEU:HB2	3	1.28
(1,817)	1:B:60:LEU:HD12	1:B:88:LEU:HB2	3	1.28
(1,817)	1:B:60:LEU:HD13	1:A:88:LEU:HB2	3	1.28
(1,817)	1:B:60:LEU:HD13	1:B:88:LEU:HB2	3	1.28
(1,817)	1:B:60:LEU:HD21	1:A:88:LEU:HB2	3	1.28
(1,817)	1:B:60:LEU:HD21	1:B:88:LEU:HB2	3	1.28
(1,817)	1:B:60:LEU:HD22	1:A:88:LEU:HB2	3	1.28
(1,817)	1:B:60:LEU:HD22	1:B:88:LEU:HB2	3	1.28
(1,817)	1:B:60:LEU:HD23	1:A:88:LEU:HB2	3	1.28
(1,817)	1:B:60:LEU:HD23	1:B:88:LEU:HB2	3	1.28
(1,747)	1:A:87:HIS:HD2	1:A:92:GLN:H	1	1.28
(1,747)	1:A:87:HIS:HD2	1:B:92:GLN:H	1	1.28
(1,747)	1:B:87:HIS:HD2	1:A:92:GLN:H	1	1.28
(1,747)	1:B:87:HIS:HD2	1:B:92:GLN:H	1	1.28
(1,65)	1:A:56:GLN:HG2	1:A:82:GLU:H	12	1.28
(1,65)	1:A:56:GLN:HG2	1:B:82:GLU:H	12	1.28
(1,65)	1:B:56:GLN:HG2	1:A:82:GLU:H	12	1.28
(1,65)	1:B:56:GLN:HG2	1:B:82:GLU:H	12	1.28
(1,431)	1:A:71:ARG:HG2	1:A:75:LEU:HA	17	1.28
(1,431)	1:A:71:ARG:HG2	1:B:75:LEU:HA	17	1.28
(1,431)	1:B:71:ARG:HG2	1:A:75:LEU:HA	17	1.28
(1,431)	1:B:71:ARG:HG2	1:B:75:LEU:HA	17	1.28
(1,747)	1:A:87:HIS:HD2	1:A:92:GLN:H	16	1.27
(1,747)	1:A:87:HIS:HD2	1:B:92:GLN:H	16	1.27
(1,747)	1:B:87:HIS:HD2	1:A:92:GLN:H	16	1.27
(1,747)	1:B:87:HIS:HD2	1:B:92:GLN:H	16	1.27
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG2	1	1.27
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG3	1	1.27
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG2	1	1.27
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG3	1	1.27
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG2	1	1.27
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG3	1	1.27
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG2	1	1.27
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG3	1	1.27
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG2	2	1.27
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG3	2	1.27
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG2	2	1.27
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG3	2	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG2	2	1.27
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG3	2	1.27
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG2	2	1.27
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG3	2	1.27
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	16	1.26
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	16	1.26
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	16	1.26
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	16	1.26
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	16	1.26
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	16	1.26
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	16	1.26
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	16	1.26
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	16	1.26
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	16	1.26
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	16	1.26
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	16	1.26
(1,41)	1:A:67:LYS:HG2	1:A:69:SER:H	13	1.26
(1,41)	1:A:67:LYS:HG2	1:B:69:SER:H	13	1.26
(1,41)	1:A:67:LYS:HG3	1:A:69:SER:H	13	1.26
(1,41)	1:A:67:LYS:HG3	1:B:69:SER:H	13	1.26
(1,41)	1:B:67:LYS:HG2	1:A:69:SER:H	13	1.26
(1,41)	1:B:67:LYS:HG2	1:B:69:SER:H	13	1.26
(1,41)	1:B:67:LYS:HG3	1:A:69:SER:H	13	1.26
(1,41)	1:B:67:LYS:HG3	1:B:69:SER:H	13	1.26
(1,270)	1:A:79:ASP:H	1:A:54:LEU:HD21	8	1.26
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD21	8	1.26
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD22	8	1.26
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD23	8	1.26
(1,270)	1:B:79:ASP:H	1:A:54:LEU:HD21	8	1.26
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD21	8	1.26
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD22	8	1.26
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD23	8	1.26
(1,815)	1:A:85:VAL:HA	1:A:60:LEU:HD11	5	1.25
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD11	5	1.25
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD12	5	1.25
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD13	5	1.25
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD21	5	1.25
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD22	5	1.25
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD23	5	1.25
(1,815)	1:B:85:VAL:HA	1:A:60:LEU:HD11	5	1.25
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD11	5	1.25
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD12	5	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD13	5	1.25
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD21	5	1.25
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD22	5	1.25
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD23	5	1.25
(1,647)	1:A:90:ASN:HB2	1:A:65:LEU:HD11	4	1.25
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD11	4	1.25
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD12	4	1.25
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD13	4	1.25
(1,647)	1:A:90:ASN:HB3	1:A:65:LEU:HD11	4	1.25
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD11	4	1.25
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD12	4	1.25
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD13	4	1.25
(1,647)	1:B:90:ASN:HB2	1:A:65:LEU:HD11	4	1.25
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD11	4	1.25
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD12	4	1.25
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD13	4	1.25
(1,647)	1:B:90:ASN:HB3	1:A:65:LEU:HD11	4	1.25
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD11	4	1.25
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD12	4	1.25
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD13	4	1.25
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG2	3	1.25
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG3	3	1.25
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG2	3	1.25
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG3	3	1.25
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG2	3	1.25
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG3	3	1.25
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG2	3	1.25
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG3	3	1.25
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG2	10	1.25
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG3	10	1.25
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG2	10	1.25
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG3	10	1.25
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG2	10	1.25
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG3	10	1.25
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG2	10	1.25
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG3	10	1.25
(1,450)	1:A:56:GLN:HG3	1:A:84:THR:HB	5	1.25
(1,450)	1:A:56:GLN:HG3	1:B:84:THR:HB	5	1.25
(1,450)	1:B:56:GLN:HG3	1:A:84:THR:HB	5	1.25
(1,450)	1:B:56:GLN:HG3	1:B:84:THR:HB	5	1.25
(1,450)	1:A:56:GLN:HG3	1:A:84:THR:HB	16	1.25
(1,450)	1:A:56:GLN:HG3	1:B:84:THR:HB	16	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,450)	1:B:56:GLN:HG3	1:A:84:THR:HB	16	1.25
(1,450)	1:B:56:GLN:HG3	1:B:84:THR:HB	16	1.25
(1,41)	1:A:67:LYS:HG2	1:A:69:SER:H	11	1.25
(1,41)	1:A:67:LYS:HG2	1:B:69:SER:H	11	1.25
(1,41)	1:A:67:LYS:HG3	1:A:69:SER:H	11	1.25
(1,41)	1:A:67:LYS:HG3	1:B:69:SER:H	11	1.25
(1,41)	1:B:67:LYS:HG2	1:A:69:SER:H	11	1.25
(1,41)	1:B:67:LYS:HG2	1:B:69:SER:H	11	1.25
(1,41)	1:B:67:LYS:HG3	1:A:69:SER:H	11	1.25
(1,41)	1:B:67:LYS:HG3	1:B:69:SER:H	11	1.25
(1,270)	1:A:79:ASP:H	1:A:54:LEU:HD21	14	1.25
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD21	14	1.25
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD22	14	1.25
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD23	14	1.25
(1,270)	1:B:79:ASP:H	1:A:54:LEU:HD21	14	1.25
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD21	14	1.25
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD22	14	1.25
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD23	14	1.25
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD21	3	1.24
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD22	3	1.24
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD21	3	1.24
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD22	3	1.24
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD21	3	1.24
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD22	3	1.24
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD21	3	1.24
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD22	3	1.24
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD21	3	1.24
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD22	3	1.24
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD21	3	1.24
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD22	3	1.24
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD21	3	1.24
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD22	3	1.24
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD21	3	1.24
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD22	3	1.24
(1,789)	1:A:66:LYS:HA	1:A:69:SER:HG	5	1.24
(1,789)	1:A:66:LYS:HA	1:B:69:SER:HG	5	1.24
(1,789)	1:B:66:LYS:HA	1:A:69:SER:HG	5	1.24
(1,789)	1:B:66:LYS:HA	1:B:69:SER:HG	5	1.24
(1,747)	1:A:87:HIS:HD2	1:A:92:GLN:H	5	1.24
(1,747)	1:A:87:HIS:HD2	1:B:92:GLN:H	5	1.24
(1,747)	1:B:87:HIS:HD2	1:A:92:GLN:H	5	1.24
(1,747)	1:B:87:HIS:HD2	1:B:92:GLN:H	5	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,700)	1:A:87:HIS:HD1	1:A:91:LEU:HA	3	1.24
(1,700)	1:A:87:HIS:HD1	1:B:91:LEU:HA	3	1.24
(1,700)	1:B:87:HIS:HD1	1:A:91:LEU:HA	3	1.24
(1,700)	1:B:87:HIS:HD1	1:B:91:LEU:HA	3	1.24
(1,65)	1:A:56:GLN:HG2	1:A:82:GLU:H	9	1.24
(1,65)	1:A:56:GLN:HG2	1:B:82:GLU:H	9	1.24
(1,65)	1:B:56:GLN:HG2	1:A:82:GLU:H	9	1.24
(1,65)	1:B:56:GLN:HG2	1:B:82:GLU:H	9	1.24
(1,431)	1:A:71:ARG:HG2	1:A:75:LEU:HA	2	1.24
(1,431)	1:A:71:ARG:HG2	1:B:75:LEU:HA	2	1.24
(1,431)	1:B:71:ARG:HG2	1:A:75:LEU:HA	2	1.24
(1,431)	1:B:71:ARG:HG2	1:B:75:LEU:HA	2	1.24
(1,936)	1:A:75:LEU:H	1:A:71:ARG:O	16	1.23
(1,936)	1:A:75:LEU:H	1:B:71:ARG:O	16	1.23
(1,936)	1:B:75:LEU:H	1:A:71:ARG:O	16	1.23
(1,936)	1:B:75:LEU:H	1:B:71:ARG:O	16	1.23
(1,832)	1:A:87:HIS:HD1	1:A:91:LEU:HA	6	1.23
(1,832)	1:A:87:HIS:HD1	1:B:91:LEU:HA	6	1.23
(1,832)	1:A:87:HIS:HD2	1:A:91:LEU:HA	6	1.23
(1,832)	1:A:87:HIS:HD2	1:B:91:LEU:HA	6	1.23
(1,832)	1:B:87:HIS:HD1	1:A:91:LEU:HA	6	1.23
(1,832)	1:B:87:HIS:HD1	1:B:91:LEU:HA	6	1.23
(1,832)	1:B:87:HIS:HD2	1:A:91:LEU:HA	6	1.23
(1,832)	1:B:87:HIS:HD2	1:B:91:LEU:HA	6	1.23
(1,789)	1:A:66:LYS:HA	1:A:69:SER:HG	16	1.23
(1,789)	1:A:66:LYS:HA	1:B:69:SER:HG	16	1.23
(1,789)	1:B:66:LYS:HA	1:A:69:SER:HG	16	1.23
(1,789)	1:B:66:LYS:HA	1:B:69:SER:HG	16	1.23
(1,747)	1:A:87:HIS:HD2	1:A:92:GLN:H	7	1.23
(1,747)	1:A:87:HIS:HD2	1:B:92:GLN:H	7	1.23
(1,747)	1:B:87:HIS:HD2	1:A:92:GLN:H	7	1.23
(1,747)	1:B:87:HIS:HD2	1:B:92:GLN:H	7	1.23
(1,669)	1:A:88:LEU:HB3	1:A:91:LEU:HG	3	1.23
(1,669)	1:A:88:LEU:HB3	1:B:91:LEU:HG	3	1.23
(1,669)	1:B:88:LEU:HB3	1:A:91:LEU:HG	3	1.23
(1,669)	1:B:88:LEU:HB3	1:B:91:LEU:HG	3	1.23
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG2	12	1.23
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG3	12	1.23
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG2	12	1.23
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG3	12	1.23
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG2	12	1.23
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG3	12	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG2	12	1.23
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG3	12	1.23
(1,458)	1:A:76:GLU:HB3	1:A:80:ILE:HB	10	1.23
(1,458)	1:A:76:GLU:HB3	1:B:80:ILE:HB	10	1.23
(1,458)	1:B:76:GLU:HB3	1:A:80:ILE:HB	10	1.23
(1,458)	1:B:76:GLU:HB3	1:B:80:ILE:HB	10	1.23
(1,270)	1:A:79:ASP:H	1:A:54:LEU:HD21	12	1.23
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD21	12	1.23
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD22	12	1.23
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD23	12	1.23
(1,270)	1:B:79:ASP:H	1:A:54:LEU:HD21	12	1.23
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD21	12	1.23
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD22	12	1.23
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD23	12	1.23
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD11	20	1.22
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD12	20	1.22
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD13	20	1.22
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD11	20	1.22
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD12	20	1.22
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD13	20	1.22
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD11	20	1.22
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD12	20	1.22
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD13	20	1.22
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD11	20	1.22
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD12	20	1.22
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD13	20	1.22
(1,669)	1:A:88:LEU:HB3	1:A:91:LEU:HG	5	1.22
(1,669)	1:A:88:LEU:HB3	1:B:91:LEU:HG	5	1.22
(1,669)	1:B:88:LEU:HB3	1:A:91:LEU:HG	5	1.22
(1,669)	1:B:88:LEU:HB3	1:B:91:LEU:HG	5	1.22
(1,450)	1:A:56:GLN:HG3	1:A:84:THR:HB	13	1.22
(1,450)	1:A:56:GLN:HG3	1:B:84:THR:HB	13	1.22
(1,450)	1:B:56:GLN:HG3	1:A:84:THR:HB	13	1.22
(1,450)	1:B:56:GLN:HG3	1:B:84:THR:HB	13	1.22
(1,41)	1:A:67:LYS:HG2	1:A:69:SER:H	15	1.22
(1,41)	1:A:67:LYS:HG2	1:B:69:SER:H	15	1.22
(1,41)	1:A:67:LYS:HG3	1:A:69:SER:H	15	1.22
(1,41)	1:A:67:LYS:HG3	1:B:69:SER:H	15	1.22
(1,41)	1:B:67:LYS:HG2	1:A:69:SER:H	15	1.22
(1,41)	1:B:67:LYS:HG2	1:B:69:SER:H	15	1.22
(1,41)	1:B:67:LYS:HG3	1:A:69:SER:H	15	1.22
(1,41)	1:B:67:LYS:HG3	1:B:69:SER:H	15	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,41)	1:A:67:LYS:HG2	1:A:69:SER:H	18	1.22
(1,41)	1:A:67:LYS:HG2	1:B:69:SER:H	18	1.22
(1,41)	1:A:67:LYS:HG3	1:A:69:SER:H	18	1.22
(1,41)	1:A:67:LYS:HG3	1:B:69:SER:H	18	1.22
(1,41)	1:B:67:LYS:HG2	1:A:69:SER:H	18	1.22
(1,41)	1:B:67:LYS:HG2	1:B:69:SER:H	18	1.22
(1,41)	1:B:67:LYS:HG3	1:A:69:SER:H	18	1.22
(1,41)	1:B:67:LYS:HG3	1:B:69:SER:H	18	1.22
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB2	9	1.21
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB3	9	1.21
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB2	9	1.21
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB3	9	1.21
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB2	9	1.21
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB3	9	1.21
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB2	9	1.21
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB3	9	1.21
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD21	2	1.21
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD22	2	1.21
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD21	2	1.21
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD22	2	1.21
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD21	2	1.21
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD22	2	1.21
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD21	2	1.21
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD22	2	1.21
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD21	2	1.21
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD22	2	1.21
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD21	2	1.21
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD22	2	1.21
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD21	2	1.21
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD22	2	1.21
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD21	2	1.21
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD22	2	1.21
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD21	4	1.21
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD22	4	1.21
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD21	4	1.21
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD22	4	1.21
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD21	4	1.21
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD22	4	1.21
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD21	4	1.21
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD22	4	1.21
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD21	4	1.21
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD22	4	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD21	4	1.21
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD22	4	1.21
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD21	4	1.21
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD22	4	1.21
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD21	4	1.21
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD22	4	1.21
(1,816)	1:A:60:LEU:HD11	1:A:86:LYS:H	6	1.21
(1,816)	1:A:60:LEU:HD11	1:B:86:LYS:H	6	1.21
(1,816)	1:B:60:LEU:HD11	1:A:86:LYS:H	6	1.21
(1,816)	1:B:60:LEU:HD11	1:B:86:LYS:H	6	1.21
(1,816)	1:B:60:LEU:HD12	1:A:86:LYS:H	6	1.21
(1,816)	1:B:60:LEU:HD12	1:B:86:LYS:H	6	1.21
(1,816)	1:B:60:LEU:HD13	1:A:86:LYS:H	6	1.21
(1,816)	1:B:60:LEU:HD13	1:B:86:LYS:H	6	1.21
(1,816)	1:B:60:LEU:HD21	1:A:86:LYS:H	6	1.21
(1,816)	1:B:60:LEU:HD21	1:B:86:LYS:H	6	1.21
(1,816)	1:B:60:LEU:HD22	1:A:86:LYS:H	6	1.21
(1,816)	1:B:60:LEU:HD22	1:B:86:LYS:H	6	1.21
(1,816)	1:B:60:LEU:HD23	1:A:86:LYS:H	6	1.21
(1,816)	1:B:60:LEU:HD23	1:B:86:LYS:H	6	1.21
(1,815)	1:A:85:VAL:HA	1:A:60:LEU:HD11	3	1.21
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD11	3	1.21
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD12	3	1.21
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD13	3	1.21
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD21	3	1.21
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD22	3	1.21
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD23	3	1.21
(1,815)	1:B:85:VAL:HA	1:A:60:LEU:HD11	3	1.21
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD11	3	1.21
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD12	3	1.21
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD13	3	1.21
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD21	3	1.21
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD22	3	1.21
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD23	3	1.21
(1,747)	1:A:87:HIS:HD2	1:A:92:GLN:H	2	1.21
(1,747)	1:A:87:HIS:HD2	1:B:92:GLN:H	2	1.21
(1,747)	1:B:87:HIS:HD2	1:A:92:GLN:H	2	1.21
(1,747)	1:B:87:HIS:HD2	1:B:92:GLN:H	2	1.21
(1,669)	1:A:88:LEU:HB3	1:A:91:LEU:HG	11	1.21
(1,669)	1:A:88:LEU:HB3	1:B:91:LEU:HG	11	1.21
(1,669)	1:B:88:LEU:HB3	1:A:91:LEU:HG	11	1.21
(1,669)	1:B:88:LEU:HB3	1:B:91:LEU:HG	11	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG21	4	1.21
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG22	4	1.21
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG23	4	1.21
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG21	4	1.21
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG22	4	1.21
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG23	4	1.21
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG21	4	1.21
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG22	4	1.21
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG23	4	1.21
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG21	4	1.21
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG22	4	1.21
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG23	4	1.21
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG21	4	1.21
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG22	4	1.21
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG23	4	1.21
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG21	4	1.21
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG22	4	1.21
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG23	4	1.21
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG21	4	1.21
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG22	4	1.21
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG23	4	1.21
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG21	4	1.21
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG22	4	1.21
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG23	4	1.21
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG21	4	1.21
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG22	4	1.21
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG23	4	1.21
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG21	4	1.21
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG22	4	1.21
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG23	4	1.21
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG21	4	1.21
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG22	4	1.21
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG23	4	1.21
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG21	4	1.21
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG22	4	1.21
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG23	4	1.21
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG2	13	1.21
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG3	13	1.21
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG2	13	1.21
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG3	13	1.21
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG2	13	1.21
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG3	13	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG2	13	1.21
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG3	13	1.21
(1,450)	1:A:56:GLN:HG3	1:A:84:THR:HB	11	1.21
(1,450)	1:A:56:GLN:HG3	1:B:84:THR:HB	11	1.21
(1,450)	1:B:56:GLN:HG3	1:A:84:THR:HB	11	1.21
(1,450)	1:B:56:GLN:HG3	1:B:84:THR:HB	11	1.21
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG2	1	1.2
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG3	1	1.2
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG2	1	1.2
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG3	1	1.2
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG2	1	1.2
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG3	1	1.2
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG2	1	1.2
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG3	1	1.2
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG2	1	1.2
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG3	1	1.2
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG2	1	1.2
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG3	1	1.2
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG2	1	1.2
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG3	1	1.2
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG2	1	1.2
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG3	1	1.2
(1,680)	1:A:66:LYS:HG2	1:A:67:LYS:HG3	9	1.2
(1,680)	1:A:66:LYS:HG2	1:B:67:LYS:HG3	9	1.2
(1,680)	1:B:66:LYS:HG2	1:A:67:LYS:HG3	9	1.2
(1,680)	1:B:66:LYS:HG2	1:B:67:LYS:HG3	9	1.2
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG2	8	1.2
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG3	8	1.2
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG2	8	1.2
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG3	8	1.2
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG2	8	1.2
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG3	8	1.2
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG2	8	1.2
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG3	8	1.2
(1,41)	1:A:67:LYS:HG2	1:A:69:SER:H	19	1.2
(1,41)	1:A:67:LYS:HG2	1:B:69:SER:H	19	1.2
(1,41)	1:A:67:LYS:HG3	1:A:69:SER:H	19	1.2
(1,41)	1:A:67:LYS:HG3	1:B:69:SER:H	19	1.2
(1,41)	1:B:67:LYS:HG2	1:A:69:SER:H	19	1.2
(1,41)	1:B:67:LYS:HG2	1:B:69:SER:H	19	1.2
(1,41)	1:B:67:LYS:HG3	1:A:69:SER:H	19	1.2
(1,41)	1:B:67:LYS:HG3	1:B:69:SER:H	19	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB2	1	1.19
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB3	1	1.19
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB2	1	1.19
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB3	1	1.19
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB2	1	1.19
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB3	1	1.19
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB2	1	1.19
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB3	1	1.19
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD21	13	1.19
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD22	13	1.19
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD21	13	1.19
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD22	13	1.19
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD21	13	1.19
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD22	13	1.19
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD21	13	1.19
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD22	13	1.19
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD21	13	1.19
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD22	13	1.19
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD21	13	1.19
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD22	13	1.19
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD21	13	1.19
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD22	13	1.19
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD21	13	1.19
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD22	13	1.19
(1,731)	1:A:86:LYS:HD3	1:A:87:HIS:HA	16	1.19
(1,731)	1:A:86:LYS:HD3	1:B:87:HIS:HA	16	1.19
(1,731)	1:B:86:LYS:HD3	1:A:87:HIS:HA	16	1.19
(1,731)	1:B:86:LYS:HD3	1:B:87:HIS:HA	16	1.19
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG2	16	1.19
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG3	16	1.19
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG2	16	1.19
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG3	16	1.19
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG2	16	1.19
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG3	16	1.19
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG2	16	1.19
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG3	16	1.19
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG2	18	1.19
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG3	18	1.19
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG2	18	1.19
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG3	18	1.19
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG2	18	1.19
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG3	18	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG2	18	1.19
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG3	18	1.19
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG2	20	1.19
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG3	20	1.19
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG2	20	1.19
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG3	20	1.19
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG2	20	1.19
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG3	20	1.19
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG2	20	1.19
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG3	20	1.19
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB2	19	1.18
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB3	19	1.18
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB2	19	1.18
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB3	19	1.18
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB2	19	1.18
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB3	19	1.18
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB2	19	1.18
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB3	19	1.18
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG2	11	1.18
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG3	11	1.18
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG2	11	1.18
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG3	11	1.18
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG2	11	1.18
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG3	11	1.18
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG2	11	1.18
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG3	11	1.18
(1,458)	1:A:76:GLU:HB3	1:A:80:ILE:HB	9	1.18
(1,458)	1:A:76:GLU:HB3	1:B:80:ILE:HB	9	1.18
(1,458)	1:B:76:GLU:HB3	1:A:80:ILE:HB	9	1.18
(1,458)	1:B:76:GLU:HB3	1:B:80:ILE:HB	9	1.18
(1,450)	1:A:56:GLN:HG3	1:A:84:THR:HB	17	1.18
(1,450)	1:A:56:GLN:HG3	1:B:84:THR:HB	17	1.18
(1,450)	1:B:56:GLN:HG3	1:A:84:THR:HB	17	1.18
(1,450)	1:B:56:GLN:HG3	1:B:84:THR:HB	17	1.18
(1,450)	1:A:56:GLN:HG3	1:A:84:THR:HB	20	1.18
(1,450)	1:A:56:GLN:HG3	1:B:84:THR:HB	20	1.18
(1,450)	1:B:56:GLN:HG3	1:A:84:THR:HB	20	1.18
(1,450)	1:B:56:GLN:HG3	1:B:84:THR:HB	20	1.18
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG21	3	1.18
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG22	3	1.18
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG23	3	1.18
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG21	3	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG22	3	1.18
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG23	3	1.18
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG21	3	1.18
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG22	3	1.18
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG23	3	1.18
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG21	3	1.18
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG22	3	1.18
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG23	3	1.18
(1,41)	1:A:67:LYS:HG2	1:A:69:SER:H	20	1.18
(1,41)	1:A:67:LYS:HG2	1:B:69:SER:H	20	1.18
(1,41)	1:A:67:LYS:HG3	1:A:69:SER:H	20	1.18
(1,41)	1:A:67:LYS:HG3	1:B:69:SER:H	20	1.18
(1,41)	1:B:67:LYS:HG2	1:A:69:SER:H	20	1.18
(1,41)	1:B:67:LYS:HG2	1:B:69:SER:H	20	1.18
(1,41)	1:B:67:LYS:HG3	1:A:69:SER:H	20	1.18
(1,41)	1:B:67:LYS:HG3	1:B:69:SER:H	20	1.18
(1,936)	1:A:75:LEU:H	1:A:71:ARG:O	1	1.17
(1,936)	1:A:75:LEU:H	1:B:71:ARG:O	1	1.17
(1,936)	1:B:75:LEU:H	1:A:71:ARG:O	1	1.17
(1,936)	1:B:75:LEU:H	1:B:71:ARG:O	1	1.17
(1,936)	1:A:75:LEU:H	1:A:71:ARG:O	6	1.17
(1,936)	1:A:75:LEU:H	1:B:71:ARG:O	6	1.17
(1,936)	1:B:75:LEU:H	1:A:71:ARG:O	6	1.17
(1,936)	1:B:75:LEU:H	1:B:71:ARG:O	6	1.17
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG2	19	1.17
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG3	19	1.17
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG2	19	1.17
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG3	19	1.17
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG2	19	1.17
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG3	19	1.17
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG2	19	1.17
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG3	19	1.17
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE21	6	1.17
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE22	6	1.17
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE21	6	1.17
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE22	6	1.17
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE21	6	1.17
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE22	6	1.17
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE21	6	1.17
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE22	6	1.17
(1,458)	1:A:76:GLU:HB3	1:A:80:ILE:HB	5	1.17
(1,458)	1:A:76:GLU:HB3	1:B:80:ILE:HB	5	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,458)	1:B:76:GLU:HB3	1:A:80:ILE:HB	5	1.17
(1,458)	1:B:76:GLU:HB3	1:B:80:ILE:HB	5	1.17
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG21	11	1.17
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG22	11	1.17
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG23	11	1.17
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG21	11	1.17
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG22	11	1.17
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG23	11	1.17
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG21	11	1.17
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG22	11	1.17
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG23	11	1.17
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG21	11	1.17
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG22	11	1.17
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG23	11	1.17
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG21	12	1.17
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG22	12	1.17
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG23	12	1.17
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG21	12	1.17
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG22	12	1.17
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG23	12	1.17
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG21	12	1.17
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG22	12	1.17
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG23	12	1.17
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG21	12	1.17
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG22	12	1.17
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG23	12	1.17
(1,41)	1:A:67:LYS:HG2	1:A:69:SER:H	4	1.17
(1,41)	1:A:67:LYS:HG2	1:B:69:SER:H	4	1.17
(1,41)	1:A:67:LYS:HG3	1:A:69:SER:H	4	1.17
(1,41)	1:A:67:LYS:HG3	1:B:69:SER:H	4	1.17
(1,41)	1:B:67:LYS:HG2	1:A:69:SER:H	4	1.17
(1,41)	1:B:67:LYS:HG2	1:B:69:SER:H	4	1.17
(1,41)	1:B:67:LYS:HG3	1:A:69:SER:H	4	1.17
(1,41)	1:B:67:LYS:HG3	1:B:69:SER:H	4	1.17
(1,41)	1:A:67:LYS:HG2	1:A:69:SER:H	7	1.17
(1,41)	1:A:67:LYS:HG2	1:B:69:SER:H	7	1.17
(1,41)	1:A:67:LYS:HG3	1:A:69:SER:H	7	1.17
(1,41)	1:A:67:LYS:HG3	1:B:69:SER:H	7	1.17
(1,41)	1:B:67:LYS:HG2	1:A:69:SER:H	7	1.17
(1,41)	1:B:67:LYS:HG2	1:B:69:SER:H	7	1.17
(1,41)	1:B:67:LYS:HG3	1:A:69:SER:H	7	1.17
(1,41)	1:B:67:LYS:HG3	1:B:69:SER:H	7	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,270)	1:A:79:ASP:H	1:A:54:LEU:HD21	17	1.17
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD21	17	1.17
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD22	17	1.17
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD23	17	1.17
(1,270)	1:B:79:ASP:H	1:A:54:LEU:HD21	17	1.17
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD21	17	1.17
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD22	17	1.17
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD23	17	1.17
(1,789)	1:A:66:LYS:HA	1:A:69:SER:HG	8	1.16
(1,789)	1:A:66:LYS:HA	1:B:69:SER:HG	8	1.16
(1,789)	1:B:66:LYS:HA	1:A:69:SER:HG	8	1.16
(1,789)	1:B:66:LYS:HA	1:B:69:SER:HG	8	1.16
(1,700)	1:A:87:HIS:HD1	1:A:91:LEU:HA	9	1.16
(1,700)	1:A:87:HIS:HD1	1:B:91:LEU:HA	9	1.16
(1,700)	1:B:87:HIS:HD1	1:A:91:LEU:HA	9	1.16
(1,700)	1:B:87:HIS:HD1	1:B:91:LEU:HA	9	1.16
(1,669)	1:A:88:LEU:HB3	1:A:91:LEU:HG	15	1.16
(1,669)	1:A:88:LEU:HB3	1:B:91:LEU:HG	15	1.16
(1,669)	1:B:88:LEU:HB3	1:A:91:LEU:HG	15	1.16
(1,669)	1:B:88:LEU:HB3	1:B:91:LEU:HG	15	1.16
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG2	9	1.16
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG3	9	1.16
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG2	9	1.16
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG3	9	1.16
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG2	9	1.16
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG3	9	1.16
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG2	9	1.16
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG3	9	1.16
(1,450)	1:A:56:GLN:HG3	1:A:84:THR:HB	1	1.16
(1,450)	1:A:56:GLN:HG3	1:B:84:THR:HB	1	1.16
(1,450)	1:B:56:GLN:HG3	1:A:84:THR:HB	1	1.16
(1,450)	1:B:56:GLN:HG3	1:B:84:THR:HB	1	1.16
(1,450)	1:A:56:GLN:HG3	1:A:84:THR:HB	4	1.16
(1,450)	1:A:56:GLN:HG3	1:B:84:THR:HB	4	1.16
(1,450)	1:B:56:GLN:HG3	1:A:84:THR:HB	4	1.16
(1,450)	1:B:56:GLN:HG3	1:B:84:THR:HB	4	1.16
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG21	10	1.16
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG22	10	1.16
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG23	10	1.16
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG21	10	1.16
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG22	10	1.16
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG23	10	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG21	10	1.16
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG22	10	1.16
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG23	10	1.16
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG21	10	1.16
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG22	10	1.16
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG23	10	1.16
(1,41)	1:A:67:LYS:HG2	1:A:69:SER:H	5	1.16
(1,41)	1:A:67:LYS:HG2	1:B:69:SER:H	5	1.16
(1,41)	1:A:67:LYS:HG3	1:A:69:SER:H	5	1.16
(1,41)	1:A:67:LYS:HG3	1:B:69:SER:H	5	1.16
(1,41)	1:B:67:LYS:HG2	1:A:69:SER:H	5	1.16
(1,41)	1:B:67:LYS:HG2	1:B:69:SER:H	5	1.16
(1,41)	1:B:67:LYS:HG3	1:A:69:SER:H	5	1.16
(1,41)	1:B:67:LYS:HG3	1:B:69:SER:H	5	1.16
(1,270)	1:A:79:ASP:H	1:A:54:LEU:HD21	5	1.16
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD21	5	1.16
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD22	5	1.16
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD23	5	1.16
(1,270)	1:B:79:ASP:H	1:A:54:LEU:HD21	5	1.16
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD21	5	1.16
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD22	5	1.16
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD23	5	1.16
(1,731)	1:A:86:LYS:HD3	1:A:87:HIS:HA	2	1.15
(1,731)	1:A:86:LYS:HD3	1:B:87:HIS:HA	2	1.15
(1,731)	1:B:86:LYS:HD3	1:A:87:HIS:HA	2	1.15
(1,731)	1:B:86:LYS:HD3	1:B:87:HIS:HA	2	1.15
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG21	1	1.15
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG22	1	1.15
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG23	1	1.15
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG21	1	1.15
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG22	1	1.15
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG23	1	1.15
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG21	1	1.15
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG22	1	1.15
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG23	1	1.15
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG21	1	1.15
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG22	1	1.15
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG23	1	1.15
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG21	1	1.15
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG22	1	1.15
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG23	1	1.15
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG21	1	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG22	1	1.15
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG23	1	1.15
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG21	1	1.15
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG22	1	1.15
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG23	1	1.15
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG21	1	1.15
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG22	1	1.15
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG23	1	1.15
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG21	1	1.15
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG22	1	1.15
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG23	1	1.15
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG21	1	1.15
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG22	1	1.15
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG23	1	1.15
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG21	1	1.15
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG22	1	1.15
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG23	1	1.15
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG21	1	1.15
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG22	1	1.15
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG23	1	1.15
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG2	4	1.15
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG3	4	1.15
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG2	4	1.15
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG3	4	1.15
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG2	4	1.15
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG3	4	1.15
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG2	4	1.15
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG3	4	1.15
(1,450)	1:A:56:GLN:HG3	1:A:84:THR:HB	7	1.15
(1,450)	1:A:56:GLN:HG3	1:B:84:THR:HB	7	1.15
(1,450)	1:B:56:GLN:HG3	1:A:84:THR:HB	7	1.15
(1,450)	1:B:56:GLN:HG3	1:B:84:THR:HB	7	1.15
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG21	15	1.15
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG22	15	1.15
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG23	15	1.15
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG21	15	1.15
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG22	15	1.15
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG23	15	1.15
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG21	15	1.15
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG22	15	1.15
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG23	15	1.15
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG21	15	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG22	15	1.15
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG23	15	1.15
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG21	19	1.15
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG22	19	1.15
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG23	19	1.15
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG21	19	1.15
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG22	19	1.15
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG23	19	1.15
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG21	19	1.15
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG22	19	1.15
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG23	19	1.15
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG21	19	1.15
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG22	19	1.15
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG23	19	1.15
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG21	20	1.15
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG22	20	1.15
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG23	20	1.15
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG21	20	1.15
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG22	20	1.15
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG23	20	1.15
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG21	20	1.15
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG22	20	1.15
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG23	20	1.15
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG21	20	1.15
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG22	20	1.15
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG23	20	1.15
(1,431)	1:A:71:ARG:HG2	1:A:75:LEU:HA	9	1.15
(1,431)	1:A:71:ARG:HG2	1:B:75:LEU:HA	9	1.15
(1,431)	1:B:71:ARG:HG2	1:A:75:LEU:HA	9	1.15
(1,431)	1:B:71:ARG:HG2	1:B:75:LEU:HA	9	1.15
(1,41)	1:A:67:LYS:HG2	1:A:69:SER:H	3	1.15
(1,41)	1:A:67:LYS:HG2	1:B:69:SER:H	3	1.15
(1,41)	1:A:67:LYS:HG3	1:A:69:SER:H	3	1.15
(1,41)	1:A:67:LYS:HG3	1:B:69:SER:H	3	1.15
(1,41)	1:B:67:LYS:HG2	1:A:69:SER:H	3	1.15
(1,41)	1:B:67:LYS:HG2	1:B:69:SER:H	3	1.15
(1,41)	1:B:67:LYS:HG3	1:A:69:SER:H	3	1.15
(1,41)	1:B:67:LYS:HG3	1:B:69:SER:H	3	1.15
(1,41)	1:A:67:LYS:HG2	1:A:69:SER:H	12	1.15
(1,41)	1:A:67:LYS:HG2	1:B:69:SER:H	12	1.15
(1,41)	1:A:67:LYS:HG3	1:A:69:SER:H	12	1.15
(1,41)	1:A:67:LYS:HG3	1:B:69:SER:H	12	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,41)	1:B:67:LYS:HG2	1:A:69:SER:H	12	1.15
(1,41)	1:B:67:LYS:HG2	1:B:69:SER:H	12	1.15
(1,41)	1:B:67:LYS:HG3	1:A:69:SER:H	12	1.15
(1,41)	1:B:67:LYS:HG3	1:B:69:SER:H	12	1.15
(1,41)	1:A:67:LYS:HG2	1:A:69:SER:H	14	1.15
(1,41)	1:A:67:LYS:HG2	1:B:69:SER:H	14	1.15
(1,41)	1:A:67:LYS:HG3	1:A:69:SER:H	14	1.15
(1,41)	1:A:67:LYS:HG3	1:B:69:SER:H	14	1.15
(1,41)	1:B:67:LYS:HG2	1:A:69:SER:H	14	1.15
(1,41)	1:B:67:LYS:HG2	1:B:69:SER:H	14	1.15
(1,41)	1:B:67:LYS:HG3	1:A:69:SER:H	14	1.15
(1,41)	1:B:67:LYS:HG3	1:B:69:SER:H	14	1.15
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG2	7	1.14
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG3	7	1.14
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG2	7	1.14
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG3	7	1.14
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG2	7	1.14
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG3	7	1.14
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG2	7	1.14
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG3	7	1.14
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG2	7	1.14
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG3	7	1.14
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG2	7	1.14
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG3	7	1.14
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG2	7	1.14
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG3	7	1.14
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG2	7	1.14
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG3	7	1.14
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD21	12	1.14
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD22	12	1.14
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD21	12	1.14
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD22	12	1.14
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD21	12	1.14
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD22	12	1.14
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD21	12	1.14
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD22	12	1.14
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD21	12	1.14
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD22	12	1.14
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD21	12	1.14
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD22	12	1.14
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD21	12	1.14
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD22	12	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD21	12	1.14
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD22	12	1.14
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD21	20	1.14
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD22	20	1.14
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD21	20	1.14
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD22	20	1.14
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD21	20	1.14
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD22	20	1.14
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD21	20	1.14
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD22	20	1.14
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD21	20	1.14
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD22	20	1.14
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD21	20	1.14
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD22	20	1.14
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD21	20	1.14
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD22	20	1.14
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD21	20	1.14
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD22	20	1.14
(1,833)	1:A:87:HIS:HD1	1:A:92:GLN:H	19	1.14
(1,833)	1:A:87:HIS:HD1	1:B:92:GLN:H	19	1.14
(1,833)	1:A:87:HIS:HD2	1:A:92:GLN:H	19	1.14
(1,833)	1:A:87:HIS:HD2	1:B:92:GLN:H	19	1.14
(1,833)	1:B:87:HIS:HD1	1:A:92:GLN:H	19	1.14
(1,833)	1:B:87:HIS:HD1	1:B:92:GLN:H	19	1.14
(1,833)	1:B:87:HIS:HD2	1:A:92:GLN:H	19	1.14
(1,833)	1:B:87:HIS:HD2	1:B:92:GLN:H	19	1.14
(1,760)	1:A:86:LYS:HG2	1:A:87:HIS:H	17	1.14
(1,760)	1:A:86:LYS:HG2	1:B:87:HIS:H	17	1.14
(1,760)	1:B:86:LYS:HG2	1:A:87:HIS:H	17	1.14
(1,760)	1:B:86:LYS:HG2	1:B:87:HIS:H	17	1.14
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	14	1.14
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	14	1.14
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	14	1.14
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	14	1.14
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	14	1.14
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	14	1.14
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	14	1.14
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	14	1.14
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	14	1.14
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	14	1.14
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	14	1.14
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	14	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,450)	1:A:56:GLN:HG3	1:A:84:THR:HB	3	1.14
(1,450)	1:A:56:GLN:HG3	1:B:84:THR:HB	3	1.14
(1,450)	1:B:56:GLN:HG3	1:A:84:THR:HB	3	1.14
(1,450)	1:B:56:GLN:HG3	1:B:84:THR:HB	3	1.14
(1,450)	1:A:56:GLN:HG3	1:A:84:THR:HB	18	1.14
(1,450)	1:A:56:GLN:HG3	1:B:84:THR:HB	18	1.14
(1,450)	1:B:56:GLN:HG3	1:A:84:THR:HB	18	1.14
(1,450)	1:B:56:GLN:HG3	1:B:84:THR:HB	18	1.14
(1,41)	1:A:67:LYS:HG2	1:A:69:SER:H	1	1.14
(1,41)	1:A:67:LYS:HG2	1:B:69:SER:H	1	1.14
(1,41)	1:A:67:LYS:HG3	1:A:69:SER:H	1	1.14
(1,41)	1:A:67:LYS:HG3	1:B:69:SER:H	1	1.14
(1,41)	1:B:67:LYS:HG2	1:A:69:SER:H	1	1.14
(1,41)	1:B:67:LYS:HG2	1:B:69:SER:H	1	1.14
(1,41)	1:B:67:LYS:HG3	1:A:69:SER:H	1	1.14
(1,41)	1:B:67:LYS:HG3	1:B:69:SER:H	1	1.14
(1,41)	1:A:67:LYS:HG2	1:A:69:SER:H	6	1.14
(1,41)	1:A:67:LYS:HG2	1:B:69:SER:H	6	1.14
(1,41)	1:A:67:LYS:HG3	1:A:69:SER:H	6	1.14
(1,41)	1:A:67:LYS:HG3	1:B:69:SER:H	6	1.14
(1,41)	1:B:67:LYS:HG2	1:A:69:SER:H	6	1.14
(1,41)	1:B:67:LYS:HG2	1:B:69:SER:H	6	1.14
(1,41)	1:B:67:LYS:HG3	1:A:69:SER:H	6	1.14
(1,41)	1:B:67:LYS:HG3	1:B:69:SER:H	6	1.14
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD21	17	1.13
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD22	17	1.13
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD21	17	1.13
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD22	17	1.13
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD21	17	1.13
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD22	17	1.13
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD21	17	1.13
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD22	17	1.13
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD21	17	1.13
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD22	17	1.13
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD21	17	1.13
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD22	17	1.13
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD21	17	1.13
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD22	17	1.13
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD21	17	1.13
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD22	17	1.13
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD21	18	1.13
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD22	18	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD21	18	1.13
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD22	18	1.13
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD21	18	1.13
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD22	18	1.13
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD21	18	1.13
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD22	18	1.13
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD21	18	1.13
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD22	18	1.13
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD21	18	1.13
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD22	18	1.13
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD21	18	1.13
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD22	18	1.13
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD21	18	1.13
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD22	18	1.13
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD21	19	1.13
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD22	19	1.13
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD21	19	1.13
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD22	19	1.13
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD21	19	1.13
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD22	19	1.13
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD21	19	1.13
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD22	19	1.13
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD21	19	1.13
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD22	19	1.13
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD21	19	1.13
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD22	19	1.13
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD21	19	1.13
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD22	19	1.13
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD21	19	1.13
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD22	19	1.13
(1,789)	1:A:66:LYS:HA	1:A:69:SER:HG	6	1.13
(1,789)	1:A:66:LYS:HA	1:B:69:SER:HG	6	1.13
(1,789)	1:B:66:LYS:HA	1:A:69:SER:HG	6	1.13
(1,789)	1:B:66:LYS:HA	1:B:69:SER:HG	6	1.13
(1,760)	1:A:86:LYS:HG2	1:A:87:HIS:H	9	1.13
(1,760)	1:A:86:LYS:HG2	1:B:87:HIS:H	9	1.13
(1,760)	1:B:86:LYS:HG2	1:A:87:HIS:H	9	1.13
(1,760)	1:B:86:LYS:HG2	1:B:87:HIS:H	9	1.13
(1,760)	1:A:86:LYS:HG2	1:A:87:HIS:H	20	1.13
(1,760)	1:A:86:LYS:HG2	1:B:87:HIS:H	20	1.13
(1,760)	1:B:86:LYS:HG2	1:A:87:HIS:H	20	1.13
(1,760)	1:B:86:LYS:HG2	1:B:87:HIS:H	20	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,747)	1:A:87:HIS:HD2	1:A:92:GLN:H	11	1.13
(1,747)	1:A:87:HIS:HD2	1:B:92:GLN:H	11	1.13
(1,747)	1:B:87:HIS:HD2	1:A:92:GLN:H	11	1.13
(1,747)	1:B:87:HIS:HD2	1:B:92:GLN:H	11	1.13
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG21	12	1.13
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG22	12	1.13
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG23	12	1.13
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG21	12	1.13
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG22	12	1.13
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG23	12	1.13
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG21	12	1.13
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG22	12	1.13
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG23	12	1.13
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG21	12	1.13
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG22	12	1.13
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG23	12	1.13
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG21	12	1.13
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG22	12	1.13
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG23	12	1.13
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG21	12	1.13
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG22	12	1.13
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG23	12	1.13
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG21	12	1.13
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG22	12	1.13
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG23	12	1.13
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG21	12	1.13
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG22	12	1.13
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG23	12	1.13
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG21	12	1.13
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG22	12	1.13
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG23	12	1.13
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG21	12	1.13
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG22	12	1.13
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG23	12	1.13
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG21	12	1.13
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG22	12	1.13
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG23	12	1.13
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG21	12	1.13
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG22	12	1.13
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG23	12	1.13
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG2	17	1.13
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG3	17	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG2	17	1.13
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG3	17	1.13
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG2	17	1.13
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG3	17	1.13
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG2	17	1.13
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG3	17	1.13
(1,450)	1:A:56:GLN:HG3	1:A:84:THR:HB	9	1.13
(1,450)	1:A:56:GLN:HG3	1:B:84:THR:HB	9	1.13
(1,450)	1:B:56:GLN:HG3	1:A:84:THR:HB	9	1.13
(1,450)	1:B:56:GLN:HG3	1:B:84:THR:HB	9	1.13
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB2	15	1.12
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB3	15	1.12
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB2	15	1.12
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB3	15	1.12
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB2	15	1.12
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB3	15	1.12
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB2	15	1.12
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB3	15	1.12
(1,832)	1:A:87:HIS:HD1	1:A:91:LEU:HA	15	1.12
(1,832)	1:A:87:HIS:HD1	1:B:91:LEU:HA	15	1.12
(1,832)	1:A:87:HIS:HD2	1:A:91:LEU:HA	15	1.12
(1,832)	1:A:87:HIS:HD2	1:B:91:LEU:HA	15	1.12
(1,832)	1:B:87:HIS:HD1	1:A:91:LEU:HA	15	1.12
(1,832)	1:B:87:HIS:HD1	1:B:91:LEU:HA	15	1.12
(1,832)	1:B:87:HIS:HD2	1:A:91:LEU:HA	15	1.12
(1,832)	1:B:87:HIS:HD2	1:B:91:LEU:HA	15	1.12
(1,817)	1:A:60:LEU:HD11	1:A:88:LEU:HB2	17	1.12
(1,817)	1:A:60:LEU:HD11	1:B:88:LEU:HB2	17	1.12
(1,817)	1:B:60:LEU:HD11	1:A:88:LEU:HB2	17	1.12
(1,817)	1:B:60:LEU:HD11	1:B:88:LEU:HB2	17	1.12
(1,817)	1:B:60:LEU:HD12	1:A:88:LEU:HB2	17	1.12
(1,817)	1:B:60:LEU:HD12	1:B:88:LEU:HB2	17	1.12
(1,817)	1:B:60:LEU:HD13	1:A:88:LEU:HB2	17	1.12
(1,817)	1:B:60:LEU:HD13	1:B:88:LEU:HB2	17	1.12
(1,817)	1:B:60:LEU:HD21	1:A:88:LEU:HB2	17	1.12
(1,817)	1:B:60:LEU:HD21	1:B:88:LEU:HB2	17	1.12
(1,817)	1:B:60:LEU:HD22	1:A:88:LEU:HB2	17	1.12
(1,817)	1:B:60:LEU:HD22	1:B:88:LEU:HB2	17	1.12
(1,817)	1:B:60:LEU:HD23	1:A:88:LEU:HB2	17	1.12
(1,817)	1:B:60:LEU:HD23	1:B:88:LEU:HB2	17	1.12
(1,669)	1:A:88:LEU:HB3	1:A:91:LEU:HG	4	1.12
(1,669)	1:A:88:LEU:HB3	1:B:91:LEU:HG	4	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,669)	1:B:88:LEU:HB3	1:A:91:LEU:HG	4	1.12
(1,669)	1:B:88:LEU:HB3	1:B:91:LEU:HG	4	1.12
(1,647)	1:A:90:ASN:HB2	1:A:65:LEU:HD11	19	1.12
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD11	19	1.12
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD12	19	1.12
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD13	19	1.12
(1,647)	1:A:90:ASN:HB3	1:A:65:LEU:HD11	19	1.12
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD11	19	1.12
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD12	19	1.12
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD13	19	1.12
(1,647)	1:B:90:ASN:HB2	1:A:65:LEU:HD11	19	1.12
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD11	19	1.12
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD12	19	1.12
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD13	19	1.12
(1,647)	1:B:90:ASN:HB3	1:A:65:LEU:HD11	19	1.12
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD11	19	1.12
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD12	19	1.12
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD13	19	1.12
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG2	5	1.12
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG3	5	1.12
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG2	5	1.12
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG3	5	1.12
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG2	5	1.12
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG3	5	1.12
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG2	5	1.12
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG3	5	1.12
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	19	1.12
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	19	1.12
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	19	1.12
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	19	1.12
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	19	1.12
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	19	1.12
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	19	1.12
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	19	1.12
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	19	1.12
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	19	1.12
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	19	1.12
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	19	1.12
(1,458)	1:A:76:GLU:HB3	1:A:80:ILE:HB	17	1.12
(1,458)	1:A:76:GLU:HB3	1:B:80:ILE:HB	17	1.12
(1,458)	1:B:76:GLU:HB3	1:A:80:ILE:HB	17	1.12
(1,458)	1:B:76:GLU:HB3	1:B:80:ILE:HB	17	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,450)	1:A:56:GLN:HG3	1:A:84:THR:HB	2	1.12
(1,450)	1:A:56:GLN:HG3	1:B:84:THR:HB	2	1.12
(1,450)	1:B:56:GLN:HG3	1:A:84:THR:HB	2	1.12
(1,450)	1:B:56:GLN:HG3	1:B:84:THR:HB	2	1.12
(1,41)	1:A:67:LYS:HG2	1:A:69:SER:H	16	1.12
(1,41)	1:A:67:LYS:HG2	1:B:69:SER:H	16	1.12
(1,41)	1:A:67:LYS:HG3	1:A:69:SER:H	16	1.12
(1,41)	1:A:67:LYS:HG3	1:B:69:SER:H	16	1.12
(1,41)	1:B:67:LYS:HG2	1:A:69:SER:H	16	1.12
(1,41)	1:B:67:LYS:HG2	1:B:69:SER:H	16	1.12
(1,41)	1:B:67:LYS:HG3	1:A:69:SER:H	16	1.12
(1,41)	1:B:67:LYS:HG3	1:B:69:SER:H	16	1.12
(1,270)	1:A:79:ASP:H	1:A:54:LEU:HD21	7	1.12
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD21	7	1.12
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD22	7	1.12
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD23	7	1.12
(1,270)	1:B:79:ASP:H	1:A:54:LEU:HD21	7	1.12
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD21	7	1.12
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD22	7	1.12
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD23	7	1.12
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD21	19	1.11
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD22	19	1.11
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD21	19	1.11
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD22	19	1.11
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD21	19	1.11
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD22	19	1.11
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD21	19	1.11
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD22	19	1.11
(1,815)	1:A:85:VAL:HA	1:A:60:LEU:HD11	17	1.11
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD11	17	1.11
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD12	17	1.11
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD13	17	1.11
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD21	17	1.11
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD22	17	1.11
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD23	17	1.11
(1,815)	1:B:85:VAL:HA	1:A:60:LEU:HD11	17	1.11
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD11	17	1.11
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD12	17	1.11
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD13	17	1.11
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD21	17	1.11
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD22	17	1.11
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD23	17	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:A:57:LEU:HD11	1:A:83:MET:H	6	1.11
(1,803)	1:A:57:LEU:HD11	1:B:83:MET:H	6	1.11
(1,803)	1:B:57:LEU:HD11	1:A:83:MET:H	6	1.11
(1,803)	1:B:57:LEU:HD11	1:B:83:MET:H	6	1.11
(1,803)	1:B:57:LEU:HD12	1:A:83:MET:H	6	1.11
(1,803)	1:B:57:LEU:HD12	1:B:83:MET:H	6	1.11
(1,803)	1:B:57:LEU:HD13	1:A:83:MET:H	6	1.11
(1,803)	1:B:57:LEU:HD13	1:B:83:MET:H	6	1.11
(1,803)	1:B:57:LEU:HD21	1:A:83:MET:H	6	1.11
(1,803)	1:B:57:LEU:HD21	1:B:83:MET:H	6	1.11
(1,803)	1:B:57:LEU:HD22	1:A:83:MET:H	6	1.11
(1,803)	1:B:57:LEU:HD22	1:B:83:MET:H	6	1.11
(1,803)	1:B:57:LEU:HD23	1:A:83:MET:H	6	1.11
(1,803)	1:B:57:LEU:HD23	1:B:83:MET:H	6	1.11
(1,803)	1:A:57:LEU:HD11	1:A:83:MET:H	17	1.11
(1,803)	1:A:57:LEU:HD11	1:B:83:MET:H	17	1.11
(1,803)	1:B:57:LEU:HD11	1:A:83:MET:H	17	1.11
(1,803)	1:B:57:LEU:HD11	1:B:83:MET:H	17	1.11
(1,803)	1:B:57:LEU:HD12	1:A:83:MET:H	17	1.11
(1,803)	1:B:57:LEU:HD12	1:B:83:MET:H	17	1.11
(1,803)	1:B:57:LEU:HD13	1:A:83:MET:H	17	1.11
(1,803)	1:B:57:LEU:HD13	1:B:83:MET:H	17	1.11
(1,803)	1:B:57:LEU:HD21	1:A:83:MET:H	17	1.11
(1,803)	1:B:57:LEU:HD21	1:B:83:MET:H	17	1.11
(1,803)	1:B:57:LEU:HD22	1:A:83:MET:H	17	1.11
(1,803)	1:B:57:LEU:HD22	1:B:83:MET:H	17	1.11
(1,803)	1:B:57:LEU:HD23	1:A:83:MET:H	17	1.11
(1,803)	1:B:57:LEU:HD23	1:B:83:MET:H	17	1.11
(1,760)	1:A:86:LYS:HG2	1:A:87:HIS:H	7	1.11
(1,760)	1:A:86:LYS:HG2	1:B:87:HIS:H	7	1.11
(1,760)	1:B:86:LYS:HG2	1:A:87:HIS:H	7	1.11
(1,760)	1:B:86:LYS:HG2	1:B:87:HIS:H	7	1.11
(1,760)	1:A:86:LYS:HG2	1:A:87:HIS:H	13	1.11
(1,760)	1:A:86:LYS:HG2	1:B:87:HIS:H	13	1.11
(1,760)	1:B:86:LYS:HG2	1:A:87:HIS:H	13	1.11
(1,760)	1:B:86:LYS:HG2	1:B:87:HIS:H	13	1.11
(1,700)	1:A:87:HIS:HD1	1:A:91:LEU:HA	12	1.11
(1,700)	1:A:87:HIS:HD1	1:B:91:LEU:HA	12	1.11
(1,700)	1:B:87:HIS:HD1	1:A:91:LEU:HA	12	1.11
(1,700)	1:B:87:HIS:HD1	1:B:91:LEU:HA	12	1.11
(1,669)	1:A:88:LEU:HB3	1:A:91:LEU:HG	6	1.11
(1,669)	1:A:88:LEU:HB3	1:B:91:LEU:HG	6	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,669)	1:B:88:LEU:HB3	1:A:91:LEU:HG	6	1.11
(1,669)	1:B:88:LEU:HB3	1:B:91:LEU:HG	6	1.11
(1,669)	1:A:88:LEU:HB3	1:A:91:LEU:HG	8	1.11
(1,669)	1:A:88:LEU:HB3	1:B:91:LEU:HG	8	1.11
(1,669)	1:B:88:LEU:HB3	1:A:91:LEU:HG	8	1.11
(1,669)	1:B:88:LEU:HB3	1:B:91:LEU:HG	8	1.11
(1,669)	1:A:88:LEU:HB3	1:A:91:LEU:HG	14	1.11
(1,669)	1:A:88:LEU:HB3	1:B:91:LEU:HG	14	1.11
(1,669)	1:B:88:LEU:HB3	1:A:91:LEU:HG	14	1.11
(1,669)	1:B:88:LEU:HB3	1:B:91:LEU:HG	14	1.11
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG21	11	1.11
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG22	11	1.11
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG23	11	1.11
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG21	11	1.11
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG22	11	1.11
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG23	11	1.11
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG21	11	1.11
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG22	11	1.11
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG23	11	1.11
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG21	11	1.11
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG22	11	1.11
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG23	11	1.11
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG21	11	1.11
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG22	11	1.11
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG23	11	1.11
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG21	11	1.11
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG22	11	1.11
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG23	11	1.11
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG21	11	1.11
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG22	11	1.11
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG23	11	1.11
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG21	11	1.11
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG22	11	1.11
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG23	11	1.11
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG21	11	1.11
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG22	11	1.11
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG23	11	1.11
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG21	11	1.11
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG22	11	1.11
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG23	11	1.11
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG21	11	1.11
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG22	11	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG23	11	1.11
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG21	11	1.11
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG22	11	1.11
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG23	11	1.11
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG2	6	1.11
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG3	6	1.11
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG2	6	1.11
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG3	6	1.11
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG2	6	1.11
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG3	6	1.11
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG2	6	1.11
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG3	6	1.11
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG2	14	1.11
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG3	14	1.11
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG2	14	1.11
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG3	14	1.11
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG2	14	1.11
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG3	14	1.11
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG2	14	1.11
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG3	14	1.11
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE1	4	1.11
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE2	4	1.11
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE3	4	1.11
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE1	4	1.11
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE2	4	1.11
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE3	4	1.11
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE1	4	1.11
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE2	4	1.11
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE3	4	1.11
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE1	4	1.11
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE2	4	1.11
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE3	4	1.11
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG21	5	1.11
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG22	5	1.11
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG23	5	1.11
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG21	5	1.11
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG22	5	1.11
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG23	5	1.11
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG21	5	1.11
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG22	5	1.11
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG23	5	1.11
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG21	5	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG22	5	1.11
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG23	5	1.11
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD21	7	1.1
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD22	7	1.1
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD21	7	1.1
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD22	7	1.1
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD21	7	1.1
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD22	7	1.1
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD21	7	1.1
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD22	7	1.1
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD21	7	1.1
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD22	7	1.1
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD21	7	1.1
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD22	7	1.1
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD21	7	1.1
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD22	7	1.1
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD21	7	1.1
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD22	7	1.1
(1,803)	1:A:57:LEU:HD11	1:A:83:MET:H	10	1.1
(1,803)	1:A:57:LEU:HD11	1:B:83:MET:H	10	1.1
(1,803)	1:B:57:LEU:HD11	1:A:83:MET:H	10	1.1
(1,803)	1:B:57:LEU:HD11	1:B:83:MET:H	10	1.1
(1,803)	1:B:57:LEU:HD12	1:A:83:MET:H	10	1.1
(1,803)	1:B:57:LEU:HD12	1:B:83:MET:H	10	1.1
(1,803)	1:B:57:LEU:HD13	1:A:83:MET:H	10	1.1
(1,803)	1:B:57:LEU:HD13	1:B:83:MET:H	10	1.1
(1,803)	1:B:57:LEU:HD21	1:A:83:MET:H	10	1.1
(1,803)	1:B:57:LEU:HD21	1:B:83:MET:H	10	1.1
(1,803)	1:B:57:LEU:HD22	1:A:83:MET:H	10	1.1
(1,803)	1:B:57:LEU:HD22	1:B:83:MET:H	10	1.1
(1,803)	1:B:57:LEU:HD23	1:A:83:MET:H	10	1.1
(1,803)	1:B:57:LEU:HD23	1:B:83:MET:H	10	1.1
(1,760)	1:A:86:LYS:HG2	1:A:87:HIS:H	14	1.1
(1,760)	1:A:86:LYS:HG2	1:B:87:HIS:H	14	1.1
(1,760)	1:B:86:LYS:HG2	1:A:87:HIS:H	14	1.1
(1,760)	1:B:86:LYS:HG2	1:B:87:HIS:H	14	1.1
(1,731)	1:A:86:LYS:HD3	1:A:87:HIS:HA	12	1.1
(1,731)	1:A:86:LYS:HD3	1:B:87:HIS:HA	12	1.1
(1,731)	1:B:86:LYS:HD3	1:A:87:HIS:HA	12	1.1
(1,731)	1:B:86:LYS:HD3	1:B:87:HIS:HA	12	1.1
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE21	4	1.1
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE22	4	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE21	4	1.1
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE22	4	1.1
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE21	4	1.1
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE22	4	1.1
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE21	4	1.1
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE22	4	1.1
(1,458)	1:A:76:GLU:HB3	1:A:80:ILE:HB	16	1.1
(1,458)	1:A:76:GLU:HB3	1:B:80:ILE:HB	16	1.1
(1,458)	1:B:76:GLU:HB3	1:A:80:ILE:HB	16	1.1
(1,458)	1:B:76:GLU:HB3	1:B:80:ILE:HB	16	1.1
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG21	18	1.1
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG22	18	1.1
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG23	18	1.1
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG21	18	1.1
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG22	18	1.1
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG23	18	1.1
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG21	18	1.1
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG22	18	1.1
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG23	18	1.1
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG21	18	1.1
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG22	18	1.1
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG23	18	1.1
(1,41)	1:A:67:LYS:HG2	1:A:69:SER:H	2	1.1
(1,41)	1:A:67:LYS:HG2	1:B:69:SER:H	2	1.1
(1,41)	1:A:67:LYS:HG3	1:A:69:SER:H	2	1.1
(1,41)	1:A:67:LYS:HG3	1:B:69:SER:H	2	1.1
(1,41)	1:B:67:LYS:HG2	1:A:69:SER:H	2	1.1
(1,41)	1:B:67:LYS:HG2	1:B:69:SER:H	2	1.1
(1,41)	1:B:67:LYS:HG3	1:A:69:SER:H	2	1.1
(1,41)	1:B:67:LYS:HG3	1:B:69:SER:H	2	1.1
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD21	1	1.09
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD22	1	1.09
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD21	1	1.09
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD22	1	1.09
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD21	1	1.09
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD22	1	1.09
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD21	1	1.09
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD22	1	1.09
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD21	1	1.09
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD22	1	1.09
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD21	1	1.09
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD22	1	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD21	1	1.09
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD22	1	1.09
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD21	1	1.09
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD22	1	1.09
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD21	10	1.09
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD22	10	1.09
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD21	10	1.09
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD22	10	1.09
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD21	10	1.09
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD22	10	1.09
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD21	10	1.09
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD22	10	1.09
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD21	10	1.09
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD22	10	1.09
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD21	10	1.09
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD22	10	1.09
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD21	10	1.09
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD22	10	1.09
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD21	10	1.09
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD22	10	1.09
(1,760)	1:A:86:LYS:HG2	1:A:87:HIS:H	1	1.09
(1,760)	1:A:86:LYS:HG2	1:B:87:HIS:H	1	1.09
(1,760)	1:B:86:LYS:HG2	1:A:87:HIS:H	1	1.09
(1,760)	1:B:86:LYS:HG2	1:B:87:HIS:H	1	1.09
(1,760)	1:A:86:LYS:HG2	1:A:87:HIS:H	6	1.09
(1,760)	1:A:86:LYS:HG2	1:B:87:HIS:H	6	1.09
(1,760)	1:B:86:LYS:HG2	1:A:87:HIS:H	6	1.09
(1,760)	1:B:86:LYS:HG2	1:B:87:HIS:H	6	1.09
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	11	1.09
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	11	1.09
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	11	1.09
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	11	1.09
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	11	1.09
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	11	1.09
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	11	1.09
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	11	1.09
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	11	1.09
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	11	1.09
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	11	1.09
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	11	1.09
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE21	5	1.09
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE22	5	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE21	5	1.09
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE22	5	1.09
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE21	5	1.09
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE22	5	1.09
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE21	5	1.09
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE22	5	1.09
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG21	1	1.09
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG22	1	1.09
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG23	1	1.09
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG21	1	1.09
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG22	1	1.09
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG23	1	1.09
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG21	1	1.09
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG22	1	1.09
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG23	1	1.09
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG21	1	1.09
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG22	1	1.09
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG23	1	1.09
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG21	2	1.09
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG22	2	1.09
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG23	2	1.09
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG21	2	1.09
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG22	2	1.09
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG23	2	1.09
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG21	2	1.09
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG22	2	1.09
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG23	2	1.09
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG21	2	1.09
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG22	2	1.09
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG23	2	1.09
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG21	4	1.09
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG22	4	1.09
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG23	4	1.09
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG21	4	1.09
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG22	4	1.09
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG23	4	1.09
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG21	4	1.09
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG22	4	1.09
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG23	4	1.09
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG21	4	1.09
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG22	4	1.09
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG23	4	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG21	13	1.09
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG22	13	1.09
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG23	13	1.09
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG21	13	1.09
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG22	13	1.09
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG23	13	1.09
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG21	13	1.09
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG22	13	1.09
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG23	13	1.09
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG21	13	1.09
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG22	13	1.09
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG23	13	1.09
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG21	16	1.09
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG22	16	1.09
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG23	16	1.09
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG21	16	1.09
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG22	16	1.09
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG23	16	1.09
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG21	16	1.09
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG22	16	1.09
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG23	16	1.09
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG21	16	1.09
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG22	16	1.09
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG23	16	1.09
(1,934)	1:A:74:LYS:H	1:A:70:SER:O	12	1.08
(1,934)	1:A:74:LYS:H	1:B:70:SER:O	12	1.08
(1,934)	1:B:74:LYS:H	1:A:70:SER:O	12	1.08
(1,934)	1:B:74:LYS:H	1:B:70:SER:O	12	1.08
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD21	14	1.08
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD22	14	1.08
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD21	14	1.08
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD22	14	1.08
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD21	14	1.08
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD22	14	1.08
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD21	14	1.08
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD22	14	1.08
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD21	14	1.08
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD22	14	1.08
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD21	14	1.08
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD22	14	1.08
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD21	14	1.08
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD22	14	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD21	14	1.08
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD22	14	1.08
(1,815)	1:A:85:VAL:HA	1:A:60:LEU:HD11	13	1.08
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD11	13	1.08
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD12	13	1.08
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD13	13	1.08
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD21	13	1.08
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD22	13	1.08
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD23	13	1.08
(1,815)	1:B:85:VAL:HA	1:A:60:LEU:HD11	13	1.08
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD11	13	1.08
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD12	13	1.08
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD13	13	1.08
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD21	13	1.08
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD22	13	1.08
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD23	13	1.08
(1,774)	1:A:86:LYS:HD3	1:A:88:LEU:H	10	1.08
(1,774)	1:A:86:LYS:HD3	1:B:88:LEU:H	10	1.08
(1,774)	1:B:86:LYS:HD3	1:A:88:LEU:H	10	1.08
(1,774)	1:B:86:LYS:HD3	1:B:88:LEU:H	10	1.08
(1,760)	1:A:86:LYS:HG2	1:A:87:HIS:H	4	1.08
(1,760)	1:A:86:LYS:HG2	1:B:87:HIS:H	4	1.08
(1,760)	1:B:86:LYS:HG2	1:A:87:HIS:H	4	1.08
(1,760)	1:B:86:LYS:HG2	1:B:87:HIS:H	4	1.08
(1,760)	1:A:86:LYS:HG2	1:A:87:HIS:H	19	1.08
(1,760)	1:A:86:LYS:HG2	1:B:87:HIS:H	19	1.08
(1,760)	1:B:86:LYS:HG2	1:A:87:HIS:H	19	1.08
(1,760)	1:B:86:LYS:HG2	1:B:87:HIS:H	19	1.08
(1,747)	1:A:87:HIS:HD2	1:A:92:GLN:H	6	1.08
(1,747)	1:A:87:HIS:HD2	1:B:92:GLN:H	6	1.08
(1,747)	1:B:87:HIS:HD2	1:A:92:GLN:H	6	1.08
(1,747)	1:B:87:HIS:HD2	1:B:92:GLN:H	6	1.08
(1,744)	1:A:66:LYS:HD3	1:A:67:LYS:H	4	1.08
(1,744)	1:A:66:LYS:HD3	1:B:67:LYS:H	4	1.08
(1,744)	1:B:66:LYS:HD3	1:A:67:LYS:H	4	1.08
(1,744)	1:B:66:LYS:HD3	1:B:67:LYS:H	4	1.08
(1,731)	1:A:86:LYS:HD3	1:A:87:HIS:HA	8	1.08
(1,731)	1:A:86:LYS:HD3	1:B:87:HIS:HA	8	1.08
(1,731)	1:B:86:LYS:HD3	1:A:87:HIS:HA	8	1.08
(1,731)	1:B:86:LYS:HD3	1:B:87:HIS:HA	8	1.08
(1,700)	1:A:87:HIS:HD1	1:A:91:LEU:HA	14	1.08
(1,700)	1:A:87:HIS:HD1	1:B:91:LEU:HA	14	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,700)	1:B:87:HIS:HD1	1:A:91:LEU:HA	14	1.08
(1,700)	1:B:87:HIS:HD1	1:B:91:LEU:HA	14	1.08
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG21	11	1.08
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG22	11	1.08
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG23	11	1.08
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG21	11	1.08
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG22	11	1.08
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG23	11	1.08
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG21	11	1.08
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG22	11	1.08
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG23	11	1.08
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG21	11	1.08
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG22	11	1.08
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG23	11	1.08
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG21	11	1.08
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG22	11	1.08
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG23	11	1.08
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG21	11	1.08
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG22	11	1.08
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG23	11	1.08
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG21	11	1.08
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG22	11	1.08
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG23	11	1.08
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG21	11	1.08
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG22	11	1.08
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG23	11	1.08
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG21	13	1.08
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG22	13	1.08
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG23	13	1.08
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG21	13	1.08
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG22	13	1.08
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG23	13	1.08
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG21	13	1.08
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG22	13	1.08
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG23	13	1.08
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG21	13	1.08
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG22	13	1.08
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG23	13	1.08
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG21	13	1.08
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG22	13	1.08
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG23	13	1.08
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG21	13	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG22	13	1.08
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG23	13	1.08
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG21	13	1.08
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG22	13	1.08
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG23	13	1.08
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG21	13	1.08
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG22	13	1.08
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG23	13	1.08
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG21	13	1.08
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG22	13	1.08
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG23	13	1.08
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG21	13	1.08
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG22	13	1.08
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG23	13	1.08
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG21	13	1.08
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG22	13	1.08
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG23	13	1.08
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG21	13	1.08
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG22	13	1.08
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG23	13	1.08
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE21	19	1.08
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE22	19	1.08
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE21	19	1.08
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE22	19	1.08
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE21	19	1.08
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE22	19	1.08
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE21	19	1.08
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE22	19	1.08
(1,458)	1:A:76:GLU:HB3	1:A:80:ILE:HB	1	1.08
(1,458)	1:A:76:GLU:HB3	1:B:80:ILE:HB	1	1.08
(1,458)	1:B:76:GLU:HB3	1:A:80:ILE:HB	1	1.08
(1,458)	1:B:76:GLU:HB3	1:B:80:ILE:HB	1	1.08
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG21	8	1.08
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG22	8	1.08
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG23	8	1.08
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG21	8	1.08
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG22	8	1.08
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG23	8	1.08
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG21	8	1.08
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG22	8	1.08
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG23	8	1.08
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG21	8	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG22	8	1.08
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG23	8	1.08
(1,41)	1:A:67:LYS:HG2	1:A:69:SER:H	10	1.08
(1,41)	1:A:67:LYS:HG2	1:B:69:SER:H	10	1.08
(1,41)	1:A:67:LYS:HG3	1:A:69:SER:H	10	1.08
(1,41)	1:A:67:LYS:HG3	1:B:69:SER:H	10	1.08
(1,41)	1:B:67:LYS:HG2	1:A:69:SER:H	10	1.08
(1,41)	1:B:67:LYS:HG2	1:B:69:SER:H	10	1.08
(1,41)	1:B:67:LYS:HG3	1:A:69:SER:H	10	1.08
(1,41)	1:B:67:LYS:HG3	1:B:69:SER:H	10	1.08
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB2	9	1.07
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB3	9	1.07
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB2	9	1.07
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB3	9	1.07
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB2	9	1.07
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB3	9	1.07
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB2	9	1.07
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB3	9	1.07
(1,833)	1:A:87:HIS:HD1	1:A:92:GLN:H	10	1.07
(1,833)	1:A:87:HIS:HD1	1:B:92:GLN:H	10	1.07
(1,833)	1:A:87:HIS:HD2	1:A:92:GLN:H	10	1.07
(1,833)	1:A:87:HIS:HD2	1:B:92:GLN:H	10	1.07
(1,833)	1:B:87:HIS:HD1	1:A:92:GLN:H	10	1.07
(1,833)	1:B:87:HIS:HD1	1:B:92:GLN:H	10	1.07
(1,833)	1:B:87:HIS:HD2	1:A:92:GLN:H	10	1.07
(1,833)	1:B:87:HIS:HD2	1:B:92:GLN:H	10	1.07
(1,760)	1:A:86:LYS:HG2	1:A:87:HIS:H	5	1.07
(1,760)	1:A:86:LYS:HG2	1:B:87:HIS:H	5	1.07
(1,760)	1:B:86:LYS:HG2	1:A:87:HIS:H	5	1.07
(1,760)	1:B:86:LYS:HG2	1:B:87:HIS:H	5	1.07
(1,760)	1:A:86:LYS:HG2	1:A:87:HIS:H	16	1.07
(1,760)	1:A:86:LYS:HG2	1:B:87:HIS:H	16	1.07
(1,760)	1:B:86:LYS:HG2	1:A:87:HIS:H	16	1.07
(1,760)	1:B:86:LYS:HG2	1:B:87:HIS:H	16	1.07
(1,760)	1:A:86:LYS:HG2	1:A:87:HIS:H	18	1.07
(1,760)	1:A:86:LYS:HG2	1:B:87:HIS:H	18	1.07
(1,760)	1:B:86:LYS:HG2	1:A:87:HIS:H	18	1.07
(1,760)	1:B:86:LYS:HG2	1:B:87:HIS:H	18	1.07
(1,731)	1:A:86:LYS:HD3	1:A:87:HIS:HA	1	1.07
(1,731)	1:A:86:LYS:HD3	1:B:87:HIS:HA	1	1.07
(1,731)	1:B:86:LYS:HD3	1:A:87:HIS:HA	1	1.07
(1,731)	1:B:86:LYS:HD3	1:B:87:HIS:HA	1	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG2	7	1.07
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG3	7	1.07
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG2	7	1.07
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG3	7	1.07
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG2	7	1.07
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG3	7	1.07
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG2	7	1.07
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG3	7	1.07
(1,458)	1:A:76:GLU:HB3	1:A:80:ILE:HB	11	1.07
(1,458)	1:A:76:GLU:HB3	1:B:80:ILE:HB	11	1.07
(1,458)	1:B:76:GLU:HB3	1:A:80:ILE:HB	11	1.07
(1,458)	1:B:76:GLU:HB3	1:B:80:ILE:HB	11	1.07
(1,35)	1:A:66:LYS:HG2	1:A:67:LYS:H	7	1.07
(1,35)	1:A:66:LYS:HG2	1:B:67:LYS:H	7	1.07
(1,35)	1:B:66:LYS:HG2	1:A:67:LYS:H	7	1.07
(1,35)	1:B:66:LYS:HG2	1:B:67:LYS:H	7	1.07
(1,936)	1:A:75:LEU:H	1:A:71:ARG:O	5	1.06
(1,936)	1:A:75:LEU:H	1:B:71:ARG:O	5	1.06
(1,936)	1:B:75:LEU:H	1:A:71:ARG:O	5	1.06
(1,936)	1:B:75:LEU:H	1:B:71:ARG:O	5	1.06
(1,747)	1:A:87:HIS:HD2	1:A:92:GLN:H	15	1.06
(1,747)	1:A:87:HIS:HD2	1:B:92:GLN:H	15	1.06
(1,747)	1:B:87:HIS:HD2	1:A:92:GLN:H	15	1.06
(1,747)	1:B:87:HIS:HD2	1:B:92:GLN:H	15	1.06
(1,669)	1:A:88:LEU:HB3	1:A:91:LEU:HG	1	1.06
(1,669)	1:A:88:LEU:HB3	1:B:91:LEU:HG	1	1.06
(1,669)	1:B:88:LEU:HB3	1:A:91:LEU:HG	1	1.06
(1,669)	1:B:88:LEU:HB3	1:B:91:LEU:HG	1	1.06
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG21	6	1.06
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG22	6	1.06
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG23	6	1.06
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG21	6	1.06
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG22	6	1.06
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG23	6	1.06
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG21	6	1.06
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG22	6	1.06
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG23	6	1.06
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG21	6	1.06
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG22	6	1.06
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG23	6	1.06
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG21	6	1.06
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG22	6	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG23	6	1.06
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG21	6	1.06
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG22	6	1.06
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG23	6	1.06
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG21	6	1.06
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG22	6	1.06
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG23	6	1.06
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG21	6	1.06
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG22	6	1.06
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG23	6	1.06
(1,458)	1:A:76:GLU:HB3	1:A:80:ILE:HB	3	1.06
(1,458)	1:A:76:GLU:HB3	1:B:80:ILE:HB	3	1.06
(1,458)	1:B:76:GLU:HB3	1:A:80:ILE:HB	3	1.06
(1,458)	1:B:76:GLU:HB3	1:B:80:ILE:HB	3	1.06
(1,450)	1:A:56:GLN:HG3	1:A:84:THR:HB	15	1.06
(1,450)	1:A:56:GLN:HG3	1:B:84:THR:HB	15	1.06
(1,450)	1:B:56:GLN:HG3	1:A:84:THR:HB	15	1.06
(1,450)	1:B:56:GLN:HG3	1:B:84:THR:HB	15	1.06
(1,450)	1:A:56:GLN:HG3	1:A:84:THR:HB	19	1.06
(1,450)	1:A:56:GLN:HG3	1:B:84:THR:HB	19	1.06
(1,450)	1:B:56:GLN:HG3	1:A:84:THR:HB	19	1.06
(1,450)	1:B:56:GLN:HG3	1:B:84:THR:HB	19	1.06
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG21	7	1.06
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG22	7	1.06
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG23	7	1.06
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG21	7	1.06
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG22	7	1.06
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG23	7	1.06
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG21	7	1.06
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG22	7	1.06
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG23	7	1.06
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG21	7	1.06
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG22	7	1.06
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG23	7	1.06
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG21	17	1.06
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG22	17	1.06
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG23	17	1.06
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG21	17	1.06
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG22	17	1.06
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG23	17	1.06
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG21	17	1.06
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG22	17	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG23	17	1.06
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG21	17	1.06
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG22	17	1.06
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG23	17	1.06
(1,35)	1:A:66:LYS:HG2	1:A:67:LYS:H	17	1.06
(1,35)	1:A:66:LYS:HG2	1:B:67:LYS:H	17	1.06
(1,35)	1:B:66:LYS:HG2	1:A:67:LYS:H	17	1.06
(1,35)	1:B:66:LYS:HG2	1:B:67:LYS:H	17	1.06
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD21	5	1.05
(1,844)	1:A:89:ARG:HB2	1:A:90:ASN:HD22	5	1.05
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD21	5	1.05
(1,844)	1:A:89:ARG:HB2	1:B:90:ASN:HD22	5	1.05
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD21	5	1.05
(1,844)	1:A:89:ARG:HB3	1:A:90:ASN:HD22	5	1.05
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD21	5	1.05
(1,844)	1:A:89:ARG:HB3	1:B:90:ASN:HD22	5	1.05
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD21	5	1.05
(1,844)	1:B:89:ARG:HB2	1:A:90:ASN:HD22	5	1.05
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD21	5	1.05
(1,844)	1:B:89:ARG:HB2	1:B:90:ASN:HD22	5	1.05
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD21	5	1.05
(1,844)	1:B:89:ARG:HB3	1:A:90:ASN:HD22	5	1.05
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD21	5	1.05
(1,844)	1:B:89:ARG:HB3	1:B:90:ASN:HD22	5	1.05
(1,789)	1:A:66:LYS:HA	1:A:69:SER:HG	15	1.05
(1,789)	1:A:66:LYS:HA	1:B:69:SER:HG	15	1.05
(1,789)	1:B:66:LYS:HA	1:A:69:SER:HG	15	1.05
(1,789)	1:B:66:LYS:HA	1:B:69:SER:HG	15	1.05
(1,760)	1:A:86:LYS:HG2	1:A:87:HIS:H	12	1.05
(1,760)	1:A:86:LYS:HG2	1:B:87:HIS:H	12	1.05
(1,760)	1:B:86:LYS:HG2	1:A:87:HIS:H	12	1.05
(1,760)	1:B:86:LYS:HG2	1:B:87:HIS:H	12	1.05
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG21	3	1.05
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG22	3	1.05
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG23	3	1.05
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG21	3	1.05
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG22	3	1.05
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG23	3	1.05
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG21	3	1.05
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG22	3	1.05
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG23	3	1.05
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG21	3	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG22	3	1.05
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG23	3	1.05
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG21	3	1.05
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG22	3	1.05
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG23	3	1.05
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG21	3	1.05
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG22	3	1.05
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG23	3	1.05
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG21	3	1.05
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG22	3	1.05
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG23	3	1.05
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG21	3	1.05
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG22	3	1.05
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG23	3	1.05
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG21	2	1.05
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG22	2	1.05
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG23	2	1.05
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG21	2	1.05
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG22	2	1.05
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG23	2	1.05
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG21	2	1.05
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG22	2	1.05
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG23	2	1.05
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG21	2	1.05
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG22	2	1.05
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG23	2	1.05
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG21	2	1.05
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG22	2	1.05
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG23	2	1.05
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG21	2	1.05
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG22	2	1.05
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG23	2	1.05
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG21	2	1.05
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG22	2	1.05
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG23	2	1.05
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG21	2	1.05
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG22	2	1.05
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG23	2	1.05
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG21	2	1.05
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG22	2	1.05
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG23	2	1.05
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG21	2	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG22	2	1.05
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG23	2	1.05
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG21	2	1.05
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG22	2	1.05
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG23	2	1.05
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG21	2	1.05
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG22	2	1.05
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG23	2	1.05
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE21	20	1.05
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE22	20	1.05
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE21	20	1.05
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE22	20	1.05
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE21	20	1.05
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE22	20	1.05
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE21	20	1.05
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE22	20	1.05
(1,458)	1:A:76:GLU:HB3	1:A:80:ILE:HB	4	1.05
(1,458)	1:A:76:GLU:HB3	1:B:80:ILE:HB	4	1.05
(1,458)	1:B:76:GLU:HB3	1:A:80:ILE:HB	4	1.05
(1,458)	1:B:76:GLU:HB3	1:B:80:ILE:HB	4	1.05
(1,420)	1:A:87:HIS:HD2	1:A:91:LEU:HA	11	1.05
(1,420)	1:A:87:HIS:HD2	1:B:91:LEU:HA	11	1.05
(1,420)	1:B:87:HIS:HD2	1:A:91:LEU:HA	11	1.05
(1,420)	1:B:87:HIS:HD2	1:B:91:LEU:HA	11	1.05
(1,41)	1:A:67:LYS:HG2	1:A:69:SER:H	8	1.05
(1,41)	1:A:67:LYS:HG2	1:B:69:SER:H	8	1.05
(1,41)	1:A:67:LYS:HG3	1:A:69:SER:H	8	1.05
(1,41)	1:A:67:LYS:HG3	1:B:69:SER:H	8	1.05
(1,41)	1:B:67:LYS:HG2	1:A:69:SER:H	8	1.05
(1,41)	1:B:67:LYS:HG2	1:B:69:SER:H	8	1.05
(1,41)	1:B:67:LYS:HG3	1:A:69:SER:H	8	1.05
(1,41)	1:B:67:LYS:HG3	1:B:69:SER:H	8	1.05
(1,450)	1:A:56:GLN:HG3	1:A:84:THR:HB	8	1.04
(1,450)	1:A:56:GLN:HG3	1:B:84:THR:HB	8	1.04
(1,450)	1:B:56:GLN:HG3	1:A:84:THR:HB	8	1.04
(1,450)	1:B:56:GLN:HG3	1:B:84:THR:HB	8	1.04
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG21	14	1.04
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG22	14	1.04
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG23	14	1.04
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG21	14	1.04
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG22	14	1.04
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG23	14	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG21	14	1.04
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG22	14	1.04
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG23	14	1.04
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG21	14	1.04
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG22	14	1.04
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG23	14	1.04
(1,35)	1:A:66:LYS:HG2	1:A:67:LYS:H	18	1.04
(1,35)	1:A:66:LYS:HG2	1:B:67:LYS:H	18	1.04
(1,35)	1:B:66:LYS:HG2	1:A:67:LYS:H	18	1.04
(1,35)	1:B:66:LYS:HG2	1:B:67:LYS:H	18	1.04
(1,270)	1:A:79:ASP:H	1:A:54:LEU:HD21	1	1.04
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD21	1	1.04
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD22	1	1.04
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD23	1	1.04
(1,270)	1:B:79:ASP:H	1:A:54:LEU:HD21	1	1.04
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD21	1	1.04
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD22	1	1.04
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD23	1	1.04
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD21	4	1.03
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD22	4	1.03
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD21	4	1.03
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD22	4	1.03
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD21	4	1.03
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD22	4	1.03
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD21	4	1.03
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD22	4	1.03
(1,817)	1:A:60:LEU:HD11	1:A:88:LEU:HB2	5	1.03
(1,817)	1:A:60:LEU:HD11	1:B:88:LEU:HB2	5	1.03
(1,817)	1:B:60:LEU:HD11	1:A:88:LEU:HB2	5	1.03
(1,817)	1:B:60:LEU:HD11	1:B:88:LEU:HB2	5	1.03
(1,817)	1:B:60:LEU:HD12	1:A:88:LEU:HB2	5	1.03
(1,817)	1:B:60:LEU:HD12	1:B:88:LEU:HB2	5	1.03
(1,817)	1:B:60:LEU:HD13	1:A:88:LEU:HB2	5	1.03
(1,817)	1:B:60:LEU:HD13	1:B:88:LEU:HB2	5	1.03
(1,817)	1:B:60:LEU:HD21	1:A:88:LEU:HB2	5	1.03
(1,817)	1:B:60:LEU:HD21	1:B:88:LEU:HB2	5	1.03
(1,817)	1:B:60:LEU:HD22	1:A:88:LEU:HB2	5	1.03
(1,817)	1:B:60:LEU:HD22	1:B:88:LEU:HB2	5	1.03
(1,817)	1:B:60:LEU:HD23	1:A:88:LEU:HB2	5	1.03
(1,817)	1:B:60:LEU:HD23	1:B:88:LEU:HB2	5	1.03
(1,803)	1:A:57:LEU:HD11	1:A:83:MET:H	9	1.03
(1,803)	1:A:57:LEU:HD11	1:B:83:MET:H	9	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:B:57:LEU:HD11	1:A:83:MET:H	9	1.03
(1,803)	1:B:57:LEU:HD11	1:B:83:MET:H	9	1.03
(1,803)	1:B:57:LEU:HD12	1:A:83:MET:H	9	1.03
(1,803)	1:B:57:LEU:HD12	1:B:83:MET:H	9	1.03
(1,803)	1:B:57:LEU:HD13	1:A:83:MET:H	9	1.03
(1,803)	1:B:57:LEU:HD13	1:B:83:MET:H	9	1.03
(1,803)	1:B:57:LEU:HD21	1:A:83:MET:H	9	1.03
(1,803)	1:B:57:LEU:HD21	1:B:83:MET:H	9	1.03
(1,803)	1:B:57:LEU:HD22	1:A:83:MET:H	9	1.03
(1,803)	1:B:57:LEU:HD22	1:B:83:MET:H	9	1.03
(1,803)	1:B:57:LEU:HD23	1:A:83:MET:H	9	1.03
(1,803)	1:B:57:LEU:HD23	1:B:83:MET:H	9	1.03
(1,803)	1:A:57:LEU:HD11	1:A:83:MET:H	14	1.03
(1,803)	1:A:57:LEU:HD11	1:B:83:MET:H	14	1.03
(1,803)	1:B:57:LEU:HD11	1:A:83:MET:H	14	1.03
(1,803)	1:B:57:LEU:HD11	1:B:83:MET:H	14	1.03
(1,803)	1:B:57:LEU:HD12	1:A:83:MET:H	14	1.03
(1,803)	1:B:57:LEU:HD12	1:B:83:MET:H	14	1.03
(1,803)	1:B:57:LEU:HD13	1:A:83:MET:H	14	1.03
(1,803)	1:B:57:LEU:HD13	1:B:83:MET:H	14	1.03
(1,803)	1:B:57:LEU:HD21	1:A:83:MET:H	14	1.03
(1,803)	1:B:57:LEU:HD21	1:B:83:MET:H	14	1.03
(1,803)	1:B:57:LEU:HD22	1:A:83:MET:H	14	1.03
(1,803)	1:B:57:LEU:HD22	1:B:83:MET:H	14	1.03
(1,803)	1:B:57:LEU:HD23	1:A:83:MET:H	14	1.03
(1,803)	1:B:57:LEU:HD23	1:B:83:MET:H	14	1.03
(1,760)	1:A:86:LYS:HG2	1:A:87:HIS:H	11	1.03
(1,760)	1:A:86:LYS:HG2	1:B:87:HIS:H	11	1.03
(1,760)	1:B:86:LYS:HG2	1:A:87:HIS:H	11	1.03
(1,760)	1:B:86:LYS:HG2	1:B:87:HIS:H	11	1.03
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG21	20	1.03
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG22	20	1.03
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG23	20	1.03
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG21	20	1.03
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG22	20	1.03
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG23	20	1.03
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG21	20	1.03
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG22	20	1.03
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG23	20	1.03
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG21	20	1.03
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG22	20	1.03
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG23	20	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG21	20	1.03
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG22	20	1.03
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG23	20	1.03
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG21	20	1.03
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG22	20	1.03
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG23	20	1.03
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG21	20	1.03
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG22	20	1.03
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG23	20	1.03
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG21	20	1.03
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG22	20	1.03
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG23	20	1.03
(1,487)	1:A:88:LEU:HA	1:A:91:LEU:HA	19	1.03
(1,487)	1:A:88:LEU:HA	1:B:91:LEU:HA	19	1.03
(1,487)	1:B:88:LEU:HA	1:A:91:LEU:HA	19	1.03
(1,487)	1:B:88:LEU:HA	1:B:91:LEU:HA	19	1.03
(1,458)	1:A:76:GLU:HB3	1:A:80:ILE:HB	8	1.03
(1,458)	1:A:76:GLU:HB3	1:B:80:ILE:HB	8	1.03
(1,458)	1:B:76:GLU:HB3	1:A:80:ILE:HB	8	1.03
(1,458)	1:B:76:GLU:HB3	1:B:80:ILE:HB	8	1.03
(1,450)	1:A:56:GLN:HG3	1:A:84:THR:HB	6	1.03
(1,450)	1:A:56:GLN:HG3	1:B:84:THR:HB	6	1.03
(1,450)	1:B:56:GLN:HG3	1:A:84:THR:HB	6	1.03
(1,450)	1:B:56:GLN:HG3	1:B:84:THR:HB	6	1.03
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG21	9	1.03
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG22	9	1.03
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG23	9	1.03
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG21	9	1.03
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG22	9	1.03
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG23	9	1.03
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG21	9	1.03
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG22	9	1.03
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG23	9	1.03
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG21	9	1.03
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG22	9	1.03
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG23	9	1.03
(1,803)	1:A:57:LEU:HD11	1:A:83:MET:H	7	1.02
(1,803)	1:A:57:LEU:HD11	1:B:83:MET:H	7	1.02
(1,803)	1:B:57:LEU:HD11	1:A:83:MET:H	7	1.02
(1,803)	1:B:57:LEU:HD11	1:B:83:MET:H	7	1.02
(1,803)	1:B:57:LEU:HD12	1:A:83:MET:H	7	1.02
(1,803)	1:B:57:LEU:HD12	1:B:83:MET:H	7	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:B:57:LEU:HD13	1:A:83:MET:H	7	1.02
(1,803)	1:B:57:LEU:HD13	1:B:83:MET:H	7	1.02
(1,803)	1:B:57:LEU:HD21	1:A:83:MET:H	7	1.02
(1,803)	1:B:57:LEU:HD21	1:B:83:MET:H	7	1.02
(1,803)	1:B:57:LEU:HD22	1:A:83:MET:H	7	1.02
(1,803)	1:B:57:LEU:HD22	1:B:83:MET:H	7	1.02
(1,803)	1:B:57:LEU:HD23	1:A:83:MET:H	7	1.02
(1,803)	1:B:57:LEU:HD23	1:B:83:MET:H	7	1.02
(1,760)	1:A:86:LYS:HG2	1:A:87:HIS:H	15	1.02
(1,760)	1:A:86:LYS:HG2	1:B:87:HIS:H	15	1.02
(1,760)	1:B:86:LYS:HG2	1:A:87:HIS:H	15	1.02
(1,760)	1:B:86:LYS:HG2	1:B:87:HIS:H	15	1.02
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD11	3	1.02
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD12	3	1.02
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD13	3	1.02
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD11	3	1.02
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD12	3	1.02
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD13	3	1.02
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD11	3	1.02
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD12	3	1.02
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD13	3	1.02
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD11	3	1.02
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD12	3	1.02
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD13	3	1.02
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG21	9	1.02
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG22	9	1.02
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG23	9	1.02
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG21	9	1.02
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG22	9	1.02
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG23	9	1.02
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG21	9	1.02
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG22	9	1.02
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG23	9	1.02
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG21	9	1.02
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG22	9	1.02
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG23	9	1.02
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG21	9	1.02
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG22	9	1.02
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG23	9	1.02
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG21	9	1.02
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG22	9	1.02
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG23	9	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG21	9	1.02
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG22	9	1.02
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG23	9	1.02
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG21	9	1.02
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG22	9	1.02
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG23	9	1.02
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG21	16	1.02
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG22	16	1.02
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG23	16	1.02
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG21	16	1.02
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG22	16	1.02
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG23	16	1.02
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG21	16	1.02
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG22	16	1.02
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG23	16	1.02
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG21	16	1.02
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG22	16	1.02
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG23	16	1.02
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG21	16	1.02
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG22	16	1.02
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG23	16	1.02
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG21	16	1.02
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG22	16	1.02
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG23	16	1.02
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG21	16	1.02
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG22	16	1.02
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG23	16	1.02
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG21	16	1.02
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG22	16	1.02
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG23	16	1.02
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE21	13	1.02
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE22	13	1.02
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE21	13	1.02
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE22	13	1.02
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE21	13	1.02
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE22	13	1.02
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE21	13	1.02
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE22	13	1.02
(1,270)	1:A:79:ASP:H	1:A:54:LEU:HD21	13	1.02
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD21	13	1.02
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD22	13	1.02
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD23	13	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,270)	1:B:79:ASP:H	1:A:54:LEU:HD21	13	1.02
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD21	13	1.02
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD22	13	1.02
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD23	13	1.02
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG2	17	1.01
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG3	17	1.01
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG2	17	1.01
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG3	17	1.01
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG2	17	1.01
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG3	17	1.01
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG2	17	1.01
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG3	17	1.01
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG2	17	1.01
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG3	17	1.01
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG2	17	1.01
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG3	17	1.01
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG2	17	1.01
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG3	17	1.01
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG2	17	1.01
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG3	17	1.01
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD21	14	1.01
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD22	14	1.01
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD21	14	1.01
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD22	14	1.01
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD21	14	1.01
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD22	14	1.01
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD21	14	1.01
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD22	14	1.01
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD21	15	1.01
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD22	15	1.01
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD21	15	1.01
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD22	15	1.01
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD21	15	1.01
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD22	15	1.01
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD21	15	1.01
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD22	15	1.01
(1,803)	1:A:57:LEU:HD11	1:A:83:MET:H	1	1.01
(1,803)	1:A:57:LEU:HD11	1:B:83:MET:H	1	1.01
(1,803)	1:B:57:LEU:HD11	1:A:83:MET:H	1	1.01
(1,803)	1:B:57:LEU:HD11	1:B:83:MET:H	1	1.01
(1,803)	1:B:57:LEU:HD12	1:A:83:MET:H	1	1.01
(1,803)	1:B:57:LEU:HD12	1:B:83:MET:H	1	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:B:57:LEU:HD13	1:A:83:MET:H	1	1.01
(1,803)	1:B:57:LEU:HD13	1:B:83:MET:H	1	1.01
(1,803)	1:B:57:LEU:HD21	1:A:83:MET:H	1	1.01
(1,803)	1:B:57:LEU:HD21	1:B:83:MET:H	1	1.01
(1,803)	1:B:57:LEU:HD22	1:A:83:MET:H	1	1.01
(1,803)	1:B:57:LEU:HD22	1:B:83:MET:H	1	1.01
(1,803)	1:B:57:LEU:HD23	1:A:83:MET:H	1	1.01
(1,803)	1:B:57:LEU:HD23	1:B:83:MET:H	1	1.01
(1,803)	1:A:57:LEU:HD11	1:A:83:MET:H	5	1.01
(1,803)	1:A:57:LEU:HD11	1:B:83:MET:H	5	1.01
(1,803)	1:B:57:LEU:HD11	1:A:83:MET:H	5	1.01
(1,803)	1:B:57:LEU:HD11	1:B:83:MET:H	5	1.01
(1,803)	1:B:57:LEU:HD12	1:A:83:MET:H	5	1.01
(1,803)	1:B:57:LEU:HD12	1:B:83:MET:H	5	1.01
(1,803)	1:B:57:LEU:HD13	1:A:83:MET:H	5	1.01
(1,803)	1:B:57:LEU:HD13	1:B:83:MET:H	5	1.01
(1,803)	1:B:57:LEU:HD21	1:A:83:MET:H	5	1.01
(1,803)	1:B:57:LEU:HD21	1:B:83:MET:H	5	1.01
(1,803)	1:B:57:LEU:HD22	1:A:83:MET:H	5	1.01
(1,803)	1:B:57:LEU:HD22	1:B:83:MET:H	5	1.01
(1,803)	1:B:57:LEU:HD23	1:A:83:MET:H	5	1.01
(1,803)	1:B:57:LEU:HD23	1:B:83:MET:H	5	1.01
(1,803)	1:A:57:LEU:HD11	1:A:83:MET:H	12	1.01
(1,803)	1:A:57:LEU:HD11	1:B:83:MET:H	12	1.01
(1,803)	1:B:57:LEU:HD11	1:A:83:MET:H	12	1.01
(1,803)	1:B:57:LEU:HD11	1:B:83:MET:H	12	1.01
(1,803)	1:B:57:LEU:HD12	1:A:83:MET:H	12	1.01
(1,803)	1:B:57:LEU:HD12	1:B:83:MET:H	12	1.01
(1,803)	1:B:57:LEU:HD13	1:A:83:MET:H	12	1.01
(1,803)	1:B:57:LEU:HD13	1:B:83:MET:H	12	1.01
(1,803)	1:B:57:LEU:HD21	1:A:83:MET:H	12	1.01
(1,803)	1:B:57:LEU:HD21	1:B:83:MET:H	12	1.01
(1,803)	1:B:57:LEU:HD22	1:A:83:MET:H	12	1.01
(1,803)	1:B:57:LEU:HD22	1:B:83:MET:H	12	1.01
(1,803)	1:B:57:LEU:HD23	1:A:83:MET:H	12	1.01
(1,803)	1:B:57:LEU:HD23	1:B:83:MET:H	12	1.01
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG21	4	1.01
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG22	4	1.01
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG23	4	1.01
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG21	4	1.01
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG22	4	1.01
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG23	4	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG21	4	1.01
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG22	4	1.01
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG23	4	1.01
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG21	4	1.01
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG22	4	1.01
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG23	4	1.01
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG21	4	1.01
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG22	4	1.01
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG23	4	1.01
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG21	4	1.01
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG22	4	1.01
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG23	4	1.01
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG21	4	1.01
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG22	4	1.01
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG23	4	1.01
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG21	4	1.01
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG22	4	1.01
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG23	4	1.01
(1,450)	1:A:56:GLN:HG3	1:A:84:THR:HB	14	1.01
(1,450)	1:A:56:GLN:HG3	1:B:84:THR:HB	14	1.01
(1,450)	1:B:56:GLN:HG3	1:A:84:THR:HB	14	1.01
(1,450)	1:B:56:GLN:HG3	1:B:84:THR:HB	14	1.01
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG21	6	1.01
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG22	6	1.01
(1,439)	1:A:86:LYS:HA	1:A:84:THR:HG23	6	1.01
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG21	6	1.01
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG22	6	1.01
(1,439)	1:A:86:LYS:HA	1:B:84:THR:HG23	6	1.01
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG21	6	1.01
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG22	6	1.01
(1,439)	1:B:86:LYS:HA	1:A:84:THR:HG23	6	1.01
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG21	6	1.01
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG22	6	1.01
(1,439)	1:B:86:LYS:HA	1:B:84:THR:HG23	6	1.01
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD21	18	1.0
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD22	18	1.0
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD21	18	1.0
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD22	18	1.0
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD21	18	1.0
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD22	18	1.0
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD21	18	1.0
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD22	18	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:A:86:LYS:HD3	1:A:87:HIS:HA	5	1.0
(1,731)	1:A:86:LYS:HD3	1:B:87:HIS:HA	5	1.0
(1,731)	1:B:86:LYS:HD3	1:A:87:HIS:HA	5	1.0
(1,731)	1:B:86:LYS:HD3	1:B:87:HIS:HA	5	1.0
(1,731)	1:A:86:LYS:HD3	1:A:87:HIS:HA	18	1.0
(1,731)	1:A:86:LYS:HD3	1:B:87:HIS:HA	18	1.0
(1,731)	1:B:86:LYS:HD3	1:A:87:HIS:HA	18	1.0
(1,731)	1:B:86:LYS:HD3	1:B:87:HIS:HA	18	1.0
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB2	10	1.0
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB3	10	1.0
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB2	10	1.0
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB3	10	1.0
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB2	10	1.0
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB3	10	1.0
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB2	10	1.0
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB3	10	1.0
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG21	5	1.0
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG22	5	1.0
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG23	5	1.0
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG21	5	1.0
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG22	5	1.0
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG23	5	1.0
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG21	5	1.0
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG22	5	1.0
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG23	5	1.0
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG21	5	1.0
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG22	5	1.0
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG23	5	1.0
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG21	5	1.0
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG22	5	1.0
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG23	5	1.0
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG21	5	1.0
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG22	5	1.0
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG23	5	1.0
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG21	5	1.0
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG22	5	1.0
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG23	5	1.0
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG21	5	1.0
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG22	5	1.0
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG23	5	1.0
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG21	14	1.0
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG22	14	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG23	14	1.0
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG21	14	1.0
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG22	14	1.0
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG23	14	1.0
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG21	14	1.0
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG22	14	1.0
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG23	14	1.0
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG21	14	1.0
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG22	14	1.0
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG23	14	1.0
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG21	14	1.0
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG22	14	1.0
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG23	14	1.0
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG21	14	1.0
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG22	14	1.0
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG23	14	1.0
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG21	14	1.0
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG22	14	1.0
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG23	14	1.0
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG21	14	1.0
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG22	14	1.0
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG23	14	1.0
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG21	15	1.0
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG22	15	1.0
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG23	15	1.0
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG21	15	1.0
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG22	15	1.0
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG23	15	1.0
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG21	15	1.0
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG22	15	1.0
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG23	15	1.0
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG21	15	1.0
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG22	15	1.0
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG23	15	1.0
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG21	15	1.0
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG22	15	1.0
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG23	15	1.0
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG21	15	1.0
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG22	15	1.0
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG23	15	1.0
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG21	15	1.0
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG22	15	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG23	15	1.0
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG21	15	1.0
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG22	15	1.0
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG23	15	1.0
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE21	14	1.0
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE22	14	1.0
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE21	14	1.0
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE22	14	1.0
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE21	14	1.0
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE22	14	1.0
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE21	14	1.0
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE22	14	1.0
(1,487)	1:A:88:LEU:HA	1:A:91:LEU:HA	10	1.0
(1,487)	1:A:88:LEU:HA	1:B:91:LEU:HA	10	1.0
(1,487)	1:B:88:LEU:HA	1:A:91:LEU:HA	10	1.0
(1,487)	1:B:88:LEU:HA	1:B:91:LEU:HA	10	1.0
(1,458)	1:A:76:GLU:HB3	1:A:80:ILE:HB	2	1.0
(1,458)	1:A:76:GLU:HB3	1:B:80:ILE:HB	2	1.0
(1,458)	1:B:76:GLU:HB3	1:A:80:ILE:HB	2	1.0
(1,458)	1:B:76:GLU:HB3	1:B:80:ILE:HB	2	1.0
(1,458)	1:A:76:GLU:HB3	1:A:80:ILE:HB	12	1.0
(1,458)	1:A:76:GLU:HB3	1:B:80:ILE:HB	12	1.0
(1,458)	1:B:76:GLU:HB3	1:A:80:ILE:HB	12	1.0
(1,458)	1:B:76:GLU:HB3	1:B:80:ILE:HB	12	1.0
(1,450)	1:A:56:GLN:HG3	1:A:84:THR:HB	12	1.0
(1,450)	1:A:56:GLN:HG3	1:B:84:THR:HB	12	1.0
(1,450)	1:B:56:GLN:HG3	1:A:84:THR:HB	12	1.0
(1,450)	1:B:56:GLN:HG3	1:B:84:THR:HB	12	1.0
(1,277)	1:A:54:LEU:HD21	1:A:80:ILE:H	14	1.0
(1,277)	1:A:54:LEU:HD21	1:B:80:ILE:H	14	1.0
(1,277)	1:B:54:LEU:HD21	1:A:80:ILE:H	14	1.0
(1,277)	1:B:54:LEU:HD21	1:B:80:ILE:H	14	1.0
(1,277)	1:B:54:LEU:HD22	1:A:80:ILE:H	14	1.0
(1,277)	1:B:54:LEU:HD22	1:B:80:ILE:H	14	1.0
(1,277)	1:B:54:LEU:HD23	1:A:80:ILE:H	14	1.0
(1,277)	1:B:54:LEU:HD23	1:B:80:ILE:H	14	1.0
(1,936)	1:A:75:LEU:H	1:A:71:ARG:O	14	0.99
(1,936)	1:A:75:LEU:H	1:B:71:ARG:O	14	0.99
(1,936)	1:B:75:LEU:H	1:A:71:ARG:O	14	0.99
(1,936)	1:B:75:LEU:H	1:B:71:ARG:O	14	0.99
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG2	11	0.99
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG3	11	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG2	11	0.99
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG3	11	0.99
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG2	11	0.99
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG3	11	0.99
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG2	11	0.99
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG3	11	0.99
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG2	11	0.99
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG3	11	0.99
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG2	11	0.99
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG3	11	0.99
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG2	11	0.99
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG3	11	0.99
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG2	11	0.99
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG3	11	0.99
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG2	14	0.99
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG3	14	0.99
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG2	14	0.99
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG3	14	0.99
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG2	14	0.99
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG3	14	0.99
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG2	14	0.99
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG3	14	0.99
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG2	14	0.99
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG3	14	0.99
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG2	14	0.99
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG3	14	0.99
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG2	14	0.99
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG3	14	0.99
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG2	14	0.99
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG3	14	0.99
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD21	6	0.99
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD22	6	0.99
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD21	6	0.99
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD22	6	0.99
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD21	6	0.99
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD22	6	0.99
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD21	6	0.99
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD22	6	0.99
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD21	16	0.99
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD22	16	0.99
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD21	16	0.99
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD22	16	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD21	16	0.99
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD22	16	0.99
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD21	16	0.99
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD22	16	0.99
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD21	20	0.99
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD22	20	0.99
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD21	20	0.99
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD22	20	0.99
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD21	20	0.99
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD22	20	0.99
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD21	20	0.99
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD22	20	0.99
(1,760)	1:A:86:LYS:HG2	1:A:87:HIS:H	3	0.99
(1,760)	1:A:86:LYS:HG2	1:B:87:HIS:H	3	0.99
(1,760)	1:B:86:LYS:HG2	1:A:87:HIS:H	3	0.99
(1,760)	1:B:86:LYS:HG2	1:B:87:HIS:H	3	0.99
(1,754)	1:A:86:LYS:HD3	1:A:87:HIS:H	4	0.99
(1,754)	1:A:86:LYS:HD3	1:B:87:HIS:H	4	0.99
(1,754)	1:B:86:LYS:HD3	1:A:87:HIS:H	4	0.99
(1,754)	1:B:86:LYS:HD3	1:B:87:HIS:H	4	0.99
(1,713)	1:A:87:HIS:HA	1:A:87:HIS:HD2	10	0.99
(1,713)	1:A:87:HIS:HA	1:B:87:HIS:HD2	10	0.99
(1,713)	1:B:87:HIS:HA	1:A:87:HIS:HD2	10	0.99
(1,713)	1:B:87:HIS:HA	1:B:87:HIS:HD2	10	0.99
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG21	12	0.99
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG22	12	0.99
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG23	12	0.99
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG21	12	0.99
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG22	12	0.99
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG23	12	0.99
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG21	12	0.99
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG22	12	0.99
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG23	12	0.99
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG21	12	0.99
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG22	12	0.99
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG23	12	0.99
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG21	12	0.99
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG22	12	0.99
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG23	12	0.99
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG21	12	0.99
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG22	12	0.99
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG23	12	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG21	12	0.99
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG22	12	0.99
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG23	12	0.99
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG21	12	0.99
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG22	12	0.99
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG23	12	0.99
(1,41)	1:A:67:LYS:HG2	1:A:69:SER:H	17	0.99
(1,41)	1:A:67:LYS:HG2	1:B:69:SER:H	17	0.99
(1,41)	1:A:67:LYS:HG3	1:A:69:SER:H	17	0.99
(1,41)	1:A:67:LYS:HG3	1:B:69:SER:H	17	0.99
(1,41)	1:B:67:LYS:HG2	1:A:69:SER:H	17	0.99
(1,41)	1:B:67:LYS:HG2	1:B:69:SER:H	17	0.99
(1,41)	1:B:67:LYS:HG3	1:A:69:SER:H	17	0.99
(1,41)	1:B:67:LYS:HG3	1:B:69:SER:H	17	0.99
(1,760)	1:A:86:LYS:HG2	1:A:87:HIS:H	8	0.98
(1,760)	1:A:86:LYS:HG2	1:B:87:HIS:H	8	0.98
(1,760)	1:B:86:LYS:HG2	1:A:87:HIS:H	8	0.98
(1,760)	1:B:86:LYS:HG2	1:B:87:HIS:H	8	0.98
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG21	7	0.98
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG22	7	0.98
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG23	7	0.98
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG21	7	0.98
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG22	7	0.98
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG23	7	0.98
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG21	7	0.98
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG22	7	0.98
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG23	7	0.98
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG21	7	0.98
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG22	7	0.98
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG23	7	0.98
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG21	7	0.98
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG22	7	0.98
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG23	7	0.98
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG21	7	0.98
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG22	7	0.98
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG23	7	0.98
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG21	7	0.98
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG22	7	0.98
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG23	7	0.98
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG21	7	0.98
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG22	7	0.98
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG23	7	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,458)	1:A:76:GLU:HB3	1:A:80:ILE:HB	13	0.98
(1,458)	1:A:76:GLU:HB3	1:B:80:ILE:HB	13	0.98
(1,458)	1:B:76:GLU:HB3	1:A:80:ILE:HB	13	0.98
(1,458)	1:B:76:GLU:HB3	1:B:80:ILE:HB	13	0.98
(1,35)	1:A:66:LYS:HG2	1:A:67:LYS:H	15	0.98
(1,35)	1:A:66:LYS:HG2	1:B:67:LYS:H	15	0.98
(1,35)	1:B:66:LYS:HG2	1:A:67:LYS:H	15	0.98
(1,35)	1:B:66:LYS:HG2	1:B:67:LYS:H	15	0.98
(1,760)	1:A:86:LYS:HG2	1:A:87:HIS:H	2	0.97
(1,760)	1:A:86:LYS:HG2	1:B:87:HIS:H	2	0.97
(1,760)	1:B:86:LYS:HG2	1:A:87:HIS:H	2	0.97
(1,760)	1:B:86:LYS:HG2	1:B:87:HIS:H	2	0.97
(1,754)	1:A:86:LYS:HD3	1:A:87:HIS:H	19	0.97
(1,754)	1:A:86:LYS:HD3	1:B:87:HIS:H	19	0.97
(1,754)	1:B:86:LYS:HD3	1:A:87:HIS:H	19	0.97
(1,754)	1:B:86:LYS:HD3	1:B:87:HIS:H	19	0.97
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG21	1	0.97
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG22	1	0.97
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG23	1	0.97
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG21	1	0.97
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG22	1	0.97
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG23	1	0.97
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG21	1	0.97
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG22	1	0.97
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG23	1	0.97
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG21	1	0.97
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG22	1	0.97
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG23	1	0.97
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG21	1	0.97
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG22	1	0.97
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG23	1	0.97
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG21	1	0.97
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG22	1	0.97
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG23	1	0.97
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG21	1	0.97
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG22	1	0.97
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG23	1	0.97
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG21	1	0.97
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG22	1	0.97
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG23	1	0.97
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	9	0.97
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	9	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	9	0.97
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	9	0.97
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	9	0.97
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	9	0.97
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	9	0.97
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	9	0.97
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	9	0.97
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	9	0.97
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	9	0.97
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	9	0.97
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE1	12	0.97
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE2	12	0.97
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE3	12	0.97
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE1	12	0.97
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE2	12	0.97
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE3	12	0.97
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE1	12	0.97
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE2	12	0.97
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE3	12	0.97
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE1	12	0.97
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE2	12	0.97
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE3	12	0.97
(1,936)	1:A:75:LEU:H	1:A:71:ARG:O	3	0.96
(1,936)	1:A:75:LEU:H	1:B:71:ARG:O	3	0.96
(1,936)	1:B:75:LEU:H	1:A:71:ARG:O	3	0.96
(1,936)	1:B:75:LEU:H	1:B:71:ARG:O	3	0.96
(1,934)	1:A:74:LYS:H	1:A:70:SER:O	6	0.96
(1,934)	1:A:74:LYS:H	1:B:70:SER:O	6	0.96
(1,934)	1:B:74:LYS:H	1:A:70:SER:O	6	0.96
(1,934)	1:B:74:LYS:H	1:B:70:SER:O	6	0.96
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG2	20	0.96
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG3	20	0.96
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG2	20	0.96
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG3	20	0.96
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG2	20	0.96
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG3	20	0.96
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG2	20	0.96
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG3	20	0.96
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG2	20	0.96
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG3	20	0.96
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG2	20	0.96
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG3	20	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG2	20	0.96
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG3	20	0.96
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG2	20	0.96
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG3	20	0.96
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD21	10	0.96
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD22	10	0.96
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD21	10	0.96
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD22	10	0.96
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD21	10	0.96
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD22	10	0.96
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD21	10	0.96
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD22	10	0.96
(1,803)	1:A:57:LEU:HD11	1:A:83:MET:H	4	0.96
(1,803)	1:A:57:LEU:HD11	1:B:83:MET:H	4	0.96
(1,803)	1:B:57:LEU:HD11	1:A:83:MET:H	4	0.96
(1,803)	1:B:57:LEU:HD11	1:B:83:MET:H	4	0.96
(1,803)	1:B:57:LEU:HD12	1:A:83:MET:H	4	0.96
(1,803)	1:B:57:LEU:HD12	1:B:83:MET:H	4	0.96
(1,803)	1:B:57:LEU:HD13	1:A:83:MET:H	4	0.96
(1,803)	1:B:57:LEU:HD13	1:B:83:MET:H	4	0.96
(1,803)	1:B:57:LEU:HD21	1:A:83:MET:H	4	0.96
(1,803)	1:B:57:LEU:HD21	1:B:83:MET:H	4	0.96
(1,803)	1:B:57:LEU:HD22	1:A:83:MET:H	4	0.96
(1,803)	1:B:57:LEU:HD22	1:B:83:MET:H	4	0.96
(1,803)	1:B:57:LEU:HD23	1:A:83:MET:H	4	0.96
(1,803)	1:B:57:LEU:HD23	1:B:83:MET:H	4	0.96
(1,803)	1:A:57:LEU:HD11	1:A:83:MET:H	16	0.96
(1,803)	1:A:57:LEU:HD11	1:B:83:MET:H	16	0.96
(1,803)	1:B:57:LEU:HD11	1:A:83:MET:H	16	0.96
(1,803)	1:B:57:LEU:HD11	1:B:83:MET:H	16	0.96
(1,803)	1:B:57:LEU:HD12	1:A:83:MET:H	16	0.96
(1,803)	1:B:57:LEU:HD12	1:B:83:MET:H	16	0.96
(1,803)	1:B:57:LEU:HD13	1:A:83:MET:H	16	0.96
(1,803)	1:B:57:LEU:HD13	1:B:83:MET:H	16	0.96
(1,803)	1:B:57:LEU:HD21	1:A:83:MET:H	16	0.96
(1,803)	1:B:57:LEU:HD21	1:B:83:MET:H	16	0.96
(1,803)	1:B:57:LEU:HD22	1:A:83:MET:H	16	0.96
(1,803)	1:B:57:LEU:HD22	1:B:83:MET:H	16	0.96
(1,803)	1:B:57:LEU:HD23	1:A:83:MET:H	16	0.96
(1,803)	1:B:57:LEU:HD23	1:B:83:MET:H	16	0.96
(1,803)	1:A:57:LEU:HD11	1:A:83:MET:H	18	0.96
(1,803)	1:A:57:LEU:HD11	1:B:83:MET:H	18	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:B:57:LEU:HD11	1:A:83:MET:H	18	0.96
(1,803)	1:B:57:LEU:HD11	1:B:83:MET:H	18	0.96
(1,803)	1:B:57:LEU:HD12	1:A:83:MET:H	18	0.96
(1,803)	1:B:57:LEU:HD12	1:B:83:MET:H	18	0.96
(1,803)	1:B:57:LEU:HD13	1:A:83:MET:H	18	0.96
(1,803)	1:B:57:LEU:HD13	1:B:83:MET:H	18	0.96
(1,803)	1:B:57:LEU:HD21	1:A:83:MET:H	18	0.96
(1,803)	1:B:57:LEU:HD21	1:B:83:MET:H	18	0.96
(1,803)	1:B:57:LEU:HD22	1:A:83:MET:H	18	0.96
(1,803)	1:B:57:LEU:HD22	1:B:83:MET:H	18	0.96
(1,803)	1:B:57:LEU:HD23	1:A:83:MET:H	18	0.96
(1,803)	1:B:57:LEU:HD23	1:B:83:MET:H	18	0.96
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG21	9	0.96
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG22	9	0.96
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG23	9	0.96
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG21	9	0.96
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG22	9	0.96
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG23	9	0.96
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG21	9	0.96
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG22	9	0.96
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG23	9	0.96
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG21	9	0.96
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG22	9	0.96
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG23	9	0.96
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG21	9	0.96
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG22	9	0.96
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG23	9	0.96
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG21	9	0.96
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG22	9	0.96
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG23	9	0.96
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG21	9	0.96
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG22	9	0.96
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG23	9	0.96
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG21	9	0.96
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG22	9	0.96
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG23	9	0.96
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG21	9	0.96
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG22	9	0.96
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG23	9	0.96
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG21	9	0.96
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG22	9	0.96
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG23	9	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG21	9	0.96
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG22	9	0.96
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG23	9	0.96
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG21	9	0.96
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG22	9	0.96
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG23	9	0.96
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG2	15	0.96
(1,583)	1:A:76:GLU:HB2	1:A:77:LYS:HG3	15	0.96
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG2	15	0.96
(1,583)	1:A:76:GLU:HB2	1:B:77:LYS:HG3	15	0.96
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG2	15	0.96
(1,583)	1:B:76:GLU:HB2	1:A:77:LYS:HG3	15	0.96
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG2	15	0.96
(1,583)	1:B:76:GLU:HB2	1:B:77:LYS:HG3	15	0.96
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE21	10	0.96
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE22	10	0.96
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE21	10	0.96
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE22	10	0.96
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE21	10	0.96
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE22	10	0.96
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE21	10	0.96
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE22	10	0.96
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE21	17	0.96
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE22	17	0.96
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE21	17	0.96
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE22	17	0.96
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE21	17	0.96
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE22	17	0.96
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE21	17	0.96
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE22	17	0.96
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE1	16	0.96
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE2	16	0.96
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE3	16	0.96
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE1	16	0.96
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE2	16	0.96
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE3	16	0.96
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE1	16	0.96
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE2	16	0.96
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE3	16	0.96
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE1	16	0.96
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE2	16	0.96
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE3	16	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,483)	1:A:76:GLU:HA	1:A:80:ILE:HB	1	0.96
(1,483)	1:A:76:GLU:HA	1:B:80:ILE:HB	1	0.96
(1,483)	1:B:76:GLU:HA	1:A:80:ILE:HB	1	0.96
(1,483)	1:B:76:GLU:HA	1:B:80:ILE:HB	1	0.96
(1,458)	1:A:76:GLU:HB3	1:A:80:ILE:HB	6	0.96
(1,458)	1:A:76:GLU:HB3	1:B:80:ILE:HB	6	0.96
(1,458)	1:B:76:GLU:HB3	1:A:80:ILE:HB	6	0.96
(1,458)	1:B:76:GLU:HB3	1:B:80:ILE:HB	6	0.96
(1,458)	1:A:76:GLU:HB3	1:A:80:ILE:HB	15	0.96
(1,458)	1:A:76:GLU:HB3	1:B:80:ILE:HB	15	0.96
(1,458)	1:B:76:GLU:HB3	1:A:80:ILE:HB	15	0.96
(1,458)	1:B:76:GLU:HB3	1:B:80:ILE:HB	15	0.96
(1,270)	1:A:79:ASP:H	1:A:54:LEU:HD21	9	0.96
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD21	9	0.96
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD22	9	0.96
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD23	9	0.96
(1,270)	1:B:79:ASP:H	1:A:54:LEU:HD21	9	0.96
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD21	9	0.96
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD22	9	0.96
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD23	9	0.96
(1,934)	1:A:74:LYS:H	1:A:70:SER:O	17	0.95
(1,934)	1:A:74:LYS:H	1:B:70:SER:O	17	0.95
(1,934)	1:B:74:LYS:H	1:A:70:SER:O	17	0.95
(1,934)	1:B:74:LYS:H	1:B:70:SER:O	17	0.95
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD21	9	0.95
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD22	9	0.95
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD21	9	0.95
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD22	9	0.95
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD21	9	0.95
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD22	9	0.95
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD21	9	0.95
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD22	9	0.95
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE21	16	0.95
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE22	16	0.95
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE21	16	0.95
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE22	16	0.95
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE21	16	0.95
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE22	16	0.95
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE21	16	0.95
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE22	16	0.95
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG2	2	0.94
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG3	2	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG2	2	0.94
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG3	2	0.94
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG2	2	0.94
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG3	2	0.94
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG2	2	0.94
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG3	2	0.94
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG2	2	0.94
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG3	2	0.94
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG2	2	0.94
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG3	2	0.94
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG2	2	0.94
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG3	2	0.94
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG2	2	0.94
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG3	2	0.94
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG2	8	0.94
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG3	8	0.94
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG2	8	0.94
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG3	8	0.94
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG2	8	0.94
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG3	8	0.94
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG2	8	0.94
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG3	8	0.94
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG2	8	0.94
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG3	8	0.94
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG2	8	0.94
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG3	8	0.94
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG2	8	0.94
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG3	8	0.94
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG2	8	0.94
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG3	8	0.94
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD21	8	0.94
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD22	8	0.94
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD21	8	0.94
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD22	8	0.94
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD21	8	0.94
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD22	8	0.94
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD21	8	0.94
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD22	8	0.94
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG21	8	0.94
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG22	8	0.94
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG23	8	0.94
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG21	8	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG22	8	0.94
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG23	8	0.94
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG21	8	0.94
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG22	8	0.94
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG23	8	0.94
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG21	8	0.94
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG22	8	0.94
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG23	8	0.94
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG21	8	0.94
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG22	8	0.94
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG23	8	0.94
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG21	8	0.94
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG22	8	0.94
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG23	8	0.94
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG21	8	0.94
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG22	8	0.94
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG23	8	0.94
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG21	8	0.94
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG22	8	0.94
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG23	8	0.94
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG21	17	0.94
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG22	17	0.94
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG23	17	0.94
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG21	17	0.94
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG22	17	0.94
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG23	17	0.94
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG21	17	0.94
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG22	17	0.94
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG23	17	0.94
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG21	17	0.94
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG22	17	0.94
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG23	17	0.94
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG21	17	0.94
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG22	17	0.94
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG23	17	0.94
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG21	17	0.94
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG22	17	0.94
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG23	17	0.94
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG21	17	0.94
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG22	17	0.94
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG23	17	0.94
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG21	17	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG22	17	0.94
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG23	17	0.94
(1,458)	1:A:76:GLU:HB3	1:A:80:ILE:HB	7	0.94
(1,458)	1:A:76:GLU:HB3	1:B:80:ILE:HB	7	0.94
(1,458)	1:B:76:GLU:HB3	1:A:80:ILE:HB	7	0.94
(1,458)	1:B:76:GLU:HB3	1:B:80:ILE:HB	7	0.94
(1,458)	1:A:76:GLU:HB3	1:A:80:ILE:HB	18	0.94
(1,458)	1:A:76:GLU:HB3	1:B:80:ILE:HB	18	0.94
(1,458)	1:B:76:GLU:HB3	1:A:80:ILE:HB	18	0.94
(1,458)	1:B:76:GLU:HB3	1:B:80:ILE:HB	18	0.94
(1,270)	1:A:79:ASP:H	1:A:54:LEU:HD21	6	0.94
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD21	6	0.94
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD22	6	0.94
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD23	6	0.94
(1,270)	1:B:79:ASP:H	1:A:54:LEU:HD21	6	0.94
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD21	6	0.94
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD22	6	0.94
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD23	6	0.94
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD21	5	0.93
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD22	5	0.93
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD21	5	0.93
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD22	5	0.93
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD21	5	0.93
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD22	5	0.93
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD21	5	0.93
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD22	5	0.93
(1,803)	1:A:57:LEU:HD11	1:A:83:MET:H	11	0.93
(1,803)	1:A:57:LEU:HD11	1:B:83:MET:H	11	0.93
(1,803)	1:B:57:LEU:HD11	1:A:83:MET:H	11	0.93
(1,803)	1:B:57:LEU:HD11	1:B:83:MET:H	11	0.93
(1,803)	1:B:57:LEU:HD12	1:A:83:MET:H	11	0.93
(1,803)	1:B:57:LEU:HD12	1:B:83:MET:H	11	0.93
(1,803)	1:B:57:LEU:HD13	1:A:83:MET:H	11	0.93
(1,803)	1:B:57:LEU:HD13	1:B:83:MET:H	11	0.93
(1,803)	1:B:57:LEU:HD21	1:A:83:MET:H	11	0.93
(1,803)	1:B:57:LEU:HD21	1:B:83:MET:H	11	0.93
(1,803)	1:B:57:LEU:HD22	1:A:83:MET:H	11	0.93
(1,803)	1:B:57:LEU:HD22	1:B:83:MET:H	11	0.93
(1,803)	1:B:57:LEU:HD23	1:A:83:MET:H	11	0.93
(1,803)	1:B:57:LEU:HD23	1:B:83:MET:H	11	0.93
(1,803)	1:A:57:LEU:HD11	1:A:83:MET:H	19	0.93
(1,803)	1:A:57:LEU:HD11	1:B:83:MET:H	19	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:B:57:LEU:HD11	1:A:83:MET:H	19	0.93
(1,803)	1:B:57:LEU:HD11	1:B:83:MET:H	19	0.93
(1,803)	1:B:57:LEU:HD12	1:A:83:MET:H	19	0.93
(1,803)	1:B:57:LEU:HD12	1:B:83:MET:H	19	0.93
(1,803)	1:B:57:LEU:HD13	1:A:83:MET:H	19	0.93
(1,803)	1:B:57:LEU:HD13	1:B:83:MET:H	19	0.93
(1,803)	1:B:57:LEU:HD21	1:A:83:MET:H	19	0.93
(1,803)	1:B:57:LEU:HD21	1:B:83:MET:H	19	0.93
(1,803)	1:B:57:LEU:HD22	1:A:83:MET:H	19	0.93
(1,803)	1:B:57:LEU:HD22	1:B:83:MET:H	19	0.93
(1,803)	1:B:57:LEU:HD23	1:A:83:MET:H	19	0.93
(1,803)	1:B:57:LEU:HD23	1:B:83:MET:H	19	0.93
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG21	13	0.93
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG22	13	0.93
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG23	13	0.93
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG21	13	0.93
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG22	13	0.93
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG23	13	0.93
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG21	13	0.93
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG22	13	0.93
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG23	13	0.93
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG21	13	0.93
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG22	13	0.93
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG23	13	0.93
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG21	13	0.93
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG22	13	0.93
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG23	13	0.93
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG21	13	0.93
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG22	13	0.93
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG23	13	0.93
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG21	13	0.93
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG22	13	0.93
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG23	13	0.93
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG21	13	0.93
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG22	13	0.93
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG23	13	0.93
(1,277)	1:A:54:LEU:HD21	1:A:80:ILE:H	3	0.93
(1,277)	1:A:54:LEU:HD21	1:B:80:ILE:H	3	0.93
(1,277)	1:B:54:LEU:HD21	1:A:80:ILE:H	3	0.93
(1,277)	1:B:54:LEU:HD21	1:B:80:ILE:H	3	0.93
(1,277)	1:B:54:LEU:HD22	1:A:80:ILE:H	3	0.93
(1,277)	1:B:54:LEU:HD22	1:B:80:ILE:H	3	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,277)	1:B:54:LEU:HD23	1:A:80:ILE:H	3	0.93
(1,277)	1:B:54:LEU:HD23	1:B:80:ILE:H	3	0.93
(1,277)	1:A:54:LEU:HD21	1:A:80:ILE:H	8	0.93
(1,277)	1:A:54:LEU:HD21	1:B:80:ILE:H	8	0.93
(1,277)	1:B:54:LEU:HD21	1:A:80:ILE:H	8	0.93
(1,277)	1:B:54:LEU:HD21	1:B:80:ILE:H	8	0.93
(1,277)	1:B:54:LEU:HD22	1:A:80:ILE:H	8	0.93
(1,277)	1:B:54:LEU:HD22	1:B:80:ILE:H	8	0.93
(1,277)	1:B:54:LEU:HD23	1:A:80:ILE:H	8	0.93
(1,277)	1:B:54:LEU:HD23	1:B:80:ILE:H	8	0.93
(1,935)	1:A:74:LYS:N	1:A:70:SER:O	2	0.92
(1,935)	1:A:74:LYS:N	1:B:70:SER:O	2	0.92
(1,935)	1:B:74:LYS:N	1:A:70:SER:O	2	0.92
(1,935)	1:B:74:LYS:N	1:B:70:SER:O	2	0.92
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG2	3	0.92
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG3	3	0.92
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG2	3	0.92
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG3	3	0.92
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG2	3	0.92
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG3	3	0.92
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG2	3	0.92
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG3	3	0.92
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG2	3	0.92
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG3	3	0.92
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG2	3	0.92
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG3	3	0.92
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG2	3	0.92
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG3	3	0.92
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG2	3	0.92
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG3	3	0.92
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD21	2	0.92
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD22	2	0.92
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD21	2	0.92
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD22	2	0.92
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD21	2	0.92
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD22	2	0.92
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD21	2	0.92
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD22	2	0.92
(1,817)	1:A:60:LEU:HD11	1:A:88:LEU:HB2	6	0.92
(1,817)	1:A:60:LEU:HD11	1:B:88:LEU:HB2	6	0.92
(1,817)	1:B:60:LEU:HD11	1:A:88:LEU:HB2	6	0.92
(1,817)	1:B:60:LEU:HD11	1:B:88:LEU:HB2	6	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,817)	1:B:60:LEU:HD12	1:A:88:LEU:HB2	6	0.92
(1,817)	1:B:60:LEU:HD12	1:B:88:LEU:HB2	6	0.92
(1,817)	1:B:60:LEU:HD13	1:A:88:LEU:HB2	6	0.92
(1,817)	1:B:60:LEU:HD13	1:B:88:LEU:HB2	6	0.92
(1,817)	1:B:60:LEU:HD21	1:A:88:LEU:HB2	6	0.92
(1,817)	1:B:60:LEU:HD21	1:B:88:LEU:HB2	6	0.92
(1,817)	1:B:60:LEU:HD22	1:A:88:LEU:HB2	6	0.92
(1,817)	1:B:60:LEU:HD22	1:B:88:LEU:HB2	6	0.92
(1,817)	1:B:60:LEU:HD23	1:A:88:LEU:HB2	6	0.92
(1,817)	1:B:60:LEU:HD23	1:B:88:LEU:HB2	6	0.92
(1,803)	1:A:57:LEU:HD11	1:A:83:MET:H	13	0.92
(1,803)	1:A:57:LEU:HD11	1:B:83:MET:H	13	0.92
(1,803)	1:B:57:LEU:HD11	1:A:83:MET:H	13	0.92
(1,803)	1:B:57:LEU:HD11	1:B:83:MET:H	13	0.92
(1,803)	1:B:57:LEU:HD12	1:A:83:MET:H	13	0.92
(1,803)	1:B:57:LEU:HD12	1:B:83:MET:H	13	0.92
(1,803)	1:B:57:LEU:HD13	1:A:83:MET:H	13	0.92
(1,803)	1:B:57:LEU:HD13	1:B:83:MET:H	13	0.92
(1,803)	1:B:57:LEU:HD21	1:A:83:MET:H	13	0.92
(1,803)	1:B:57:LEU:HD21	1:B:83:MET:H	13	0.92
(1,803)	1:B:57:LEU:HD22	1:A:83:MET:H	13	0.92
(1,803)	1:B:57:LEU:HD22	1:B:83:MET:H	13	0.92
(1,803)	1:B:57:LEU:HD23	1:A:83:MET:H	13	0.92
(1,803)	1:B:57:LEU:HD23	1:B:83:MET:H	13	0.92
(1,788)	1:A:65:LEU:HG	1:A:66:LYS:H	2	0.92
(1,788)	1:A:65:LEU:HG	1:B:66:LYS:H	2	0.92
(1,788)	1:B:65:LEU:HG	1:A:66:LYS:H	2	0.92
(1,788)	1:B:65:LEU:HG	1:B:66:LYS:H	2	0.92
(1,788)	1:A:65:LEU:HG	1:A:66:LYS:H	14	0.92
(1,788)	1:A:65:LEU:HG	1:B:66:LYS:H	14	0.92
(1,788)	1:B:65:LEU:HG	1:A:66:LYS:H	14	0.92
(1,788)	1:B:65:LEU:HG	1:B:66:LYS:H	14	0.92
(1,713)	1:A:87:HIS:HA	1:A:87:HIS:HD2	1	0.92
(1,713)	1:A:87:HIS:HA	1:B:87:HIS:HD2	1	0.92
(1,713)	1:B:87:HIS:HA	1:A:87:HIS:HD2	1	0.92
(1,713)	1:B:87:HIS:HA	1:B:87:HIS:HD2	1	0.92
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG21	19	0.92
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG22	19	0.92
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG23	19	0.92
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG21	19	0.92
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG22	19	0.92
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG23	19	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG21	19	0.92
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG22	19	0.92
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG23	19	0.92
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG21	19	0.92
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG22	19	0.92
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG23	19	0.92
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG21	19	0.92
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG22	19	0.92
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG23	19	0.92
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG21	19	0.92
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG22	19	0.92
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG23	19	0.92
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG21	19	0.92
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG22	19	0.92
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG23	19	0.92
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG21	19	0.92
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG22	19	0.92
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG23	19	0.92
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE21	1	0.92
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE22	1	0.92
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE21	1	0.92
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE22	1	0.92
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE21	1	0.92
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE22	1	0.92
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE21	1	0.92
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE22	1	0.92
(1,458)	1:A:76:GLU:HB3	1:A:80:ILE:HB	14	0.92
(1,458)	1:A:76:GLU:HB3	1:B:80:ILE:HB	14	0.92
(1,458)	1:B:76:GLU:HB3	1:A:80:ILE:HB	14	0.92
(1,458)	1:B:76:GLU:HB3	1:B:80:ILE:HB	14	0.92
(1,431)	1:A:71:ARG:HG2	1:A:75:LEU:HA	10	0.92
(1,431)	1:A:71:ARG:HG2	1:B:75:LEU:HA	10	0.92
(1,431)	1:B:71:ARG:HG2	1:A:75:LEU:HA	10	0.92
(1,431)	1:B:71:ARG:HG2	1:B:75:LEU:HA	10	0.92
(1,420)	1:A:87:HIS:HD2	1:A:91:LEU:HA	3	0.92
(1,420)	1:A:87:HIS:HD2	1:B:91:LEU:HA	3	0.92
(1,420)	1:B:87:HIS:HD2	1:A:91:LEU:HA	3	0.92
(1,420)	1:B:87:HIS:HD2	1:B:91:LEU:HA	3	0.92
(1,35)	1:A:66:LYS:HG2	1:A:67:LYS:H	19	0.92
(1,35)	1:A:66:LYS:HG2	1:B:67:LYS:H	19	0.92
(1,35)	1:B:66:LYS:HG2	1:A:67:LYS:H	19	0.92
(1,35)	1:B:66:LYS:HG2	1:B:67:LYS:H	19	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG2	12	0.91
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG3	12	0.91
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG2	12	0.91
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG3	12	0.91
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG2	12	0.91
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG3	12	0.91
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG2	12	0.91
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG3	12	0.91
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG2	12	0.91
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG3	12	0.91
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG2	12	0.91
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG3	12	0.91
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG2	12	0.91
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG3	12	0.91
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG2	12	0.91
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG3	12	0.91
(1,803)	1:A:57:LEU:HD11	1:A:83:MET:H	3	0.91
(1,803)	1:A:57:LEU:HD11	1:B:83:MET:H	3	0.91
(1,803)	1:B:57:LEU:HD11	1:A:83:MET:H	3	0.91
(1,803)	1:B:57:LEU:HD11	1:B:83:MET:H	3	0.91
(1,803)	1:B:57:LEU:HD12	1:A:83:MET:H	3	0.91
(1,803)	1:B:57:LEU:HD12	1:B:83:MET:H	3	0.91
(1,803)	1:B:57:LEU:HD13	1:A:83:MET:H	3	0.91
(1,803)	1:B:57:LEU:HD13	1:B:83:MET:H	3	0.91
(1,803)	1:B:57:LEU:HD21	1:A:83:MET:H	3	0.91
(1,803)	1:B:57:LEU:HD21	1:B:83:MET:H	3	0.91
(1,803)	1:B:57:LEU:HD22	1:A:83:MET:H	3	0.91
(1,803)	1:B:57:LEU:HD22	1:B:83:MET:H	3	0.91
(1,803)	1:B:57:LEU:HD23	1:A:83:MET:H	3	0.91
(1,803)	1:B:57:LEU:HD23	1:B:83:MET:H	3	0.91
(1,789)	1:A:66:LYS:HA	1:A:69:SER:HG	7	0.91
(1,789)	1:A:66:LYS:HA	1:B:69:SER:HG	7	0.91
(1,789)	1:B:66:LYS:HA	1:A:69:SER:HG	7	0.91
(1,789)	1:B:66:LYS:HA	1:B:69:SER:HG	7	0.91
(1,731)	1:A:86:LYS:HD3	1:A:87:HIS:HA	6	0.91
(1,731)	1:A:86:LYS:HD3	1:B:87:HIS:HA	6	0.91
(1,731)	1:B:86:LYS:HD3	1:A:87:HIS:HA	6	0.91
(1,731)	1:B:86:LYS:HD3	1:B:87:HIS:HA	6	0.91
(1,731)	1:A:86:LYS:HD3	1:A:87:HIS:HA	14	0.91
(1,731)	1:A:86:LYS:HD3	1:B:87:HIS:HA	14	0.91
(1,731)	1:B:86:LYS:HD3	1:A:87:HIS:HA	14	0.91
(1,731)	1:B:86:LYS:HD3	1:B:87:HIS:HA	14	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	1	0.91
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	1	0.91
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	1	0.91
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	1	0.91
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	1	0.91
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	1	0.91
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	1	0.91
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	1	0.91
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	1	0.91
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	1	0.91
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	1	0.91
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	1	0.91
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	2	0.91
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	2	0.91
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	2	0.91
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	2	0.91
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	2	0.91
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	2	0.91
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	2	0.91
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	2	0.91
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	2	0.91
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	2	0.91
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	2	0.91
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	2	0.91
(1,482)	1:A:81:LEU:HA	1:A:84:THR:HB	10	0.91
(1,482)	1:A:81:LEU:HA	1:B:84:THR:HB	10	0.91
(1,482)	1:B:81:LEU:HA	1:A:84:THR:HB	10	0.91
(1,482)	1:B:81:LEU:HA	1:B:84:THR:HB	10	0.91
(1,35)	1:A:66:LYS:HG2	1:A:67:LYS:H	10	0.91
(1,35)	1:A:66:LYS:HG2	1:B:67:LYS:H	10	0.91
(1,35)	1:B:66:LYS:HG2	1:A:67:LYS:H	10	0.91
(1,35)	1:B:66:LYS:HG2	1:B:67:LYS:H	10	0.91
(1,270)	1:A:79:ASP:H	1:A:54:LEU:HD21	15	0.91
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD21	15	0.91
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD22	15	0.91
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD23	15	0.91
(1,270)	1:B:79:ASP:H	1:A:54:LEU:HD21	15	0.91
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD21	15	0.91
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD22	15	0.91
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD23	15	0.91
(1,936)	1:A:75:LEU:H	1:A:71:ARG:O	17	0.9
(1,936)	1:A:75:LEU:H	1:B:71:ARG:O	17	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,936)	1:B:75:LEU:H	1:A:71:ARG:O	17	0.9
(1,936)	1:B:75:LEU:H	1:B:71:ARG:O	17	0.9
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG2	9	0.9
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG3	9	0.9
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG2	9	0.9
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG3	9	0.9
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG2	9	0.9
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG3	9	0.9
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG2	9	0.9
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG3	9	0.9
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG2	9	0.9
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG3	9	0.9
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG2	9	0.9
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG3	9	0.9
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG2	9	0.9
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG3	9	0.9
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG2	9	0.9
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG3	9	0.9
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD21	11	0.9
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD22	11	0.9
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD21	11	0.9
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD22	11	0.9
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD21	11	0.9
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD22	11	0.9
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD21	11	0.9
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD22	11	0.9
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD21	12	0.9
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD22	12	0.9
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD21	12	0.9
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD22	12	0.9
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD21	12	0.9
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD22	12	0.9
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD21	12	0.9
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD22	12	0.9
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD21	13	0.9
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD22	13	0.9
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD21	13	0.9
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD22	13	0.9
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD21	13	0.9
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD22	13	0.9
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD21	13	0.9
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD22	13	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,754)	1:A:86:LYS:HD3	1:A:87:HIS:H	11	0.9
(1,754)	1:A:86:LYS:HD3	1:B:87:HIS:H	11	0.9
(1,754)	1:B:86:LYS:HD3	1:A:87:HIS:H	11	0.9
(1,754)	1:B:86:LYS:HD3	1:B:87:HIS:H	11	0.9
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	8	0.9
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	8	0.9
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	8	0.9
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	8	0.9
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	8	0.9
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	8	0.9
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	8	0.9
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	8	0.9
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	8	0.9
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	8	0.9
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	8	0.9
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	8	0.9
(1,270)	1:A:79:ASP:H	1:A:54:LEU:HD21	19	0.9
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD21	19	0.9
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD22	19	0.9
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD23	19	0.9
(1,270)	1:B:79:ASP:H	1:A:54:LEU:HD21	19	0.9
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD21	19	0.9
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD22	19	0.9
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD23	19	0.9
(1,934)	1:A:74:LYS:H	1:A:70:SER:O	9	0.89
(1,934)	1:A:74:LYS:H	1:B:70:SER:O	9	0.89
(1,934)	1:B:74:LYS:H	1:A:70:SER:O	9	0.89
(1,934)	1:B:74:LYS:H	1:B:70:SER:O	9	0.89
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG2	18	0.89
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG3	18	0.89
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG2	18	0.89
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG3	18	0.89
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG2	18	0.89
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG3	18	0.89
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG2	18	0.89
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG3	18	0.89
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG2	18	0.89
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG3	18	0.89
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG2	18	0.89
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG3	18	0.89
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG2	18	0.89
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG3	18	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG2	18	0.89
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG3	18	0.89
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD21	1	0.89
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD22	1	0.89
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD21	1	0.89
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD22	1	0.89
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD21	1	0.89
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD22	1	0.89
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD21	1	0.89
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD22	1	0.89
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD11	14	0.89
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD12	14	0.89
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD13	14	0.89
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD11	14	0.89
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD12	14	0.89
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD13	14	0.89
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD11	14	0.89
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD12	14	0.89
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD13	14	0.89
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD11	14	0.89
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD12	14	0.89
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD13	14	0.89
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE1	11	0.89
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE2	11	0.89
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE3	11	0.89
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE1	11	0.89
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE2	11	0.89
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE3	11	0.89
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE1	11	0.89
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE2	11	0.89
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE3	11	0.89
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE1	11	0.89
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE2	11	0.89
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE3	11	0.89
(1,35)	1:A:66:LYS:HG2	1:A:67:LYS:H	4	0.89
(1,35)	1:A:66:LYS:HG2	1:B:67:LYS:H	4	0.89
(1,35)	1:B:66:LYS:HG2	1:A:67:LYS:H	4	0.89
(1,35)	1:B:66:LYS:HG2	1:B:67:LYS:H	4	0.89
(1,270)	1:A:79:ASP:H	1:A:54:LEU:HD21	18	0.89
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD21	18	0.89
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD22	18	0.89
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD23	18	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,270)	1:B:79:ASP:H	1:A:54:LEU:HD21	18	0.89
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD21	18	0.89
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD22	18	0.89
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD23	18	0.89
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG2	4	0.88
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG3	4	0.88
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG2	4	0.88
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG3	4	0.88
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG2	4	0.88
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG3	4	0.88
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG2	4	0.88
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG3	4	0.88
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG2	4	0.88
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG3	4	0.88
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG2	4	0.88
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG3	4	0.88
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG2	4	0.88
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG3	4	0.88
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG2	4	0.88
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG3	4	0.88
(1,815)	1:A:85:VAL:HA	1:A:60:LEU:HD11	11	0.88
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD11	11	0.88
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD12	11	0.88
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD13	11	0.88
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD21	11	0.88
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD22	11	0.88
(1,815)	1:A:85:VAL:HA	1:B:60:LEU:HD23	11	0.88
(1,815)	1:B:85:VAL:HA	1:A:60:LEU:HD11	11	0.88
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD11	11	0.88
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD12	11	0.88
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD13	11	0.88
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD21	11	0.88
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD22	11	0.88
(1,815)	1:B:85:VAL:HA	1:B:60:LEU:HD23	11	0.88
(1,710)	1:A:87:HIS:HA	1:A:87:HIS:HD1	15	0.88
(1,710)	1:A:87:HIS:HA	1:B:87:HIS:HD1	15	0.88
(1,710)	1:B:87:HIS:HA	1:A:87:HIS:HD1	15	0.88
(1,710)	1:B:87:HIS:HA	1:B:87:HIS:HD1	15	0.88
(1,700)	1:A:87:HIS:HD1	1:A:91:LEU:HA	2	0.88
(1,700)	1:A:87:HIS:HD1	1:B:91:LEU:HA	2	0.88
(1,700)	1:B:87:HIS:HD1	1:A:91:LEU:HA	2	0.88
(1,700)	1:B:87:HIS:HD1	1:B:91:LEU:HA	2	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG21	18	0.88
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG22	18	0.88
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG23	18	0.88
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG21	18	0.88
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG22	18	0.88
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG23	18	0.88
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG21	18	0.88
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG22	18	0.88
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG23	18	0.88
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG21	18	0.88
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG22	18	0.88
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG23	18	0.88
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG21	18	0.88
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG22	18	0.88
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG23	18	0.88
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG21	18	0.88
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG22	18	0.88
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG23	18	0.88
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG21	18	0.88
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG22	18	0.88
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG23	18	0.88
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG21	18	0.88
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG22	18	0.88
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG23	18	0.88
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE21	12	0.88
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE22	12	0.88
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE21	12	0.88
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE22	12	0.88
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE21	12	0.88
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE22	12	0.88
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE21	12	0.88
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE22	12	0.88
(1,482)	1:A:81:LEU:HA	1:A:84:THR:HB	19	0.88
(1,482)	1:A:81:LEU:HA	1:B:84:THR:HB	19	0.88
(1,482)	1:B:81:LEU:HA	1:A:84:THR:HB	19	0.88
(1,482)	1:B:81:LEU:HA	1:B:84:THR:HB	19	0.88
(1,35)	1:A:66:LYS:HG2	1:A:67:LYS:H	8	0.88
(1,35)	1:A:66:LYS:HG2	1:B:67:LYS:H	8	0.88
(1,35)	1:B:66:LYS:HG2	1:A:67:LYS:H	8	0.88
(1,35)	1:B:66:LYS:HG2	1:B:67:LYS:H	8	0.88
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB2	13	0.87
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB3	13	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB2	13	0.87
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB3	13	0.87
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB2	13	0.87
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB3	13	0.87
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB2	13	0.87
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB3	13	0.87
(1,803)	1:A:57:LEU:HD11	1:A:83:MET:H	15	0.87
(1,803)	1:A:57:LEU:HD11	1:B:83:MET:H	15	0.87
(1,803)	1:B:57:LEU:HD11	1:A:83:MET:H	15	0.87
(1,803)	1:B:57:LEU:HD11	1:B:83:MET:H	15	0.87
(1,803)	1:B:57:LEU:HD12	1:A:83:MET:H	15	0.87
(1,803)	1:B:57:LEU:HD12	1:B:83:MET:H	15	0.87
(1,803)	1:B:57:LEU:HD13	1:A:83:MET:H	15	0.87
(1,803)	1:B:57:LEU:HD13	1:B:83:MET:H	15	0.87
(1,803)	1:B:57:LEU:HD21	1:A:83:MET:H	15	0.87
(1,803)	1:B:57:LEU:HD21	1:B:83:MET:H	15	0.87
(1,803)	1:B:57:LEU:HD22	1:A:83:MET:H	15	0.87
(1,803)	1:B:57:LEU:HD22	1:B:83:MET:H	15	0.87
(1,803)	1:B:57:LEU:HD23	1:A:83:MET:H	15	0.87
(1,803)	1:B:57:LEU:HD23	1:B:83:MET:H	15	0.87
(1,788)	1:A:65:LEU:HG	1:A:66:LYS:H	16	0.87
(1,788)	1:A:65:LEU:HG	1:B:66:LYS:H	16	0.87
(1,788)	1:B:65:LEU:HG	1:A:66:LYS:H	16	0.87
(1,788)	1:B:65:LEU:HG	1:B:66:LYS:H	16	0.87
(1,700)	1:A:87:HIS:HD1	1:A:91:LEU:HA	6	0.87
(1,700)	1:A:87:HIS:HD1	1:B:91:LEU:HA	6	0.87
(1,700)	1:B:87:HIS:HD1	1:A:91:LEU:HA	6	0.87
(1,700)	1:B:87:HIS:HD1	1:B:91:LEU:HA	6	0.87
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG21	2	0.87
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG22	2	0.87
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG23	2	0.87
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG21	2	0.87
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG22	2	0.87
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG23	2	0.87
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG21	2	0.87
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG22	2	0.87
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG23	2	0.87
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG21	2	0.87
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG22	2	0.87
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG23	2	0.87
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG21	2	0.87
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG22	2	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG23	2	0.87
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG21	2	0.87
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG22	2	0.87
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG23	2	0.87
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG21	2	0.87
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG22	2	0.87
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG23	2	0.87
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG21	2	0.87
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG22	2	0.87
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG23	2	0.87
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG21	17	0.87
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG22	17	0.87
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG23	17	0.87
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG21	17	0.87
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG22	17	0.87
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG23	17	0.87
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG21	17	0.87
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG22	17	0.87
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG23	17	0.87
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG21	17	0.87
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG22	17	0.87
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG23	17	0.87
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG21	17	0.87
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG22	17	0.87
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG23	17	0.87
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG21	17	0.87
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG22	17	0.87
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG23	17	0.87
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG21	17	0.87
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG22	17	0.87
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG23	17	0.87
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG21	17	0.87
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG22	17	0.87
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG23	17	0.87
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG21	17	0.87
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG22	17	0.87
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG23	17	0.87
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG21	17	0.87
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG22	17	0.87
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG23	17	0.87
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG21	17	0.87
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG22	17	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG23	17	0.87
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG21	17	0.87
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG22	17	0.87
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG23	17	0.87
(1,458)	1:A:76:GLU:HB3	1:A:80:ILE:HB	20	0.87
(1,458)	1:A:76:GLU:HB3	1:B:80:ILE:HB	20	0.87
(1,458)	1:B:76:GLU:HB3	1:A:80:ILE:HB	20	0.87
(1,458)	1:B:76:GLU:HB3	1:B:80:ILE:HB	20	0.87
(1,934)	1:A:74:LYS:H	1:A:70:SER:O	7	0.86
(1,934)	1:A:74:LYS:H	1:B:70:SER:O	7	0.86
(1,934)	1:B:74:LYS:H	1:A:70:SER:O	7	0.86
(1,934)	1:B:74:LYS:H	1:B:70:SER:O	7	0.86
(1,788)	1:A:65:LEU:HG	1:A:66:LYS:H	8	0.86
(1,788)	1:A:65:LEU:HG	1:B:66:LYS:H	8	0.86
(1,788)	1:B:65:LEU:HG	1:A:66:LYS:H	8	0.86
(1,788)	1:B:65:LEU:HG	1:B:66:LYS:H	8	0.86
(1,710)	1:A:87:HIS:HA	1:A:87:HIS:HD1	7	0.86
(1,710)	1:A:87:HIS:HA	1:B:87:HIS:HD1	7	0.86
(1,710)	1:B:87:HIS:HA	1:A:87:HIS:HD1	7	0.86
(1,710)	1:B:87:HIS:HA	1:B:87:HIS:HD1	7	0.86
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE1	14	0.86
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE2	14	0.86
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE3	14	0.86
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE1	14	0.86
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE2	14	0.86
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE3	14	0.86
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE1	14	0.86
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE2	14	0.86
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE3	14	0.86
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE1	14	0.86
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE2	14	0.86
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE3	14	0.86
(1,487)	1:A:88:LEU:HA	1:A:91:LEU:HA	20	0.86
(1,487)	1:A:88:LEU:HA	1:B:91:LEU:HA	20	0.86
(1,487)	1:B:88:LEU:HA	1:A:91:LEU:HA	20	0.86
(1,487)	1:B:88:LEU:HA	1:B:91:LEU:HA	20	0.86
(1,270)	1:A:79:ASP:H	1:A:54:LEU:HD21	16	0.86
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD21	16	0.86
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD22	16	0.86
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD23	16	0.86
(1,270)	1:B:79:ASP:H	1:A:54:LEU:HD21	16	0.86
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD21	16	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD22	16	0.86
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD23	16	0.86
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD21	3	0.85
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD22	3	0.85
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD21	3	0.85
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD22	3	0.85
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD21	3	0.85
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD22	3	0.85
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD21	3	0.85
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD22	3	0.85
(1,487)	1:A:88:LEU:HA	1:A:91:LEU:HA	11	0.85
(1,487)	1:A:88:LEU:HA	1:B:91:LEU:HA	11	0.85
(1,487)	1:B:88:LEU:HA	1:A:91:LEU:HA	11	0.85
(1,487)	1:B:88:LEU:HA	1:B:91:LEU:HA	11	0.85
(1,487)	1:A:88:LEU:HA	1:A:91:LEU:HA	15	0.85
(1,487)	1:A:88:LEU:HA	1:B:91:LEU:HA	15	0.85
(1,487)	1:B:88:LEU:HA	1:A:91:LEU:HA	15	0.85
(1,487)	1:B:88:LEU:HA	1:B:91:LEU:HA	15	0.85
(1,483)	1:A:76:GLU:HA	1:A:80:ILE:HB	5	0.85
(1,483)	1:A:76:GLU:HA	1:B:80:ILE:HB	5	0.85
(1,483)	1:B:76:GLU:HA	1:A:80:ILE:HB	5	0.85
(1,483)	1:B:76:GLU:HA	1:B:80:ILE:HB	5	0.85
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG2	20	0.85
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG3	20	0.85
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG2	20	0.85
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG3	20	0.85
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG2	20	0.85
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG3	20	0.85
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG2	20	0.85
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG3	20	0.85
(1,270)	1:A:79:ASP:H	1:A:54:LEU:HD21	2	0.85
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD21	2	0.85
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD22	2	0.85
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD23	2	0.85
(1,270)	1:B:79:ASP:H	1:A:54:LEU:HD21	2	0.85
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD21	2	0.85
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD22	2	0.85
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD23	2	0.85
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG2	13	0.84
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG3	13	0.84
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG2	13	0.84
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG3	13	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG2	13	0.84
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG3	13	0.84
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG2	13	0.84
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG3	13	0.84
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG2	13	0.84
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG3	13	0.84
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG2	13	0.84
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG3	13	0.84
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG2	13	0.84
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG3	13	0.84
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG2	13	0.84
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG3	13	0.84
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG2	16	0.84
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG3	16	0.84
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG2	16	0.84
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG3	16	0.84
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG2	16	0.84
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG3	16	0.84
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG2	16	0.84
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG3	16	0.84
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG2	16	0.84
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG3	16	0.84
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG2	16	0.84
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG3	16	0.84
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG2	16	0.84
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG3	16	0.84
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG2	16	0.84
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG3	16	0.84
(1,816)	1:A:60:LEU:HD11	1:A:86:LYS:H	5	0.84
(1,816)	1:A:60:LEU:HD11	1:B:86:LYS:H	5	0.84
(1,816)	1:B:60:LEU:HD11	1:A:86:LYS:H	5	0.84
(1,816)	1:B:60:LEU:HD11	1:B:86:LYS:H	5	0.84
(1,816)	1:B:60:LEU:HD12	1:A:86:LYS:H	5	0.84
(1,816)	1:B:60:LEU:HD12	1:B:86:LYS:H	5	0.84
(1,816)	1:B:60:LEU:HD13	1:A:86:LYS:H	5	0.84
(1,816)	1:B:60:LEU:HD13	1:B:86:LYS:H	5	0.84
(1,816)	1:B:60:LEU:HD21	1:A:86:LYS:H	5	0.84
(1,816)	1:B:60:LEU:HD21	1:B:86:LYS:H	5	0.84
(1,816)	1:B:60:LEU:HD22	1:A:86:LYS:H	5	0.84
(1,816)	1:B:60:LEU:HD22	1:B:86:LYS:H	5	0.84
(1,816)	1:B:60:LEU:HD23	1:A:86:LYS:H	5	0.84
(1,816)	1:B:60:LEU:HD23	1:B:86:LYS:H	5	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:A:57:LEU:HD11	1:A:83:MET:H	2	0.84
(1,803)	1:A:57:LEU:HD11	1:B:83:MET:H	2	0.84
(1,803)	1:B:57:LEU:HD11	1:A:83:MET:H	2	0.84
(1,803)	1:B:57:LEU:HD11	1:B:83:MET:H	2	0.84
(1,803)	1:B:57:LEU:HD12	1:A:83:MET:H	2	0.84
(1,803)	1:B:57:LEU:HD12	1:B:83:MET:H	2	0.84
(1,803)	1:B:57:LEU:HD13	1:A:83:MET:H	2	0.84
(1,803)	1:B:57:LEU:HD13	1:B:83:MET:H	2	0.84
(1,803)	1:B:57:LEU:HD21	1:A:83:MET:H	2	0.84
(1,803)	1:B:57:LEU:HD21	1:B:83:MET:H	2	0.84
(1,803)	1:B:57:LEU:HD22	1:A:83:MET:H	2	0.84
(1,803)	1:B:57:LEU:HD22	1:B:83:MET:H	2	0.84
(1,803)	1:B:57:LEU:HD23	1:A:83:MET:H	2	0.84
(1,803)	1:B:57:LEU:HD23	1:B:83:MET:H	2	0.84
(1,803)	1:A:57:LEU:HD11	1:A:83:MET:H	20	0.84
(1,803)	1:A:57:LEU:HD11	1:B:83:MET:H	20	0.84
(1,803)	1:B:57:LEU:HD11	1:A:83:MET:H	20	0.84
(1,803)	1:B:57:LEU:HD11	1:B:83:MET:H	20	0.84
(1,803)	1:B:57:LEU:HD12	1:A:83:MET:H	20	0.84
(1,803)	1:B:57:LEU:HD12	1:B:83:MET:H	20	0.84
(1,803)	1:B:57:LEU:HD13	1:A:83:MET:H	20	0.84
(1,803)	1:B:57:LEU:HD13	1:B:83:MET:H	20	0.84
(1,803)	1:B:57:LEU:HD21	1:A:83:MET:H	20	0.84
(1,803)	1:B:57:LEU:HD21	1:B:83:MET:H	20	0.84
(1,803)	1:B:57:LEU:HD22	1:A:83:MET:H	20	0.84
(1,803)	1:B:57:LEU:HD22	1:B:83:MET:H	20	0.84
(1,803)	1:B:57:LEU:HD23	1:A:83:MET:H	20	0.84
(1,803)	1:B:57:LEU:HD23	1:B:83:MET:H	20	0.84
(1,788)	1:A:65:LEU:HG	1:A:66:LYS:H	10	0.84
(1,788)	1:A:65:LEU:HG	1:B:66:LYS:H	10	0.84
(1,788)	1:B:65:LEU:HG	1:A:66:LYS:H	10	0.84
(1,788)	1:B:65:LEU:HG	1:B:66:LYS:H	10	0.84
(1,669)	1:A:88:LEU:HB3	1:A:91:LEU:HG	13	0.84
(1,669)	1:A:88:LEU:HB3	1:B:91:LEU:HG	13	0.84
(1,669)	1:B:88:LEU:HB3	1:A:91:LEU:HG	13	0.84
(1,669)	1:B:88:LEU:HB3	1:B:91:LEU:HG	13	0.84
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD21	7	0.83
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD22	7	0.83
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD21	7	0.83
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD22	7	0.83
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD21	7	0.83
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD22	7	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD21	7	0.83
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD22	7	0.83
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD21	17	0.83
(1,843)	1:A:89:ARG:H	1:A:90:ASN:HD22	17	0.83
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD21	17	0.83
(1,843)	1:A:89:ARG:H	1:B:90:ASN:HD22	17	0.83
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD21	17	0.83
(1,843)	1:B:89:ARG:H	1:A:90:ASN:HD22	17	0.83
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD21	17	0.83
(1,843)	1:B:89:ARG:H	1:B:90:ASN:HD22	17	0.83
(1,709)	1:A:86:LYS:HA	1:A:86:LYS:HD3	19	0.83
(1,709)	1:A:86:LYS:HA	1:B:86:LYS:HD3	19	0.83
(1,709)	1:B:86:LYS:HA	1:A:86:LYS:HD3	19	0.83
(1,709)	1:B:86:LYS:HA	1:B:86:LYS:HD3	19	0.83
(1,487)	1:A:88:LEU:HA	1:A:91:LEU:HA	4	0.83
(1,487)	1:A:88:LEU:HA	1:B:91:LEU:HA	4	0.83
(1,487)	1:B:88:LEU:HA	1:A:91:LEU:HA	4	0.83
(1,487)	1:B:88:LEU:HA	1:B:91:LEU:HA	4	0.83
(1,487)	1:A:88:LEU:HA	1:A:91:LEU:HA	6	0.83
(1,487)	1:A:88:LEU:HA	1:B:91:LEU:HA	6	0.83
(1,487)	1:B:88:LEU:HA	1:A:91:LEU:HA	6	0.83
(1,487)	1:B:88:LEU:HA	1:B:91:LEU:HA	6	0.83
(1,487)	1:A:88:LEU:HA	1:A:91:LEU:HA	14	0.83
(1,487)	1:A:88:LEU:HA	1:B:91:LEU:HA	14	0.83
(1,487)	1:B:88:LEU:HA	1:A:91:LEU:HA	14	0.83
(1,487)	1:B:88:LEU:HA	1:B:91:LEU:HA	14	0.83
(1,483)	1:A:76:GLU:HA	1:A:80:ILE:HB	17	0.83
(1,483)	1:A:76:GLU:HA	1:B:80:ILE:HB	17	0.83
(1,483)	1:B:76:GLU:HA	1:A:80:ILE:HB	17	0.83
(1,483)	1:B:76:GLU:HA	1:B:80:ILE:HB	17	0.83
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG2	5	0.83
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG3	5	0.83
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG2	5	0.83
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG3	5	0.83
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG2	5	0.83
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG3	5	0.83
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG2	5	0.83
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG3	5	0.83
(1,35)	1:A:66:LYS:HG2	1:A:67:LYS:H	5	0.83
(1,35)	1:A:66:LYS:HG2	1:B:67:LYS:H	5	0.83
(1,35)	1:B:66:LYS:HG2	1:A:67:LYS:H	5	0.83
(1,35)	1:B:66:LYS:HG2	1:B:67:LYS:H	5	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:A:73:SER:H	1:A:69:SER:O	2	0.82
(1,932)	1:A:73:SER:H	1:B:69:SER:O	2	0.82
(1,932)	1:B:73:SER:H	1:A:69:SER:O	2	0.82
(1,932)	1:B:73:SER:H	1:B:69:SER:O	2	0.82
(1,788)	1:A:65:LEU:HG	1:A:66:LYS:H	1	0.82
(1,788)	1:A:65:LEU:HG	1:B:66:LYS:H	1	0.82
(1,788)	1:B:65:LEU:HG	1:A:66:LYS:H	1	0.82
(1,788)	1:B:65:LEU:HG	1:B:66:LYS:H	1	0.82
(1,788)	1:A:65:LEU:HG	1:A:66:LYS:H	18	0.82
(1,788)	1:A:65:LEU:HG	1:B:66:LYS:H	18	0.82
(1,788)	1:B:65:LEU:HG	1:A:66:LYS:H	18	0.82
(1,788)	1:B:65:LEU:HG	1:B:66:LYS:H	18	0.82
(1,713)	1:A:87:HIS:HA	1:A:87:HIS:HD2	14	0.82
(1,713)	1:A:87:HIS:HA	1:B:87:HIS:HD2	14	0.82
(1,713)	1:B:87:HIS:HA	1:A:87:HIS:HD2	14	0.82
(1,713)	1:B:87:HIS:HA	1:B:87:HIS:HD2	14	0.82
(1,709)	1:A:86:LYS:HA	1:A:86:LYS:HD3	3	0.82
(1,709)	1:A:86:LYS:HA	1:B:86:LYS:HD3	3	0.82
(1,709)	1:B:86:LYS:HA	1:A:86:LYS:HD3	3	0.82
(1,709)	1:B:86:LYS:HA	1:B:86:LYS:HD3	3	0.82
(1,709)	1:A:86:LYS:HA	1:A:86:LYS:HD3	15	0.82
(1,709)	1:A:86:LYS:HA	1:B:86:LYS:HD3	15	0.82
(1,709)	1:B:86:LYS:HA	1:A:86:LYS:HD3	15	0.82
(1,709)	1:B:86:LYS:HA	1:B:86:LYS:HD3	15	0.82
(1,41)	1:A:67:LYS:HG2	1:A:69:SER:H	9	0.82
(1,41)	1:A:67:LYS:HG2	1:B:69:SER:H	9	0.82
(1,41)	1:A:67:LYS:HG3	1:A:69:SER:H	9	0.82
(1,41)	1:A:67:LYS:HG3	1:B:69:SER:H	9	0.82
(1,41)	1:B:67:LYS:HG2	1:A:69:SER:H	9	0.82
(1,41)	1:B:67:LYS:HG2	1:B:69:SER:H	9	0.82
(1,41)	1:B:67:LYS:HG3	1:A:69:SER:H	9	0.82
(1,41)	1:B:67:LYS:HG3	1:B:69:SER:H	9	0.82
(1,35)	1:A:66:LYS:HG2	1:A:67:LYS:H	6	0.82
(1,35)	1:A:66:LYS:HG2	1:B:67:LYS:H	6	0.82
(1,35)	1:B:66:LYS:HG2	1:A:67:LYS:H	6	0.82
(1,35)	1:B:66:LYS:HG2	1:B:67:LYS:H	6	0.82
(1,35)	1:A:66:LYS:HG2	1:A:67:LYS:H	12	0.82
(1,35)	1:A:66:LYS:HG2	1:B:67:LYS:H	12	0.82
(1,35)	1:B:66:LYS:HG2	1:A:67:LYS:H	12	0.82
(1,35)	1:B:66:LYS:HG2	1:B:67:LYS:H	12	0.82
(1,35)	1:A:66:LYS:HG2	1:A:67:LYS:H	13	0.82
(1,35)	1:A:66:LYS:HG2	1:B:67:LYS:H	13	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:B:66:LYS:HG2	1:A:67:LYS:H	13	0.82
(1,35)	1:B:66:LYS:HG2	1:B:67:LYS:H	13	0.82
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB2	12	0.81
(1,858)	1:A:93:ARG:HB3	1:A:95:GLN:HB3	12	0.81
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB2	12	0.81
(1,858)	1:A:93:ARG:HB3	1:B:95:GLN:HB3	12	0.81
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB2	12	0.81
(1,858)	1:B:93:ARG:HB3	1:A:95:GLN:HB3	12	0.81
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB2	12	0.81
(1,858)	1:B:93:ARG:HB3	1:B:95:GLN:HB3	12	0.81
(1,788)	1:A:65:LEU:HG	1:A:66:LYS:H	20	0.81
(1,788)	1:A:65:LEU:HG	1:B:66:LYS:H	20	0.81
(1,788)	1:B:65:LEU:HG	1:A:66:LYS:H	20	0.81
(1,788)	1:B:65:LEU:HG	1:B:66:LYS:H	20	0.81
(1,754)	1:A:86:LYS:HD3	1:A:87:HIS:H	15	0.81
(1,754)	1:A:86:LYS:HD3	1:B:87:HIS:H	15	0.81
(1,754)	1:B:86:LYS:HD3	1:A:87:HIS:H	15	0.81
(1,754)	1:B:86:LYS:HD3	1:B:87:HIS:H	15	0.81
(1,744)	1:A:66:LYS:HD3	1:A:67:LYS:H	16	0.81
(1,744)	1:A:66:LYS:HD3	1:B:67:LYS:H	16	0.81
(1,744)	1:B:66:LYS:HD3	1:A:67:LYS:H	16	0.81
(1,744)	1:B:66:LYS:HD3	1:B:67:LYS:H	16	0.81
(1,713)	1:A:87:HIS:HA	1:A:87:HIS:HD2	11	0.81
(1,713)	1:A:87:HIS:HA	1:B:87:HIS:HD2	11	0.81
(1,713)	1:B:87:HIS:HA	1:A:87:HIS:HD2	11	0.81
(1,713)	1:B:87:HIS:HA	1:B:87:HIS:HD2	11	0.81
(1,709)	1:A:86:LYS:HA	1:A:86:LYS:HD3	11	0.81
(1,709)	1:A:86:LYS:HA	1:B:86:LYS:HD3	11	0.81
(1,709)	1:B:86:LYS:HA	1:A:86:LYS:HD3	11	0.81
(1,709)	1:B:86:LYS:HA	1:B:86:LYS:HD3	11	0.81
(1,669)	1:A:88:LEU:HB3	1:A:91:LEU:HG	9	0.81
(1,669)	1:A:88:LEU:HB3	1:B:91:LEU:HG	9	0.81
(1,669)	1:B:88:LEU:HB3	1:A:91:LEU:HG	9	0.81
(1,669)	1:B:88:LEU:HB3	1:B:91:LEU:HG	9	0.81
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE21	11	0.81
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE22	11	0.81
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE21	11	0.81
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE22	11	0.81
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE21	11	0.81
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE22	11	0.81
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE21	11	0.81
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE22	11	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,483)	1:A:76:GLU:HA	1:A:80:ILE:HB	16	0.81
(1,483)	1:A:76:GLU:HA	1:B:80:ILE:HB	16	0.81
(1,483)	1:B:76:GLU:HA	1:A:80:ILE:HB	16	0.81
(1,483)	1:B:76:GLU:HA	1:B:80:ILE:HB	16	0.81
(1,483)	1:A:76:GLU:HA	1:A:80:ILE:HB	18	0.81
(1,483)	1:A:76:GLU:HA	1:B:80:ILE:HB	18	0.81
(1,483)	1:B:76:GLU:HA	1:A:80:ILE:HB	18	0.81
(1,483)	1:B:76:GLU:HA	1:B:80:ILE:HB	18	0.81
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG2	11	0.81
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG3	11	0.81
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG2	11	0.81
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG3	11	0.81
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG2	11	0.81
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG3	11	0.81
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG2	11	0.81
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG3	11	0.81
(1,421)	1:A:79:ASP:HB3	1:A:80:ILE:HB	2	0.81
(1,421)	1:A:79:ASP:HB3	1:B:80:ILE:HB	2	0.81
(1,421)	1:B:79:ASP:HB3	1:A:80:ILE:HB	2	0.81
(1,421)	1:B:79:ASP:HB3	1:B:80:ILE:HB	2	0.81
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB2	19	0.8
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB3	19	0.8
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB2	19	0.8
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB3	19	0.8
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB2	19	0.8
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB3	19	0.8
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB2	19	0.8
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB3	19	0.8
(1,803)	1:A:57:LEU:HD11	1:A:83:MET:H	8	0.8
(1,803)	1:A:57:LEU:HD11	1:B:83:MET:H	8	0.8
(1,803)	1:B:57:LEU:HD11	1:A:83:MET:H	8	0.8
(1,803)	1:B:57:LEU:HD11	1:B:83:MET:H	8	0.8
(1,803)	1:B:57:LEU:HD12	1:A:83:MET:H	8	0.8
(1,803)	1:B:57:LEU:HD12	1:B:83:MET:H	8	0.8
(1,803)	1:B:57:LEU:HD13	1:A:83:MET:H	8	0.8
(1,803)	1:B:57:LEU:HD13	1:B:83:MET:H	8	0.8
(1,803)	1:B:57:LEU:HD21	1:A:83:MET:H	8	0.8
(1,803)	1:B:57:LEU:HD21	1:B:83:MET:H	8	0.8
(1,803)	1:B:57:LEU:HD22	1:A:83:MET:H	8	0.8
(1,803)	1:B:57:LEU:HD22	1:B:83:MET:H	8	0.8
(1,803)	1:B:57:LEU:HD23	1:A:83:MET:H	8	0.8
(1,803)	1:B:57:LEU:HD23	1:B:83:MET:H	8	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,710)	1:A:87:HIS:HA	1:A:87:HIS:HD1	5	0.8
(1,710)	1:A:87:HIS:HA	1:B:87:HIS:HD1	5	0.8
(1,710)	1:B:87:HIS:HA	1:A:87:HIS:HD1	5	0.8
(1,710)	1:B:87:HIS:HA	1:B:87:HIS:HD1	5	0.8
(1,487)	1:A:88:LEU:HA	1:A:91:LEU:HA	9	0.8
(1,487)	1:A:88:LEU:HA	1:B:91:LEU:HA	9	0.8
(1,487)	1:B:88:LEU:HA	1:A:91:LEU:HA	9	0.8
(1,487)	1:B:88:LEU:HA	1:B:91:LEU:HA	9	0.8
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG2	4	0.8
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG3	4	0.8
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG2	4	0.8
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG3	4	0.8
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG2	4	0.8
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG3	4	0.8
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG2	4	0.8
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG3	4	0.8
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG2	7	0.8
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG3	7	0.8
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG2	7	0.8
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG3	7	0.8
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG2	7	0.8
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG3	7	0.8
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG2	7	0.8
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG3	7	0.8
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG2	19	0.8
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG3	19	0.8
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG2	19	0.8
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG3	19	0.8
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG2	19	0.8
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG3	19	0.8
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG2	19	0.8
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG3	19	0.8
(1,936)	1:A:75:LEU:H	1:A:71:ARG:O	11	0.79
(1,936)	1:A:75:LEU:H	1:B:71:ARG:O	11	0.79
(1,936)	1:B:75:LEU:H	1:A:71:ARG:O	11	0.79
(1,936)	1:B:75:LEU:H	1:B:71:ARG:O	11	0.79
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG2	10	0.79
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG3	10	0.79
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG2	10	0.79
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG3	10	0.79
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG2	10	0.79
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG3	10	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG2	10	0.79
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG3	10	0.79
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG2	10	0.79
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG3	10	0.79
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG2	10	0.79
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG3	10	0.79
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG2	10	0.79
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG3	10	0.79
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG2	10	0.79
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG3	10	0.79
(1,788)	1:A:65:LEU:HG	1:A:66:LYS:H	7	0.79
(1,788)	1:A:65:LEU:HG	1:B:66:LYS:H	7	0.79
(1,788)	1:B:65:LEU:HG	1:A:66:LYS:H	7	0.79
(1,788)	1:B:65:LEU:HG	1:B:66:LYS:H	7	0.79
(1,788)	1:A:65:LEU:HG	1:A:66:LYS:H	19	0.79
(1,788)	1:A:65:LEU:HG	1:B:66:LYS:H	19	0.79
(1,788)	1:B:65:LEU:HG	1:A:66:LYS:H	19	0.79
(1,788)	1:B:65:LEU:HG	1:B:66:LYS:H	19	0.79
(1,669)	1:A:88:LEU:HB3	1:A:91:LEU:HG	18	0.79
(1,669)	1:A:88:LEU:HB3	1:B:91:LEU:HG	18	0.79
(1,669)	1:B:88:LEU:HB3	1:A:91:LEU:HG	18	0.79
(1,669)	1:B:88:LEU:HB3	1:B:91:LEU:HG	18	0.79
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG21	10	0.79
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG22	10	0.79
(1,654)	1:A:86:LYS:HB2	1:A:84:THR:HG23	10	0.79
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG21	10	0.79
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG22	10	0.79
(1,654)	1:A:86:LYS:HB2	1:B:84:THR:HG23	10	0.79
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG21	10	0.79
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG22	10	0.79
(1,654)	1:A:86:LYS:HB3	1:A:84:THR:HG23	10	0.79
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG21	10	0.79
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG22	10	0.79
(1,654)	1:A:86:LYS:HB3	1:B:84:THR:HG23	10	0.79
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG21	10	0.79
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG22	10	0.79
(1,654)	1:B:86:LYS:HB2	1:A:84:THR:HG23	10	0.79
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG21	10	0.79
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG22	10	0.79
(1,654)	1:B:86:LYS:HB2	1:B:84:THR:HG23	10	0.79
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG21	10	0.79
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG22	10	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,654)	1:B:86:LYS:HB3	1:A:84:THR:HG23	10	0.79
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG21	10	0.79
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG22	10	0.79
(1,654)	1:B:86:LYS:HB3	1:B:84:THR:HG23	10	0.79
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE2	5	0.79
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE3	5	0.79
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE2	5	0.79
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE3	5	0.79
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE2	5	0.79
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE3	5	0.79
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE2	5	0.79
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE3	5	0.79
(1,487)	1:A:88:LEU:HA	1:A:91:LEU:HA	8	0.79
(1,487)	1:A:88:LEU:HA	1:B:91:LEU:HA	8	0.79
(1,487)	1:B:88:LEU:HA	1:A:91:LEU:HA	8	0.79
(1,487)	1:B:88:LEU:HA	1:B:91:LEU:HA	8	0.79
(1,487)	1:A:88:LEU:HA	1:A:91:LEU:HA	13	0.79
(1,487)	1:A:88:LEU:HA	1:B:91:LEU:HA	13	0.79
(1,487)	1:B:88:LEU:HA	1:A:91:LEU:HA	13	0.79
(1,487)	1:B:88:LEU:HA	1:B:91:LEU:HA	13	0.79
(1,35)	1:A:66:LYS:HG2	1:A:67:LYS:H	2	0.79
(1,35)	1:A:66:LYS:HG2	1:B:67:LYS:H	2	0.79
(1,35)	1:B:66:LYS:HG2	1:A:67:LYS:H	2	0.79
(1,35)	1:B:66:LYS:HG2	1:B:67:LYS:H	2	0.79
(1,277)	1:A:54:LEU:HD21	1:A:80:ILE:H	12	0.79
(1,277)	1:A:54:LEU:HD21	1:B:80:ILE:H	12	0.79
(1,277)	1:B:54:LEU:HD21	1:A:80:ILE:H	12	0.79
(1,277)	1:B:54:LEU:HD21	1:B:80:ILE:H	12	0.79
(1,277)	1:B:54:LEU:HD22	1:A:80:ILE:H	12	0.79
(1,277)	1:B:54:LEU:HD22	1:B:80:ILE:H	12	0.79
(1,277)	1:B:54:LEU:HD23	1:A:80:ILE:H	12	0.79
(1,277)	1:B:54:LEU:HD23	1:B:80:ILE:H	12	0.79
(1,754)	1:A:86:LYS:HD3	1:A:87:HIS:H	3	0.78
(1,754)	1:A:86:LYS:HD3	1:B:87:HIS:H	3	0.78
(1,754)	1:B:86:LYS:HD3	1:A:87:HIS:H	3	0.78
(1,754)	1:B:86:LYS:HD3	1:B:87:HIS:H	3	0.78
(1,709)	1:A:86:LYS:HA	1:A:86:LYS:HD3	4	0.78
(1,709)	1:A:86:LYS:HA	1:B:86:LYS:HD3	4	0.78
(1,709)	1:B:86:LYS:HA	1:A:86:LYS:HD3	4	0.78
(1,709)	1:B:86:LYS:HA	1:B:86:LYS:HD3	4	0.78
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB2	5	0.78
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB3	5	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB2	5	0.78
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB3	5	0.78
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB2	5	0.78
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB3	5	0.78
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB2	5	0.78
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB3	5	0.78
(1,669)	1:A:88:LEU:HB3	1:A:91:LEU:HG	7	0.78
(1,669)	1:A:88:LEU:HB3	1:B:91:LEU:HG	7	0.78
(1,669)	1:B:88:LEU:HB3	1:A:91:LEU:HG	7	0.78
(1,669)	1:B:88:LEU:HB3	1:B:91:LEU:HG	7	0.78
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG21	20	0.78
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG22	20	0.78
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG23	20	0.78
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG21	20	0.78
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG22	20	0.78
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG23	20	0.78
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG21	20	0.78
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG22	20	0.78
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG23	20	0.78
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG21	20	0.78
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG22	20	0.78
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG23	20	0.78
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG21	20	0.78
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG22	20	0.78
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG23	20	0.78
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG21	20	0.78
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG22	20	0.78
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG23	20	0.78
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG21	20	0.78
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG22	20	0.78
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG23	20	0.78
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG21	20	0.78
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG22	20	0.78
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG23	20	0.78
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG21	20	0.78
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG22	20	0.78
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG23	20	0.78
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG21	20	0.78
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG22	20	0.78
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG23	20	0.78
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG21	20	0.78
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG22	20	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG23	20	0.78
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG21	20	0.78
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG22	20	0.78
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG23	20	0.78
(1,487)	1:A:88:LEU:HA	1:A:91:LEU:HA	5	0.78
(1,487)	1:A:88:LEU:HA	1:B:91:LEU:HA	5	0.78
(1,487)	1:B:88:LEU:HA	1:A:91:LEU:HA	5	0.78
(1,487)	1:B:88:LEU:HA	1:B:91:LEU:HA	5	0.78
(1,458)	1:A:76:GLU:HB3	1:A:80:ILE:HB	19	0.78
(1,458)	1:A:76:GLU:HB3	1:B:80:ILE:HB	19	0.78
(1,458)	1:B:76:GLU:HB3	1:A:80:ILE:HB	19	0.78
(1,458)	1:B:76:GLU:HB3	1:B:80:ILE:HB	19	0.78
(1,420)	1:A:87:HIS:HD2	1:A:91:LEU:HA	20	0.78
(1,420)	1:A:87:HIS:HD2	1:B:91:LEU:HA	20	0.78
(1,420)	1:B:87:HIS:HD2	1:A:91:LEU:HA	20	0.78
(1,420)	1:B:87:HIS:HD2	1:B:91:LEU:HA	20	0.78
(1,35)	1:A:66:LYS:HG2	1:A:67:LYS:H	20	0.78
(1,35)	1:A:66:LYS:HG2	1:B:67:LYS:H	20	0.78
(1,35)	1:B:66:LYS:HG2	1:A:67:LYS:H	20	0.78
(1,35)	1:B:66:LYS:HG2	1:B:67:LYS:H	20	0.78
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB2	17	0.77
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB3	17	0.77
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB2	17	0.77
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB3	17	0.77
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB2	17	0.77
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB3	17	0.77
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB2	17	0.77
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB3	17	0.77
(1,483)	1:A:76:GLU:HA	1:A:80:ILE:HB	12	0.77
(1,483)	1:A:76:GLU:HA	1:B:80:ILE:HB	12	0.77
(1,483)	1:B:76:GLU:HA	1:A:80:ILE:HB	12	0.77
(1,483)	1:B:76:GLU:HA	1:B:80:ILE:HB	12	0.77
(1,35)	1:A:66:LYS:HG2	1:A:67:LYS:H	3	0.77
(1,35)	1:A:66:LYS:HG2	1:B:67:LYS:H	3	0.77
(1,35)	1:B:66:LYS:HG2	1:A:67:LYS:H	3	0.77
(1,35)	1:B:66:LYS:HG2	1:B:67:LYS:H	3	0.77
(1,744)	1:A:66:LYS:HD3	1:A:67:LYS:H	10	0.76
(1,744)	1:A:66:LYS:HD3	1:B:67:LYS:H	10	0.76
(1,744)	1:B:66:LYS:HD3	1:A:67:LYS:H	10	0.76
(1,744)	1:B:66:LYS:HD3	1:B:67:LYS:H	10	0.76
(1,731)	1:A:86:LYS:HD3	1:A:87:HIS:HA	7	0.76
(1,731)	1:A:86:LYS:HD3	1:B:87:HIS:HA	7	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:B:86:LYS:HD3	1:A:87:HIS:HA	7	0.76
(1,731)	1:B:86:LYS:HD3	1:B:87:HIS:HA	7	0.76
(1,483)	1:A:76:GLU:HA	1:A:80:ILE:HB	10	0.76
(1,483)	1:A:76:GLU:HA	1:B:80:ILE:HB	10	0.76
(1,483)	1:B:76:GLU:HA	1:A:80:ILE:HB	10	0.76
(1,483)	1:B:76:GLU:HA	1:B:80:ILE:HB	10	0.76
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG2	14	0.76
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG3	14	0.76
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG2	14	0.76
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG3	14	0.76
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG2	14	0.76
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG3	14	0.76
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG2	14	0.76
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG3	14	0.76
(1,421)	1:A:79:ASP:HB3	1:A:80:ILE:HB	19	0.76
(1,421)	1:A:79:ASP:HB3	1:B:80:ILE:HB	19	0.76
(1,421)	1:B:79:ASP:HB3	1:A:80:ILE:HB	19	0.76
(1,421)	1:B:79:ASP:HB3	1:B:80:ILE:HB	19	0.76
(1,420)	1:A:87:HIS:HD2	1:A:91:LEU:HA	17	0.76
(1,420)	1:A:87:HIS:HD2	1:B:91:LEU:HA	17	0.76
(1,420)	1:B:87:HIS:HD2	1:A:91:LEU:HA	17	0.76
(1,420)	1:B:87:HIS:HD2	1:B:91:LEU:HA	17	0.76
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE2	12	0.75
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE3	12	0.75
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE2	12	0.75
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE3	12	0.75
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE2	12	0.75
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE3	12	0.75
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE2	12	0.75
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE3	12	0.75
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE2	19	0.75
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE3	19	0.75
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE2	19	0.75
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE3	19	0.75
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE2	19	0.75
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE3	19	0.75
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE2	19	0.75
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE3	19	0.75
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB2	16	0.75
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB3	16	0.75
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB2	16	0.75
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB3	16	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB2	16	0.75
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB3	16	0.75
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB2	16	0.75
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB3	16	0.75
(1,487)	1:A:88:LEU:HA	1:A:91:LEU:HA	1	0.75
(1,487)	1:A:88:LEU:HA	1:B:91:LEU:HA	1	0.75
(1,487)	1:B:88:LEU:HA	1:A:91:LEU:HA	1	0.75
(1,487)	1:B:88:LEU:HA	1:B:91:LEU:HA	1	0.75
(1,487)	1:A:88:LEU:HA	1:A:91:LEU:HA	3	0.75
(1,487)	1:A:88:LEU:HA	1:B:91:LEU:HA	3	0.75
(1,487)	1:B:88:LEU:HA	1:A:91:LEU:HA	3	0.75
(1,487)	1:B:88:LEU:HA	1:B:91:LEU:HA	3	0.75
(1,483)	1:A:76:GLU:HA	1:A:80:ILE:HB	7	0.75
(1,483)	1:A:76:GLU:HA	1:B:80:ILE:HB	7	0.75
(1,483)	1:B:76:GLU:HA	1:A:80:ILE:HB	7	0.75
(1,483)	1:B:76:GLU:HA	1:B:80:ILE:HB	7	0.75
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG2	3	0.75
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG3	3	0.75
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG2	3	0.75
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG3	3	0.75
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG2	3	0.75
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG3	3	0.75
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG2	3	0.75
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG3	3	0.75
(1,817)	1:A:60:LEU:HD11	1:A:88:LEU:HB2	11	0.74
(1,817)	1:A:60:LEU:HD11	1:B:88:LEU:HB2	11	0.74
(1,817)	1:B:60:LEU:HD11	1:A:88:LEU:HB2	11	0.74
(1,817)	1:B:60:LEU:HD11	1:B:88:LEU:HB2	11	0.74
(1,817)	1:B:60:LEU:HD12	1:A:88:LEU:HB2	11	0.74
(1,817)	1:B:60:LEU:HD12	1:B:88:LEU:HB2	11	0.74
(1,817)	1:B:60:LEU:HD13	1:A:88:LEU:HB2	11	0.74
(1,817)	1:B:60:LEU:HD13	1:B:88:LEU:HB2	11	0.74
(1,817)	1:B:60:LEU:HD21	1:A:88:LEU:HB2	11	0.74
(1,817)	1:B:60:LEU:HD21	1:B:88:LEU:HB2	11	0.74
(1,817)	1:B:60:LEU:HD22	1:A:88:LEU:HB2	11	0.74
(1,817)	1:B:60:LEU:HD22	1:B:88:LEU:HB2	11	0.74
(1,817)	1:B:60:LEU:HD23	1:A:88:LEU:HB2	11	0.74
(1,817)	1:B:60:LEU:HD23	1:B:88:LEU:HB2	11	0.74
(1,789)	1:A:66:LYS:HA	1:A:69:SER:HG	1	0.74
(1,789)	1:A:66:LYS:HA	1:B:69:SER:HG	1	0.74
(1,789)	1:B:66:LYS:HA	1:A:69:SER:HG	1	0.74
(1,789)	1:B:66:LYS:HA	1:B:69:SER:HG	1	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB2	15	0.74
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB3	15	0.74
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB2	15	0.74
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB3	15	0.74
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB2	15	0.74
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB3	15	0.74
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB2	15	0.74
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB3	15	0.74
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE1	2	0.74
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE2	2	0.74
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE3	2	0.74
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE1	2	0.74
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE2	2	0.74
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE3	2	0.74
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE1	2	0.74
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE2	2	0.74
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE3	2	0.74
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE1	2	0.74
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE2	2	0.74
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE3	2	0.74
(1,552)	1:A:93:ARG:HB3	1:A:94:ALA:HA	9	0.74
(1,552)	1:A:93:ARG:HB3	1:B:94:ALA:HA	9	0.74
(1,552)	1:B:93:ARG:HB3	1:A:94:ALA:HA	9	0.74
(1,552)	1:B:93:ARG:HB3	1:B:94:ALA:HA	9	0.74
(1,483)	1:A:76:GLU:HA	1:A:80:ILE:HB	8	0.74
(1,483)	1:A:76:GLU:HA	1:B:80:ILE:HB	8	0.74
(1,483)	1:B:76:GLU:HA	1:A:80:ILE:HB	8	0.74
(1,483)	1:B:76:GLU:HA	1:B:80:ILE:HB	8	0.74
(1,483)	1:A:76:GLU:HA	1:A:80:ILE:HB	9	0.74
(1,483)	1:A:76:GLU:HA	1:B:80:ILE:HB	9	0.74
(1,483)	1:B:76:GLU:HA	1:A:80:ILE:HB	9	0.74
(1,483)	1:B:76:GLU:HA	1:B:80:ILE:HB	9	0.74
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG2	12	0.74
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG3	12	0.74
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG2	12	0.74
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG3	12	0.74
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG2	12	0.74
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG3	12	0.74
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG2	12	0.74
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG3	12	0.74
(1,421)	1:A:79:ASP:HB3	1:A:80:ILE:HB	6	0.74
(1,421)	1:A:79:ASP:HB3	1:B:80:ILE:HB	6	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:B:79:ASP:HB3	1:A:80:ILE:HB	6	0.74
(1,421)	1:B:79:ASP:HB3	1:B:80:ILE:HB	6	0.74
(1,35)	1:A:66:LYS:HG2	1:A:67:LYS:H	1	0.74
(1,35)	1:A:66:LYS:HG2	1:B:67:LYS:H	1	0.74
(1,35)	1:B:66:LYS:HG2	1:A:67:LYS:H	1	0.74
(1,35)	1:B:66:LYS:HG2	1:B:67:LYS:H	1	0.74
(1,35)	1:A:66:LYS:HG2	1:A:67:LYS:H	11	0.74
(1,35)	1:A:66:LYS:HG2	1:B:67:LYS:H	11	0.74
(1,35)	1:B:66:LYS:HG2	1:A:67:LYS:H	11	0.74
(1,35)	1:B:66:LYS:HG2	1:B:67:LYS:H	11	0.74
(1,277)	1:A:54:LEU:HD21	1:A:80:ILE:H	7	0.74
(1,277)	1:A:54:LEU:HD21	1:B:80:ILE:H	7	0.74
(1,277)	1:B:54:LEU:HD21	1:A:80:ILE:H	7	0.74
(1,277)	1:B:54:LEU:HD21	1:B:80:ILE:H	7	0.74
(1,277)	1:B:54:LEU:HD22	1:A:80:ILE:H	7	0.74
(1,277)	1:B:54:LEU:HD22	1:B:80:ILE:H	7	0.74
(1,277)	1:B:54:LEU:HD23	1:A:80:ILE:H	7	0.74
(1,277)	1:B:54:LEU:HD23	1:B:80:ILE:H	7	0.74
(1,277)	1:A:54:LEU:HD21	1:A:80:ILE:H	17	0.74
(1,277)	1:A:54:LEU:HD21	1:B:80:ILE:H	17	0.74
(1,277)	1:B:54:LEU:HD21	1:A:80:ILE:H	17	0.74
(1,277)	1:B:54:LEU:HD21	1:B:80:ILE:H	17	0.74
(1,277)	1:B:54:LEU:HD22	1:A:80:ILE:H	17	0.74
(1,277)	1:B:54:LEU:HD22	1:B:80:ILE:H	17	0.74
(1,277)	1:B:54:LEU:HD23	1:A:80:ILE:H	17	0.74
(1,277)	1:B:54:LEU:HD23	1:B:80:ILE:H	17	0.74
(1,731)	1:A:86:LYS:HD3	1:A:87:HIS:HA	9	0.73
(1,731)	1:A:86:LYS:HD3	1:B:87:HIS:HA	9	0.73
(1,731)	1:B:86:LYS:HD3	1:A:87:HIS:HA	9	0.73
(1,731)	1:B:86:LYS:HD3	1:B:87:HIS:HA	9	0.73
(1,483)	1:A:76:GLU:HA	1:A:80:ILE:HB	3	0.73
(1,483)	1:A:76:GLU:HA	1:B:80:ILE:HB	3	0.73
(1,483)	1:B:76:GLU:HA	1:A:80:ILE:HB	3	0.73
(1,483)	1:B:76:GLU:HA	1:B:80:ILE:HB	3	0.73
(1,936)	1:A:75:LEU:H	1:A:71:ARG:O	15	0.72
(1,936)	1:A:75:LEU:H	1:B:71:ARG:O	15	0.72
(1,936)	1:B:75:LEU:H	1:A:71:ARG:O	15	0.72
(1,936)	1:B:75:LEU:H	1:B:71:ARG:O	15	0.72
(1,788)	1:A:65:LEU:HG	1:A:66:LYS:H	9	0.72
(1,788)	1:A:65:LEU:HG	1:B:66:LYS:H	9	0.72
(1,788)	1:B:65:LEU:HG	1:A:66:LYS:H	9	0.72
(1,788)	1:B:65:LEU:HG	1:B:66:LYS:H	9	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,754)	1:A:86:LYS:HD3	1:A:87:HIS:H	16	0.72
(1,754)	1:A:86:LYS:HD3	1:B:87:HIS:H	16	0.72
(1,754)	1:B:86:LYS:HD3	1:A:87:HIS:H	16	0.72
(1,754)	1:B:86:LYS:HD3	1:B:87:HIS:H	16	0.72
(1,744)	1:A:66:LYS:HD3	1:A:67:LYS:H	11	0.72
(1,744)	1:A:66:LYS:HD3	1:B:67:LYS:H	11	0.72
(1,744)	1:B:66:LYS:HD3	1:A:67:LYS:H	11	0.72
(1,744)	1:B:66:LYS:HD3	1:B:67:LYS:H	11	0.72
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG21	19	0.72
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG22	19	0.72
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG23	19	0.72
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG21	19	0.72
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG22	19	0.72
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG23	19	0.72
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG21	19	0.72
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG22	19	0.72
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG23	19	0.72
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG21	19	0.72
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG22	19	0.72
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG23	19	0.72
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG21	14	0.72
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG22	14	0.72
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG23	14	0.72
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG21	14	0.72
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG22	14	0.72
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG23	14	0.72
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG21	14	0.72
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG22	14	0.72
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG23	14	0.72
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG21	14	0.72
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG22	14	0.72
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG23	14	0.72
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG21	14	0.72
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG22	14	0.72
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG23	14	0.72
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG21	14	0.72
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG22	14	0.72
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG23	14	0.72
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG21	14	0.72
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG22	14	0.72
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG23	14	0.72
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG21	14	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG22	14	0.72
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG23	14	0.72
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG21	14	0.72
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG22	14	0.72
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG23	14	0.72
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG21	14	0.72
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG22	14	0.72
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG23	14	0.72
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG21	14	0.72
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG22	14	0.72
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG23	14	0.72
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG21	14	0.72
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG22	14	0.72
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG23	14	0.72
(1,487)	1:A:88:LEU:HA	1:A:91:LEU:HA	18	0.72
(1,487)	1:A:88:LEU:HA	1:B:91:LEU:HA	18	0.72
(1,487)	1:B:88:LEU:HA	1:A:91:LEU:HA	18	0.72
(1,487)	1:B:88:LEU:HA	1:B:91:LEU:HA	18	0.72
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG2	6	0.72
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG3	6	0.72
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG2	6	0.72
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG3	6	0.72
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG2	6	0.72
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG3	6	0.72
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG2	6	0.72
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG3	6	0.72
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG2	8	0.72
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG3	8	0.72
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG2	8	0.72
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG3	8	0.72
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG2	8	0.72
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG3	8	0.72
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG2	8	0.72
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG3	8	0.72
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG2	16	0.72
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG3	16	0.72
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG2	16	0.72
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG3	16	0.72
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG2	16	0.72
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG3	16	0.72
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG2	16	0.72
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG3	16	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG2	17	0.72
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG3	17	0.72
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG2	17	0.72
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG3	17	0.72
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG2	17	0.72
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG3	17	0.72
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG2	17	0.72
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG3	17	0.72
(1,30)	1:A:85:VAL:H	1:A:88:LEU:HB2	17	0.72
(1,30)	1:A:85:VAL:H	1:B:88:LEU:HB2	17	0.72
(1,30)	1:B:85:VAL:H	1:A:88:LEU:HB2	17	0.72
(1,30)	1:B:85:VAL:H	1:B:88:LEU:HB2	17	0.72
(1,934)	1:A:74:LYS:H	1:A:70:SER:O	8	0.71
(1,934)	1:A:74:LYS:H	1:B:70:SER:O	8	0.71
(1,934)	1:B:74:LYS:H	1:A:70:SER:O	8	0.71
(1,934)	1:B:74:LYS:H	1:B:70:SER:O	8	0.71
(1,934)	1:A:74:LYS:H	1:A:70:SER:O	15	0.71
(1,934)	1:A:74:LYS:H	1:B:70:SER:O	15	0.71
(1,934)	1:B:74:LYS:H	1:A:70:SER:O	15	0.71
(1,934)	1:B:74:LYS:H	1:B:70:SER:O	15	0.71
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD11	5	0.71
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD12	5	0.71
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD13	5	0.71
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD11	5	0.71
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD12	5	0.71
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD13	5	0.71
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD11	5	0.71
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD12	5	0.71
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD13	5	0.71
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD11	5	0.71
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD12	5	0.71
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD13	5	0.71
(1,744)	1:A:66:LYS:HD3	1:A:67:LYS:H	6	0.71
(1,744)	1:A:66:LYS:HD3	1:B:67:LYS:H	6	0.71
(1,744)	1:B:66:LYS:HD3	1:A:67:LYS:H	6	0.71
(1,744)	1:B:66:LYS:HD3	1:B:67:LYS:H	6	0.71
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG21	8	0.71
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG22	8	0.71
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG23	8	0.71
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG21	8	0.71
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG22	8	0.71
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG23	8	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG21	8	0.71
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG22	8	0.71
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG23	8	0.71
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG21	8	0.71
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG22	8	0.71
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG23	8	0.71
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG21	14	0.71
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG22	14	0.71
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG23	14	0.71
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG21	14	0.71
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG22	14	0.71
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG23	14	0.71
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG21	14	0.71
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG22	14	0.71
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG23	14	0.71
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG21	14	0.71
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG22	14	0.71
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG23	14	0.71
(1,647)	1:A:90:ASN:HB2	1:A:65:LEU:HD11	5	0.71
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD11	5	0.71
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD12	5	0.71
(1,647)	1:A:90:ASN:HB2	1:B:65:LEU:HD13	5	0.71
(1,647)	1:A:90:ASN:HB3	1:A:65:LEU:HD11	5	0.71
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD11	5	0.71
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD12	5	0.71
(1,647)	1:A:90:ASN:HB3	1:B:65:LEU:HD13	5	0.71
(1,647)	1:B:90:ASN:HB2	1:A:65:LEU:HD11	5	0.71
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD11	5	0.71
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD12	5	0.71
(1,647)	1:B:90:ASN:HB2	1:B:65:LEU:HD13	5	0.71
(1,647)	1:B:90:ASN:HB3	1:A:65:LEU:HD11	5	0.71
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD11	5	0.71
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD12	5	0.71
(1,647)	1:B:90:ASN:HB3	1:B:65:LEU:HD13	5	0.71
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE1	13	0.71
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE2	13	0.71
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE3	13	0.71
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE1	13	0.71
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE2	13	0.71
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE3	13	0.71
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE1	13	0.71
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE2	13	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE3	13	0.71
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE1	13	0.71
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE2	13	0.71
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE3	13	0.71
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB2	6	0.71
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB3	6	0.71
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB2	6	0.71
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB3	6	0.71
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB2	6	0.71
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB3	6	0.71
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB2	6	0.71
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB3	6	0.71
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB2	7	0.71
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB3	7	0.71
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB2	7	0.71
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB3	7	0.71
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB2	7	0.71
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB3	7	0.71
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB2	7	0.71
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB3	7	0.71
(1,420)	1:A:87:HIS:HD2	1:A:91:LEU:HA	12	0.71
(1,420)	1:A:87:HIS:HD2	1:B:91:LEU:HA	12	0.71
(1,420)	1:B:87:HIS:HD2	1:A:91:LEU:HA	12	0.71
(1,420)	1:B:87:HIS:HD2	1:B:91:LEU:HA	12	0.71
(1,270)	1:A:79:ASP:H	1:A:54:LEU:HD21	20	0.71
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD21	20	0.71
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD22	20	0.71
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD23	20	0.71
(1,270)	1:B:79:ASP:H	1:A:54:LEU:HD21	20	0.71
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD21	20	0.71
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD22	20	0.71
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD23	20	0.71
(1,934)	1:A:74:LYS:H	1:A:70:SER:O	5	0.7
(1,934)	1:A:74:LYS:H	1:B:70:SER:O	5	0.7
(1,934)	1:B:74:LYS:H	1:A:70:SER:O	5	0.7
(1,934)	1:B:74:LYS:H	1:B:70:SER:O	5	0.7
(1,831)	1:A:87:HIS:HD1	1:A:91:LEU:H	14	0.7
(1,831)	1:A:87:HIS:HD1	1:B:91:LEU:H	14	0.7
(1,831)	1:A:87:HIS:HD2	1:A:91:LEU:H	14	0.7
(1,831)	1:A:87:HIS:HD2	1:B:91:LEU:H	14	0.7
(1,831)	1:B:87:HIS:HD1	1:A:91:LEU:H	14	0.7
(1,831)	1:B:87:HIS:HD1	1:B:91:LEU:H	14	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,831)	1:B:87:HIS:HD2	1:A:91:LEU:H	14	0.7
(1,831)	1:B:87:HIS:HD2	1:B:91:LEU:H	14	0.7
(1,816)	1:A:60:LEU:HD11	1:A:86:LYS:H	17	0.7
(1,816)	1:A:60:LEU:HD11	1:B:86:LYS:H	17	0.7
(1,816)	1:B:60:LEU:HD11	1:A:86:LYS:H	17	0.7
(1,816)	1:B:60:LEU:HD11	1:B:86:LYS:H	17	0.7
(1,816)	1:B:60:LEU:HD12	1:A:86:LYS:H	17	0.7
(1,816)	1:B:60:LEU:HD12	1:B:86:LYS:H	17	0.7
(1,816)	1:B:60:LEU:HD13	1:A:86:LYS:H	17	0.7
(1,816)	1:B:60:LEU:HD13	1:B:86:LYS:H	17	0.7
(1,816)	1:B:60:LEU:HD21	1:A:86:LYS:H	17	0.7
(1,816)	1:B:60:LEU:HD21	1:B:86:LYS:H	17	0.7
(1,816)	1:B:60:LEU:HD22	1:A:86:LYS:H	17	0.7
(1,816)	1:B:60:LEU:HD22	1:B:86:LYS:H	17	0.7
(1,816)	1:B:60:LEU:HD23	1:A:86:LYS:H	17	0.7
(1,816)	1:B:60:LEU:HD23	1:B:86:LYS:H	17	0.7
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG21	6	0.7
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG22	6	0.7
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG23	6	0.7
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG21	6	0.7
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG22	6	0.7
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG23	6	0.7
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG21	6	0.7
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG22	6	0.7
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG23	6	0.7
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG21	6	0.7
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG22	6	0.7
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG23	6	0.7
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE1	1	0.7
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE2	1	0.7
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE3	1	0.7
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE1	1	0.7
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE2	1	0.7
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE3	1	0.7
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE1	1	0.7
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE2	1	0.7
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE3	1	0.7
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE1	1	0.7
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE2	1	0.7
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE3	1	0.7
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE1	9	0.7
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE2	9	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE3	9	0.7
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE1	9	0.7
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE2	9	0.7
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE3	9	0.7
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE1	9	0.7
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE2	9	0.7
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE3	9	0.7
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE1	9	0.7
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE2	9	0.7
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE3	9	0.7
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG2	1	0.7
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG3	1	0.7
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG2	1	0.7
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG3	1	0.7
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG2	1	0.7
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG3	1	0.7
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG2	1	0.7
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG3	1	0.7
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG2	2	0.7
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG3	2	0.7
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG2	2	0.7
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG3	2	0.7
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG2	2	0.7
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG3	2	0.7
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG2	2	0.7
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG3	2	0.7
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG2	9	0.7
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG3	9	0.7
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG2	9	0.7
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG3	9	0.7
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG2	9	0.7
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG3	9	0.7
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG2	9	0.7
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG3	9	0.7
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG2	5	0.69
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG3	5	0.69
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG2	5	0.69
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG3	5	0.69
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG2	5	0.69
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG3	5	0.69
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG2	5	0.69
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG3	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG2	5	0.69
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG3	5	0.69
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG2	5	0.69
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG3	5	0.69
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG2	5	0.69
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG3	5	0.69
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG2	5	0.69
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG3	5	0.69
(1,788)	1:A:65:LEU:HG	1:A:66:LYS:H	11	0.69
(1,788)	1:A:65:LEU:HG	1:B:66:LYS:H	11	0.69
(1,788)	1:B:65:LEU:HG	1:A:66:LYS:H	11	0.69
(1,788)	1:B:65:LEU:HG	1:B:66:LYS:H	11	0.69
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG21	3	0.69
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG22	3	0.69
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG23	3	0.69
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG21	3	0.69
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG22	3	0.69
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG23	3	0.69
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG21	3	0.69
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG22	3	0.69
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG23	3	0.69
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG21	3	0.69
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG22	3	0.69
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG23	3	0.69
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG21	7	0.69
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG22	7	0.69
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG23	7	0.69
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG21	7	0.69
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG22	7	0.69
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG23	7	0.69
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG21	7	0.69
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG22	7	0.69
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG23	7	0.69
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG21	7	0.69
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG22	7	0.69
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG23	7	0.69
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB2	10	0.69
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB3	10	0.69
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB2	10	0.69
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB3	10	0.69
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB2	10	0.69
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB3	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB2	10	0.69
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB3	10	0.69
(1,483)	1:A:76:GLU:HA	1:A:80:ILE:HB	6	0.69
(1,483)	1:A:76:GLU:HA	1:B:80:ILE:HB	6	0.69
(1,483)	1:B:76:GLU:HA	1:A:80:ILE:HB	6	0.69
(1,483)	1:B:76:GLU:HA	1:B:80:ILE:HB	6	0.69
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD2	5	0.69
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD3	5	0.69
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD2	5	0.69
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD3	5	0.69
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD2	5	0.69
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD3	5	0.69
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD2	5	0.69
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD3	5	0.69
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD2	6	0.69
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD3	6	0.69
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD2	6	0.69
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD3	6	0.69
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD2	6	0.69
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD3	6	0.69
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD2	6	0.69
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD3	6	0.69
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD2	20	0.69
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD3	20	0.69
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD2	20	0.69
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD3	20	0.69
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD2	20	0.69
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD3	20	0.69
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD2	20	0.69
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD3	20	0.69
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG2	18	0.69
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG3	18	0.69
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG2	18	0.69
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG3	18	0.69
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG2	18	0.69
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG3	18	0.69
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG2	18	0.69
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG3	18	0.69
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB2	11	0.68
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB3	11	0.68
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB2	11	0.68
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB3	11	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB2	11	0.68
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB3	11	0.68
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB2	11	0.68
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB3	11	0.68
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE21	7	0.68
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE22	7	0.68
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE21	7	0.68
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE22	7	0.68
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE21	7	0.68
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE22	7	0.68
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE21	7	0.68
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE22	7	0.68
(1,483)	1:A:76:GLU:HA	1:A:80:ILE:HB	15	0.68
(1,483)	1:A:76:GLU:HA	1:B:80:ILE:HB	15	0.68
(1,483)	1:B:76:GLU:HA	1:A:80:ILE:HB	15	0.68
(1,483)	1:B:76:GLU:HA	1:B:80:ILE:HB	15	0.68
(1,483)	1:A:76:GLU:HA	1:A:80:ILE:HB	20	0.68
(1,483)	1:A:76:GLU:HA	1:B:80:ILE:HB	20	0.68
(1,483)	1:B:76:GLU:HA	1:A:80:ILE:HB	20	0.68
(1,483)	1:B:76:GLU:HA	1:B:80:ILE:HB	20	0.68
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG2	15	0.68
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG3	15	0.68
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG2	15	0.68
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG3	15	0.68
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG2	15	0.68
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG3	15	0.68
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG2	15	0.68
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG3	15	0.68
(1,35)	1:A:66:LYS:HG2	1:A:67:LYS:H	16	0.68
(1,35)	1:A:66:LYS:HG2	1:B:67:LYS:H	16	0.68
(1,35)	1:B:66:LYS:HG2	1:A:67:LYS:H	16	0.68
(1,35)	1:B:66:LYS:HG2	1:B:67:LYS:H	16	0.68
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG21	18	0.67
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG22	18	0.67
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG23	18	0.67
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG21	18	0.67
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG22	18	0.67
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG23	18	0.67
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG21	18	0.67
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG22	18	0.67
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG23	18	0.67
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG21	18	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG22	18	0.67
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG23	18	0.67
(1,669)	1:A:88:LEU:HB3	1:A:91:LEU:HG	16	0.67
(1,669)	1:A:88:LEU:HB3	1:B:91:LEU:HG	16	0.67
(1,669)	1:B:88:LEU:HB3	1:A:91:LEU:HG	16	0.67
(1,669)	1:B:88:LEU:HB3	1:B:91:LEU:HG	16	0.67
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD2	3	0.67
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD3	3	0.67
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD2	3	0.67
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD3	3	0.67
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD2	3	0.67
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD3	3	0.67
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD2	3	0.67
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD3	3	0.67
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG2	10	0.67
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG3	10	0.67
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG2	10	0.67
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG3	10	0.67
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG2	10	0.67
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG3	10	0.67
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG2	10	0.67
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG3	10	0.67
(1,700)	1:A:87:HIS:HD1	1:A:91:LEU:HA	18	0.66
(1,700)	1:A:87:HIS:HD1	1:B:91:LEU:HA	18	0.66
(1,700)	1:B:87:HIS:HD1	1:A:91:LEU:HA	18	0.66
(1,700)	1:B:87:HIS:HD1	1:B:91:LEU:HA	18	0.66
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG21	1	0.66
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG22	1	0.66
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG23	1	0.66
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG21	1	0.66
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG22	1	0.66
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG23	1	0.66
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG21	1	0.66
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG22	1	0.66
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG23	1	0.66
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG21	1	0.66
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG22	1	0.66
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG23	1	0.66
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG21	11	0.66
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG22	11	0.66
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG23	11	0.66
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG21	11	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG22	11	0.66
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG23	11	0.66
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG21	11	0.66
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG22	11	0.66
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG23	11	0.66
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG21	11	0.66
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG22	11	0.66
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG23	11	0.66
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB2	17	0.66
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB3	17	0.66
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB2	17	0.66
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB3	17	0.66
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB2	17	0.66
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB3	17	0.66
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB2	17	0.66
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB3	17	0.66
(1,669)	1:A:88:LEU:HB3	1:A:91:LEU:HG	2	0.66
(1,669)	1:A:88:LEU:HB3	1:B:91:LEU:HG	2	0.66
(1,669)	1:B:88:LEU:HB3	1:A:91:LEU:HG	2	0.66
(1,669)	1:B:88:LEU:HB3	1:B:91:LEU:HG	2	0.66
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE21	18	0.66
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE22	18	0.66
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE21	18	0.66
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE22	18	0.66
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE21	18	0.66
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE22	18	0.66
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE21	18	0.66
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE22	18	0.66
(1,487)	1:A:88:LEU:HA	1:A:91:LEU:HA	2	0.66
(1,487)	1:A:88:LEU:HA	1:B:91:LEU:HA	2	0.66
(1,487)	1:B:88:LEU:HA	1:A:91:LEU:HA	2	0.66
(1,487)	1:B:88:LEU:HA	1:B:91:LEU:HA	2	0.66
(1,487)	1:A:88:LEU:HA	1:A:91:LEU:HA	16	0.66
(1,487)	1:A:88:LEU:HA	1:B:91:LEU:HA	16	0.66
(1,487)	1:B:88:LEU:HA	1:A:91:LEU:HA	16	0.66
(1,487)	1:B:88:LEU:HA	1:B:91:LEU:HA	16	0.66
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD2	15	0.66
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD3	15	0.66
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD2	15	0.66
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD3	15	0.66
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD2	15	0.66
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD3	15	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD2	15	0.66
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD3	15	0.66
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG2	13	0.66
(1,437)	1:A:90:ASN:HA	1:A:92:GLN:HG3	13	0.66
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG2	13	0.66
(1,437)	1:A:90:ASN:HA	1:B:92:GLN:HG3	13	0.66
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG2	13	0.66
(1,437)	1:B:90:ASN:HA	1:A:92:GLN:HG3	13	0.66
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG2	13	0.66
(1,437)	1:B:90:ASN:HA	1:B:92:GLN:HG3	13	0.66
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG2	19	0.65
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG3	19	0.65
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG2	19	0.65
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG3	19	0.65
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG2	19	0.65
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG3	19	0.65
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG2	19	0.65
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG3	19	0.65
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG2	19	0.65
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG3	19	0.65
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG2	19	0.65
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG3	19	0.65
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG2	19	0.65
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG3	19	0.65
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG2	19	0.65
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG3	19	0.65
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG21	9	0.65
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG22	9	0.65
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG23	9	0.65
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG21	9	0.65
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG22	9	0.65
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG23	9	0.65
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG21	9	0.65
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG22	9	0.65
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG23	9	0.65
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG21	9	0.65
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG22	9	0.65
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG23	9	0.65
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG21	13	0.65
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG22	13	0.65
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG23	13	0.65
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG21	13	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG22	13	0.65
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG23	13	0.65
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG21	13	0.65
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG22	13	0.65
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG23	13	0.65
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG21	13	0.65
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG22	13	0.65
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG23	13	0.65
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB2	16	0.65
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB3	16	0.65
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB2	16	0.65
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB3	16	0.65
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB2	16	0.65
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB3	16	0.65
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB2	16	0.65
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB3	16	0.65
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE2	11	0.65
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE3	11	0.65
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE2	11	0.65
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE3	11	0.65
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE2	11	0.65
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE3	11	0.65
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE2	11	0.65
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE3	11	0.65
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE2	20	0.65
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE3	20	0.65
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE2	20	0.65
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE3	20	0.65
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE2	20	0.65
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE3	20	0.65
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE2	20	0.65
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE3	20	0.65
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB2	5	0.65
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB3	5	0.65
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB2	5	0.65
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB3	5	0.65
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB2	5	0.65
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB3	5	0.65
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB2	5	0.65
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB3	5	0.65
(1,487)	1:A:88:LEU:HA	1:A:91:LEU:HA	7	0.65
(1,487)	1:A:88:LEU:HA	1:B:91:LEU:HA	7	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:B:88:LEU:HA	1:A:91:LEU:HA	7	0.65
(1,487)	1:B:88:LEU:HA	1:B:91:LEU:HA	7	0.65
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD2	10	0.65
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD3	10	0.65
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD2	10	0.65
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD3	10	0.65
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD2	10	0.65
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD3	10	0.65
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD2	10	0.65
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD3	10	0.65
(1,277)	1:A:54:LEU:HD21	1:A:80:ILE:H	5	0.65
(1,277)	1:A:54:LEU:HD21	1:B:80:ILE:H	5	0.65
(1,277)	1:B:54:LEU:HD21	1:A:80:ILE:H	5	0.65
(1,277)	1:B:54:LEU:HD21	1:B:80:ILE:H	5	0.65
(1,277)	1:B:54:LEU:HD22	1:A:80:ILE:H	5	0.65
(1,277)	1:B:54:LEU:HD22	1:B:80:ILE:H	5	0.65
(1,277)	1:B:54:LEU:HD23	1:A:80:ILE:H	5	0.65
(1,277)	1:B:54:LEU:HD23	1:B:80:ILE:H	5	0.65
(1,738)	1:A:76:GLU:HA	1:A:79:ASP:HB2	3	0.64
(1,738)	1:A:76:GLU:HA	1:B:79:ASP:HB2	3	0.64
(1,738)	1:B:76:GLU:HA	1:A:79:ASP:HB2	3	0.64
(1,738)	1:B:76:GLU:HA	1:B:79:ASP:HB2	3	0.64
(1,731)	1:A:86:LYS:HD3	1:A:87:HIS:HA	20	0.64
(1,731)	1:A:86:LYS:HD3	1:B:87:HIS:HA	20	0.64
(1,731)	1:B:86:LYS:HD3	1:A:87:HIS:HA	20	0.64
(1,731)	1:B:86:LYS:HD3	1:B:87:HIS:HA	20	0.64
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG21	2	0.64
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG22	2	0.64
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG23	2	0.64
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG21	2	0.64
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG22	2	0.64
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG23	2	0.64
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG21	2	0.64
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG22	2	0.64
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG23	2	0.64
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG21	2	0.64
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG22	2	0.64
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG23	2	0.64
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG21	16	0.64
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG22	16	0.64
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG23	16	0.64
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG21	16	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG22	16	0.64
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG23	16	0.64
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG21	16	0.64
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG22	16	0.64
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG23	16	0.64
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG21	16	0.64
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG22	16	0.64
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG23	16	0.64
(1,669)	1:A:88:LEU:HB3	1:A:91:LEU:HG	12	0.64
(1,669)	1:A:88:LEU:HB3	1:B:91:LEU:HG	12	0.64
(1,669)	1:B:88:LEU:HB3	1:A:91:LEU:HG	12	0.64
(1,669)	1:B:88:LEU:HB3	1:B:91:LEU:HG	12	0.64
(1,552)	1:A:93:ARG:HB3	1:A:94:ALA:HA	5	0.64
(1,552)	1:A:93:ARG:HB3	1:B:94:ALA:HA	5	0.64
(1,552)	1:B:93:ARG:HB3	1:A:94:ALA:HA	5	0.64
(1,552)	1:B:93:ARG:HB3	1:B:94:ALA:HA	5	0.64
(1,552)	1:A:93:ARG:HB3	1:A:94:ALA:HA	14	0.64
(1,552)	1:A:93:ARG:HB3	1:B:94:ALA:HA	14	0.64
(1,552)	1:B:93:ARG:HB3	1:A:94:ALA:HA	14	0.64
(1,552)	1:B:93:ARG:HB3	1:B:94:ALA:HA	14	0.64
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE2	4	0.64
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE3	4	0.64
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE2	4	0.64
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE3	4	0.64
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE2	4	0.64
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE3	4	0.64
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE2	4	0.64
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE3	4	0.64
(1,50)	1:A:68:ASP:HA	1:A:71:ARG:H	6	0.64
(1,50)	1:A:68:ASP:HA	1:B:71:ARG:H	6	0.64
(1,50)	1:B:68:ASP:HA	1:A:71:ARG:H	6	0.64
(1,50)	1:B:68:ASP:HA	1:B:71:ARG:H	6	0.64
(1,483)	1:A:76:GLU:HA	1:A:80:ILE:HB	2	0.64
(1,483)	1:A:76:GLU:HA	1:B:80:ILE:HB	2	0.64
(1,483)	1:B:76:GLU:HA	1:A:80:ILE:HB	2	0.64
(1,483)	1:B:76:GLU:HA	1:B:80:ILE:HB	2	0.64
(1,483)	1:A:76:GLU:HA	1:A:80:ILE:HB	11	0.64
(1,483)	1:A:76:GLU:HA	1:B:80:ILE:HB	11	0.64
(1,483)	1:B:76:GLU:HA	1:A:80:ILE:HB	11	0.64
(1,483)	1:B:76:GLU:HA	1:B:80:ILE:HB	11	0.64
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD2	11	0.64
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD3	11	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD2	11	0.64
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD3	11	0.64
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD2	11	0.64
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD3	11	0.64
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD2	11	0.64
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD3	11	0.64
(1,277)	1:A:54:LEU:HD21	1:A:80:ILE:H	9	0.64
(1,277)	1:A:54:LEU:HD21	1:B:80:ILE:H	9	0.64
(1,277)	1:B:54:LEU:HD21	1:A:80:ILE:H	9	0.64
(1,277)	1:B:54:LEU:HD21	1:B:80:ILE:H	9	0.64
(1,277)	1:B:54:LEU:HD22	1:A:80:ILE:H	9	0.64
(1,277)	1:B:54:LEU:HD22	1:B:80:ILE:H	9	0.64
(1,277)	1:B:54:LEU:HD23	1:A:80:ILE:H	9	0.64
(1,277)	1:B:54:LEU:HD23	1:B:80:ILE:H	9	0.64
(1,270)	1:A:79:ASP:H	1:A:54:LEU:HD21	11	0.64
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD21	11	0.64
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD22	11	0.64
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD23	11	0.64
(1,270)	1:B:79:ASP:H	1:A:54:LEU:HD21	11	0.64
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD21	11	0.64
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD22	11	0.64
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD23	11	0.64
(1,934)	1:A:74:LYS:H	1:A:70:SER:O	3	0.63
(1,934)	1:A:74:LYS:H	1:B:70:SER:O	3	0.63
(1,934)	1:B:74:LYS:H	1:A:70:SER:O	3	0.63
(1,934)	1:B:74:LYS:H	1:B:70:SER:O	3	0.63
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG21	20	0.63
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG22	20	0.63
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG23	20	0.63
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG21	20	0.63
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG22	20	0.63
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG23	20	0.63
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG21	20	0.63
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG22	20	0.63
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG23	20	0.63
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG21	20	0.63
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG22	20	0.63
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG23	20	0.63
(1,552)	1:A:93:ARG:HB3	1:A:94:ALA:HA	12	0.63
(1,552)	1:A:93:ARG:HB3	1:B:94:ALA:HA	12	0.63
(1,552)	1:B:93:ARG:HB3	1:A:94:ALA:HA	12	0.63
(1,552)	1:B:93:ARG:HB3	1:B:94:ALA:HA	12	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:A:88:LEU:HA	1:A:91:LEU:HA	12	0.63
(1,487)	1:A:88:LEU:HA	1:B:91:LEU:HA	12	0.63
(1,487)	1:B:88:LEU:HA	1:A:91:LEU:HA	12	0.63
(1,487)	1:B:88:LEU:HA	1:B:91:LEU:HA	12	0.63
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD2	12	0.63
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD3	12	0.63
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD2	12	0.63
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD3	12	0.63
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD2	12	0.63
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD3	12	0.63
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD2	12	0.63
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD3	12	0.63
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD2	16	0.63
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD3	16	0.63
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD2	16	0.63
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD3	16	0.63
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD2	16	0.63
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD3	16	0.63
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD2	16	0.63
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD3	16	0.63
(1,270)	1:A:79:ASP:H	1:A:54:LEU:HD21	10	0.63
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD21	10	0.63
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD22	10	0.63
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD23	10	0.63
(1,270)	1:B:79:ASP:H	1:A:54:LEU:HD21	10	0.63
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD21	10	0.63
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD22	10	0.63
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD23	10	0.63
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG21	5	0.62
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG22	5	0.62
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG23	5	0.62
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG21	5	0.62
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG22	5	0.62
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG23	5	0.62
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG21	5	0.62
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG22	5	0.62
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG23	5	0.62
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG21	5	0.62
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG22	5	0.62
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG23	5	0.62
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE21	2	0.62
(1,569)	1:A:87:HIS:HA	1:A:92:GLN:HE22	2	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE21	2	0.62
(1,569)	1:A:87:HIS:HA	1:B:92:GLN:HE22	2	0.62
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE21	2	0.62
(1,569)	1:B:87:HIS:HA	1:A:92:GLN:HE22	2	0.62
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE21	2	0.62
(1,569)	1:B:87:HIS:HA	1:B:92:GLN:HE22	2	0.62
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD11	4	0.62
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD12	4	0.62
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD13	4	0.62
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD11	4	0.62
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD12	4	0.62
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD13	4	0.62
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD11	4	0.62
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD12	4	0.62
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD13	4	0.62
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD11	4	0.62
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD12	4	0.62
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD13	4	0.62
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD2	9	0.62
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD3	9	0.62
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD2	9	0.62
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD3	9	0.62
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD2	9	0.62
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD3	9	0.62
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD2	9	0.62
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD3	9	0.62
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD2	19	0.62
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD3	19	0.62
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD2	19	0.62
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD3	19	0.62
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD2	19	0.62
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD3	19	0.62
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD2	19	0.62
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD3	19	0.62
(1,277)	1:A:54:LEU:HD21	1:A:80:ILE:H	6	0.62
(1,277)	1:A:54:LEU:HD21	1:B:80:ILE:H	6	0.62
(1,277)	1:B:54:LEU:HD21	1:A:80:ILE:H	6	0.62
(1,277)	1:B:54:LEU:HD21	1:B:80:ILE:H	6	0.62
(1,277)	1:B:54:LEU:HD22	1:A:80:ILE:H	6	0.62
(1,277)	1:B:54:LEU:HD22	1:B:80:ILE:H	6	0.62
(1,277)	1:B:54:LEU:HD23	1:A:80:ILE:H	6	0.62
(1,277)	1:B:54:LEU:HD23	1:B:80:ILE:H	6	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,277)	1:A:54:LEU:HD21	1:A:80:ILE:H	19	0.62
(1,277)	1:A:54:LEU:HD21	1:B:80:ILE:H	19	0.62
(1,277)	1:B:54:LEU:HD21	1:A:80:ILE:H	19	0.62
(1,277)	1:B:54:LEU:HD21	1:B:80:ILE:H	19	0.62
(1,277)	1:B:54:LEU:HD22	1:A:80:ILE:H	19	0.62
(1,277)	1:B:54:LEU:HD22	1:B:80:ILE:H	19	0.62
(1,277)	1:B:54:LEU:HD23	1:A:80:ILE:H	19	0.62
(1,277)	1:B:54:LEU:HD23	1:B:80:ILE:H	19	0.62
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB2	14	0.61
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB3	14	0.61
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB2	14	0.61
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB3	14	0.61
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB2	14	0.61
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB3	14	0.61
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB2	14	0.61
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB3	14	0.61
(1,731)	1:A:86:LYS:HD3	1:A:87:HIS:HA	17	0.61
(1,731)	1:A:86:LYS:HD3	1:B:87:HIS:HA	17	0.61
(1,731)	1:B:86:LYS:HD3	1:A:87:HIS:HA	17	0.61
(1,731)	1:B:86:LYS:HD3	1:B:87:HIS:HA	17	0.61
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG21	10	0.61
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG22	10	0.61
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG23	10	0.61
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG21	10	0.61
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG22	10	0.61
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG23	10	0.61
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG21	10	0.61
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG22	10	0.61
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG23	10	0.61
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG21	10	0.61
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG22	10	0.61
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG23	10	0.61
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD1	17	0.61
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD2	17	0.61
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD1	17	0.61
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD2	17	0.61
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD1	17	0.61
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD2	17	0.61
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD1	17	0.61
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD2	17	0.61
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD1	17	0.61
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD2	17	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD1	17	0.61
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD2	17	0.61
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD1	17	0.61
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD2	17	0.61
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD1	17	0.61
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD2	17	0.61
(1,552)	1:A:93:ARG:HB3	1:A:94:ALA:HA	4	0.61
(1,552)	1:A:93:ARG:HB3	1:B:94:ALA:HA	4	0.61
(1,552)	1:B:93:ARG:HB3	1:A:94:ALA:HA	4	0.61
(1,552)	1:B:93:ARG:HB3	1:B:94:ALA:HA	4	0.61
(1,552)	1:A:93:ARG:HB3	1:A:94:ALA:HA	20	0.61
(1,552)	1:A:93:ARG:HB3	1:B:94:ALA:HA	20	0.61
(1,552)	1:B:93:ARG:HB3	1:A:94:ALA:HA	20	0.61
(1,552)	1:B:93:ARG:HB3	1:B:94:ALA:HA	20	0.61
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD2	17	0.61
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD3	17	0.61
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD2	17	0.61
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD3	17	0.61
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD2	17	0.61
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD3	17	0.61
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD2	17	0.61
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD3	17	0.61
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD2	18	0.61
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD3	18	0.61
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD2	18	0.61
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD3	18	0.61
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD2	18	0.61
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD3	18	0.61
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD2	18	0.61
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD3	18	0.61
(1,420)	1:A:87:HIS:HD2	1:A:91:LEU:HA	13	0.61
(1,420)	1:A:87:HIS:HD2	1:B:91:LEU:HA	13	0.61
(1,420)	1:B:87:HIS:HD2	1:A:91:LEU:HA	13	0.61
(1,420)	1:B:87:HIS:HD2	1:B:91:LEU:HA	13	0.61
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB2	20	0.6
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB3	20	0.6
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB2	20	0.6
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB3	20	0.6
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB2	20	0.6
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB3	20	0.6
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB2	20	0.6
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB3	20	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,700)	1:A:87:HIS:HD1	1:A:91:LEU:HA	16	0.6
(1,700)	1:A:87:HIS:HD1	1:B:91:LEU:HA	16	0.6
(1,700)	1:B:87:HIS:HD1	1:A:91:LEU:HA	16	0.6
(1,700)	1:B:87:HIS:HD1	1:B:91:LEU:HA	16	0.6
(1,552)	1:A:93:ARG:HB3	1:A:94:ALA:HA	19	0.6
(1,552)	1:A:93:ARG:HB3	1:B:94:ALA:HA	19	0.6
(1,552)	1:B:93:ARG:HB3	1:A:94:ALA:HA	19	0.6
(1,552)	1:B:93:ARG:HB3	1:B:94:ALA:HA	19	0.6
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG21	15	0.59
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG22	15	0.59
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG23	15	0.59
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG21	15	0.59
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG22	15	0.59
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG23	15	0.59
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG21	15	0.59
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG22	15	0.59
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG23	15	0.59
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG21	15	0.59
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG22	15	0.59
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG23	15	0.59
(1,552)	1:A:93:ARG:HB3	1:A:94:ALA:HA	6	0.59
(1,552)	1:A:93:ARG:HB3	1:B:94:ALA:HA	6	0.59
(1,552)	1:B:93:ARG:HB3	1:A:94:ALA:HA	6	0.59
(1,552)	1:B:93:ARG:HB3	1:B:94:ALA:HA	6	0.59
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE2	15	0.59
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE3	15	0.59
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE2	15	0.59
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE3	15	0.59
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE2	15	0.59
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE3	15	0.59
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE2	15	0.59
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE3	15	0.59
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE2	18	0.59
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE3	18	0.59
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE2	18	0.59
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE3	18	0.59
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE2	18	0.59
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE3	18	0.59
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE2	18	0.59
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE3	18	0.59
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB2	19	0.59
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB3	19	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB2	19	0.59
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB3	19	0.59
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB2	19	0.59
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB3	19	0.59
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB2	19	0.59
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB3	19	0.59
(1,483)	1:A:76:GLU:HA	1:A:80:ILE:HB	13	0.59
(1,483)	1:A:76:GLU:HA	1:B:80:ILE:HB	13	0.59
(1,483)	1:B:76:GLU:HA	1:A:80:ILE:HB	13	0.59
(1,483)	1:B:76:GLU:HA	1:B:80:ILE:HB	13	0.59
(1,420)	1:A:87:HIS:HD2	1:A:91:LEU:HA	18	0.59
(1,420)	1:A:87:HIS:HD2	1:B:91:LEU:HA	18	0.59
(1,420)	1:B:87:HIS:HD2	1:A:91:LEU:HA	18	0.59
(1,420)	1:B:87:HIS:HD2	1:B:91:LEU:HA	18	0.59
(1,277)	1:A:54:LEU:HD21	1:A:80:ILE:H	1	0.59
(1,277)	1:A:54:LEU:HD21	1:B:80:ILE:H	1	0.59
(1,277)	1:B:54:LEU:HD21	1:A:80:ILE:H	1	0.59
(1,277)	1:B:54:LEU:HD21	1:B:80:ILE:H	1	0.59
(1,277)	1:B:54:LEU:HD22	1:A:80:ILE:H	1	0.59
(1,277)	1:B:54:LEU:HD22	1:B:80:ILE:H	1	0.59
(1,277)	1:B:54:LEU:HD23	1:A:80:ILE:H	1	0.59
(1,277)	1:B:54:LEU:HD23	1:B:80:ILE:H	1	0.59
(1,277)	1:A:54:LEU:HD21	1:A:80:ILE:H	13	0.59
(1,277)	1:A:54:LEU:HD21	1:B:80:ILE:H	13	0.59
(1,277)	1:B:54:LEU:HD21	1:A:80:ILE:H	13	0.59
(1,277)	1:B:54:LEU:HD21	1:B:80:ILE:H	13	0.59
(1,277)	1:B:54:LEU:HD22	1:A:80:ILE:H	13	0.59
(1,277)	1:B:54:LEU:HD22	1:B:80:ILE:H	13	0.59
(1,277)	1:B:54:LEU:HD23	1:A:80:ILE:H	13	0.59
(1,277)	1:B:54:LEU:HD23	1:B:80:ILE:H	13	0.59
(1,934)	1:A:74:LYS:H	1:A:70:SER:O	4	0.58
(1,934)	1:A:74:LYS:H	1:B:70:SER:O	4	0.58
(1,934)	1:B:74:LYS:H	1:A:70:SER:O	4	0.58
(1,934)	1:B:74:LYS:H	1:B:70:SER:O	4	0.58
(1,933)	1:A:73:SER:N	1:A:69:SER:O	2	0.58
(1,933)	1:A:73:SER:N	1:B:69:SER:O	2	0.58
(1,933)	1:B:73:SER:N	1:A:69:SER:O	2	0.58
(1,933)	1:B:73:SER:N	1:B:69:SER:O	2	0.58
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG2	6	0.58
(1,850)	1:A:90:ASN:HD21	1:A:83:MET:HG3	6	0.58
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG2	6	0.58
(1,850)	1:A:90:ASN:HD21	1:B:83:MET:HG3	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG2	6	0.58
(1,850)	1:A:90:ASN:HD22	1:A:83:MET:HG3	6	0.58
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG2	6	0.58
(1,850)	1:A:90:ASN:HD22	1:B:83:MET:HG3	6	0.58
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG2	6	0.58
(1,850)	1:B:90:ASN:HD21	1:A:83:MET:HG3	6	0.58
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG2	6	0.58
(1,850)	1:B:90:ASN:HD21	1:B:83:MET:HG3	6	0.58
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG2	6	0.58
(1,850)	1:B:90:ASN:HD22	1:A:83:MET:HG3	6	0.58
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG2	6	0.58
(1,850)	1:B:90:ASN:HD22	1:B:83:MET:HG3	6	0.58
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG21	4	0.58
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG22	4	0.58
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG23	4	0.58
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG21	4	0.58
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG22	4	0.58
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG23	4	0.58
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG21	4	0.58
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG22	4	0.58
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG23	4	0.58
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG21	4	0.58
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG22	4	0.58
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG23	4	0.58
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG21	12	0.58
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG22	12	0.58
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG23	12	0.58
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG21	12	0.58
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG22	12	0.58
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG23	12	0.58
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG21	12	0.58
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG22	12	0.58
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG23	12	0.58
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG21	12	0.58
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG22	12	0.58
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG23	12	0.58
(1,552)	1:A:93:ARG:HB3	1:A:94:ALA:HA	7	0.58
(1,552)	1:A:93:ARG:HB3	1:B:94:ALA:HA	7	0.58
(1,552)	1:B:93:ARG:HB3	1:A:94:ALA:HA	7	0.58
(1,552)	1:B:93:ARG:HB3	1:B:94:ALA:HA	7	0.58
(1,552)	1:A:93:ARG:HB3	1:A:94:ALA:HA	13	0.58
(1,552)	1:A:93:ARG:HB3	1:B:94:ALA:HA	13	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,552)	1:B:93:ARG:HB3	1:A:94:ALA:HA	13	0.58
(1,552)	1:B:93:ARG:HB3	1:B:94:ALA:HA	13	0.58
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD2	1	0.58
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD3	1	0.58
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD2	1	0.58
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD3	1	0.58
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD2	1	0.58
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD3	1	0.58
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD2	1	0.58
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD3	1	0.58
(1,760)	1:A:86:LYS:HG2	1:A:87:HIS:H	10	0.57
(1,760)	1:A:86:LYS:HG2	1:B:87:HIS:H	10	0.57
(1,760)	1:B:86:LYS:HG2	1:A:87:HIS:H	10	0.57
(1,760)	1:B:86:LYS:HG2	1:B:87:HIS:H	10	0.57
(1,754)	1:A:86:LYS:HD3	1:A:87:HIS:H	1	0.57
(1,754)	1:A:86:LYS:HD3	1:B:87:HIS:H	1	0.57
(1,754)	1:B:86:LYS:HD3	1:A:87:HIS:H	1	0.57
(1,754)	1:B:86:LYS:HD3	1:B:87:HIS:H	1	0.57
(1,700)	1:A:87:HIS:HD1	1:A:91:LEU:HA	11	0.57
(1,700)	1:A:87:HIS:HD1	1:B:91:LEU:HA	11	0.57
(1,700)	1:B:87:HIS:HD1	1:A:91:LEU:HA	11	0.57
(1,700)	1:B:87:HIS:HD1	1:B:91:LEU:HA	11	0.57
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE1	20	0.57
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE2	20	0.57
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE3	20	0.57
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE1	20	0.57
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE2	20	0.57
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE3	20	0.57
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE1	20	0.57
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE2	20	0.57
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE3	20	0.57
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE1	20	0.57
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE2	20	0.57
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE3	20	0.57
(1,552)	1:A:93:ARG:HB3	1:A:94:ALA:HA	1	0.57
(1,552)	1:A:93:ARG:HB3	1:B:94:ALA:HA	1	0.57
(1,552)	1:B:93:ARG:HB3	1:A:94:ALA:HA	1	0.57
(1,552)	1:B:93:ARG:HB3	1:B:94:ALA:HA	1	0.57
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE2	17	0.57
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE3	17	0.57
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE2	17	0.57
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE3	17	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE2	17	0.57
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE3	17	0.57
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE2	17	0.57
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE3	17	0.57
(1,531)	1:A:87:HIS:H	1:A:88:LEU:HB2	17	0.57
(1,531)	1:A:87:HIS:H	1:B:88:LEU:HB2	17	0.57
(1,531)	1:B:87:HIS:H	1:A:88:LEU:HB2	17	0.57
(1,531)	1:B:87:HIS:H	1:B:88:LEU:HB2	17	0.57
(1,277)	1:A:54:LEU:HD21	1:A:80:ILE:H	2	0.57
(1,277)	1:A:54:LEU:HD21	1:B:80:ILE:H	2	0.57
(1,277)	1:B:54:LEU:HD21	1:A:80:ILE:H	2	0.57
(1,277)	1:B:54:LEU:HD21	1:B:80:ILE:H	2	0.57
(1,277)	1:B:54:LEU:HD22	1:A:80:ILE:H	2	0.57
(1,277)	1:B:54:LEU:HD22	1:B:80:ILE:H	2	0.57
(1,277)	1:B:54:LEU:HD23	1:A:80:ILE:H	2	0.57
(1,277)	1:B:54:LEU:HD23	1:B:80:ILE:H	2	0.57
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB2	10	0.56
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB3	10	0.56
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB2	10	0.56
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB3	10	0.56
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB2	10	0.56
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB3	10	0.56
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB2	10	0.56
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB3	10	0.56
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	11	0.56
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	11	0.56
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	11	0.56
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	11	0.56
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	11	0.56
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	11	0.56
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	11	0.56
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	11	0.56
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	11	0.56
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	11	0.56
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	11	0.56
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	11	0.56
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD21	11	0.56
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD22	11	0.56
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD23	11	0.56
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD21	11	0.56
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD22	11	0.56
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD23	11	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	11	0.56
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	11	0.56
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	11	0.56
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	11	0.56
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	11	0.56
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	11	0.56
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	11	0.56
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	11	0.56
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	11	0.56
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	11	0.56
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	11	0.56
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	11	0.56
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD21	11	0.56
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD22	11	0.56
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD23	11	0.56
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD21	11	0.56
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD22	11	0.56
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD23	11	0.56
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG21	17	0.56
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG22	17	0.56
(1,69)	1:A:83:MET:H	1:A:80:ILE:HG23	17	0.56
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG21	17	0.56
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG22	17	0.56
(1,69)	1:A:83:MET:H	1:B:80:ILE:HG23	17	0.56
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG21	17	0.56
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG22	17	0.56
(1,69)	1:B:83:MET:H	1:A:80:ILE:HG23	17	0.56
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG21	17	0.56
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG22	17	0.56
(1,69)	1:B:83:MET:H	1:B:80:ILE:HG23	17	0.56
(1,552)	1:A:93:ARG:HB3	1:A:94:ALA:HA	10	0.56
(1,552)	1:A:93:ARG:HB3	1:B:94:ALA:HA	10	0.56
(1,552)	1:B:93:ARG:HB3	1:A:94:ALA:HA	10	0.56
(1,552)	1:B:93:ARG:HB3	1:B:94:ALA:HA	10	0.56
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE2	6	0.56
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE3	6	0.56
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE2	6	0.56
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE3	6	0.56
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE2	6	0.56
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE3	6	0.56
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE2	6	0.56
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE3	6	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,274)	1:A:86:LYS:HG2	1:A:89:ARG:H	2	0.56
(1,274)	1:A:86:LYS:HG2	1:B:89:ARG:H	2	0.56
(1,274)	1:B:86:LYS:HG2	1:A:89:ARG:H	2	0.56
(1,274)	1:B:86:LYS:HG2	1:B:89:ARG:H	2	0.56
(1,831)	1:A:87:HIS:HD1	1:A:91:LEU:H	3	0.55
(1,831)	1:A:87:HIS:HD1	1:B:91:LEU:H	3	0.55
(1,831)	1:A:87:HIS:HD2	1:A:91:LEU:H	3	0.55
(1,831)	1:A:87:HIS:HD2	1:B:91:LEU:H	3	0.55
(1,831)	1:B:87:HIS:HD1	1:A:91:LEU:H	3	0.55
(1,831)	1:B:87:HIS:HD1	1:B:91:LEU:H	3	0.55
(1,831)	1:B:87:HIS:HD2	1:A:91:LEU:H	3	0.55
(1,831)	1:B:87:HIS:HD2	1:B:91:LEU:H	3	0.55
(1,754)	1:A:86:LYS:HD3	1:A:87:HIS:H	2	0.55
(1,754)	1:A:86:LYS:HD3	1:B:87:HIS:H	2	0.55
(1,754)	1:B:86:LYS:HD3	1:A:87:HIS:H	2	0.55
(1,754)	1:B:86:LYS:HD3	1:B:87:HIS:H	2	0.55
(1,754)	1:A:86:LYS:HD3	1:A:87:HIS:H	12	0.55
(1,754)	1:A:86:LYS:HD3	1:B:87:HIS:H	12	0.55
(1,754)	1:B:86:LYS:HD3	1:A:87:HIS:H	12	0.55
(1,754)	1:B:86:LYS:HD3	1:B:87:HIS:H	12	0.55
(1,754)	1:A:86:LYS:HD3	1:A:87:HIS:H	14	0.55
(1,754)	1:A:86:LYS:HD3	1:B:87:HIS:H	14	0.55
(1,754)	1:B:86:LYS:HD3	1:A:87:HIS:H	14	0.55
(1,754)	1:B:86:LYS:HD3	1:B:87:HIS:H	14	0.55
(1,731)	1:A:86:LYS:HD3	1:A:87:HIS:HA	13	0.55
(1,731)	1:A:86:LYS:HD3	1:B:87:HIS:HA	13	0.55
(1,731)	1:B:86:LYS:HD3	1:A:87:HIS:HA	13	0.55
(1,731)	1:B:86:LYS:HD3	1:B:87:HIS:HA	13	0.55
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB2	14	0.55
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB3	14	0.55
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB2	14	0.55
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB3	14	0.55
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB2	14	0.55
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB3	14	0.55
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB2	14	0.55
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB3	14	0.55
(1,552)	1:A:93:ARG:HB3	1:A:94:ALA:HA	15	0.55
(1,552)	1:A:93:ARG:HB3	1:B:94:ALA:HA	15	0.55
(1,552)	1:B:93:ARG:HB3	1:A:94:ALA:HA	15	0.55
(1,552)	1:B:93:ARG:HB3	1:B:94:ALA:HA	15	0.55
(1,552)	1:A:93:ARG:HB3	1:A:94:ALA:HA	16	0.55
(1,552)	1:A:93:ARG:HB3	1:B:94:ALA:HA	16	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,552)	1:B:93:ARG:HB3	1:A:94:ALA:HA	16	0.55
(1,552)	1:B:93:ARG:HB3	1:B:94:ALA:HA	16	0.55
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB2	13	0.55
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB3	13	0.55
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB2	13	0.55
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB3	13	0.55
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB2	13	0.55
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB3	13	0.55
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB2	13	0.55
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB3	13	0.55
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB2	18	0.55
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB3	18	0.55
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB2	18	0.55
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB3	18	0.55
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB2	18	0.55
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB3	18	0.55
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB2	18	0.55
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB3	18	0.55
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD21	14	0.55
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD22	14	0.55
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD23	14	0.55
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD21	14	0.55
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD22	14	0.55
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD23	14	0.55
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD21	14	0.55
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD22	14	0.55
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD23	14	0.55
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD21	14	0.55
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD22	14	0.55
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD23	14	0.55
(1,483)	1:A:76:GLU:HA	1:A:80:ILE:HB	14	0.55
(1,483)	1:A:76:GLU:HA	1:B:80:ILE:HB	14	0.55
(1,483)	1:B:76:GLU:HA	1:A:80:ILE:HB	14	0.55
(1,483)	1:B:76:GLU:HA	1:B:80:ILE:HB	14	0.55
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD2	4	0.55
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD3	4	0.55
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD2	4	0.55
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD3	4	0.55
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD2	4	0.55
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD3	4	0.55
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD2	4	0.55
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD3	4	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,274)	1:A:86:LYS:HG2	1:A:89:ARG:H	10	0.55
(1,274)	1:A:86:LYS:HG2	1:B:89:ARG:H	10	0.55
(1,274)	1:B:86:LYS:HG2	1:A:89:ARG:H	10	0.55
(1,274)	1:B:86:LYS:HG2	1:B:89:ARG:H	10	0.55
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB2	19	0.54
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB3	19	0.54
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB2	19	0.54
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB3	19	0.54
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB2	19	0.54
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB3	19	0.54
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB2	19	0.54
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB3	19	0.54
(1,552)	1:A:93:ARG:HB3	1:A:94:ALA:HA	18	0.54
(1,552)	1:A:93:ARG:HB3	1:B:94:ALA:HA	18	0.54
(1,552)	1:B:93:ARG:HB3	1:A:94:ALA:HA	18	0.54
(1,552)	1:B:93:ARG:HB3	1:B:94:ALA:HA	18	0.54
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB2	11	0.54
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB3	11	0.54
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB2	11	0.54
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB3	11	0.54
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB2	11	0.54
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB3	11	0.54
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB2	11	0.54
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB3	11	0.54
(1,50)	1:A:68:ASP:HA	1:A:71:ARG:H	4	0.54
(1,50)	1:A:68:ASP:HA	1:B:71:ARG:H	4	0.54
(1,50)	1:B:68:ASP:HA	1:A:71:ARG:H	4	0.54
(1,50)	1:B:68:ASP:HA	1:B:71:ARG:H	4	0.54
(1,50)	1:A:68:ASP:HA	1:A:71:ARG:H	19	0.54
(1,50)	1:A:68:ASP:HA	1:B:71:ARG:H	19	0.54
(1,50)	1:B:68:ASP:HA	1:A:71:ARG:H	19	0.54
(1,50)	1:B:68:ASP:HA	1:B:71:ARG:H	19	0.54
(1,277)	1:A:54:LEU:HD21	1:A:80:ILE:H	18	0.54
(1,277)	1:A:54:LEU:HD21	1:B:80:ILE:H	18	0.54
(1,277)	1:B:54:LEU:HD21	1:A:80:ILE:H	18	0.54
(1,277)	1:B:54:LEU:HD21	1:B:80:ILE:H	18	0.54
(1,277)	1:B:54:LEU:HD22	1:A:80:ILE:H	18	0.54
(1,277)	1:B:54:LEU:HD22	1:B:80:ILE:H	18	0.54
(1,277)	1:B:54:LEU:HD23	1:A:80:ILE:H	18	0.54
(1,277)	1:B:54:LEU:HD23	1:B:80:ILE:H	18	0.54
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB2	13	0.53
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB3	13	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB2	13	0.53
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB3	13	0.53
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB2	13	0.53
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB3	13	0.53
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB2	13	0.53
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB3	13	0.53
(1,754)	1:A:86:LYS:HD3	1:A:87:HIS:H	6	0.53
(1,754)	1:A:86:LYS:HD3	1:B:87:HIS:H	6	0.53
(1,754)	1:B:86:LYS:HD3	1:A:87:HIS:H	6	0.53
(1,754)	1:B:86:LYS:HD3	1:B:87:HIS:H	6	0.53
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB2	13	0.53
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB3	13	0.53
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB2	13	0.53
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB3	13	0.53
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB2	13	0.53
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB3	13	0.53
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB2	13	0.53
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB3	13	0.53
(1,552)	1:A:93:ARG:HB3	1:A:94:ALA:HA	3	0.53
(1,552)	1:A:93:ARG:HB3	1:B:94:ALA:HA	3	0.53
(1,552)	1:B:93:ARG:HB3	1:A:94:ALA:HA	3	0.53
(1,552)	1:B:93:ARG:HB3	1:B:94:ALA:HA	3	0.53
(1,483)	1:A:76:GLU:HA	1:A:80:ILE:HB	4	0.53
(1,483)	1:A:76:GLU:HA	1:B:80:ILE:HB	4	0.53
(1,483)	1:B:76:GLU:HA	1:A:80:ILE:HB	4	0.53
(1,483)	1:B:76:GLU:HA	1:B:80:ILE:HB	4	0.53
(1,420)	1:A:87:HIS:HD2	1:A:91:LEU:HA	16	0.53
(1,420)	1:A:87:HIS:HD2	1:B:91:LEU:HA	16	0.53
(1,420)	1:B:87:HIS:HD2	1:A:91:LEU:HA	16	0.53
(1,420)	1:B:87:HIS:HD2	1:B:91:LEU:HA	16	0.53
(1,316)	1:A:90:ASN:H	1:A:91:LEU:HG	10	0.53
(1,316)	1:A:90:ASN:H	1:B:91:LEU:HG	10	0.53
(1,316)	1:B:90:ASN:H	1:A:91:LEU:HG	10	0.53
(1,316)	1:B:90:ASN:H	1:B:91:LEU:HG	10	0.53
(1,934)	1:A:74:LYS:H	1:A:70:SER:O	1	0.52
(1,934)	1:A:74:LYS:H	1:B:70:SER:O	1	0.52
(1,934)	1:B:74:LYS:H	1:A:70:SER:O	1	0.52
(1,934)	1:B:74:LYS:H	1:B:70:SER:O	1	0.52
(1,744)	1:A:66:LYS:HD3	1:A:67:LYS:H	13	0.52
(1,744)	1:A:66:LYS:HD3	1:B:67:LYS:H	13	0.52
(1,744)	1:B:66:LYS:HD3	1:A:67:LYS:H	13	0.52
(1,744)	1:B:66:LYS:HD3	1:B:67:LYS:H	13	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,700)	1:A:87:HIS:HD1	1:A:91:LEU:HA	17	0.52
(1,700)	1:A:87:HIS:HD1	1:B:91:LEU:HA	17	0.52
(1,700)	1:B:87:HIS:HD1	1:A:91:LEU:HA	17	0.52
(1,700)	1:B:87:HIS:HD1	1:B:91:LEU:HA	17	0.52
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB2	7	0.52
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB3	7	0.52
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB2	7	0.52
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB3	7	0.52
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB2	7	0.52
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB3	7	0.52
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB2	7	0.52
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB3	7	0.52
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD1	14	0.52
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD2	14	0.52
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD1	14	0.52
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD2	14	0.52
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD1	14	0.52
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD2	14	0.52
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD1	14	0.52
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD2	14	0.52
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD1	14	0.52
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD2	14	0.52
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD1	14	0.52
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD2	14	0.52
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD1	14	0.52
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD2	14	0.52
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD1	14	0.52
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD2	14	0.52
(1,552)	1:A:93:ARG:HB3	1:A:94:ALA:HA	2	0.52
(1,552)	1:A:93:ARG:HB3	1:B:94:ALA:HA	2	0.52
(1,552)	1:B:93:ARG:HB3	1:A:94:ALA:HA	2	0.52
(1,552)	1:B:93:ARG:HB3	1:B:94:ALA:HA	2	0.52
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE2	1	0.52
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE3	1	0.52
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE2	1	0.52
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE3	1	0.52
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE2	1	0.52
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE3	1	0.52
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE2	1	0.52
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE3	1	0.52
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB2	20	0.52
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB3	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB2	20	0.52
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB3	20	0.52
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB2	20	0.52
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB3	20	0.52
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB2	20	0.52
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB3	20	0.52
(1,270)	1:A:79:ASP:H	1:A:54:LEU:HD21	4	0.52
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD21	4	0.52
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD22	4	0.52
(1,270)	1:A:79:ASP:H	1:B:54:LEU:HD23	4	0.52
(1,270)	1:B:79:ASP:H	1:A:54:LEU:HD21	4	0.52
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD21	4	0.52
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD22	4	0.52
(1,270)	1:B:79:ASP:H	1:B:54:LEU:HD23	4	0.52
(1,936)	1:A:75:LEU:H	1:A:71:ARG:O	10	0.51
(1,936)	1:A:75:LEU:H	1:B:71:ARG:O	10	0.51
(1,936)	1:B:75:LEU:H	1:A:71:ARG:O	10	0.51
(1,936)	1:B:75:LEU:H	1:B:71:ARG:O	10	0.51
(1,936)	1:A:75:LEU:H	1:A:71:ARG:O	12	0.51
(1,936)	1:A:75:LEU:H	1:B:71:ARG:O	12	0.51
(1,936)	1:B:75:LEU:H	1:A:71:ARG:O	12	0.51
(1,936)	1:B:75:LEU:H	1:B:71:ARG:O	12	0.51
(1,936)	1:A:75:LEU:H	1:A:71:ARG:O	18	0.51
(1,936)	1:A:75:LEU:H	1:B:71:ARG:O	18	0.51
(1,936)	1:B:75:LEU:H	1:A:71:ARG:O	18	0.51
(1,936)	1:B:75:LEU:H	1:B:71:ARG:O	18	0.51
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	20	0.51
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	20	0.51
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	20	0.51
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	20	0.51
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	20	0.51
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	20	0.51
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	20	0.51
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	20	0.51
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	20	0.51
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	20	0.51
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	20	0.51
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	20	0.51
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD21	20	0.51
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD22	20	0.51
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD23	20	0.51
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD21	20	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD22	20	0.51
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD23	20	0.51
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	20	0.51
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	20	0.51
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	20	0.51
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	20	0.51
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	20	0.51
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	20	0.51
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	20	0.51
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	20	0.51
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	20	0.51
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	20	0.51
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	20	0.51
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	20	0.51
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD21	20	0.51
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD22	20	0.51
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD23	20	0.51
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD21	20	0.51
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD22	20	0.51
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD23	20	0.51
(1,754)	1:A:86:LYS:HD3	1:A:87:HIS:H	8	0.51
(1,754)	1:A:86:LYS:HD3	1:B:87:HIS:H	8	0.51
(1,754)	1:B:86:LYS:HD3	1:A:87:HIS:H	8	0.51
(1,754)	1:B:86:LYS:HD3	1:B:87:HIS:H	8	0.51
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD11	18	0.51
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD12	18	0.51
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD13	18	0.51
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD11	18	0.51
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD12	18	0.51
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD13	18	0.51
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD11	18	0.51
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD12	18	0.51
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD13	18	0.51
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD11	18	0.51
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD12	18	0.51
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD13	18	0.51
(1,744)	1:A:66:LYS:HD3	1:A:67:LYS:H	1	0.51
(1,744)	1:A:66:LYS:HD3	1:B:67:LYS:H	1	0.51
(1,744)	1:B:66:LYS:HD3	1:A:67:LYS:H	1	0.51
(1,744)	1:B:66:LYS:HD3	1:B:67:LYS:H	1	0.51
(1,705)	1:A:72:HIS:HA	1:A:75:LEU:HD11	3	0.51
(1,705)	1:A:72:HIS:HA	1:A:75:LEU:HD12	3	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,705)	1:A:72:HIS:HA	1:A:75:LEU:HD13	3	0.51
(1,705)	1:A:72:HIS:HA	1:B:75:LEU:HD11	3	0.51
(1,705)	1:A:72:HIS:HA	1:B:75:LEU:HD12	3	0.51
(1,705)	1:A:72:HIS:HA	1:B:75:LEU:HD13	3	0.51
(1,705)	1:B:72:HIS:HA	1:A:75:LEU:HD11	3	0.51
(1,705)	1:B:72:HIS:HA	1:A:75:LEU:HD12	3	0.51
(1,705)	1:B:72:HIS:HA	1:A:75:LEU:HD13	3	0.51
(1,705)	1:B:72:HIS:HA	1:B:75:LEU:HD11	3	0.51
(1,705)	1:B:72:HIS:HA	1:B:75:LEU:HD12	3	0.51
(1,705)	1:B:72:HIS:HA	1:B:75:LEU:HD13	3	0.51
(1,552)	1:A:93:ARG:HB3	1:A:94:ALA:HA	8	0.51
(1,552)	1:A:93:ARG:HB3	1:B:94:ALA:HA	8	0.51
(1,552)	1:B:93:ARG:HB3	1:A:94:ALA:HA	8	0.51
(1,552)	1:B:93:ARG:HB3	1:B:94:ALA:HA	8	0.51
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE2	7	0.51
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE3	7	0.51
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE2	7	0.51
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE3	7	0.51
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE2	7	0.51
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE3	7	0.51
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE2	7	0.51
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE3	7	0.51
(1,50)	1:A:68:ASP:HA	1:A:71:ARG:H	13	0.51
(1,50)	1:A:68:ASP:HA	1:B:71:ARG:H	13	0.51
(1,50)	1:B:68:ASP:HA	1:A:71:ARG:H	13	0.51
(1,50)	1:B:68:ASP:HA	1:B:71:ARG:H	13	0.51
(1,277)	1:A:54:LEU:HD21	1:A:80:ILE:H	15	0.51
(1,277)	1:A:54:LEU:HD21	1:B:80:ILE:H	15	0.51
(1,277)	1:B:54:LEU:HD21	1:A:80:ILE:H	15	0.51
(1,277)	1:B:54:LEU:HD21	1:B:80:ILE:H	15	0.51
(1,277)	1:B:54:LEU:HD22	1:A:80:ILE:H	15	0.51
(1,277)	1:B:54:LEU:HD22	1:B:80:ILE:H	15	0.51
(1,277)	1:B:54:LEU:HD23	1:A:80:ILE:H	15	0.51
(1,277)	1:B:54:LEU:HD23	1:B:80:ILE:H	15	0.51
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB2	9	0.5
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB3	9	0.5
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB2	9	0.5
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB3	9	0.5
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB2	9	0.5
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB3	9	0.5
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB2	9	0.5
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB3	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB2	17	0.5
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB3	17	0.5
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB2	17	0.5
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB3	17	0.5
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB2	17	0.5
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB3	17	0.5
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB2	17	0.5
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB3	17	0.5
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD21	7	0.5
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD22	7	0.5
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD23	7	0.5
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD21	7	0.5
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD22	7	0.5
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD23	7	0.5
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD21	7	0.5
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD22	7	0.5
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD23	7	0.5
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD21	7	0.5
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD22	7	0.5
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD23	7	0.5
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD21	20	0.5
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD22	20	0.5
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD23	20	0.5
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD21	20	0.5
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD22	20	0.5
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD23	20	0.5
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD21	20	0.5
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD22	20	0.5
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD23	20	0.5
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD21	20	0.5
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD22	20	0.5
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD23	20	0.5
(1,937)	1:A:75:LEU:N	1:A:71:ARG:O	8	0.49
(1,937)	1:A:75:LEU:N	1:B:71:ARG:O	8	0.49
(1,937)	1:B:75:LEU:N	1:A:71:ARG:O	8	0.49
(1,937)	1:B:75:LEU:N	1:B:71:ARG:O	8	0.49
(1,754)	1:A:86:LYS:HD3	1:A:87:HIS:H	5	0.49
(1,754)	1:A:86:LYS:HD3	1:B:87:HIS:H	5	0.49
(1,754)	1:B:86:LYS:HD3	1:A:87:HIS:H	5	0.49
(1,754)	1:B:86:LYS:HD3	1:B:87:HIS:H	5	0.49
(1,709)	1:A:86:LYS:HA	1:A:86:LYS:HD3	12	0.49
(1,709)	1:A:86:LYS:HA	1:B:86:LYS:HD3	12	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,709)	1:B:86:LYS:HA	1:A:86:LYS:HD3	12	0.49
(1,709)	1:B:86:LYS:HA	1:B:86:LYS:HD3	12	0.49
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB2	14	0.49
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB3	14	0.49
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB2	14	0.49
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB3	14	0.49
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB2	14	0.49
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB3	14	0.49
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB2	14	0.49
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB3	14	0.49
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB2	20	0.49
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB3	20	0.49
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB2	20	0.49
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB3	20	0.49
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB2	20	0.49
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB3	20	0.49
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB2	20	0.49
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB3	20	0.49
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD1	7	0.49
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD2	7	0.49
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD1	7	0.49
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD2	7	0.49
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD1	7	0.49
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD2	7	0.49
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD1	7	0.49
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD2	7	0.49
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD1	7	0.49
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD2	7	0.49
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD1	7	0.49
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD2	7	0.49
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD1	7	0.49
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD2	7	0.49
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD1	7	0.49
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD2	7	0.49
(1,552)	1:A:93:ARG:HB3	1:A:94:ALA:HA	17	0.49
(1,552)	1:A:93:ARG:HB3	1:B:94:ALA:HA	17	0.49
(1,552)	1:B:93:ARG:HB3	1:A:94:ALA:HA	17	0.49
(1,552)	1:B:93:ARG:HB3	1:B:94:ALA:HA	17	0.49
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB2	14	0.49
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB3	14	0.49
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB2	14	0.49
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB3	14	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB2	14	0.49
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB3	14	0.49
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB2	14	0.49
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB3	14	0.49
(1,50)	1:A:68:ASP:HA	1:A:71:ARG:H	11	0.49
(1,50)	1:A:68:ASP:HA	1:B:71:ARG:H	11	0.49
(1,50)	1:B:68:ASP:HA	1:A:71:ARG:H	11	0.49
(1,50)	1:B:68:ASP:HA	1:B:71:ARG:H	11	0.49
(1,50)	1:A:68:ASP:HA	1:A:71:ARG:H	12	0.49
(1,50)	1:A:68:ASP:HA	1:B:71:ARG:H	12	0.49
(1,50)	1:B:68:ASP:HA	1:A:71:ARG:H	12	0.49
(1,50)	1:B:68:ASP:HA	1:B:71:ARG:H	12	0.49
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD21	18	0.49
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD22	18	0.49
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD23	18	0.49
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD21	18	0.49
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD22	18	0.49
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD23	18	0.49
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD21	18	0.49
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD22	18	0.49
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD23	18	0.49
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD21	18	0.49
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD22	18	0.49
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD23	18	0.49
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD2	7	0.49
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD3	7	0.49
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD2	7	0.49
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD3	7	0.49
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD2	7	0.49
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD3	7	0.49
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD2	7	0.49
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD3	7	0.49
(1,274)	1:A:86:LYS:HG2	1:A:89:ARG:H	3	0.49
(1,274)	1:A:86:LYS:HG2	1:B:89:ARG:H	3	0.49
(1,274)	1:B:86:LYS:HG2	1:A:89:ARG:H	3	0.49
(1,274)	1:B:86:LYS:HG2	1:B:89:ARG:H	3	0.49
(1,831)	1:A:87:HIS:HD1	1:A:91:LEU:H	20	0.48
(1,831)	1:A:87:HIS:HD1	1:B:91:LEU:H	20	0.48
(1,831)	1:A:87:HIS:HD2	1:A:91:LEU:H	20	0.48
(1,831)	1:A:87:HIS:HD2	1:B:91:LEU:H	20	0.48
(1,831)	1:B:87:HIS:HD1	1:A:91:LEU:H	20	0.48
(1,831)	1:B:87:HIS:HD1	1:B:91:LEU:H	20	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,831)	1:B:87:HIS:HD2	1:A:91:LEU:H	20	0.48
(1,831)	1:B:87:HIS:HD2	1:B:91:LEU:H	20	0.48
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB2	6	0.48
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB3	6	0.48
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB2	6	0.48
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB3	6	0.48
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB2	6	0.48
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB3	6	0.48
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB2	6	0.48
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB3	6	0.48
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB2	19	0.48
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB3	19	0.48
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB2	19	0.48
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB3	19	0.48
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB2	19	0.48
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB3	19	0.48
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB2	19	0.48
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB3	19	0.48
(1,709)	1:A:86:LYS:HA	1:A:86:LYS:HD3	2	0.48
(1,709)	1:A:86:LYS:HA	1:B:86:LYS:HD3	2	0.48
(1,709)	1:B:86:LYS:HA	1:A:86:LYS:HD3	2	0.48
(1,709)	1:B:86:LYS:HA	1:B:86:LYS:HD3	2	0.48
(1,709)	1:A:86:LYS:HA	1:A:86:LYS:HD3	8	0.48
(1,709)	1:A:86:LYS:HA	1:B:86:LYS:HD3	8	0.48
(1,709)	1:B:86:LYS:HA	1:A:86:LYS:HD3	8	0.48
(1,709)	1:B:86:LYS:HA	1:B:86:LYS:HD3	8	0.48
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE2	13	0.48
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE3	13	0.48
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE2	13	0.48
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE3	13	0.48
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE2	13	0.48
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE3	13	0.48
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE2	13	0.48
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE3	13	0.48
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD21	8	0.48
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD22	8	0.48
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD23	8	0.48
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD21	8	0.48
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD22	8	0.48
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD23	8	0.48
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD21	8	0.48
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD22	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD23	8	0.48
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD21	8	0.48
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD22	8	0.48
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD23	8	0.48
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD2	2	0.48
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD3	2	0.48
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD2	2	0.48
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD3	2	0.48
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD2	2	0.48
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD3	2	0.48
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD2	2	0.48
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD3	2	0.48
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB2	5	0.47
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB3	5	0.47
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB2	5	0.47
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB3	5	0.47
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB2	5	0.47
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB3	5	0.47
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB2	5	0.47
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB3	5	0.47
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	8	0.47
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	8	0.47
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	8	0.47
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	8	0.47
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	8	0.47
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	8	0.47
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	8	0.47
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	8	0.47
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	8	0.47
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	8	0.47
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	8	0.47
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	8	0.47
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD21	8	0.47
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD22	8	0.47
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD23	8	0.47
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD21	8	0.47
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD22	8	0.47
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD23	8	0.47
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	8	0.47
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	8	0.47
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	8	0.47
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	8	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	8	0.47
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	8	0.47
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	8	0.47
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	8	0.47
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	8	0.47
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	8	0.47
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	8	0.47
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	8	0.47
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD21	8	0.47
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD22	8	0.47
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD23	8	0.47
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD21	8	0.47
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD22	8	0.47
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD23	8	0.47
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	16	0.47
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	16	0.47
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	16	0.47
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	16	0.47
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	16	0.47
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	16	0.47
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	16	0.47
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	16	0.47
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	16	0.47
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	16	0.47
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	16	0.47
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	16	0.47
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD21	16	0.47
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD22	16	0.47
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD23	16	0.47
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD21	16	0.47
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD22	16	0.47
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD23	16	0.47
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	16	0.47
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	16	0.47
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	16	0.47
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	16	0.47
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	16	0.47
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	16	0.47
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	16	0.47
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	16	0.47
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	16	0.47
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	16	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	16	0.47
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	16	0.47
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD21	16	0.47
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD22	16	0.47
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD23	16	0.47
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD21	16	0.47
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD22	16	0.47
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD23	16	0.47
(1,754)	1:A:86:LYS:HD3	1:A:87:HIS:H	18	0.47
(1,754)	1:A:86:LYS:HD3	1:B:87:HIS:H	18	0.47
(1,754)	1:B:86:LYS:HD3	1:A:87:HIS:H	18	0.47
(1,754)	1:B:86:LYS:HD3	1:B:87:HIS:H	18	0.47
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD1	8	0.47
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD2	8	0.47
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD1	8	0.47
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD2	8	0.47
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD1	8	0.47
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD2	8	0.47
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD1	8	0.47
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD2	8	0.47
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD1	8	0.47
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD2	8	0.47
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD1	8	0.47
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD2	8	0.47
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD1	8	0.47
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD2	8	0.47
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD1	8	0.47
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD2	8	0.47
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	18	0.47
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	18	0.47
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	18	0.47
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	18	0.47
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	18	0.47
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	18	0.47
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	18	0.47
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	18	0.47
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	18	0.47
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	18	0.47
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	18	0.47
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	18	0.47
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE2	14	0.47
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE3	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE2	14	0.47
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE3	14	0.47
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE2	14	0.47
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE3	14	0.47
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE2	14	0.47
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE3	14	0.47
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB2	3	0.47
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB3	3	0.47
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB2	3	0.47
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB3	3	0.47
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB2	3	0.47
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB3	3	0.47
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB2	3	0.47
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB3	3	0.47
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD2	14	0.47
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD3	14	0.47
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD2	14	0.47
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD3	14	0.47
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD2	14	0.47
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD3	14	0.47
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD2	14	0.47
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD3	14	0.47
(1,420)	1:A:87:HIS:HD2	1:A:91:LEU:HA	4	0.47
(1,420)	1:A:87:HIS:HD2	1:B:91:LEU:HA	4	0.47
(1,420)	1:B:87:HIS:HD2	1:A:91:LEU:HA	4	0.47
(1,420)	1:B:87:HIS:HD2	1:B:91:LEU:HA	4	0.47
(1,35)	1:A:66:LYS:HG2	1:A:67:LYS:H	14	0.47
(1,35)	1:A:66:LYS:HG2	1:B:67:LYS:H	14	0.47
(1,35)	1:B:66:LYS:HG2	1:A:67:LYS:H	14	0.47
(1,35)	1:B:66:LYS:HG2	1:B:67:LYS:H	14	0.47
(1,936)	1:A:75:LEU:H	1:A:71:ARG:O	7	0.46
(1,936)	1:A:75:LEU:H	1:B:71:ARG:O	7	0.46
(1,936)	1:B:75:LEU:H	1:A:71:ARG:O	7	0.46
(1,936)	1:B:75:LEU:H	1:B:71:ARG:O	7	0.46
(1,738)	1:A:76:GLU:HA	1:A:79:ASP:HB2	12	0.46
(1,738)	1:A:76:GLU:HA	1:B:79:ASP:HB2	12	0.46
(1,738)	1:B:76:GLU:HA	1:A:79:ASP:HB2	12	0.46
(1,738)	1:B:76:GLU:HA	1:B:79:ASP:HB2	12	0.46
(1,709)	1:A:86:LYS:HA	1:A:86:LYS:HD3	1	0.46
(1,709)	1:A:86:LYS:HA	1:B:86:LYS:HD3	1	0.46
(1,709)	1:B:86:LYS:HA	1:A:86:LYS:HD3	1	0.46
(1,709)	1:B:86:LYS:HA	1:B:86:LYS:HD3	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,709)	1:A:86:LYS:HA	1:A:86:LYS:HD3	5	0.46
(1,709)	1:A:86:LYS:HA	1:B:86:LYS:HD3	5	0.46
(1,709)	1:B:86:LYS:HA	1:A:86:LYS:HD3	5	0.46
(1,709)	1:B:86:LYS:HA	1:B:86:LYS:HD3	5	0.46
(1,709)	1:A:86:LYS:HA	1:A:86:LYS:HD3	18	0.46
(1,709)	1:A:86:LYS:HA	1:B:86:LYS:HD3	18	0.46
(1,709)	1:B:86:LYS:HA	1:A:86:LYS:HD3	18	0.46
(1,709)	1:B:86:LYS:HA	1:B:86:LYS:HD3	18	0.46
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD1	1	0.46
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD2	1	0.46
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD1	1	0.46
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD2	1	0.46
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD1	1	0.46
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD2	1	0.46
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD1	1	0.46
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD2	1	0.46
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD1	1	0.46
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD2	1	0.46
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD1	1	0.46
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD2	1	0.46
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD1	1	0.46
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD2	1	0.46
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD1	1	0.46
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD2	1	0.46
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD1	5	0.46
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD2	5	0.46
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD1	5	0.46
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD2	5	0.46
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD1	5	0.46
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD2	5	0.46
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD1	5	0.46
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD2	5	0.46
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD1	5	0.46
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD2	5	0.46
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD1	5	0.46
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD2	5	0.46
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD1	5	0.46
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD2	5	0.46
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD1	5	0.46
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD2	5	0.46
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD1	19	0.46
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD2	19	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD1	19	0.46
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD2	19	0.46
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD1	19	0.46
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD2	19	0.46
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD1	19	0.46
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD2	19	0.46
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD1	19	0.46
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD2	19	0.46
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD1	19	0.46
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD2	19	0.46
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD1	19	0.46
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD2	19	0.46
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD1	19	0.46
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD2	19	0.46
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB2	1	0.46
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB3	1	0.46
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB2	1	0.46
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB3	1	0.46
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB2	1	0.46
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB3	1	0.46
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB2	1	0.46
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB3	1	0.46
(1,50)	1:A:68:ASP:HA	1:A:71:ARG:H	8	0.46
(1,50)	1:A:68:ASP:HA	1:B:71:ARG:H	8	0.46
(1,50)	1:B:68:ASP:HA	1:A:71:ARG:H	8	0.46
(1,50)	1:B:68:ASP:HA	1:B:71:ARG:H	8	0.46
(1,50)	1:A:68:ASP:HA	1:A:71:ARG:H	18	0.46
(1,50)	1:A:68:ASP:HA	1:B:71:ARG:H	18	0.46
(1,50)	1:B:68:ASP:HA	1:A:71:ARG:H	18	0.46
(1,50)	1:B:68:ASP:HA	1:B:71:ARG:H	18	0.46
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD21	19	0.46
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD22	19	0.46
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD23	19	0.46
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD21	19	0.46
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD22	19	0.46
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD23	19	0.46
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD21	19	0.46
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD22	19	0.46
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD23	19	0.46
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD21	19	0.46
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD22	19	0.46
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD23	19	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,277)	1:A:54:LEU:HD21	1:A:80:ILE:H	16	0.46
(1,277)	1:A:54:LEU:HD21	1:B:80:ILE:H	16	0.46
(1,277)	1:B:54:LEU:HD21	1:A:80:ILE:H	16	0.46
(1,277)	1:B:54:LEU:HD21	1:B:80:ILE:H	16	0.46
(1,277)	1:B:54:LEU:HD22	1:A:80:ILE:H	16	0.46
(1,277)	1:B:54:LEU:HD22	1:B:80:ILE:H	16	0.46
(1,277)	1:B:54:LEU:HD23	1:A:80:ILE:H	16	0.46
(1,277)	1:B:54:LEU:HD23	1:B:80:ILE:H	16	0.46
(1,935)	1:A:74:LYS:N	1:A:70:SER:O	6	0.45
(1,935)	1:A:74:LYS:N	1:B:70:SER:O	6	0.45
(1,935)	1:B:74:LYS:N	1:A:70:SER:O	6	0.45
(1,935)	1:B:74:LYS:N	1:B:70:SER:O	6	0.45
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	2	0.45
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	2	0.45
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	2	0.45
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	2	0.45
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	2	0.45
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	2	0.45
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	2	0.45
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	2	0.45
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	2	0.45
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	2	0.45
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	2	0.45
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	2	0.45
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD21	2	0.45
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD22	2	0.45
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD23	2	0.45
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD21	2	0.45
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD22	2	0.45
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD23	2	0.45
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	2	0.45
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	2	0.45
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	2	0.45
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	2	0.45
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	2	0.45
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	2	0.45
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	2	0.45
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	2	0.45
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	2	0.45
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	2	0.45
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	2	0.45
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD21	2	0.45
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD22	2	0.45
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD23	2	0.45
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD21	2	0.45
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD22	2	0.45
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD23	2	0.45
(1,754)	1:A:86:LYS:HD3	1:A:87:HIS:H	7	0.45
(1,754)	1:A:86:LYS:HD3	1:B:87:HIS:H	7	0.45
(1,754)	1:B:86:LYS:HD3	1:A:87:HIS:H	7	0.45
(1,754)	1:B:86:LYS:HD3	1:B:87:HIS:H	7	0.45
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD11	8	0.45
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD12	8	0.45
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD13	8	0.45
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD11	8	0.45
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD12	8	0.45
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD13	8	0.45
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD11	8	0.45
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD12	8	0.45
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD13	8	0.45
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD11	8	0.45
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD12	8	0.45
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD13	8	0.45
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG21	16	0.45
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG22	16	0.45
(1,626)	1:A:83:MET:HE1	1:A:84:THR:HG23	16	0.45
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG21	16	0.45
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG22	16	0.45
(1,626)	1:A:83:MET:HE1	1:B:84:THR:HG23	16	0.45
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG21	16	0.45
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG22	16	0.45
(1,626)	1:A:83:MET:HE2	1:A:84:THR:HG23	16	0.45
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG21	16	0.45
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG22	16	0.45
(1,626)	1:A:83:MET:HE2	1:B:84:THR:HG23	16	0.45
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG21	16	0.45
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG22	16	0.45
(1,626)	1:A:83:MET:HE3	1:A:84:THR:HG23	16	0.45
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG21	16	0.45
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG22	16	0.45
(1,626)	1:A:83:MET:HE3	1:B:84:THR:HG23	16	0.45
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG21	16	0.45
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG22	16	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,626)	1:B:83:MET:HE1	1:A:84:THR:HG23	16	0.45
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG21	16	0.45
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG22	16	0.45
(1,626)	1:B:83:MET:HE1	1:B:84:THR:HG23	16	0.45
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG21	16	0.45
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG22	16	0.45
(1,626)	1:B:83:MET:HE2	1:A:84:THR:HG23	16	0.45
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG21	16	0.45
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG22	16	0.45
(1,626)	1:B:83:MET:HE2	1:B:84:THR:HG23	16	0.45
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG21	16	0.45
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG22	16	0.45
(1,626)	1:B:83:MET:HE3	1:A:84:THR:HG23	16	0.45
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG21	16	0.45
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG22	16	0.45
(1,626)	1:B:83:MET:HE3	1:B:84:THR:HG23	16	0.45
(1,609)	1:A:92:GLN:HB2	1:A:93:ARG:HB2	19	0.45
(1,609)	1:A:92:GLN:HB2	1:B:93:ARG:HB2	19	0.45
(1,609)	1:A:92:GLN:HB3	1:A:93:ARG:HB2	19	0.45
(1,609)	1:A:92:GLN:HB3	1:B:93:ARG:HB2	19	0.45
(1,609)	1:B:92:GLN:HB2	1:A:93:ARG:HB2	19	0.45
(1,609)	1:B:92:GLN:HB2	1:B:93:ARG:HB2	19	0.45
(1,609)	1:B:92:GLN:HB3	1:A:93:ARG:HB2	19	0.45
(1,609)	1:B:92:GLN:HB3	1:B:93:ARG:HB2	19	0.45
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD1	4	0.45
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD2	4	0.45
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD1	4	0.45
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD2	4	0.45
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD1	4	0.45
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD2	4	0.45
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD1	4	0.45
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD2	4	0.45
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD1	4	0.45
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD2	4	0.45
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD1	4	0.45
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD2	4	0.45
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD1	4	0.45
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD2	4	0.45
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD1	4	0.45
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD2	4	0.45
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB2	15	0.45
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB3	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB2	15	0.45
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB3	15	0.45
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB2	15	0.45
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB3	15	0.45
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB2	15	0.45
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB3	15	0.45
(1,50)	1:A:68:ASP:HA	1:A:71:ARG:H	14	0.45
(1,50)	1:A:68:ASP:HA	1:B:71:ARG:H	14	0.45
(1,50)	1:B:68:ASP:HA	1:A:71:ARG:H	14	0.45
(1,50)	1:B:68:ASP:HA	1:B:71:ARG:H	14	0.45
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD21	11	0.45
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD22	11	0.45
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD23	11	0.45
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD21	11	0.45
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD22	11	0.45
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD23	11	0.45
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD21	11	0.45
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD22	11	0.45
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD23	11	0.45
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD21	11	0.45
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD22	11	0.45
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD23	11	0.45
(1,483)	1:A:76:GLU:HA	1:A:80:ILE:HB	19	0.45
(1,483)	1:A:76:GLU:HA	1:B:80:ILE:HB	19	0.45
(1,483)	1:B:76:GLU:HA	1:A:80:ILE:HB	19	0.45
(1,483)	1:B:76:GLU:HA	1:B:80:ILE:HB	19	0.45
(1,420)	1:A:87:HIS:HD2	1:A:91:LEU:HA	9	0.45
(1,420)	1:A:87:HIS:HD2	1:B:91:LEU:HA	9	0.45
(1,420)	1:B:87:HIS:HD2	1:A:91:LEU:HA	9	0.45
(1,420)	1:B:87:HIS:HD2	1:B:91:LEU:HA	9	0.45
(1,96)	1:A:90:ASN:HB2	1:A:92:GLN:H	4	0.44
(1,96)	1:A:90:ASN:HB2	1:B:92:GLN:H	4	0.44
(1,96)	1:A:90:ASN:HB3	1:A:92:GLN:H	4	0.44
(1,96)	1:A:90:ASN:HB3	1:B:92:GLN:H	4	0.44
(1,96)	1:B:90:ASN:HB2	1:A:92:GLN:H	4	0.44
(1,96)	1:B:90:ASN:HB2	1:B:92:GLN:H	4	0.44
(1,96)	1:B:90:ASN:HB3	1:A:92:GLN:H	4	0.44
(1,96)	1:B:90:ASN:HB3	1:B:92:GLN:H	4	0.44
(1,754)	1:A:86:LYS:HD3	1:A:87:HIS:H	9	0.44
(1,754)	1:A:86:LYS:HD3	1:B:87:HIS:H	9	0.44
(1,754)	1:B:86:LYS:HD3	1:A:87:HIS:H	9	0.44
(1,754)	1:B:86:LYS:HD3	1:B:87:HIS:H	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,50)	1:A:68:ASP:HA	1:A:71:ARG:H	7	0.44
(1,50)	1:A:68:ASP:HA	1:B:71:ARG:H	7	0.44
(1,50)	1:B:68:ASP:HA	1:A:71:ARG:H	7	0.44
(1,50)	1:B:68:ASP:HA	1:B:71:ARG:H	7	0.44
(1,420)	1:A:87:HIS:HD2	1:A:91:LEU:HA	8	0.44
(1,420)	1:A:87:HIS:HD2	1:B:91:LEU:HA	8	0.44
(1,420)	1:B:87:HIS:HD2	1:A:91:LEU:HA	8	0.44
(1,420)	1:B:87:HIS:HD2	1:B:91:LEU:HA	8	0.44
(1,275)	1:A:86:LYS:HG2	1:A:88:LEU:H	18	0.44
(1,275)	1:A:86:LYS:HG2	1:B:88:LEU:H	18	0.44
(1,275)	1:B:86:LYS:HG2	1:A:88:LEU:H	18	0.44
(1,275)	1:B:86:LYS:HG2	1:B:88:LEU:H	18	0.44
(1,274)	1:A:86:LYS:HG2	1:A:89:ARG:H	8	0.44
(1,274)	1:A:86:LYS:HG2	1:B:89:ARG:H	8	0.44
(1,274)	1:B:86:LYS:HG2	1:A:89:ARG:H	8	0.44
(1,274)	1:B:86:LYS:HG2	1:B:89:ARG:H	8	0.44
(1,274)	1:A:86:LYS:HG2	1:A:89:ARG:H	12	0.44
(1,274)	1:A:86:LYS:HG2	1:B:89:ARG:H	12	0.44
(1,274)	1:B:86:LYS:HG2	1:A:89:ARG:H	12	0.44
(1,274)	1:B:86:LYS:HG2	1:B:89:ARG:H	12	0.44
(1,274)	1:A:86:LYS:HG2	1:A:89:ARG:H	13	0.44
(1,274)	1:A:86:LYS:HG2	1:B:89:ARG:H	13	0.44
(1,274)	1:B:86:LYS:HG2	1:A:89:ARG:H	13	0.44
(1,274)	1:B:86:LYS:HG2	1:B:89:ARG:H	13	0.44
(1,274)	1:A:86:LYS:HG2	1:A:89:ARG:H	15	0.44
(1,274)	1:A:86:LYS:HG2	1:B:89:ARG:H	15	0.44
(1,274)	1:B:86:LYS:HG2	1:A:89:ARG:H	15	0.44
(1,274)	1:B:86:LYS:HG2	1:B:89:ARG:H	15	0.44
(1,96)	1:A:90:ASN:HB2	1:A:92:GLN:H	1	0.43
(1,96)	1:A:90:ASN:HB2	1:B:92:GLN:H	1	0.43
(1,96)	1:A:90:ASN:HB3	1:A:92:GLN:H	1	0.43
(1,96)	1:A:90:ASN:HB3	1:B:92:GLN:H	1	0.43
(1,96)	1:B:90:ASN:HB2	1:A:92:GLN:H	1	0.43
(1,96)	1:B:90:ASN:HB2	1:B:92:GLN:H	1	0.43
(1,96)	1:B:90:ASN:HB3	1:A:92:GLN:H	1	0.43
(1,96)	1:B:90:ASN:HB3	1:B:92:GLN:H	1	0.43
(1,96)	1:A:90:ASN:HB2	1:A:92:GLN:H	3	0.43
(1,96)	1:A:90:ASN:HB2	1:B:92:GLN:H	3	0.43
(1,96)	1:A:90:ASN:HB3	1:A:92:GLN:H	3	0.43
(1,96)	1:A:90:ASN:HB3	1:B:92:GLN:H	3	0.43
(1,96)	1:B:90:ASN:HB2	1:A:92:GLN:H	3	0.43
(1,96)	1:B:90:ASN:HB2	1:B:92:GLN:H	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:B:90:ASN:HB3	1:A:92:GLN:H	3	0.43
(1,96)	1:B:90:ASN:HB3	1:B:92:GLN:H	3	0.43
(1,934)	1:A:74:LYS:H	1:A:70:SER:O	10	0.43
(1,934)	1:A:74:LYS:H	1:B:70:SER:O	10	0.43
(1,934)	1:B:74:LYS:H	1:A:70:SER:O	10	0.43
(1,934)	1:B:74:LYS:H	1:B:70:SER:O	10	0.43
(1,932)	1:A:73:SER:H	1:A:69:SER:O	9	0.43
(1,932)	1:A:73:SER:H	1:B:69:SER:O	9	0.43
(1,932)	1:B:73:SER:H	1:A:69:SER:O	9	0.43
(1,932)	1:B:73:SER:H	1:B:69:SER:O	9	0.43
(1,932)	1:A:73:SER:H	1:A:69:SER:O	12	0.43
(1,932)	1:A:73:SER:H	1:B:69:SER:O	12	0.43
(1,932)	1:B:73:SER:H	1:A:69:SER:O	12	0.43
(1,932)	1:B:73:SER:H	1:B:69:SER:O	12	0.43
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB2	7	0.43
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB3	7	0.43
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB2	7	0.43
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB3	7	0.43
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB2	7	0.43
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB3	7	0.43
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB2	7	0.43
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB3	7	0.43
(1,746)	1:A:87:HIS:HD1	1:A:92:GLN:H	10	0.43
(1,746)	1:A:87:HIS:HD1	1:B:92:GLN:H	10	0.43
(1,746)	1:B:87:HIS:HD1	1:A:92:GLN:H	10	0.43
(1,746)	1:B:87:HIS:HD1	1:B:92:GLN:H	10	0.43
(1,709)	1:A:86:LYS:HA	1:A:86:LYS:HD3	16	0.43
(1,709)	1:A:86:LYS:HA	1:B:86:LYS:HD3	16	0.43
(1,709)	1:B:86:LYS:HA	1:A:86:LYS:HD3	16	0.43
(1,709)	1:B:86:LYS:HA	1:B:86:LYS:HD3	16	0.43
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB2	6	0.43
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB3	6	0.43
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB2	6	0.43
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB3	6	0.43
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB2	6	0.43
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB3	6	0.43
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB2	6	0.43
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB3	6	0.43
(1,609)	1:A:92:GLN:HB2	1:A:93:ARG:HB2	3	0.43
(1,609)	1:A:92:GLN:HB2	1:B:93:ARG:HB2	3	0.43
(1,609)	1:A:92:GLN:HB3	1:A:93:ARG:HB2	3	0.43
(1,609)	1:A:92:GLN:HB3	1:B:93:ARG:HB2	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:B:92:GLN:HB2	1:A:93:ARG:HB2	3	0.43
(1,609)	1:B:92:GLN:HB2	1:B:93:ARG:HB2	3	0.43
(1,609)	1:B:92:GLN:HB3	1:A:93:ARG:HB2	3	0.43
(1,609)	1:B:92:GLN:HB3	1:B:93:ARG:HB2	3	0.43
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB2	8	0.43
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB3	8	0.43
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB2	8	0.43
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB3	8	0.43
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB2	8	0.43
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB3	8	0.43
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB2	8	0.43
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB3	8	0.43
(1,96)	1:A:90:ASN:HB2	1:A:92:GLN:H	6	0.42
(1,96)	1:A:90:ASN:HB2	1:B:92:GLN:H	6	0.42
(1,96)	1:A:90:ASN:HB3	1:A:92:GLN:H	6	0.42
(1,96)	1:A:90:ASN:HB3	1:B:92:GLN:H	6	0.42
(1,96)	1:B:90:ASN:HB2	1:A:92:GLN:H	6	0.42
(1,96)	1:B:90:ASN:HB2	1:B:92:GLN:H	6	0.42
(1,96)	1:B:90:ASN:HB3	1:A:92:GLN:H	6	0.42
(1,96)	1:B:90:ASN:HB3	1:B:92:GLN:H	6	0.42
(1,96)	1:A:90:ASN:HB2	1:A:92:GLN:H	7	0.42
(1,96)	1:A:90:ASN:HB2	1:B:92:GLN:H	7	0.42
(1,96)	1:A:90:ASN:HB3	1:A:92:GLN:H	7	0.42
(1,96)	1:A:90:ASN:HB3	1:B:92:GLN:H	7	0.42
(1,96)	1:B:90:ASN:HB2	1:A:92:GLN:H	7	0.42
(1,96)	1:B:90:ASN:HB2	1:B:92:GLN:H	7	0.42
(1,96)	1:B:90:ASN:HB3	1:A:92:GLN:H	7	0.42
(1,96)	1:B:90:ASN:HB3	1:B:92:GLN:H	7	0.42
(1,816)	1:A:60:LEU:HD11	1:A:86:LYS:H	3	0.42
(1,816)	1:A:60:LEU:HD11	1:B:86:LYS:H	3	0.42
(1,816)	1:B:60:LEU:HD11	1:A:86:LYS:H	3	0.42
(1,816)	1:B:60:LEU:HD11	1:B:86:LYS:H	3	0.42
(1,816)	1:B:60:LEU:HD12	1:A:86:LYS:H	3	0.42
(1,816)	1:B:60:LEU:HD12	1:B:86:LYS:H	3	0.42
(1,816)	1:B:60:LEU:HD13	1:A:86:LYS:H	3	0.42
(1,816)	1:B:60:LEU:HD13	1:B:86:LYS:H	3	0.42
(1,816)	1:B:60:LEU:HD21	1:A:86:LYS:H	3	0.42
(1,816)	1:B:60:LEU:HD21	1:B:86:LYS:H	3	0.42
(1,816)	1:B:60:LEU:HD22	1:A:86:LYS:H	3	0.42
(1,816)	1:B:60:LEU:HD22	1:B:86:LYS:H	3	0.42
(1,816)	1:B:60:LEU:HD23	1:A:86:LYS:H	3	0.42
(1,816)	1:B:60:LEU:HD23	1:B:86:LYS:H	3	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,738)	1:A:76:GLU:HA	1:A:79:ASP:HB2	15	0.42
(1,738)	1:A:76:GLU:HA	1:B:79:ASP:HB2	15	0.42
(1,738)	1:B:76:GLU:HA	1:A:79:ASP:HB2	15	0.42
(1,738)	1:B:76:GLU:HA	1:B:79:ASP:HB2	15	0.42
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD1	15	0.42
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD2	15	0.42
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD1	15	0.42
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD2	15	0.42
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD1	15	0.42
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD2	15	0.42
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD1	15	0.42
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD2	15	0.42
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD1	15	0.42
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD2	15	0.42
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD1	15	0.42
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD2	15	0.42
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD1	15	0.42
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD2	15	0.42
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD1	15	0.42
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD2	15	0.42
(1,552)	1:A:93:ARG:HB3	1:A:94:ALA:HA	11	0.42
(1,552)	1:A:93:ARG:HB3	1:B:94:ALA:HA	11	0.42
(1,552)	1:B:93:ARG:HB3	1:A:94:ALA:HA	11	0.42
(1,552)	1:B:93:ARG:HB3	1:B:94:ALA:HA	11	0.42
(1,50)	1:A:68:ASP:HA	1:A:71:ARG:H	3	0.42
(1,50)	1:A:68:ASP:HA	1:B:71:ARG:H	3	0.42
(1,50)	1:B:68:ASP:HA	1:A:71:ARG:H	3	0.42
(1,50)	1:B:68:ASP:HA	1:B:71:ARG:H	3	0.42
(1,50)	1:A:68:ASP:HA	1:A:71:ARG:H	20	0.42
(1,50)	1:A:68:ASP:HA	1:B:71:ARG:H	20	0.42
(1,50)	1:B:68:ASP:HA	1:A:71:ARG:H	20	0.42
(1,50)	1:B:68:ASP:HA	1:B:71:ARG:H	20	0.42
(1,316)	1:A:90:ASN:H	1:A:91:LEU:HG	19	0.42
(1,316)	1:A:90:ASN:H	1:B:91:LEU:HG	19	0.42
(1,316)	1:B:90:ASN:H	1:A:91:LEU:HG	19	0.42
(1,316)	1:B:90:ASN:H	1:B:91:LEU:HG	19	0.42
(1,275)	1:A:86:LYS:HG2	1:A:88:LEU:H	2	0.42
(1,275)	1:A:86:LYS:HG2	1:B:88:LEU:H	2	0.42
(1,275)	1:B:86:LYS:HG2	1:A:88:LEU:H	2	0.42
(1,275)	1:B:86:LYS:HG2	1:B:88:LEU:H	2	0.42
(1,96)	1:A:90:ASN:HB2	1:A:92:GLN:H	9	0.41
(1,96)	1:A:90:ASN:HB2	1:B:92:GLN:H	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:A:90:ASN:HB3	1:A:92:GLN:H	9	0.41
(1,96)	1:A:90:ASN:HB3	1:B:92:GLN:H	9	0.41
(1,96)	1:B:90:ASN:HB2	1:A:92:GLN:H	9	0.41
(1,96)	1:B:90:ASN:HB2	1:B:92:GLN:H	9	0.41
(1,96)	1:B:90:ASN:HB3	1:A:92:GLN:H	9	0.41
(1,96)	1:B:90:ASN:HB3	1:B:92:GLN:H	9	0.41
(1,96)	1:A:90:ASN:HB2	1:A:92:GLN:H	11	0.41
(1,96)	1:A:90:ASN:HB2	1:B:92:GLN:H	11	0.41
(1,96)	1:A:90:ASN:HB3	1:A:92:GLN:H	11	0.41
(1,96)	1:A:90:ASN:HB3	1:B:92:GLN:H	11	0.41
(1,96)	1:B:90:ASN:HB2	1:A:92:GLN:H	11	0.41
(1,96)	1:B:90:ASN:HB2	1:B:92:GLN:H	11	0.41
(1,96)	1:B:90:ASN:HB3	1:A:92:GLN:H	11	0.41
(1,96)	1:B:90:ASN:HB3	1:B:92:GLN:H	11	0.41
(1,96)	1:A:90:ASN:HB2	1:A:92:GLN:H	15	0.41
(1,96)	1:A:90:ASN:HB2	1:B:92:GLN:H	15	0.41
(1,96)	1:A:90:ASN:HB3	1:A:92:GLN:H	15	0.41
(1,96)	1:A:90:ASN:HB3	1:B:92:GLN:H	15	0.41
(1,96)	1:B:90:ASN:HB2	1:A:92:GLN:H	15	0.41
(1,96)	1:B:90:ASN:HB2	1:B:92:GLN:H	15	0.41
(1,96)	1:B:90:ASN:HB3	1:A:92:GLN:H	15	0.41
(1,96)	1:B:90:ASN:HB3	1:B:92:GLN:H	15	0.41
(1,96)	1:A:90:ASN:HB2	1:A:92:GLN:H	18	0.41
(1,96)	1:A:90:ASN:HB2	1:B:92:GLN:H	18	0.41
(1,96)	1:A:90:ASN:HB3	1:A:92:GLN:H	18	0.41
(1,96)	1:A:90:ASN:HB3	1:B:92:GLN:H	18	0.41
(1,96)	1:B:90:ASN:HB2	1:A:92:GLN:H	18	0.41
(1,96)	1:B:90:ASN:HB2	1:B:92:GLN:H	18	0.41
(1,96)	1:B:90:ASN:HB3	1:A:92:GLN:H	18	0.41
(1,96)	1:B:90:ASN:HB3	1:B:92:GLN:H	18	0.41
(1,816)	1:A:60:LEU:HD11	1:A:86:LYS:H	13	0.41
(1,816)	1:A:60:LEU:HD11	1:B:86:LYS:H	13	0.41
(1,816)	1:B:60:LEU:HD11	1:A:86:LYS:H	13	0.41
(1,816)	1:B:60:LEU:HD11	1:B:86:LYS:H	13	0.41
(1,816)	1:B:60:LEU:HD12	1:A:86:LYS:H	13	0.41
(1,816)	1:B:60:LEU:HD12	1:B:86:LYS:H	13	0.41
(1,816)	1:B:60:LEU:HD13	1:A:86:LYS:H	13	0.41
(1,816)	1:B:60:LEU:HD13	1:B:86:LYS:H	13	0.41
(1,816)	1:B:60:LEU:HD21	1:A:86:LYS:H	13	0.41
(1,816)	1:B:60:LEU:HD21	1:B:86:LYS:H	13	0.41
(1,816)	1:B:60:LEU:HD22	1:A:86:LYS:H	13	0.41
(1,816)	1:B:60:LEU:HD22	1:B:86:LYS:H	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	1:B:60:LEU:HD23	1:A:86:LYS:H	13	0.41
(1,816)	1:B:60:LEU:HD23	1:B:86:LYS:H	13	0.41
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	7	0.41
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	7	0.41
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	7	0.41
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	7	0.41
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	7	0.41
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	7	0.41
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	7	0.41
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	7	0.41
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	7	0.41
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	7	0.41
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	7	0.41
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	7	0.41
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD21	7	0.41
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD22	7	0.41
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD23	7	0.41
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD21	7	0.41
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD22	7	0.41
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD23	7	0.41
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	7	0.41
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	7	0.41
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	7	0.41
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	7	0.41
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	7	0.41
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	7	0.41
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	7	0.41
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	7	0.41
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	7	0.41
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	7	0.41
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	7	0.41
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	7	0.41
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD21	7	0.41
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD22	7	0.41
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD23	7	0.41
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD21	7	0.41
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD22	7	0.41
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD23	7	0.41
(1,609)	1:A:92:GLN:HB2	1:A:93:ARG:HB2	11	0.41
(1,609)	1:A:92:GLN:HB2	1:B:93:ARG:HB2	11	0.41
(1,609)	1:A:92:GLN:HB3	1:A:93:ARG:HB2	11	0.41
(1,609)	1:A:92:GLN:HB3	1:B:93:ARG:HB2	11	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:B:92:GLN:HB2	1:A:93:ARG:HB2	11	0.41
(1,609)	1:B:92:GLN:HB2	1:B:93:ARG:HB2	11	0.41
(1,609)	1:B:92:GLN:HB3	1:A:93:ARG:HB2	11	0.41
(1,609)	1:B:92:GLN:HB3	1:B:93:ARG:HB2	11	0.41
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD1	20	0.41
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD2	20	0.41
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD1	20	0.41
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD2	20	0.41
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD1	20	0.41
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD2	20	0.41
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD1	20	0.41
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD2	20	0.41
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD1	20	0.41
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD2	20	0.41
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD1	20	0.41
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD2	20	0.41
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD1	20	0.41
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD2	20	0.41
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD1	20	0.41
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD2	20	0.41
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB2	2	0.41
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB3	2	0.41
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB2	2	0.41
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB3	2	0.41
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB2	2	0.41
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB3	2	0.41
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB2	2	0.41
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB3	2	0.41
(1,50)	1:A:68:ASP:HA	1:A:71:ARG:H	2	0.41
(1,50)	1:A:68:ASP:HA	1:B:71:ARG:H	2	0.41
(1,50)	1:B:68:ASP:HA	1:A:71:ARG:H	2	0.41
(1,50)	1:B:68:ASP:HA	1:B:71:ARG:H	2	0.41
(1,275)	1:A:86:LYS:HG2	1:A:88:LEU:H	17	0.41
(1,275)	1:A:86:LYS:HG2	1:B:88:LEU:H	17	0.41
(1,275)	1:B:86:LYS:HG2	1:A:88:LEU:H	17	0.41
(1,275)	1:B:86:LYS:HG2	1:B:88:LEU:H	17	0.41
(1,831)	1:A:87:HIS:HD1	1:A:91:LEU:H	12	0.4
(1,831)	1:A:87:HIS:HD1	1:B:91:LEU:H	12	0.4
(1,831)	1:A:87:HIS:HD2	1:A:91:LEU:H	12	0.4
(1,831)	1:A:87:HIS:HD2	1:B:91:LEU:H	12	0.4
(1,831)	1:B:87:HIS:HD1	1:A:91:LEU:H	12	0.4
(1,831)	1:B:87:HIS:HD1	1:B:91:LEU:H	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,831)	1:B:87:HIS:HD2	1:A:91:LEU:H	12	0.4
(1,831)	1:B:87:HIS:HD2	1:B:91:LEU:H	12	0.4
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB2	16	0.4
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB3	16	0.4
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB2	16	0.4
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB3	16	0.4
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB2	16	0.4
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB3	16	0.4
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB2	16	0.4
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB3	16	0.4
(1,746)	1:A:87:HIS:HD1	1:A:92:GLN:H	19	0.4
(1,746)	1:A:87:HIS:HD1	1:B:92:GLN:H	19	0.4
(1,746)	1:B:87:HIS:HD1	1:A:92:GLN:H	19	0.4
(1,746)	1:B:87:HIS:HD1	1:B:92:GLN:H	19	0.4
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB2	12	0.4
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB3	12	0.4
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB2	12	0.4
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB3	12	0.4
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB2	12	0.4
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB3	12	0.4
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB2	12	0.4
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB3	12	0.4
(1,609)	1:A:92:GLN:HB2	1:A:93:ARG:HB2	8	0.4
(1,609)	1:A:92:GLN:HB2	1:B:93:ARG:HB2	8	0.4
(1,609)	1:A:92:GLN:HB3	1:A:93:ARG:HB2	8	0.4
(1,609)	1:A:92:GLN:HB3	1:B:93:ARG:HB2	8	0.4
(1,609)	1:B:92:GLN:HB2	1:A:93:ARG:HB2	8	0.4
(1,609)	1:B:92:GLN:HB2	1:B:93:ARG:HB2	8	0.4
(1,609)	1:B:92:GLN:HB3	1:A:93:ARG:HB2	8	0.4
(1,609)	1:B:92:GLN:HB3	1:B:93:ARG:HB2	8	0.4
(1,609)	1:A:92:GLN:HB2	1:A:93:ARG:HB2	15	0.4
(1,609)	1:A:92:GLN:HB2	1:B:93:ARG:HB2	15	0.4
(1,609)	1:A:92:GLN:HB3	1:A:93:ARG:HB2	15	0.4
(1,609)	1:A:92:GLN:HB3	1:B:93:ARG:HB2	15	0.4
(1,609)	1:B:92:GLN:HB2	1:A:93:ARG:HB2	15	0.4
(1,609)	1:B:92:GLN:HB2	1:B:93:ARG:HB2	15	0.4
(1,609)	1:B:92:GLN:HB3	1:A:93:ARG:HB2	15	0.4
(1,609)	1:B:92:GLN:HB3	1:B:93:ARG:HB2	15	0.4
(1,275)	1:A:86:LYS:HG2	1:A:88:LEU:H	13	0.4
(1,275)	1:A:86:LYS:HG2	1:B:88:LEU:H	13	0.4
(1,275)	1:B:86:LYS:HG2	1:A:88:LEU:H	13	0.4
(1,275)	1:B:86:LYS:HG2	1:B:88:LEU:H	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,274)	1:A:86:LYS:HG2	1:A:89:ARG:H	19	0.4
(1,274)	1:A:86:LYS:HG2	1:B:89:ARG:H	19	0.4
(1,274)	1:B:86:LYS:HG2	1:A:89:ARG:H	19	0.4
(1,274)	1:B:86:LYS:HG2	1:B:89:ARG:H	19	0.4
(1,189)	1:A:75:LEU:HA	1:A:79:ASP:H	9	0.4
(1,189)	1:A:75:LEU:HA	1:B:79:ASP:H	9	0.4
(1,189)	1:B:75:LEU:HA	1:A:79:ASP:H	9	0.4
(1,189)	1:B:75:LEU:HA	1:B:79:ASP:H	9	0.4
(1,96)	1:A:90:ASN:HB2	1:A:92:GLN:H	14	0.39
(1,96)	1:A:90:ASN:HB2	1:B:92:GLN:H	14	0.39
(1,96)	1:A:90:ASN:HB3	1:A:92:GLN:H	14	0.39
(1,96)	1:A:90:ASN:HB3	1:B:92:GLN:H	14	0.39
(1,96)	1:B:90:ASN:HB2	1:A:92:GLN:H	14	0.39
(1,96)	1:B:90:ASN:HB2	1:B:92:GLN:H	14	0.39
(1,96)	1:B:90:ASN:HB3	1:A:92:GLN:H	14	0.39
(1,96)	1:B:90:ASN:HB3	1:B:92:GLN:H	14	0.39
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	18	0.39
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	18	0.39
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	18	0.39
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	18	0.39
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	18	0.39
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	18	0.39
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	18	0.39
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	18	0.39
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	18	0.39
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	18	0.39
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	18	0.39
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	18	0.39
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD21	18	0.39
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD22	18	0.39
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD23	18	0.39
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD21	18	0.39
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD22	18	0.39
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD23	18	0.39
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	18	0.39
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	18	0.39
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	18	0.39
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	18	0.39
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	18	0.39
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	18	0.39
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	18	0.39
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	18	0.39
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	18	0.39
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	18	0.39
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	18	0.39
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD21	18	0.39
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD22	18	0.39
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD23	18	0.39
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD21	18	0.39
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD22	18	0.39
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD23	18	0.39
(1,609)	1:A:92:GLN:HB2	1:A:93:ARG:HB2	6	0.39
(1,609)	1:A:92:GLN:HB2	1:B:93:ARG:HB2	6	0.39
(1,609)	1:A:92:GLN:HB3	1:A:93:ARG:HB2	6	0.39
(1,609)	1:A:92:GLN:HB3	1:B:93:ARG:HB2	6	0.39
(1,609)	1:B:92:GLN:HB2	1:A:93:ARG:HB2	6	0.39
(1,609)	1:B:92:GLN:HB2	1:B:93:ARG:HB2	6	0.39
(1,609)	1:B:92:GLN:HB3	1:A:93:ARG:HB2	6	0.39
(1,609)	1:B:92:GLN:HB3	1:B:93:ARG:HB2	6	0.39
(1,609)	1:A:92:GLN:HB2	1:A:93:ARG:HB2	14	0.39
(1,609)	1:A:92:GLN:HB2	1:B:93:ARG:HB2	14	0.39
(1,609)	1:A:92:GLN:HB3	1:A:93:ARG:HB2	14	0.39
(1,609)	1:A:92:GLN:HB3	1:B:93:ARG:HB2	14	0.39
(1,609)	1:B:92:GLN:HB2	1:A:93:ARG:HB2	14	0.39
(1,609)	1:B:92:GLN:HB2	1:B:93:ARG:HB2	14	0.39
(1,609)	1:B:92:GLN:HB3	1:A:93:ARG:HB2	14	0.39
(1,609)	1:B:92:GLN:HB3	1:B:93:ARG:HB2	14	0.39
(1,487)	1:A:88:LEU:HA	1:A:91:LEU:HA	17	0.39
(1,487)	1:A:88:LEU:HA	1:B:91:LEU:HA	17	0.39
(1,487)	1:B:88:LEU:HA	1:A:91:LEU:HA	17	0.39
(1,487)	1:B:88:LEU:HA	1:B:91:LEU:HA	17	0.39
(1,484)	1:A:91:LEU:HA	1:A:93:ARG:HA	17	0.39
(1,484)	1:A:91:LEU:HA	1:B:93:ARG:HA	17	0.39
(1,484)	1:B:91:LEU:HA	1:A:93:ARG:HA	17	0.39
(1,484)	1:B:91:LEU:HA	1:B:93:ARG:HA	17	0.39
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD2	8	0.39
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD3	8	0.39
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD2	8	0.39
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD3	8	0.39
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD2	8	0.39
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD3	8	0.39
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD2	8	0.39
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD3	8	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,316)	1:A:90:ASN:H	1:A:91:LEU:HG	3	0.39
(1,316)	1:A:90:ASN:H	1:B:91:LEU:HG	3	0.39
(1,316)	1:B:90:ASN:H	1:A:91:LEU:HG	3	0.39
(1,316)	1:B:90:ASN:H	1:B:91:LEU:HG	3	0.39
(1,274)	1:A:86:LYS:HG2	1:A:89:ARG:H	18	0.39
(1,274)	1:A:86:LYS:HG2	1:B:89:ARG:H	18	0.39
(1,274)	1:B:86:LYS:HG2	1:A:89:ARG:H	18	0.39
(1,274)	1:B:86:LYS:HG2	1:B:89:ARG:H	18	0.39
(1,96)	1:A:90:ASN:HB2	1:A:92:GLN:H	8	0.38
(1,96)	1:A:90:ASN:HB2	1:B:92:GLN:H	8	0.38
(1,96)	1:A:90:ASN:HB3	1:A:92:GLN:H	8	0.38
(1,96)	1:A:90:ASN:HB3	1:B:92:GLN:H	8	0.38
(1,96)	1:B:90:ASN:HB2	1:A:92:GLN:H	8	0.38
(1,96)	1:B:90:ASN:HB2	1:B:92:GLN:H	8	0.38
(1,96)	1:B:90:ASN:HB3	1:A:92:GLN:H	8	0.38
(1,96)	1:B:90:ASN:HB3	1:B:92:GLN:H	8	0.38
(1,936)	1:A:75:LEU:H	1:A:71:ARG:O	9	0.38
(1,936)	1:A:75:LEU:H	1:B:71:ARG:O	9	0.38
(1,936)	1:B:75:LEU:H	1:A:71:ARG:O	9	0.38
(1,936)	1:B:75:LEU:H	1:B:71:ARG:O	9	0.38
(1,816)	1:A:60:LEU:HD11	1:A:86:LYS:H	9	0.38
(1,816)	1:A:60:LEU:HD11	1:B:86:LYS:H	9	0.38
(1,816)	1:B:60:LEU:HD11	1:A:86:LYS:H	9	0.38
(1,816)	1:B:60:LEU:HD11	1:B:86:LYS:H	9	0.38
(1,816)	1:B:60:LEU:HD12	1:A:86:LYS:H	9	0.38
(1,816)	1:B:60:LEU:HD12	1:B:86:LYS:H	9	0.38
(1,816)	1:B:60:LEU:HD13	1:A:86:LYS:H	9	0.38
(1,816)	1:B:60:LEU:HD13	1:B:86:LYS:H	9	0.38
(1,816)	1:B:60:LEU:HD21	1:A:86:LYS:H	9	0.38
(1,816)	1:B:60:LEU:HD21	1:B:86:LYS:H	9	0.38
(1,816)	1:B:60:LEU:HD22	1:A:86:LYS:H	9	0.38
(1,816)	1:B:60:LEU:HD22	1:B:86:LYS:H	9	0.38
(1,816)	1:B:60:LEU:HD23	1:A:86:LYS:H	9	0.38
(1,816)	1:B:60:LEU:HD23	1:B:86:LYS:H	9	0.38
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	1	0.38
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	1	0.38
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	1	0.38
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	1	0.38
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	1	0.38
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	1	0.38
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	1	0.38
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	1	0.38
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	1	0.38
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	1	0.38
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	1	0.38
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD21	1	0.38
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD22	1	0.38
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD23	1	0.38
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD21	1	0.38
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD22	1	0.38
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD23	1	0.38
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	1	0.38
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	1	0.38
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	1	0.38
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	1	0.38
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	1	0.38
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	1	0.38
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	1	0.38
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	1	0.38
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	1	0.38
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	1	0.38
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	1	0.38
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	1	0.38
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD21	1	0.38
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD22	1	0.38
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD23	1	0.38
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD21	1	0.38
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD22	1	0.38
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD23	1	0.38
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB2	5	0.38
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB3	5	0.38
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB2	5	0.38
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB3	5	0.38
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB2	5	0.38
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB3	5	0.38
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB2	5	0.38
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB3	5	0.38
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB2	16	0.38
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB3	16	0.38
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB2	16	0.38
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB3	16	0.38
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB2	16	0.38
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB3	16	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB2	16	0.38
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB3	16	0.38
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB2	3	0.38
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB3	3	0.38
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB2	3	0.38
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB3	3	0.38
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB2	3	0.38
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB3	3	0.38
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB2	3	0.38
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB3	3	0.38
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB2	18	0.38
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB3	18	0.38
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB2	18	0.38
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB3	18	0.38
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB2	18	0.38
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB3	18	0.38
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB2	18	0.38
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB3	18	0.38
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD1	11	0.38
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD2	11	0.38
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD1	11	0.38
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD2	11	0.38
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD1	11	0.38
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD2	11	0.38
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD1	11	0.38
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD2	11	0.38
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD1	11	0.38
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD2	11	0.38
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD1	11	0.38
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD2	11	0.38
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD1	11	0.38
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD2	11	0.38
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD1	11	0.38
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD2	11	0.38
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	11	0.38
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	11	0.38
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	11	0.38
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	11	0.38
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	11	0.38
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	11	0.38
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	11	0.38
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	11	0.38
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	11	0.38
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	11	0.38
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	11	0.38
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	14	0.38
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	14	0.38
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	14	0.38
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	14	0.38
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	14	0.38
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	14	0.38
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	14	0.38
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	14	0.38
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	14	0.38
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	14	0.38
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	14	0.38
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	14	0.38
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	3	0.38
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	3	0.38
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	3	0.38
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	3	0.38
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	3	0.38
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	3	0.38
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	3	0.38
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	3	0.38
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	3	0.38
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	3	0.38
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	3	0.38
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	3	0.38
(1,96)	1:A:90:ASN:HB2	1:A:92:GLN:H	5	0.37
(1,96)	1:A:90:ASN:HB2	1:B:92:GLN:H	5	0.37
(1,96)	1:A:90:ASN:HB3	1:A:92:GLN:H	5	0.37
(1,96)	1:A:90:ASN:HB3	1:B:92:GLN:H	5	0.37
(1,96)	1:B:90:ASN:HB2	1:A:92:GLN:H	5	0.37
(1,96)	1:B:90:ASN:HB2	1:B:92:GLN:H	5	0.37
(1,96)	1:B:90:ASN:HB3	1:A:92:GLN:H	5	0.37
(1,96)	1:B:90:ASN:HB3	1:B:92:GLN:H	5	0.37
(1,96)	1:A:90:ASN:HB2	1:A:92:GLN:H	13	0.37
(1,96)	1:A:90:ASN:HB2	1:B:92:GLN:H	13	0.37
(1,96)	1:A:90:ASN:HB3	1:A:92:GLN:H	13	0.37
(1,96)	1:A:90:ASN:HB3	1:B:92:GLN:H	13	0.37
(1,96)	1:B:90:ASN:HB2	1:A:92:GLN:H	13	0.37
(1,96)	1:B:90:ASN:HB2	1:B:92:GLN:H	13	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:B:90:ASN:HB3	1:A:92:GLN:H	13	0.37
(1,96)	1:B:90:ASN:HB3	1:B:92:GLN:H	13	0.37
(1,96)	1:A:90:ASN:HB2	1:A:92:GLN:H	19	0.37
(1,96)	1:A:90:ASN:HB2	1:B:92:GLN:H	19	0.37
(1,96)	1:A:90:ASN:HB3	1:A:92:GLN:H	19	0.37
(1,96)	1:A:90:ASN:HB3	1:B:92:GLN:H	19	0.37
(1,96)	1:B:90:ASN:HB2	1:A:92:GLN:H	19	0.37
(1,96)	1:B:90:ASN:HB2	1:B:92:GLN:H	19	0.37
(1,96)	1:B:90:ASN:HB3	1:A:92:GLN:H	19	0.37
(1,96)	1:B:90:ASN:HB3	1:B:92:GLN:H	19	0.37
(1,937)	1:A:75:LEU:N	1:A:71:ARG:O	20	0.37
(1,937)	1:A:75:LEU:N	1:B:71:ARG:O	20	0.37
(1,937)	1:B:75:LEU:N	1:A:71:ARG:O	20	0.37
(1,937)	1:B:75:LEU:N	1:B:71:ARG:O	20	0.37
(1,935)	1:A:74:LYS:N	1:A:70:SER:O	12	0.37
(1,935)	1:A:74:LYS:N	1:B:70:SER:O	12	0.37
(1,935)	1:B:74:LYS:N	1:A:70:SER:O	12	0.37
(1,935)	1:B:74:LYS:N	1:B:70:SER:O	12	0.37
(1,754)	1:A:86:LYS:HD3	1:A:87:HIS:H	20	0.37
(1,754)	1:A:86:LYS:HD3	1:B:87:HIS:H	20	0.37
(1,754)	1:B:86:LYS:HD3	1:A:87:HIS:H	20	0.37
(1,754)	1:B:86:LYS:HD3	1:B:87:HIS:H	20	0.37
(1,744)	1:A:66:LYS:HD3	1:A:67:LYS:H	14	0.37
(1,744)	1:A:66:LYS:HD3	1:B:67:LYS:H	14	0.37
(1,744)	1:B:66:LYS:HD3	1:A:67:LYS:H	14	0.37
(1,744)	1:B:66:LYS:HD3	1:B:67:LYS:H	14	0.37
(1,700)	1:A:87:HIS:HD1	1:A:91:LEU:HA	4	0.37
(1,700)	1:A:87:HIS:HD1	1:B:91:LEU:HA	4	0.37
(1,700)	1:B:87:HIS:HD1	1:A:91:LEU:HA	4	0.37
(1,700)	1:B:87:HIS:HD1	1:B:91:LEU:HA	4	0.37
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB2	20	0.37
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB3	20	0.37
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB2	20	0.37
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB3	20	0.37
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB2	20	0.37
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB3	20	0.37
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB2	20	0.37
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB3	20	0.37
(1,609)	1:A:92:GLN:HB2	1:A:93:ARG:HB2	9	0.37
(1,609)	1:A:92:GLN:HB2	1:B:93:ARG:HB2	9	0.37
(1,609)	1:A:92:GLN:HB3	1:A:93:ARG:HB2	9	0.37
(1,609)	1:A:92:GLN:HB3	1:B:93:ARG:HB2	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:B:92:GLN:HB2	1:A:93:ARG:HB2	9	0.37
(1,609)	1:B:92:GLN:HB2	1:B:93:ARG:HB2	9	0.37
(1,609)	1:B:92:GLN:HB3	1:A:93:ARG:HB2	9	0.37
(1,609)	1:B:92:GLN:HB3	1:B:93:ARG:HB2	9	0.37
(1,609)	1:A:92:GLN:HB2	1:A:93:ARG:HB2	20	0.37
(1,609)	1:A:92:GLN:HB2	1:B:93:ARG:HB2	20	0.37
(1,609)	1:A:92:GLN:HB3	1:A:93:ARG:HB2	20	0.37
(1,609)	1:A:92:GLN:HB3	1:B:93:ARG:HB2	20	0.37
(1,609)	1:B:92:GLN:HB2	1:A:93:ARG:HB2	20	0.37
(1,609)	1:B:92:GLN:HB2	1:B:93:ARG:HB2	20	0.37
(1,609)	1:B:92:GLN:HB3	1:A:93:ARG:HB2	20	0.37
(1,609)	1:B:92:GLN:HB3	1:B:93:ARG:HB2	20	0.37
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD1	12	0.37
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD2	12	0.37
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD1	12	0.37
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD2	12	0.37
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD1	12	0.37
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD2	12	0.37
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD1	12	0.37
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD2	12	0.37
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD1	12	0.37
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD2	12	0.37
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD1	12	0.37
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD2	12	0.37
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD1	12	0.37
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD2	12	0.37
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD1	12	0.37
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD2	12	0.37
(1,50)	1:A:68:ASP:HA	1:A:71:ARG:H	1	0.37
(1,50)	1:A:68:ASP:HA	1:B:71:ARG:H	1	0.37
(1,50)	1:B:68:ASP:HA	1:A:71:ARG:H	1	0.37
(1,50)	1:B:68:ASP:HA	1:B:71:ARG:H	1	0.37
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD11	3	0.37
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD12	3	0.37
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD13	3	0.37
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD11	3	0.37
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD12	3	0.37
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD13	3	0.37
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD11	3	0.37
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD12	3	0.37
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD13	3	0.37
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD11	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD12	3	0.37
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD13	3	0.37
(1,35)	1:A:66:LYS:HG2	1:A:67:LYS:H	9	0.37
(1,35)	1:A:66:LYS:HG2	1:B:67:LYS:H	9	0.37
(1,35)	1:B:66:LYS:HG2	1:A:67:LYS:H	9	0.37
(1,35)	1:B:66:LYS:HG2	1:B:67:LYS:H	9	0.37
(1,275)	1:A:86:LYS:HG2	1:A:88:LEU:H	12	0.37
(1,275)	1:A:86:LYS:HG2	1:B:88:LEU:H	12	0.37
(1,275)	1:B:86:LYS:HG2	1:A:88:LEU:H	12	0.37
(1,275)	1:B:86:LYS:HG2	1:B:88:LEU:H	12	0.37
(1,275)	1:A:86:LYS:HG2	1:A:88:LEU:H	19	0.37
(1,275)	1:A:86:LYS:HG2	1:B:88:LEU:H	19	0.37
(1,275)	1:B:86:LYS:HG2	1:A:88:LEU:H	19	0.37
(1,275)	1:B:86:LYS:HG2	1:B:88:LEU:H	19	0.37
(1,274)	1:A:86:LYS:HG2	1:A:89:ARG:H	11	0.37
(1,274)	1:A:86:LYS:HG2	1:B:89:ARG:H	11	0.37
(1,274)	1:B:86:LYS:HG2	1:A:89:ARG:H	11	0.37
(1,274)	1:B:86:LYS:HG2	1:B:89:ARG:H	11	0.37
(1,96)	1:A:90:ASN:HB2	1:A:92:GLN:H	12	0.36
(1,96)	1:A:90:ASN:HB2	1:B:92:GLN:H	12	0.36
(1,96)	1:A:90:ASN:HB3	1:A:92:GLN:H	12	0.36
(1,96)	1:A:90:ASN:HB3	1:B:92:GLN:H	12	0.36
(1,96)	1:B:90:ASN:HB2	1:A:92:GLN:H	12	0.36
(1,96)	1:B:90:ASN:HB2	1:B:92:GLN:H	12	0.36
(1,96)	1:B:90:ASN:HB3	1:A:92:GLN:H	12	0.36
(1,96)	1:B:90:ASN:HB3	1:B:92:GLN:H	12	0.36
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB2	12	0.36
(1,857)	1:A:93:ARG:HB2	1:A:95:GLN:HB3	12	0.36
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB2	12	0.36
(1,857)	1:A:93:ARG:HB2	1:B:95:GLN:HB3	12	0.36
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB2	12	0.36
(1,857)	1:B:93:ARG:HB2	1:A:95:GLN:HB3	12	0.36
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB2	12	0.36
(1,857)	1:B:93:ARG:HB2	1:B:95:GLN:HB3	12	0.36
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD21	2	0.36
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD22	2	0.36
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD21	2	0.36
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD22	2	0.36
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD21	2	0.36
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD22	2	0.36
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD21	2	0.36
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD22	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:A:87:HIS:HD1	1:A:92:GLN:HE21	19	0.36
(1,836)	1:A:87:HIS:HD1	1:A:92:GLN:HE22	19	0.36
(1,836)	1:A:87:HIS:HD1	1:B:92:GLN:HE21	19	0.36
(1,836)	1:A:87:HIS:HD1	1:B:92:GLN:HE22	19	0.36
(1,836)	1:A:87:HIS:HD2	1:A:92:GLN:HE21	19	0.36
(1,836)	1:A:87:HIS:HD2	1:A:92:GLN:HE22	19	0.36
(1,836)	1:A:87:HIS:HD2	1:B:92:GLN:HE21	19	0.36
(1,836)	1:A:87:HIS:HD2	1:B:92:GLN:HE22	19	0.36
(1,836)	1:B:87:HIS:HD1	1:A:92:GLN:HE21	19	0.36
(1,836)	1:B:87:HIS:HD1	1:A:92:GLN:HE22	19	0.36
(1,836)	1:B:87:HIS:HD1	1:B:92:GLN:HE21	19	0.36
(1,836)	1:B:87:HIS:HD1	1:B:92:GLN:HE22	19	0.36
(1,836)	1:B:87:HIS:HD2	1:A:92:GLN:HE21	19	0.36
(1,836)	1:B:87:HIS:HD2	1:A:92:GLN:HE22	19	0.36
(1,836)	1:B:87:HIS:HD2	1:B:92:GLN:HE21	19	0.36
(1,836)	1:B:87:HIS:HD2	1:B:92:GLN:HE22	19	0.36
(1,831)	1:A:87:HIS:HD1	1:A:91:LEU:H	11	0.36
(1,831)	1:A:87:HIS:HD1	1:B:91:LEU:H	11	0.36
(1,831)	1:A:87:HIS:HD2	1:A:91:LEU:H	11	0.36
(1,831)	1:A:87:HIS:HD2	1:B:91:LEU:H	11	0.36
(1,831)	1:B:87:HIS:HD1	1:A:91:LEU:H	11	0.36
(1,831)	1:B:87:HIS:HD1	1:B:91:LEU:H	11	0.36
(1,831)	1:B:87:HIS:HD2	1:A:91:LEU:H	11	0.36
(1,831)	1:B:87:HIS:HD2	1:B:91:LEU:H	11	0.36
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB2	12	0.36
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB3	12	0.36
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB2	12	0.36
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB3	12	0.36
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB2	12	0.36
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB3	12	0.36
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB2	12	0.36
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB3	12	0.36
(1,805)	1:A:57:LEU:HD11	1:A:86:LYS:H	15	0.36
(1,805)	1:A:57:LEU:HD11	1:B:86:LYS:H	15	0.36
(1,805)	1:B:57:LEU:HD11	1:A:86:LYS:H	15	0.36
(1,805)	1:B:57:LEU:HD11	1:B:86:LYS:H	15	0.36
(1,805)	1:B:57:LEU:HD12	1:A:86:LYS:H	15	0.36
(1,805)	1:B:57:LEU:HD12	1:B:86:LYS:H	15	0.36
(1,805)	1:B:57:LEU:HD13	1:A:86:LYS:H	15	0.36
(1,805)	1:B:57:LEU:HD13	1:B:86:LYS:H	15	0.36
(1,805)	1:B:57:LEU:HD21	1:A:86:LYS:H	15	0.36
(1,805)	1:B:57:LEU:HD21	1:B:86:LYS:H	15	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:B:57:LEU:HD22	1:A:86:LYS:H	15	0.36
(1,805)	1:B:57:LEU:HD22	1:B:86:LYS:H	15	0.36
(1,805)	1:B:57:LEU:HD23	1:A:86:LYS:H	15	0.36
(1,805)	1:B:57:LEU:HD23	1:B:86:LYS:H	15	0.36
(1,754)	1:A:86:LYS:HD3	1:A:87:HIS:H	10	0.36
(1,754)	1:A:86:LYS:HD3	1:B:87:HIS:H	10	0.36
(1,754)	1:B:86:LYS:HD3	1:A:87:HIS:H	10	0.36
(1,754)	1:B:86:LYS:HD3	1:B:87:HIS:H	10	0.36
(1,754)	1:A:86:LYS:HD3	1:A:87:HIS:H	17	0.36
(1,754)	1:A:86:LYS:HD3	1:B:87:HIS:H	17	0.36
(1,754)	1:B:86:LYS:HD3	1:A:87:HIS:H	17	0.36
(1,754)	1:B:86:LYS:HD3	1:B:87:HIS:H	17	0.36
(1,738)	1:A:76:GLU:HA	1:A:79:ASP:HB2	1	0.36
(1,738)	1:A:76:GLU:HA	1:B:79:ASP:HB2	1	0.36
(1,738)	1:B:76:GLU:HA	1:A:79:ASP:HB2	1	0.36
(1,738)	1:B:76:GLU:HA	1:B:79:ASP:HB2	1	0.36
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB2	7	0.36
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB3	7	0.36
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB2	7	0.36
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB3	7	0.36
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB2	7	0.36
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB3	7	0.36
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB2	7	0.36
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB3	7	0.36
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	19	0.36
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	19	0.36
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	19	0.36
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	19	0.36
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	19	0.36
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	19	0.36
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	19	0.36
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	19	0.36
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	19	0.36
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	19	0.36
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	19	0.36
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	19	0.36
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	2	0.36
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	2	0.36
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	2	0.36
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	2	0.36
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	2	0.36
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	2	0.36
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	2	0.36
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	2	0.36
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	2	0.36
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	2	0.36
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	2	0.36
(1,316)	1:A:90:ASN:H	1:A:91:LEU:HG	13	0.36
(1,316)	1:A:90:ASN:H	1:B:91:LEU:HG	13	0.36
(1,316)	1:B:90:ASN:H	1:A:91:LEU:HG	13	0.36
(1,316)	1:B:90:ASN:H	1:B:91:LEU:HG	13	0.36
(1,274)	1:A:86:LYS:HG2	1:A:89:ARG:H	20	0.36
(1,274)	1:A:86:LYS:HG2	1:B:89:ARG:H	20	0.36
(1,274)	1:B:86:LYS:HG2	1:A:89:ARG:H	20	0.36
(1,274)	1:B:86:LYS:HG2	1:B:89:ARG:H	20	0.36
(1,977)	1:A:86:LYS:N	1:A:82:GLU:O	12	0.35
(1,977)	1:A:86:LYS:N	1:B:82:GLU:O	12	0.35
(1,977)	1:B:86:LYS:N	1:A:82:GLU:O	12	0.35
(1,977)	1:B:86:LYS:N	1:B:82:GLU:O	12	0.35
(1,96)	1:A:90:ASN:HB2	1:A:92:GLN:H	16	0.35
(1,96)	1:A:90:ASN:HB2	1:B:92:GLN:H	16	0.35
(1,96)	1:A:90:ASN:HB3	1:A:92:GLN:H	16	0.35
(1,96)	1:A:90:ASN:HB3	1:B:92:GLN:H	16	0.35
(1,96)	1:B:90:ASN:HB2	1:A:92:GLN:H	16	0.35
(1,96)	1:B:90:ASN:HB2	1:B:92:GLN:H	16	0.35
(1,96)	1:B:90:ASN:HB3	1:A:92:GLN:H	16	0.35
(1,96)	1:B:90:ASN:HB3	1:B:92:GLN:H	16	0.35
(1,957)	1:A:86:LYS:N	1:A:82:GLU:O	12	0.35
(1,957)	1:A:86:LYS:N	1:B:82:GLU:O	12	0.35
(1,957)	1:B:86:LYS:N	1:A:82:GLU:O	12	0.35
(1,957)	1:B:86:LYS:N	1:B:82:GLU:O	12	0.35
(1,936)	1:A:75:LEU:H	1:A:71:ARG:O	4	0.35
(1,936)	1:A:75:LEU:H	1:B:71:ARG:O	4	0.35
(1,936)	1:B:75:LEU:H	1:A:71:ARG:O	4	0.35
(1,936)	1:B:75:LEU:H	1:B:71:ARG:O	4	0.35
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD21	8	0.35
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD22	8	0.35
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD21	8	0.35
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD22	8	0.35
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD21	8	0.35
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD22	8	0.35
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD21	8	0.35
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD22	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB2	1	0.35
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB3	1	0.35
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB2	1	0.35
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB3	1	0.35
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB2	1	0.35
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB3	1	0.35
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB2	1	0.35
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB3	1	0.35
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB2	4	0.35
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB3	4	0.35
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB2	4	0.35
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB3	4	0.35
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB2	4	0.35
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB3	4	0.35
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB2	4	0.35
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB3	4	0.35
(1,805)	1:A:57:LEU:HD11	1:A:86:LYS:H	6	0.35
(1,805)	1:A:57:LEU:HD11	1:B:86:LYS:H	6	0.35
(1,805)	1:B:57:LEU:HD11	1:A:86:LYS:H	6	0.35
(1,805)	1:B:57:LEU:HD11	1:B:86:LYS:H	6	0.35
(1,805)	1:B:57:LEU:HD12	1:A:86:LYS:H	6	0.35
(1,805)	1:B:57:LEU:HD12	1:B:86:LYS:H	6	0.35
(1,805)	1:B:57:LEU:HD13	1:A:86:LYS:H	6	0.35
(1,805)	1:B:57:LEU:HD13	1:B:86:LYS:H	6	0.35
(1,805)	1:B:57:LEU:HD21	1:A:86:LYS:H	6	0.35
(1,805)	1:B:57:LEU:HD21	1:B:86:LYS:H	6	0.35
(1,805)	1:B:57:LEU:HD22	1:A:86:LYS:H	6	0.35
(1,805)	1:B:57:LEU:HD22	1:B:86:LYS:H	6	0.35
(1,805)	1:B:57:LEU:HD23	1:A:86:LYS:H	6	0.35
(1,805)	1:B:57:LEU:HD23	1:B:86:LYS:H	6	0.35
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD11	7	0.35
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD12	7	0.35
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD13	7	0.35
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD11	7	0.35
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD12	7	0.35
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD13	7	0.35
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD11	7	0.35
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD12	7	0.35
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD13	7	0.35
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD11	7	0.35
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD12	7	0.35
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD13	7	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,738)	1:A:76:GLU:HA	1:A:79:ASP:HB2	9	0.35
(1,738)	1:A:76:GLU:HA	1:B:79:ASP:HB2	9	0.35
(1,738)	1:B:76:GLU:HA	1:A:79:ASP:HB2	9	0.35
(1,738)	1:B:76:GLU:HA	1:B:79:ASP:HB2	9	0.35
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB2	17	0.35
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB3	17	0.35
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB2	17	0.35
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB3	17	0.35
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB2	17	0.35
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB3	17	0.35
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB2	17	0.35
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB3	17	0.35
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD1	16	0.35
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD2	16	0.35
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD1	16	0.35
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD2	16	0.35
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD1	16	0.35
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD2	16	0.35
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD1	16	0.35
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD2	16	0.35
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD1	16	0.35
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD2	16	0.35
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD1	16	0.35
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD2	16	0.35
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD1	16	0.35
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD2	16	0.35
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD1	16	0.35
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD2	16	0.35
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD11	6	0.35
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD12	6	0.35
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD13	6	0.35
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD11	6	0.35
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD12	6	0.35
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD13	6	0.35
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD11	6	0.35
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD12	6	0.35
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD13	6	0.35
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD11	6	0.35
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD12	6	0.35
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD13	6	0.35
(1,277)	1:A:54:LEU:HD21	1:A:80:ILE:H	11	0.35
(1,277)	1:A:54:LEU:HD21	1:B:80:ILE:H	11	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,277)	1:B:54:LEU:HD21	1:A:80:ILE:H	11	0.35
(1,277)	1:B:54:LEU:HD21	1:B:80:ILE:H	11	0.35
(1,277)	1:B:54:LEU:HD22	1:A:80:ILE:H	11	0.35
(1,277)	1:B:54:LEU:HD22	1:B:80:ILE:H	11	0.35
(1,277)	1:B:54:LEU:HD23	1:A:80:ILE:H	11	0.35
(1,277)	1:B:54:LEU:HD23	1:B:80:ILE:H	11	0.35
(1,275)	1:A:86:LYS:HG2	1:A:88:LEU:H	20	0.35
(1,275)	1:A:86:LYS:HG2	1:B:88:LEU:H	20	0.35
(1,275)	1:B:86:LYS:HG2	1:A:88:LEU:H	20	0.35
(1,275)	1:B:86:LYS:HG2	1:B:88:LEU:H	20	0.35
(1,977)	1:A:86:LYS:N	1:A:82:GLU:O	1	0.34
(1,977)	1:A:86:LYS:N	1:B:82:GLU:O	1	0.34
(1,977)	1:B:86:LYS:N	1:A:82:GLU:O	1	0.34
(1,977)	1:B:86:LYS:N	1:B:82:GLU:O	1	0.34
(1,977)	1:A:86:LYS:N	1:A:82:GLU:O	6	0.34
(1,977)	1:A:86:LYS:N	1:B:82:GLU:O	6	0.34
(1,977)	1:B:86:LYS:N	1:A:82:GLU:O	6	0.34
(1,977)	1:B:86:LYS:N	1:B:82:GLU:O	6	0.34
(1,977)	1:A:86:LYS:N	1:A:82:GLU:O	8	0.34
(1,977)	1:A:86:LYS:N	1:B:82:GLU:O	8	0.34
(1,977)	1:B:86:LYS:N	1:A:82:GLU:O	8	0.34
(1,977)	1:B:86:LYS:N	1:B:82:GLU:O	8	0.34
(1,977)	1:A:86:LYS:N	1:A:82:GLU:O	11	0.34
(1,977)	1:A:86:LYS:N	1:B:82:GLU:O	11	0.34
(1,977)	1:B:86:LYS:N	1:A:82:GLU:O	11	0.34
(1,977)	1:B:86:LYS:N	1:B:82:GLU:O	11	0.34
(1,977)	1:A:86:LYS:N	1:A:82:GLU:O	17	0.34
(1,977)	1:A:86:LYS:N	1:B:82:GLU:O	17	0.34
(1,977)	1:B:86:LYS:N	1:A:82:GLU:O	17	0.34
(1,977)	1:B:86:LYS:N	1:B:82:GLU:O	17	0.34
(1,957)	1:A:86:LYS:N	1:A:82:GLU:O	1	0.34
(1,957)	1:A:86:LYS:N	1:B:82:GLU:O	1	0.34
(1,957)	1:B:86:LYS:N	1:A:82:GLU:O	1	0.34
(1,957)	1:B:86:LYS:N	1:B:82:GLU:O	1	0.34
(1,957)	1:A:86:LYS:N	1:A:82:GLU:O	6	0.34
(1,957)	1:A:86:LYS:N	1:B:82:GLU:O	6	0.34
(1,957)	1:B:86:LYS:N	1:A:82:GLU:O	6	0.34
(1,957)	1:B:86:LYS:N	1:B:82:GLU:O	6	0.34
(1,957)	1:A:86:LYS:N	1:A:82:GLU:O	8	0.34
(1,957)	1:A:86:LYS:N	1:B:82:GLU:O	8	0.34
(1,957)	1:B:86:LYS:N	1:A:82:GLU:O	8	0.34
(1,957)	1:B:86:LYS:N	1:B:82:GLU:O	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,957)	1:A:86:LYS:N	1:A:82:GLU:O	11	0.34
(1,957)	1:A:86:LYS:N	1:B:82:GLU:O	11	0.34
(1,957)	1:B:86:LYS:N	1:A:82:GLU:O	11	0.34
(1,957)	1:B:86:LYS:N	1:B:82:GLU:O	11	0.34
(1,957)	1:A:86:LYS:N	1:A:82:GLU:O	17	0.34
(1,957)	1:A:86:LYS:N	1:B:82:GLU:O	17	0.34
(1,957)	1:B:86:LYS:N	1:A:82:GLU:O	17	0.34
(1,957)	1:B:86:LYS:N	1:B:82:GLU:O	17	0.34
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD21	11	0.34
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD22	11	0.34
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD21	11	0.34
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD22	11	0.34
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD21	11	0.34
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD22	11	0.34
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD21	11	0.34
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD22	11	0.34
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD21	13	0.34
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD22	13	0.34
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD21	13	0.34
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD22	13	0.34
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD21	13	0.34
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD22	13	0.34
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD21	13	0.34
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD22	13	0.34
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD21	16	0.34
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD22	16	0.34
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD21	16	0.34
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD22	16	0.34
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD21	16	0.34
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD22	16	0.34
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD21	16	0.34
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD22	16	0.34
(1,805)	1:A:57:LEU:HD11	1:A:86:LYS:H	1	0.34
(1,805)	1:A:57:LEU:HD11	1:B:86:LYS:H	1	0.34
(1,805)	1:B:57:LEU:HD11	1:A:86:LYS:H	1	0.34
(1,805)	1:B:57:LEU:HD11	1:B:86:LYS:H	1	0.34
(1,805)	1:B:57:LEU:HD12	1:A:86:LYS:H	1	0.34
(1,805)	1:B:57:LEU:HD12	1:B:86:LYS:H	1	0.34
(1,805)	1:B:57:LEU:HD13	1:A:86:LYS:H	1	0.34
(1,805)	1:B:57:LEU:HD13	1:B:86:LYS:H	1	0.34
(1,805)	1:B:57:LEU:HD21	1:A:86:LYS:H	1	0.34
(1,805)	1:B:57:LEU:HD21	1:B:86:LYS:H	1	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:B:57:LEU:HD22	1:A:86:LYS:H	1	0.34
(1,805)	1:B:57:LEU:HD22	1:B:86:LYS:H	1	0.34
(1,805)	1:B:57:LEU:HD23	1:A:86:LYS:H	1	0.34
(1,805)	1:B:57:LEU:HD23	1:B:86:LYS:H	1	0.34
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	14	0.34
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	14	0.34
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	14	0.34
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	14	0.34
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	14	0.34
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	14	0.34
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	14	0.34
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	14	0.34
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	14	0.34
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	14	0.34
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	14	0.34
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	14	0.34
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD21	14	0.34
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD22	14	0.34
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD23	14	0.34
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD21	14	0.34
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD22	14	0.34
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD23	14	0.34
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	14	0.34
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	14	0.34
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	14	0.34
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	14	0.34
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	14	0.34
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	14	0.34
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	14	0.34
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	14	0.34
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	14	0.34
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	14	0.34
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	14	0.34
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	14	0.34
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD21	14	0.34
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD22	14	0.34
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD23	14	0.34
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD21	14	0.34
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD22	14	0.34
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD23	14	0.34
(1,700)	1:A:87:HIS:HD1	1:A:91:LEU:HA	19	0.34
(1,700)	1:A:87:HIS:HD1	1:B:91:LEU:HA	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,700)	1:B:87:HIS:HD1	1:A:91:LEU:HA	19	0.34
(1,700)	1:B:87:HIS:HD1	1:B:91:LEU:HA	19	0.34
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB2	12	0.34
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB3	12	0.34
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB2	12	0.34
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB3	12	0.34
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB2	12	0.34
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB3	12	0.34
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB2	12	0.34
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB3	12	0.34
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB2	13	0.34
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB3	13	0.34
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB2	13	0.34
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB3	13	0.34
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB2	13	0.34
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB3	13	0.34
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB2	13	0.34
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB3	13	0.34
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB2	4	0.34
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB3	4	0.34
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB2	4	0.34
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB3	4	0.34
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB2	4	0.34
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB3	4	0.34
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB2	4	0.34
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB3	4	0.34
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD21	2	0.34
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD22	2	0.34
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD23	2	0.34
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD21	2	0.34
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD22	2	0.34
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD23	2	0.34
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD21	2	0.34
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD22	2	0.34
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD23	2	0.34
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD21	2	0.34
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD22	2	0.34
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD23	2	0.34
(1,484)	1:A:91:LEU:HA	1:A:93:ARG:HA	3	0.34
(1,484)	1:A:91:LEU:HA	1:B:93:ARG:HA	3	0.34
(1,484)	1:B:91:LEU:HA	1:A:93:ARG:HA	3	0.34
(1,484)	1:B:91:LEU:HA	1:B:93:ARG:HA	3	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,274)	1:A:86:LYS:HG2	1:A:89:ARG:H	7	0.34
(1,274)	1:A:86:LYS:HG2	1:B:89:ARG:H	7	0.34
(1,274)	1:B:86:LYS:HG2	1:A:89:ARG:H	7	0.34
(1,274)	1:B:86:LYS:HG2	1:B:89:ARG:H	7	0.34
(1,977)	1:A:86:LYS:N	1:A:82:GLU:O	2	0.33
(1,977)	1:A:86:LYS:N	1:B:82:GLU:O	2	0.33
(1,977)	1:B:86:LYS:N	1:A:82:GLU:O	2	0.33
(1,977)	1:B:86:LYS:N	1:B:82:GLU:O	2	0.33
(1,977)	1:A:86:LYS:N	1:A:82:GLU:O	3	0.33
(1,977)	1:A:86:LYS:N	1:B:82:GLU:O	3	0.33
(1,977)	1:B:86:LYS:N	1:A:82:GLU:O	3	0.33
(1,977)	1:B:86:LYS:N	1:B:82:GLU:O	3	0.33
(1,977)	1:A:86:LYS:N	1:A:82:GLU:O	4	0.33
(1,977)	1:A:86:LYS:N	1:B:82:GLU:O	4	0.33
(1,977)	1:B:86:LYS:N	1:A:82:GLU:O	4	0.33
(1,977)	1:B:86:LYS:N	1:B:82:GLU:O	4	0.33
(1,977)	1:A:86:LYS:N	1:A:82:GLU:O	5	0.33
(1,977)	1:A:86:LYS:N	1:B:82:GLU:O	5	0.33
(1,977)	1:B:86:LYS:N	1:A:82:GLU:O	5	0.33
(1,977)	1:B:86:LYS:N	1:B:82:GLU:O	5	0.33
(1,977)	1:A:86:LYS:N	1:A:82:GLU:O	7	0.33
(1,977)	1:A:86:LYS:N	1:B:82:GLU:O	7	0.33
(1,977)	1:B:86:LYS:N	1:A:82:GLU:O	7	0.33
(1,977)	1:B:86:LYS:N	1:B:82:GLU:O	7	0.33
(1,977)	1:A:86:LYS:N	1:A:82:GLU:O	10	0.33
(1,977)	1:A:86:LYS:N	1:B:82:GLU:O	10	0.33
(1,977)	1:B:86:LYS:N	1:A:82:GLU:O	10	0.33
(1,977)	1:B:86:LYS:N	1:B:82:GLU:O	10	0.33
(1,977)	1:A:86:LYS:N	1:A:82:GLU:O	16	0.33
(1,977)	1:A:86:LYS:N	1:B:82:GLU:O	16	0.33
(1,977)	1:B:86:LYS:N	1:A:82:GLU:O	16	0.33
(1,977)	1:B:86:LYS:N	1:B:82:GLU:O	16	0.33
(1,977)	1:A:86:LYS:N	1:A:82:GLU:O	18	0.33
(1,977)	1:A:86:LYS:N	1:B:82:GLU:O	18	0.33
(1,977)	1:B:86:LYS:N	1:A:82:GLU:O	18	0.33
(1,977)	1:B:86:LYS:N	1:B:82:GLU:O	18	0.33
(1,957)	1:A:86:LYS:N	1:A:82:GLU:O	2	0.33
(1,957)	1:A:86:LYS:N	1:B:82:GLU:O	2	0.33
(1,957)	1:B:86:LYS:N	1:A:82:GLU:O	2	0.33
(1,957)	1:B:86:LYS:N	1:B:82:GLU:O	2	0.33
(1,957)	1:A:86:LYS:N	1:A:82:GLU:O	3	0.33
(1,957)	1:A:86:LYS:N	1:B:82:GLU:O	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,957)	1:B:86:LYS:N	1:A:82:GLU:O	3	0.33
(1,957)	1:B:86:LYS:N	1:B:82:GLU:O	3	0.33
(1,957)	1:A:86:LYS:N	1:A:82:GLU:O	4	0.33
(1,957)	1:A:86:LYS:N	1:B:82:GLU:O	4	0.33
(1,957)	1:B:86:LYS:N	1:A:82:GLU:O	4	0.33
(1,957)	1:B:86:LYS:N	1:B:82:GLU:O	4	0.33
(1,957)	1:A:86:LYS:N	1:A:82:GLU:O	5	0.33
(1,957)	1:A:86:LYS:N	1:B:82:GLU:O	5	0.33
(1,957)	1:B:86:LYS:N	1:A:82:GLU:O	5	0.33
(1,957)	1:B:86:LYS:N	1:B:82:GLU:O	5	0.33
(1,957)	1:A:86:LYS:N	1:A:82:GLU:O	7	0.33
(1,957)	1:A:86:LYS:N	1:B:82:GLU:O	7	0.33
(1,957)	1:B:86:LYS:N	1:A:82:GLU:O	7	0.33
(1,957)	1:B:86:LYS:N	1:B:82:GLU:O	7	0.33
(1,957)	1:A:86:LYS:N	1:A:82:GLU:O	10	0.33
(1,957)	1:A:86:LYS:N	1:B:82:GLU:O	10	0.33
(1,957)	1:B:86:LYS:N	1:A:82:GLU:O	10	0.33
(1,957)	1:B:86:LYS:N	1:B:82:GLU:O	10	0.33
(1,957)	1:A:86:LYS:N	1:A:82:GLU:O	16	0.33
(1,957)	1:A:86:LYS:N	1:B:82:GLU:O	16	0.33
(1,957)	1:B:86:LYS:N	1:A:82:GLU:O	16	0.33
(1,957)	1:B:86:LYS:N	1:B:82:GLU:O	16	0.33
(1,957)	1:A:86:LYS:N	1:A:82:GLU:O	18	0.33
(1,957)	1:A:86:LYS:N	1:B:82:GLU:O	18	0.33
(1,957)	1:B:86:LYS:N	1:A:82:GLU:O	18	0.33
(1,957)	1:B:86:LYS:N	1:B:82:GLU:O	18	0.33
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD21	3	0.33
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD22	3	0.33
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD21	3	0.33
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD22	3	0.33
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD21	3	0.33
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD22	3	0.33
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD21	3	0.33
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD22	3	0.33
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD21	6	0.33
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD22	6	0.33
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD21	6	0.33
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD22	6	0.33
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD21	6	0.33
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD22	6	0.33
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD21	6	0.33
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD22	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD21	7	0.33
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD22	7	0.33
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD21	7	0.33
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD22	7	0.33
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD21	7	0.33
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD22	7	0.33
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD21	7	0.33
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD22	7	0.33
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD21	14	0.33
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD22	14	0.33
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD21	14	0.33
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD22	14	0.33
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD21	14	0.33
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD22	14	0.33
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD21	14	0.33
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD22	14	0.33
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD21	17	0.33
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD22	17	0.33
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD21	17	0.33
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD22	17	0.33
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD21	17	0.33
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD22	17	0.33
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD21	17	0.33
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD22	17	0.33
(1,782)	1:A:64:ALA:HB1	1:A:66:LYS:H	4	0.33
(1,782)	1:A:64:ALA:HB1	1:B:66:LYS:H	4	0.33
(1,782)	1:A:64:ALA:HB2	1:A:66:LYS:H	4	0.33
(1,782)	1:A:64:ALA:HB2	1:B:66:LYS:H	4	0.33
(1,782)	1:A:64:ALA:HB3	1:A:66:LYS:H	4	0.33
(1,782)	1:A:64:ALA:HB3	1:B:66:LYS:H	4	0.33
(1,782)	1:B:64:ALA:HB1	1:A:66:LYS:H	4	0.33
(1,782)	1:B:64:ALA:HB1	1:B:66:LYS:H	4	0.33
(1,782)	1:B:64:ALA:HB2	1:A:66:LYS:H	4	0.33
(1,782)	1:B:64:ALA:HB2	1:B:66:LYS:H	4	0.33
(1,782)	1:B:64:ALA:HB3	1:A:66:LYS:H	4	0.33
(1,782)	1:B:64:ALA:HB3	1:B:66:LYS:H	4	0.33
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	19	0.33
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	19	0.33
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	19	0.33
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	19	0.33
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	19	0.33
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	19	0.33
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	19	0.33
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	19	0.33
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	19	0.33
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	19	0.33
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	19	0.33
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD21	19	0.33
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD22	19	0.33
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD23	19	0.33
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD21	19	0.33
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD22	19	0.33
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD23	19	0.33
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	19	0.33
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	19	0.33
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	19	0.33
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	19	0.33
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	19	0.33
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	19	0.33
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	19	0.33
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	19	0.33
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	19	0.33
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	19	0.33
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	19	0.33
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	19	0.33
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD21	19	0.33
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD22	19	0.33
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD23	19	0.33
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD21	19	0.33
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD22	19	0.33
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD23	19	0.33
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB2	8	0.33
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB3	8	0.33
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB2	8	0.33
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB3	8	0.33
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB2	8	0.33
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB3	8	0.33
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB2	8	0.33
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB3	8	0.33
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB2	10	0.33
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB3	10	0.33
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB2	10	0.33
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB3	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB2	10	0.33
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB3	10	0.33
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB2	10	0.33
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB3	10	0.33
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB2	1	0.33
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB3	1	0.33
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB2	1	0.33
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB3	1	0.33
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB2	1	0.33
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB3	1	0.33
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB2	1	0.33
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB3	1	0.33
(1,609)	1:A:92:GLN:HB2	1:A:93:ARG:HB2	5	0.33
(1,609)	1:A:92:GLN:HB2	1:B:93:ARG:HB2	5	0.33
(1,609)	1:A:92:GLN:HB3	1:A:93:ARG:HB2	5	0.33
(1,609)	1:A:92:GLN:HB3	1:B:93:ARG:HB2	5	0.33
(1,609)	1:B:92:GLN:HB2	1:A:93:ARG:HB2	5	0.33
(1,609)	1:B:92:GLN:HB2	1:B:93:ARG:HB2	5	0.33
(1,609)	1:B:92:GLN:HB3	1:A:93:ARG:HB2	5	0.33
(1,609)	1:B:92:GLN:HB3	1:B:93:ARG:HB2	5	0.33
(1,609)	1:A:92:GLN:HB2	1:A:93:ARG:HB2	7	0.33
(1,609)	1:A:92:GLN:HB2	1:B:93:ARG:HB2	7	0.33
(1,609)	1:A:92:GLN:HB3	1:A:93:ARG:HB2	7	0.33
(1,609)	1:A:92:GLN:HB3	1:B:93:ARG:HB2	7	0.33
(1,609)	1:B:92:GLN:HB2	1:A:93:ARG:HB2	7	0.33
(1,609)	1:B:92:GLN:HB2	1:B:93:ARG:HB2	7	0.33
(1,609)	1:B:92:GLN:HB3	1:A:93:ARG:HB2	7	0.33
(1,609)	1:B:92:GLN:HB3	1:B:93:ARG:HB2	7	0.33
(1,609)	1:A:92:GLN:HB2	1:A:93:ARG:HB2	10	0.33
(1,609)	1:A:92:GLN:HB2	1:B:93:ARG:HB2	10	0.33
(1,609)	1:A:92:GLN:HB3	1:A:93:ARG:HB2	10	0.33
(1,609)	1:A:92:GLN:HB3	1:B:93:ARG:HB2	10	0.33
(1,609)	1:B:92:GLN:HB2	1:A:93:ARG:HB2	10	0.33
(1,609)	1:B:92:GLN:HB2	1:B:93:ARG:HB2	10	0.33
(1,609)	1:B:92:GLN:HB3	1:A:93:ARG:HB2	10	0.33
(1,609)	1:B:92:GLN:HB3	1:B:93:ARG:HB2	10	0.33
(1,50)	1:A:68:ASP:HA	1:A:71:ARG:H	15	0.33
(1,50)	1:A:68:ASP:HA	1:B:71:ARG:H	15	0.33
(1,50)	1:B:68:ASP:HA	1:A:71:ARG:H	15	0.33
(1,50)	1:B:68:ASP:HA	1:B:71:ARG:H	15	0.33
(1,275)	1:A:86:LYS:HG2	1:A:88:LEU:H	7	0.33
(1,275)	1:A:86:LYS:HG2	1:B:88:LEU:H	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,275)	1:B:86:LYS:HG2	1:A:88:LEU:H	7	0.33
(1,275)	1:B:86:LYS:HG2	1:B:88:LEU:H	7	0.33
(1,189)	1:A:75:LEU:HA	1:A:79:ASP:H	3	0.33
(1,189)	1:A:75:LEU:HA	1:B:79:ASP:H	3	0.33
(1,189)	1:B:75:LEU:HA	1:A:79:ASP:H	3	0.33
(1,189)	1:B:75:LEU:HA	1:B:79:ASP:H	3	0.33
(1,989)	1:A:92:GLN:N	1:A:88:LEU:O	11	0.32
(1,989)	1:A:92:GLN:N	1:B:88:LEU:O	11	0.32
(1,989)	1:B:92:GLN:N	1:A:88:LEU:O	11	0.32
(1,989)	1:B:92:GLN:N	1:B:88:LEU:O	11	0.32
(1,989)	1:A:92:GLN:N	1:A:88:LEU:O	17	0.32
(1,989)	1:A:92:GLN:N	1:B:88:LEU:O	17	0.32
(1,989)	1:B:92:GLN:N	1:A:88:LEU:O	17	0.32
(1,989)	1:B:92:GLN:N	1:B:88:LEU:O	17	0.32
(1,977)	1:A:86:LYS:N	1:A:82:GLU:O	9	0.32
(1,977)	1:A:86:LYS:N	1:B:82:GLU:O	9	0.32
(1,977)	1:B:86:LYS:N	1:A:82:GLU:O	9	0.32
(1,977)	1:B:86:LYS:N	1:B:82:GLU:O	9	0.32
(1,977)	1:A:86:LYS:N	1:A:82:GLU:O	13	0.32
(1,977)	1:A:86:LYS:N	1:B:82:GLU:O	13	0.32
(1,977)	1:B:86:LYS:N	1:A:82:GLU:O	13	0.32
(1,977)	1:B:86:LYS:N	1:B:82:GLU:O	13	0.32
(1,977)	1:A:86:LYS:N	1:A:82:GLU:O	15	0.32
(1,977)	1:A:86:LYS:N	1:B:82:GLU:O	15	0.32
(1,977)	1:B:86:LYS:N	1:A:82:GLU:O	15	0.32
(1,977)	1:B:86:LYS:N	1:B:82:GLU:O	15	0.32
(1,977)	1:A:86:LYS:N	1:A:82:GLU:O	20	0.32
(1,977)	1:A:86:LYS:N	1:B:82:GLU:O	20	0.32
(1,977)	1:B:86:LYS:N	1:A:82:GLU:O	20	0.32
(1,977)	1:B:86:LYS:N	1:B:82:GLU:O	20	0.32
(1,971)	1:A:83:MET:N	1:A:79:ASP:O	5	0.32
(1,971)	1:A:83:MET:N	1:B:79:ASP:O	5	0.32
(1,971)	1:B:83:MET:N	1:A:79:ASP:O	5	0.32
(1,971)	1:B:83:MET:N	1:B:79:ASP:O	5	0.32
(1,971)	1:A:83:MET:N	1:A:79:ASP:O	19	0.32
(1,971)	1:A:83:MET:N	1:B:79:ASP:O	19	0.32
(1,971)	1:B:83:MET:N	1:A:79:ASP:O	19	0.32
(1,971)	1:B:83:MET:N	1:B:79:ASP:O	19	0.32
(1,96)	1:A:90:ASN:HB2	1:A:92:GLN:H	2	0.32
(1,96)	1:A:90:ASN:HB2	1:B:92:GLN:H	2	0.32
(1,96)	1:A:90:ASN:HB3	1:A:92:GLN:H	2	0.32
(1,96)	1:A:90:ASN:HB3	1:B:92:GLN:H	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:B:90:ASN:HB2	1:A:92:GLN:H	2	0.32
(1,96)	1:B:90:ASN:HB2	1:B:92:GLN:H	2	0.32
(1,96)	1:B:90:ASN:HB3	1:A:92:GLN:H	2	0.32
(1,96)	1:B:90:ASN:HB3	1:B:92:GLN:H	2	0.32
(1,96)	1:A:90:ASN:HB2	1:A:92:GLN:H	20	0.32
(1,96)	1:A:90:ASN:HB2	1:B:92:GLN:H	20	0.32
(1,96)	1:A:90:ASN:HB3	1:A:92:GLN:H	20	0.32
(1,96)	1:A:90:ASN:HB3	1:B:92:GLN:H	20	0.32
(1,96)	1:B:90:ASN:HB2	1:A:92:GLN:H	20	0.32
(1,96)	1:B:90:ASN:HB2	1:B:92:GLN:H	20	0.32
(1,96)	1:B:90:ASN:HB3	1:A:92:GLN:H	20	0.32
(1,96)	1:B:90:ASN:HB3	1:B:92:GLN:H	20	0.32
(1,957)	1:A:86:LYS:N	1:A:82:GLU:O	9	0.32
(1,957)	1:A:86:LYS:N	1:B:82:GLU:O	9	0.32
(1,957)	1:B:86:LYS:N	1:A:82:GLU:O	9	0.32
(1,957)	1:B:86:LYS:N	1:B:82:GLU:O	9	0.32
(1,957)	1:A:86:LYS:N	1:A:82:GLU:O	13	0.32
(1,957)	1:A:86:LYS:N	1:B:82:GLU:O	13	0.32
(1,957)	1:B:86:LYS:N	1:A:82:GLU:O	13	0.32
(1,957)	1:B:86:LYS:N	1:B:82:GLU:O	13	0.32
(1,957)	1:A:86:LYS:N	1:A:82:GLU:O	15	0.32
(1,957)	1:A:86:LYS:N	1:B:82:GLU:O	15	0.32
(1,957)	1:B:86:LYS:N	1:A:82:GLU:O	15	0.32
(1,957)	1:B:86:LYS:N	1:B:82:GLU:O	15	0.32
(1,957)	1:A:86:LYS:N	1:A:82:GLU:O	20	0.32
(1,957)	1:A:86:LYS:N	1:B:82:GLU:O	20	0.32
(1,957)	1:B:86:LYS:N	1:A:82:GLU:O	20	0.32
(1,957)	1:B:86:LYS:N	1:B:82:GLU:O	20	0.32
(1,951)	1:A:83:MET:N	1:A:79:ASP:O	5	0.32
(1,951)	1:A:83:MET:N	1:B:79:ASP:O	5	0.32
(1,951)	1:B:83:MET:N	1:A:79:ASP:O	5	0.32
(1,951)	1:B:83:MET:N	1:B:79:ASP:O	5	0.32
(1,951)	1:A:83:MET:N	1:A:79:ASP:O	19	0.32
(1,951)	1:A:83:MET:N	1:B:79:ASP:O	19	0.32
(1,951)	1:B:83:MET:N	1:A:79:ASP:O	19	0.32
(1,951)	1:B:83:MET:N	1:B:79:ASP:O	19	0.32
(1,937)	1:A:75:LEU:N	1:A:71:ARG:O	19	0.32
(1,937)	1:A:75:LEU:N	1:B:71:ARG:O	19	0.32
(1,937)	1:B:75:LEU:N	1:A:71:ARG:O	19	0.32
(1,937)	1:B:75:LEU:N	1:B:71:ARG:O	19	0.32
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD21	12	0.32
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD22	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD21	12	0.32
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD22	12	0.32
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD21	12	0.32
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD22	12	0.32
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD21	12	0.32
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD22	12	0.32
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD21	15	0.32
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD22	15	0.32
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD21	15	0.32
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD22	15	0.32
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD21	15	0.32
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD22	15	0.32
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD21	15	0.32
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD22	15	0.32
(1,805)	1:A:57:LEU:HD11	1:A:86:LYS:H	8	0.32
(1,805)	1:A:57:LEU:HD11	1:B:86:LYS:H	8	0.32
(1,805)	1:B:57:LEU:HD11	1:A:86:LYS:H	8	0.32
(1,805)	1:B:57:LEU:HD11	1:B:86:LYS:H	8	0.32
(1,805)	1:B:57:LEU:HD12	1:A:86:LYS:H	8	0.32
(1,805)	1:B:57:LEU:HD12	1:B:86:LYS:H	8	0.32
(1,805)	1:B:57:LEU:HD13	1:A:86:LYS:H	8	0.32
(1,805)	1:B:57:LEU:HD13	1:B:86:LYS:H	8	0.32
(1,805)	1:B:57:LEU:HD21	1:A:86:LYS:H	8	0.32
(1,805)	1:B:57:LEU:HD21	1:B:86:LYS:H	8	0.32
(1,805)	1:B:57:LEU:HD22	1:A:86:LYS:H	8	0.32
(1,805)	1:B:57:LEU:HD22	1:B:86:LYS:H	8	0.32
(1,805)	1:B:57:LEU:HD23	1:A:86:LYS:H	8	0.32
(1,805)	1:B:57:LEU:HD23	1:B:86:LYS:H	8	0.32
(1,805)	1:A:57:LEU:HD11	1:A:86:LYS:H	12	0.32
(1,805)	1:A:57:LEU:HD11	1:B:86:LYS:H	12	0.32
(1,805)	1:B:57:LEU:HD11	1:A:86:LYS:H	12	0.32
(1,805)	1:B:57:LEU:HD11	1:B:86:LYS:H	12	0.32
(1,805)	1:B:57:LEU:HD12	1:A:86:LYS:H	12	0.32
(1,805)	1:B:57:LEU:HD12	1:B:86:LYS:H	12	0.32
(1,805)	1:B:57:LEU:HD13	1:A:86:LYS:H	12	0.32
(1,805)	1:B:57:LEU:HD13	1:B:86:LYS:H	12	0.32
(1,805)	1:B:57:LEU:HD21	1:A:86:LYS:H	12	0.32
(1,805)	1:B:57:LEU:HD21	1:B:86:LYS:H	12	0.32
(1,805)	1:B:57:LEU:HD22	1:A:86:LYS:H	12	0.32
(1,805)	1:B:57:LEU:HD22	1:B:86:LYS:H	12	0.32
(1,805)	1:B:57:LEU:HD23	1:A:86:LYS:H	12	0.32
(1,805)	1:B:57:LEU:HD23	1:B:86:LYS:H	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:A:57:LEU:HD11	1:A:86:LYS:H	17	0.32
(1,805)	1:A:57:LEU:HD11	1:B:86:LYS:H	17	0.32
(1,805)	1:B:57:LEU:HD11	1:A:86:LYS:H	17	0.32
(1,805)	1:B:57:LEU:HD11	1:B:86:LYS:H	17	0.32
(1,805)	1:B:57:LEU:HD12	1:A:86:LYS:H	17	0.32
(1,805)	1:B:57:LEU:HD12	1:B:86:LYS:H	17	0.32
(1,805)	1:B:57:LEU:HD13	1:A:86:LYS:H	17	0.32
(1,805)	1:B:57:LEU:HD13	1:B:86:LYS:H	17	0.32
(1,805)	1:B:57:LEU:HD21	1:A:86:LYS:H	17	0.32
(1,805)	1:B:57:LEU:HD21	1:B:86:LYS:H	17	0.32
(1,805)	1:B:57:LEU:HD22	1:A:86:LYS:H	17	0.32
(1,805)	1:B:57:LEU:HD22	1:B:86:LYS:H	17	0.32
(1,805)	1:B:57:LEU:HD23	1:A:86:LYS:H	17	0.32
(1,805)	1:B:57:LEU:HD23	1:B:86:LYS:H	17	0.32
(1,788)	1:A:65:LEU:HG	1:A:66:LYS:H	3	0.32
(1,788)	1:A:65:LEU:HG	1:B:66:LYS:H	3	0.32
(1,788)	1:B:65:LEU:HG	1:A:66:LYS:H	3	0.32
(1,788)	1:B:65:LEU:HG	1:B:66:LYS:H	3	0.32
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	10	0.32
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	10	0.32
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	10	0.32
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	10	0.32
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	10	0.32
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	10	0.32
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	10	0.32
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	10	0.32
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	10	0.32
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	10	0.32
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	10	0.32
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	10	0.32
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD21	10	0.32
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD22	10	0.32
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD23	10	0.32
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD21	10	0.32
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD22	10	0.32
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD23	10	0.32
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	10	0.32
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	10	0.32
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	10	0.32
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	10	0.32
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	10	0.32
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	10	0.32
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	10	0.32
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	10	0.32
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	10	0.32
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	10	0.32
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	10	0.32
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD21	10	0.32
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD22	10	0.32
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD23	10	0.32
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD21	10	0.32
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD22	10	0.32
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD23	10	0.32
(1,700)	1:A:87:HIS:HD1	1:A:91:LEU:HA	8	0.32
(1,700)	1:A:87:HIS:HD1	1:B:91:LEU:HA	8	0.32
(1,700)	1:B:87:HIS:HD1	1:A:91:LEU:HA	8	0.32
(1,700)	1:B:87:HIS:HD1	1:B:91:LEU:HA	8	0.32
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB2	1	0.32
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB3	1	0.32
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB2	1	0.32
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB3	1	0.32
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB2	1	0.32
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB3	1	0.32
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB2	1	0.32
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB3	1	0.32
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB2	3	0.32
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB3	3	0.32
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB2	3	0.32
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB3	3	0.32
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB2	3	0.32
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB3	3	0.32
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB2	3	0.32
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB3	3	0.32
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB2	18	0.32
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB3	18	0.32
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB2	18	0.32
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB3	18	0.32
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB2	18	0.32
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB3	18	0.32
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB2	18	0.32
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB3	18	0.32
(1,674)	1:A:88:LEU:HB2	1:A:91:LEU:HG	19	0.32
(1,674)	1:A:88:LEU:HB2	1:B:91:LEU:HG	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,674)	1:B:88:LEU:HB2	1:A:91:LEU:HG	19	0.32
(1,674)	1:B:88:LEU:HB2	1:B:91:LEU:HG	19	0.32
(1,609)	1:A:92:GLN:HB2	1:A:93:ARG:HB2	1	0.32
(1,609)	1:A:92:GLN:HB2	1:B:93:ARG:HB2	1	0.32
(1,609)	1:A:92:GLN:HB3	1:A:93:ARG:HB2	1	0.32
(1,609)	1:A:92:GLN:HB3	1:B:93:ARG:HB2	1	0.32
(1,609)	1:B:92:GLN:HB2	1:A:93:ARG:HB2	1	0.32
(1,609)	1:B:92:GLN:HB2	1:B:93:ARG:HB2	1	0.32
(1,609)	1:B:92:GLN:HB3	1:A:93:ARG:HB2	1	0.32
(1,609)	1:B:92:GLN:HB3	1:B:93:ARG:HB2	1	0.32
(1,582)	1:A:76:GLU:HB3	1:A:79:ASP:HB3	19	0.32
(1,582)	1:A:76:GLU:HB3	1:B:79:ASP:HB3	19	0.32
(1,582)	1:B:76:GLU:HB3	1:A:79:ASP:HB3	19	0.32
(1,582)	1:B:76:GLU:HB3	1:B:79:ASP:HB3	19	0.32
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD1	10	0.32
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD2	10	0.32
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD1	10	0.32
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD2	10	0.32
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD1	10	0.32
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD2	10	0.32
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD1	10	0.32
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD2	10	0.32
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD1	10	0.32
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD2	10	0.32
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD1	10	0.32
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD2	10	0.32
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD1	10	0.32
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD2	10	0.32
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD1	10	0.32
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD2	10	0.32
(1,50)	1:A:68:ASP:HA	1:A:71:ARG:H	9	0.32
(1,50)	1:A:68:ASP:HA	1:B:71:ARG:H	9	0.32
(1,50)	1:B:68:ASP:HA	1:A:71:ARG:H	9	0.32
(1,50)	1:B:68:ASP:HA	1:B:71:ARG:H	9	0.32
(1,484)	1:A:91:LEU:HA	1:A:93:ARG:HA	18	0.32
(1,484)	1:A:91:LEU:HA	1:B:93:ARG:HA	18	0.32
(1,484)	1:B:91:LEU:HA	1:A:93:ARG:HA	18	0.32
(1,484)	1:B:91:LEU:HA	1:B:93:ARG:HA	18	0.32
(1,421)	1:A:79:ASP:HB3	1:A:80:ILE:HB	16	0.32
(1,421)	1:A:79:ASP:HB3	1:B:80:ILE:HB	16	0.32
(1,421)	1:B:79:ASP:HB3	1:A:80:ILE:HB	16	0.32
(1,421)	1:B:79:ASP:HB3	1:B:80:ILE:HB	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,316)	1:A:90:ASN:H	1:A:91:LEU:HG	4	0.32
(1,316)	1:A:90:ASN:H	1:B:91:LEU:HG	4	0.32
(1,316)	1:B:90:ASN:H	1:A:91:LEU:HG	4	0.32
(1,316)	1:B:90:ASN:H	1:B:91:LEU:HG	4	0.32
(1,275)	1:A:86:LYS:HG2	1:A:88:LEU:H	3	0.32
(1,275)	1:A:86:LYS:HG2	1:B:88:LEU:H	3	0.32
(1,275)	1:B:86:LYS:HG2	1:A:88:LEU:H	3	0.32
(1,275)	1:B:86:LYS:HG2	1:B:88:LEU:H	3	0.32
(1,275)	1:A:86:LYS:HG2	1:A:88:LEU:H	16	0.32
(1,275)	1:A:86:LYS:HG2	1:B:88:LEU:H	16	0.32
(1,275)	1:B:86:LYS:HG2	1:A:88:LEU:H	16	0.32
(1,275)	1:B:86:LYS:HG2	1:B:88:LEU:H	16	0.32
(1,977)	1:A:86:LYS:N	1:A:82:GLU:O	14	0.31
(1,977)	1:A:86:LYS:N	1:B:82:GLU:O	14	0.31
(1,977)	1:B:86:LYS:N	1:A:82:GLU:O	14	0.31
(1,977)	1:B:86:LYS:N	1:B:82:GLU:O	14	0.31
(1,977)	1:A:86:LYS:N	1:A:82:GLU:O	19	0.31
(1,977)	1:A:86:LYS:N	1:B:82:GLU:O	19	0.31
(1,977)	1:B:86:LYS:N	1:A:82:GLU:O	19	0.31
(1,977)	1:B:86:LYS:N	1:B:82:GLU:O	19	0.31
(1,957)	1:A:86:LYS:N	1:A:82:GLU:O	14	0.31
(1,957)	1:A:86:LYS:N	1:B:82:GLU:O	14	0.31
(1,957)	1:B:86:LYS:N	1:A:82:GLU:O	14	0.31
(1,957)	1:B:86:LYS:N	1:B:82:GLU:O	14	0.31
(1,957)	1:A:86:LYS:N	1:A:82:GLU:O	19	0.31
(1,957)	1:A:86:LYS:N	1:B:82:GLU:O	19	0.31
(1,957)	1:B:86:LYS:N	1:A:82:GLU:O	19	0.31
(1,957)	1:B:86:LYS:N	1:B:82:GLU:O	19	0.31
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD21	18	0.31
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD22	18	0.31
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD21	18	0.31
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD22	18	0.31
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD21	18	0.31
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD22	18	0.31
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD21	18	0.31
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD22	18	0.31
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD21	20	0.31
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD22	20	0.31
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD21	20	0.31
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD22	20	0.31
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD21	20	0.31
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD22	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD21	20	0.31
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD22	20	0.31
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD1	4	0.31
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD2	4	0.31
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD1	4	0.31
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD2	4	0.31
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD1	4	0.31
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD2	4	0.31
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD1	4	0.31
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD2	4	0.31
(1,805)	1:A:57:LEU:HD11	1:A:86:LYS:H	7	0.31
(1,805)	1:A:57:LEU:HD11	1:B:86:LYS:H	7	0.31
(1,805)	1:B:57:LEU:HD11	1:A:86:LYS:H	7	0.31
(1,805)	1:B:57:LEU:HD11	1:B:86:LYS:H	7	0.31
(1,805)	1:B:57:LEU:HD12	1:A:86:LYS:H	7	0.31
(1,805)	1:B:57:LEU:HD12	1:B:86:LYS:H	7	0.31
(1,805)	1:B:57:LEU:HD13	1:A:86:LYS:H	7	0.31
(1,805)	1:B:57:LEU:HD13	1:B:86:LYS:H	7	0.31
(1,805)	1:B:57:LEU:HD21	1:A:86:LYS:H	7	0.31
(1,805)	1:B:57:LEU:HD21	1:B:86:LYS:H	7	0.31
(1,805)	1:B:57:LEU:HD22	1:A:86:LYS:H	7	0.31
(1,805)	1:B:57:LEU:HD22	1:B:86:LYS:H	7	0.31
(1,805)	1:B:57:LEU:HD23	1:A:86:LYS:H	7	0.31
(1,805)	1:B:57:LEU:HD23	1:B:86:LYS:H	7	0.31
(1,762)	1:A:87:HIS:HD1	1:A:88:LEU:H	11	0.31
(1,762)	1:A:87:HIS:HD1	1:B:88:LEU:H	11	0.31
(1,762)	1:B:87:HIS:HD1	1:A:88:LEU:H	11	0.31
(1,762)	1:B:87:HIS:HD1	1:B:88:LEU:H	11	0.31
(1,738)	1:A:76:GLU:HA	1:A:79:ASP:HB2	8	0.31
(1,738)	1:A:76:GLU:HA	1:B:79:ASP:HB2	8	0.31
(1,738)	1:B:76:GLU:HA	1:A:79:ASP:HB2	8	0.31
(1,738)	1:B:76:GLU:HA	1:B:79:ASP:HB2	8	0.31
(1,705)	1:A:72:HIS:HA	1:A:75:LEU:HD11	20	0.31
(1,705)	1:A:72:HIS:HA	1:A:75:LEU:HD12	20	0.31
(1,705)	1:A:72:HIS:HA	1:A:75:LEU:HD13	20	0.31
(1,705)	1:A:72:HIS:HA	1:B:75:LEU:HD11	20	0.31
(1,705)	1:A:72:HIS:HA	1:B:75:LEU:HD12	20	0.31
(1,705)	1:A:72:HIS:HA	1:B:75:LEU:HD13	20	0.31
(1,705)	1:B:72:HIS:HA	1:A:75:LEU:HD11	20	0.31
(1,705)	1:B:72:HIS:HA	1:A:75:LEU:HD12	20	0.31
(1,705)	1:B:72:HIS:HA	1:A:75:LEU:HD13	20	0.31
(1,705)	1:B:72:HIS:HA	1:B:75:LEU:HD11	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,705)	1:B:72:HIS:HA	1:B:75:LEU:HD12	20	0.31
(1,705)	1:B:72:HIS:HA	1:B:75:LEU:HD13	20	0.31
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB2	19	0.31
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB3	19	0.31
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB2	19	0.31
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB3	19	0.31
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB2	19	0.31
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB3	19	0.31
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB2	19	0.31
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB3	19	0.31
(1,674)	1:A:88:LEU:HB2	1:A:91:LEU:HG	10	0.31
(1,674)	1:A:88:LEU:HB2	1:B:91:LEU:HG	10	0.31
(1,674)	1:B:88:LEU:HB2	1:A:91:LEU:HG	10	0.31
(1,674)	1:B:88:LEU:HB2	1:B:91:LEU:HG	10	0.31
(1,274)	1:A:86:LYS:HG2	1:A:89:ARG:H	4	0.31
(1,274)	1:A:86:LYS:HG2	1:B:89:ARG:H	4	0.31
(1,274)	1:B:86:LYS:HG2	1:A:89:ARG:H	4	0.31
(1,274)	1:B:86:LYS:HG2	1:B:89:ARG:H	4	0.31
(1,989)	1:A:92:GLN:N	1:A:88:LEU:O	1	0.3
(1,989)	1:A:92:GLN:N	1:B:88:LEU:O	1	0.3
(1,989)	1:B:92:GLN:N	1:A:88:LEU:O	1	0.3
(1,989)	1:B:92:GLN:N	1:B:88:LEU:O	1	0.3
(1,989)	1:A:92:GLN:N	1:A:88:LEU:O	6	0.3
(1,989)	1:A:92:GLN:N	1:B:88:LEU:O	6	0.3
(1,989)	1:B:92:GLN:N	1:A:88:LEU:O	6	0.3
(1,989)	1:B:92:GLN:N	1:B:88:LEU:O	6	0.3
(1,989)	1:A:92:GLN:N	1:A:88:LEU:O	7	0.3
(1,989)	1:A:92:GLN:N	1:B:88:LEU:O	7	0.3
(1,989)	1:B:92:GLN:N	1:A:88:LEU:O	7	0.3
(1,989)	1:B:92:GLN:N	1:B:88:LEU:O	7	0.3
(1,989)	1:A:92:GLN:N	1:A:88:LEU:O	14	0.3
(1,989)	1:A:92:GLN:N	1:B:88:LEU:O	14	0.3
(1,989)	1:B:92:GLN:N	1:A:88:LEU:O	14	0.3
(1,989)	1:B:92:GLN:N	1:B:88:LEU:O	14	0.3
(1,987)	1:A:91:LEU:N	1:A:87:HIS:O	5	0.3
(1,987)	1:A:91:LEU:N	1:B:87:HIS:O	5	0.3
(1,987)	1:B:91:LEU:N	1:A:87:HIS:O	5	0.3
(1,987)	1:B:91:LEU:N	1:B:87:HIS:O	5	0.3
(1,971)	1:A:83:MET:N	1:A:79:ASP:O	7	0.3
(1,971)	1:A:83:MET:N	1:B:79:ASP:O	7	0.3
(1,971)	1:B:83:MET:N	1:A:79:ASP:O	7	0.3
(1,971)	1:B:83:MET:N	1:B:79:ASP:O	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,971)	1:A:83:MET:N	1:A:79:ASP:O	8	0.3
(1,971)	1:A:83:MET:N	1:B:79:ASP:O	8	0.3
(1,971)	1:B:83:MET:N	1:A:79:ASP:O	8	0.3
(1,971)	1:B:83:MET:N	1:B:79:ASP:O	8	0.3
(1,96)	1:A:90:ASN:HB2	1:A:92:GLN:H	17	0.3
(1,96)	1:A:90:ASN:HB2	1:B:92:GLN:H	17	0.3
(1,96)	1:A:90:ASN:HB3	1:A:92:GLN:H	17	0.3
(1,96)	1:A:90:ASN:HB3	1:B:92:GLN:H	17	0.3
(1,96)	1:B:90:ASN:HB2	1:A:92:GLN:H	17	0.3
(1,96)	1:B:90:ASN:HB2	1:B:92:GLN:H	17	0.3
(1,96)	1:B:90:ASN:HB3	1:A:92:GLN:H	17	0.3
(1,96)	1:B:90:ASN:HB3	1:B:92:GLN:H	17	0.3
(1,951)	1:A:83:MET:N	1:A:79:ASP:O	7	0.3
(1,951)	1:A:83:MET:N	1:B:79:ASP:O	7	0.3
(1,951)	1:B:83:MET:N	1:A:79:ASP:O	7	0.3
(1,951)	1:B:83:MET:N	1:B:79:ASP:O	7	0.3
(1,951)	1:A:83:MET:N	1:A:79:ASP:O	8	0.3
(1,951)	1:A:83:MET:N	1:B:79:ASP:O	8	0.3
(1,951)	1:B:83:MET:N	1:A:79:ASP:O	8	0.3
(1,951)	1:B:83:MET:N	1:B:79:ASP:O	8	0.3
(1,937)	1:A:75:LEU:N	1:A:71:ARG:O	13	0.3
(1,937)	1:A:75:LEU:N	1:B:71:ARG:O	13	0.3
(1,937)	1:B:75:LEU:N	1:A:71:ARG:O	13	0.3
(1,937)	1:B:75:LEU:N	1:B:71:ARG:O	13	0.3
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD21	1	0.3
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD22	1	0.3
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD21	1	0.3
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD22	1	0.3
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD21	1	0.3
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD22	1	0.3
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD21	1	0.3
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD22	1	0.3
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD21	9	0.3
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD22	9	0.3
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD21	9	0.3
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD22	9	0.3
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD21	9	0.3
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD22	9	0.3
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD21	9	0.3
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD22	9	0.3
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD21	19	0.3
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD22	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD21	19	0.3
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD22	19	0.3
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD21	19	0.3
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD22	19	0.3
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD21	19	0.3
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD22	19	0.3
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD1	11	0.3
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD2	11	0.3
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD1	11	0.3
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD2	11	0.3
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD1	11	0.3
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD2	11	0.3
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD1	11	0.3
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD2	11	0.3
(1,782)	1:A:64:ALA:HB1	1:A:66:LYS:H	5	0.3
(1,782)	1:A:64:ALA:HB1	1:B:66:LYS:H	5	0.3
(1,782)	1:A:64:ALA:HB2	1:A:66:LYS:H	5	0.3
(1,782)	1:A:64:ALA:HB2	1:B:66:LYS:H	5	0.3
(1,782)	1:A:64:ALA:HB3	1:A:66:LYS:H	5	0.3
(1,782)	1:A:64:ALA:HB3	1:B:66:LYS:H	5	0.3
(1,782)	1:B:64:ALA:HB1	1:A:66:LYS:H	5	0.3
(1,782)	1:B:64:ALA:HB1	1:B:66:LYS:H	5	0.3
(1,782)	1:B:64:ALA:HB2	1:A:66:LYS:H	5	0.3
(1,782)	1:B:64:ALA:HB2	1:B:66:LYS:H	5	0.3
(1,782)	1:B:64:ALA:HB3	1:A:66:LYS:H	5	0.3
(1,782)	1:B:64:ALA:HB3	1:B:66:LYS:H	5	0.3
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD11	11	0.3
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD12	11	0.3
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD13	11	0.3
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD11	11	0.3
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD12	11	0.3
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD13	11	0.3
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD11	11	0.3
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD12	11	0.3
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD13	11	0.3
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD11	11	0.3
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD12	11	0.3
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD13	11	0.3
(1,609)	1:A:92:GLN:HB2	1:A:93:ARG:HB2	4	0.3
(1,609)	1:A:92:GLN:HB2	1:B:93:ARG:HB2	4	0.3
(1,609)	1:A:92:GLN:HB3	1:A:93:ARG:HB2	4	0.3
(1,609)	1:A:92:GLN:HB3	1:B:93:ARG:HB2	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:B:92:GLN:HB2	1:A:93:ARG:HB2	4	0.3
(1,609)	1:B:92:GLN:HB2	1:B:93:ARG:HB2	4	0.3
(1,609)	1:B:92:GLN:HB3	1:A:93:ARG:HB2	4	0.3
(1,609)	1:B:92:GLN:HB3	1:B:93:ARG:HB2	4	0.3
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD1	9	0.3
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD2	9	0.3
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD1	9	0.3
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD2	9	0.3
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD1	9	0.3
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD2	9	0.3
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD1	9	0.3
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD2	9	0.3
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD1	9	0.3
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD2	9	0.3
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD1	9	0.3
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD2	9	0.3
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD1	9	0.3
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD2	9	0.3
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD1	9	0.3
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD2	9	0.3
(1,50)	1:A:68:ASP:HA	1:A:71:ARG:H	5	0.3
(1,50)	1:A:68:ASP:HA	1:B:71:ARG:H	5	0.3
(1,50)	1:B:68:ASP:HA	1:A:71:ARG:H	5	0.3
(1,50)	1:B:68:ASP:HA	1:B:71:ARG:H	5	0.3
(1,50)	1:A:68:ASP:HA	1:A:71:ARG:H	16	0.3
(1,50)	1:A:68:ASP:HA	1:B:71:ARG:H	16	0.3
(1,50)	1:B:68:ASP:HA	1:A:71:ARG:H	16	0.3
(1,50)	1:B:68:ASP:HA	1:B:71:ARG:H	16	0.3
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD21	16	0.3
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD22	16	0.3
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD23	16	0.3
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD21	16	0.3
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD22	16	0.3
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD23	16	0.3
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD21	16	0.3
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD22	16	0.3
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD23	16	0.3
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD21	16	0.3
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD22	16	0.3
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD23	16	0.3
(1,482)	1:A:81:LEU:HA	1:A:84:THR:HB	15	0.3
(1,482)	1:A:81:LEU:HA	1:B:84:THR:HB	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,482)	1:B:81:LEU:HA	1:A:84:THR:HB	15	0.3
(1,482)	1:B:81:LEU:HA	1:B:84:THR:HB	15	0.3
(1,316)	1:A:90:ASN:H	1:A:91:LEU:HG	18	0.3
(1,316)	1:A:90:ASN:H	1:B:91:LEU:HG	18	0.3
(1,316)	1:B:90:ASN:H	1:A:91:LEU:HG	18	0.3
(1,316)	1:B:90:ASN:H	1:B:91:LEU:HG	18	0.3
(1,284)	1:A:87:HIS:HD2	1:A:88:LEU:H	20	0.3
(1,284)	1:A:87:HIS:HD2	1:B:88:LEU:H	20	0.3
(1,284)	1:B:87:HIS:HD2	1:A:88:LEU:H	20	0.3
(1,284)	1:B:87:HIS:HD2	1:B:88:LEU:H	20	0.3
(1,277)	1:A:54:LEU:HD21	1:A:80:ILE:H	20	0.3
(1,277)	1:A:54:LEU:HD21	1:B:80:ILE:H	20	0.3
(1,277)	1:B:54:LEU:HD21	1:A:80:ILE:H	20	0.3
(1,277)	1:B:54:LEU:HD21	1:B:80:ILE:H	20	0.3
(1,277)	1:B:54:LEU:HD22	1:A:80:ILE:H	20	0.3
(1,277)	1:B:54:LEU:HD22	1:B:80:ILE:H	20	0.3
(1,277)	1:B:54:LEU:HD23	1:A:80:ILE:H	20	0.3
(1,277)	1:B:54:LEU:HD23	1:B:80:ILE:H	20	0.3
(1,989)	1:A:92:GLN:N	1:A:88:LEU:O	5	0.29
(1,989)	1:A:92:GLN:N	1:B:88:LEU:O	5	0.29
(1,989)	1:B:92:GLN:N	1:A:88:LEU:O	5	0.29
(1,989)	1:B:92:GLN:N	1:B:88:LEU:O	5	0.29
(1,971)	1:A:83:MET:N	1:A:79:ASP:O	12	0.29
(1,971)	1:A:83:MET:N	1:B:79:ASP:O	12	0.29
(1,971)	1:B:83:MET:N	1:A:79:ASP:O	12	0.29
(1,971)	1:B:83:MET:N	1:B:79:ASP:O	12	0.29
(1,96)	1:A:90:ASN:HB2	1:A:92:GLN:H	10	0.29
(1,96)	1:A:90:ASN:HB2	1:B:92:GLN:H	10	0.29
(1,96)	1:A:90:ASN:HB3	1:A:92:GLN:H	10	0.29
(1,96)	1:A:90:ASN:HB3	1:B:92:GLN:H	10	0.29
(1,96)	1:B:90:ASN:HB2	1:A:92:GLN:H	10	0.29
(1,96)	1:B:90:ASN:HB2	1:B:92:GLN:H	10	0.29
(1,96)	1:B:90:ASN:HB3	1:A:92:GLN:H	10	0.29
(1,96)	1:B:90:ASN:HB3	1:B:92:GLN:H	10	0.29
(1,951)	1:A:83:MET:N	1:A:79:ASP:O	12	0.29
(1,951)	1:A:83:MET:N	1:B:79:ASP:O	12	0.29
(1,951)	1:B:83:MET:N	1:A:79:ASP:O	12	0.29
(1,951)	1:B:83:MET:N	1:B:79:ASP:O	12	0.29
(1,934)	1:A:74:LYS:H	1:A:70:SER:O	13	0.29
(1,934)	1:A:74:LYS:H	1:B:70:SER:O	13	0.29
(1,934)	1:B:74:LYS:H	1:A:70:SER:O	13	0.29
(1,934)	1:B:74:LYS:H	1:B:70:SER:O	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,934)	1:A:74:LYS:H	1:A:70:SER:O	19	0.29
(1,934)	1:A:74:LYS:H	1:B:70:SER:O	19	0.29
(1,934)	1:B:74:LYS:H	1:A:70:SER:O	19	0.29
(1,934)	1:B:74:LYS:H	1:B:70:SER:O	19	0.29
(1,934)	1:A:74:LYS:H	1:A:70:SER:O	20	0.29
(1,934)	1:A:74:LYS:H	1:B:70:SER:O	20	0.29
(1,934)	1:B:74:LYS:H	1:A:70:SER:O	20	0.29
(1,934)	1:B:74:LYS:H	1:B:70:SER:O	20	0.29
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD21	4	0.29
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD22	4	0.29
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD21	4	0.29
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD22	4	0.29
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD21	4	0.29
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD22	4	0.29
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD21	4	0.29
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD22	4	0.29
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD21	5	0.29
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD22	5	0.29
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD21	5	0.29
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD22	5	0.29
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD21	5	0.29
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD22	5	0.29
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD21	5	0.29
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD22	5	0.29
(1,831)	1:A:87:HIS:HD1	1:A:91:LEU:H	13	0.29
(1,831)	1:A:87:HIS:HD1	1:B:91:LEU:H	13	0.29
(1,831)	1:A:87:HIS:HD2	1:A:91:LEU:H	13	0.29
(1,831)	1:A:87:HIS:HD2	1:B:91:LEU:H	13	0.29
(1,831)	1:B:87:HIS:HD1	1:A:91:LEU:H	13	0.29
(1,831)	1:B:87:HIS:HD1	1:B:91:LEU:H	13	0.29
(1,831)	1:B:87:HIS:HD2	1:A:91:LEU:H	13	0.29
(1,831)	1:B:87:HIS:HD2	1:B:91:LEU:H	13	0.29
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD1	1	0.29
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD2	1	0.29
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD1	1	0.29
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD2	1	0.29
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD1	1	0.29
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD2	1	0.29
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD1	1	0.29
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD2	1	0.29
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD1	8	0.29
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD2	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD1	8	0.29
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD2	8	0.29
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD1	8	0.29
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD2	8	0.29
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD1	8	0.29
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD2	8	0.29
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB2	18	0.29
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB3	18	0.29
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB2	18	0.29
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB3	18	0.29
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB2	18	0.29
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB3	18	0.29
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB2	18	0.29
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB3	18	0.29
(1,782)	1:A:64:ALA:HB1	1:A:66:LYS:H	9	0.29
(1,782)	1:A:64:ALA:HB1	1:B:66:LYS:H	9	0.29
(1,782)	1:A:64:ALA:HB2	1:A:66:LYS:H	9	0.29
(1,782)	1:A:64:ALA:HB2	1:B:66:LYS:H	9	0.29
(1,782)	1:A:64:ALA:HB3	1:A:66:LYS:H	9	0.29
(1,782)	1:A:64:ALA:HB3	1:B:66:LYS:H	9	0.29
(1,782)	1:B:64:ALA:HB1	1:A:66:LYS:H	9	0.29
(1,782)	1:B:64:ALA:HB1	1:B:66:LYS:H	9	0.29
(1,782)	1:B:64:ALA:HB2	1:A:66:LYS:H	9	0.29
(1,782)	1:B:64:ALA:HB2	1:B:66:LYS:H	9	0.29
(1,782)	1:B:64:ALA:HB3	1:A:66:LYS:H	9	0.29
(1,782)	1:B:64:ALA:HB3	1:B:66:LYS:H	9	0.29
(1,782)	1:A:64:ALA:HB1	1:A:66:LYS:H	15	0.29
(1,782)	1:A:64:ALA:HB1	1:B:66:LYS:H	15	0.29
(1,782)	1:A:64:ALA:HB2	1:A:66:LYS:H	15	0.29
(1,782)	1:A:64:ALA:HB2	1:B:66:LYS:H	15	0.29
(1,782)	1:A:64:ALA:HB3	1:A:66:LYS:H	15	0.29
(1,782)	1:A:64:ALA:HB3	1:B:66:LYS:H	15	0.29
(1,782)	1:B:64:ALA:HB1	1:A:66:LYS:H	15	0.29
(1,782)	1:B:64:ALA:HB1	1:B:66:LYS:H	15	0.29
(1,782)	1:B:64:ALA:HB2	1:A:66:LYS:H	15	0.29
(1,782)	1:B:64:ALA:HB2	1:B:66:LYS:H	15	0.29
(1,782)	1:B:64:ALA:HB3	1:A:66:LYS:H	15	0.29
(1,782)	1:B:64:ALA:HB3	1:B:66:LYS:H	15	0.29
(1,782)	1:A:64:ALA:HB1	1:A:66:LYS:H	17	0.29
(1,782)	1:A:64:ALA:HB1	1:B:66:LYS:H	17	0.29
(1,782)	1:A:64:ALA:HB2	1:A:66:LYS:H	17	0.29
(1,782)	1:A:64:ALA:HB2	1:B:66:LYS:H	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,782)	1:A:64:ALA:HB3	1:A:66:LYS:H	17	0.29
(1,782)	1:A:64:ALA:HB3	1:B:66:LYS:H	17	0.29
(1,782)	1:B:64:ALA:HB1	1:A:66:LYS:H	17	0.29
(1,782)	1:B:64:ALA:HB1	1:B:66:LYS:H	17	0.29
(1,782)	1:B:64:ALA:HB2	1:A:66:LYS:H	17	0.29
(1,782)	1:B:64:ALA:HB2	1:B:66:LYS:H	17	0.29
(1,782)	1:B:64:ALA:HB3	1:A:66:LYS:H	17	0.29
(1,782)	1:B:64:ALA:HB3	1:B:66:LYS:H	17	0.29
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD11	19	0.29
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD12	19	0.29
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD13	19	0.29
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD11	19	0.29
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD12	19	0.29
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD13	19	0.29
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD11	19	0.29
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD12	19	0.29
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD13	19	0.29
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD11	19	0.29
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD12	19	0.29
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD13	19	0.29
(1,711)	1:A:71:ARG:HA	1:A:71:ARG:HG2	5	0.29
(1,711)	1:A:71:ARG:HA	1:B:71:ARG:HG2	5	0.29
(1,711)	1:B:71:ARG:HA	1:A:71:ARG:HG2	5	0.29
(1,711)	1:B:71:ARG:HA	1:B:71:ARG:HG2	5	0.29
(1,711)	1:A:71:ARG:HA	1:A:71:ARG:HG2	20	0.29
(1,711)	1:A:71:ARG:HA	1:B:71:ARG:HG2	20	0.29
(1,711)	1:B:71:ARG:HA	1:A:71:ARG:HG2	20	0.29
(1,711)	1:B:71:ARG:HA	1:B:71:ARG:HG2	20	0.29
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB2	11	0.29
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB3	11	0.29
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB2	11	0.29
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB3	11	0.29
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB2	11	0.29
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB3	11	0.29
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB2	11	0.29
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB3	11	0.29
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD1	3	0.29
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD2	3	0.29
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD1	3	0.29
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD2	3	0.29
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD1	3	0.29
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD2	3	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD1	3	0.29
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD2	3	0.29
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD1	3	0.29
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD2	3	0.29
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD1	3	0.29
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD2	3	0.29
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD1	3	0.29
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD2	3	0.29
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD1	3	0.29
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD2	3	0.29
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD21	1	0.29
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD22	1	0.29
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD23	1	0.29
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD21	1	0.29
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD22	1	0.29
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD23	1	0.29
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD21	1	0.29
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD22	1	0.29
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD23	1	0.29
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD21	1	0.29
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD22	1	0.29
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD23	1	0.29
(1,421)	1:A:79:ASP:HB3	1:A:80:ILE:HB	10	0.29
(1,421)	1:A:79:ASP:HB3	1:B:80:ILE:HB	10	0.29
(1,421)	1:B:79:ASP:HB3	1:A:80:ILE:HB	10	0.29
(1,421)	1:B:79:ASP:HB3	1:B:80:ILE:HB	10	0.29
(1,363)	1:A:68:ASP:HA	1:A:72:HIS:H	8	0.29
(1,363)	1:A:68:ASP:HA	1:B:72:HIS:H	8	0.29
(1,363)	1:B:68:ASP:HA	1:A:72:HIS:H	8	0.29
(1,363)	1:B:68:ASP:HA	1:B:72:HIS:H	8	0.29
(1,363)	1:A:68:ASP:HA	1:A:72:HIS:H	20	0.29
(1,363)	1:A:68:ASP:HA	1:B:72:HIS:H	20	0.29
(1,363)	1:B:68:ASP:HA	1:A:72:HIS:H	20	0.29
(1,363)	1:B:68:ASP:HA	1:B:72:HIS:H	20	0.29
(1,316)	1:A:90:ASN:H	1:A:91:LEU:HG	2	0.29
(1,316)	1:A:90:ASN:H	1:B:91:LEU:HG	2	0.29
(1,316)	1:B:90:ASN:H	1:A:91:LEU:HG	2	0.29
(1,316)	1:B:90:ASN:H	1:B:91:LEU:HG	2	0.29
(1,316)	1:A:90:ASN:H	1:A:91:LEU:HG	16	0.29
(1,316)	1:A:90:ASN:H	1:B:91:LEU:HG	16	0.29
(1,316)	1:B:90:ASN:H	1:A:91:LEU:HG	16	0.29
(1,316)	1:B:90:ASN:H	1:B:91:LEU:HG	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,275)	1:A:86:LYS:HG2	1:A:88:LEU:H	15	0.29
(1,275)	1:A:86:LYS:HG2	1:B:88:LEU:H	15	0.29
(1,275)	1:B:86:LYS:HG2	1:A:88:LEU:H	15	0.29
(1,275)	1:B:86:LYS:HG2	1:B:88:LEU:H	15	0.29
(1,274)	1:A:86:LYS:HG2	1:A:89:ARG:H	16	0.29
(1,274)	1:A:86:LYS:HG2	1:B:89:ARG:H	16	0.29
(1,274)	1:B:86:LYS:HG2	1:A:89:ARG:H	16	0.29
(1,274)	1:B:86:LYS:HG2	1:B:89:ARG:H	16	0.29
(1,189)	1:A:75:LEU:HA	1:A:79:ASP:H	8	0.29
(1,189)	1:A:75:LEU:HA	1:B:79:ASP:H	8	0.29
(1,189)	1:B:75:LEU:HA	1:A:79:ASP:H	8	0.29
(1,189)	1:B:75:LEU:HA	1:B:79:ASP:H	8	0.29
(1,979)	1:A:87:HIS:N	1:A:83:MET:O	11	0.28
(1,979)	1:A:87:HIS:N	1:B:83:MET:O	11	0.28
(1,979)	1:B:87:HIS:N	1:A:83:MET:O	11	0.28
(1,979)	1:B:87:HIS:N	1:B:83:MET:O	11	0.28
(1,971)	1:A:83:MET:N	1:A:79:ASP:O	3	0.28
(1,971)	1:A:83:MET:N	1:B:79:ASP:O	3	0.28
(1,971)	1:B:83:MET:N	1:A:79:ASP:O	3	0.28
(1,971)	1:B:83:MET:N	1:B:79:ASP:O	3	0.28
(1,959)	1:A:87:HIS:N	1:A:83:MET:O	11	0.28
(1,959)	1:A:87:HIS:N	1:B:83:MET:O	11	0.28
(1,959)	1:B:87:HIS:N	1:A:83:MET:O	11	0.28
(1,959)	1:B:87:HIS:N	1:B:83:MET:O	11	0.28
(1,951)	1:A:83:MET:N	1:A:79:ASP:O	3	0.28
(1,951)	1:A:83:MET:N	1:B:79:ASP:O	3	0.28
(1,951)	1:B:83:MET:N	1:A:79:ASP:O	3	0.28
(1,951)	1:B:83:MET:N	1:B:79:ASP:O	3	0.28
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD21	10	0.28
(1,846)	1:A:90:ASN:HA	1:A:90:ASN:HD22	10	0.28
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD21	10	0.28
(1,846)	1:A:90:ASN:HA	1:B:90:ASN:HD22	10	0.28
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD21	10	0.28
(1,846)	1:B:90:ASN:HA	1:A:90:ASN:HD22	10	0.28
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD21	10	0.28
(1,846)	1:B:90:ASN:HA	1:B:90:ASN:HD22	10	0.28
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD1	9	0.28
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD2	9	0.28
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD1	9	0.28
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD2	9	0.28
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD1	9	0.28
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD2	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD1	9	0.28
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD2	9	0.28
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD1	15	0.28
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD2	15	0.28
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD1	15	0.28
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD2	15	0.28
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD1	15	0.28
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD2	15	0.28
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD1	15	0.28
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD2	15	0.28
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD1	16	0.28
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD2	16	0.28
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD1	16	0.28
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD2	16	0.28
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD1	16	0.28
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD2	16	0.28
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD1	16	0.28
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD2	16	0.28
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD1	17	0.28
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD2	17	0.28
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD1	17	0.28
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD2	17	0.28
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD1	17	0.28
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD2	17	0.28
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD1	17	0.28
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD2	17	0.28
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB2	3	0.28
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB3	3	0.28
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB2	3	0.28
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB3	3	0.28
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB2	3	0.28
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB3	3	0.28
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB2	3	0.28
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB3	3	0.28
(1,805)	1:A:57:LEU:HD11	1:A:86:LYS:H	19	0.28
(1,805)	1:A:57:LEU:HD11	1:B:86:LYS:H	19	0.28
(1,805)	1:B:57:LEU:HD11	1:A:86:LYS:H	19	0.28
(1,805)	1:B:57:LEU:HD11	1:B:86:LYS:H	19	0.28
(1,805)	1:B:57:LEU:HD12	1:A:86:LYS:H	19	0.28
(1,805)	1:B:57:LEU:HD12	1:B:86:LYS:H	19	0.28
(1,805)	1:B:57:LEU:HD13	1:A:86:LYS:H	19	0.28
(1,805)	1:B:57:LEU:HD13	1:B:86:LYS:H	19	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:B:57:LEU:HD21	1:A:86:LYS:H	19	0.28
(1,805)	1:B:57:LEU:HD21	1:B:86:LYS:H	19	0.28
(1,805)	1:B:57:LEU:HD22	1:A:86:LYS:H	19	0.28
(1,805)	1:B:57:LEU:HD22	1:B:86:LYS:H	19	0.28
(1,805)	1:B:57:LEU:HD23	1:A:86:LYS:H	19	0.28
(1,805)	1:B:57:LEU:HD23	1:B:86:LYS:H	19	0.28
(1,782)	1:A:64:ALA:HB1	1:A:66:LYS:H	11	0.28
(1,782)	1:A:64:ALA:HB1	1:B:66:LYS:H	11	0.28
(1,782)	1:A:64:ALA:HB2	1:A:66:LYS:H	11	0.28
(1,782)	1:A:64:ALA:HB2	1:B:66:LYS:H	11	0.28
(1,782)	1:A:64:ALA:HB3	1:A:66:LYS:H	11	0.28
(1,782)	1:A:64:ALA:HB3	1:B:66:LYS:H	11	0.28
(1,782)	1:B:64:ALA:HB1	1:A:66:LYS:H	11	0.28
(1,782)	1:B:64:ALA:HB1	1:B:66:LYS:H	11	0.28
(1,782)	1:B:64:ALA:HB2	1:A:66:LYS:H	11	0.28
(1,782)	1:B:64:ALA:HB2	1:B:66:LYS:H	11	0.28
(1,782)	1:B:64:ALA:HB3	1:A:66:LYS:H	11	0.28
(1,782)	1:B:64:ALA:HB3	1:B:66:LYS:H	11	0.28
(1,782)	1:A:64:ALA:HB1	1:A:66:LYS:H	13	0.28
(1,782)	1:A:64:ALA:HB1	1:B:66:LYS:H	13	0.28
(1,782)	1:A:64:ALA:HB2	1:A:66:LYS:H	13	0.28
(1,782)	1:A:64:ALA:HB2	1:B:66:LYS:H	13	0.28
(1,782)	1:A:64:ALA:HB3	1:A:66:LYS:H	13	0.28
(1,782)	1:A:64:ALA:HB3	1:B:66:LYS:H	13	0.28
(1,782)	1:B:64:ALA:HB1	1:A:66:LYS:H	13	0.28
(1,782)	1:B:64:ALA:HB1	1:B:66:LYS:H	13	0.28
(1,782)	1:B:64:ALA:HB2	1:A:66:LYS:H	13	0.28
(1,782)	1:B:64:ALA:HB2	1:B:66:LYS:H	13	0.28
(1,782)	1:B:64:ALA:HB3	1:A:66:LYS:H	13	0.28
(1,782)	1:B:64:ALA:HB3	1:B:66:LYS:H	13	0.28
(1,768)	1:A:86:LYS:H	1:A:86:LYS:HD3	6	0.28
(1,768)	1:A:86:LYS:H	1:B:86:LYS:HD3	6	0.28
(1,768)	1:B:86:LYS:H	1:A:86:LYS:HD3	6	0.28
(1,768)	1:B:86:LYS:H	1:B:86:LYS:HD3	6	0.28
(1,768)	1:A:86:LYS:H	1:A:86:LYS:HD3	14	0.28
(1,768)	1:A:86:LYS:H	1:B:86:LYS:HD3	14	0.28
(1,768)	1:B:86:LYS:H	1:A:86:LYS:HD3	14	0.28
(1,768)	1:B:86:LYS:H	1:B:86:LYS:HD3	14	0.28
(1,738)	1:A:76:GLU:HA	1:A:79:ASP:HB2	16	0.28
(1,738)	1:A:76:GLU:HA	1:B:79:ASP:HB2	16	0.28
(1,738)	1:B:76:GLU:HA	1:A:79:ASP:HB2	16	0.28
(1,738)	1:B:76:GLU:HA	1:B:79:ASP:HB2	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,711)	1:A:71:ARG:HA	1:A:71:ARG:HG2	18	0.28
(1,711)	1:A:71:ARG:HA	1:B:71:ARG:HG2	18	0.28
(1,711)	1:B:71:ARG:HA	1:A:71:ARG:HG2	18	0.28
(1,711)	1:B:71:ARG:HA	1:B:71:ARG:HG2	18	0.28
(1,709)	1:A:86:LYS:HA	1:A:86:LYS:HD3	13	0.28
(1,709)	1:A:86:LYS:HA	1:B:86:LYS:HD3	13	0.28
(1,709)	1:B:86:LYS:HA	1:A:86:LYS:HD3	13	0.28
(1,709)	1:B:86:LYS:HA	1:B:86:LYS:HD3	13	0.28
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB2	2	0.28
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB3	2	0.28
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB2	2	0.28
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB3	2	0.28
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB2	2	0.28
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB3	2	0.28
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB2	2	0.28
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB3	2	0.28
(1,609)	1:A:92:GLN:HB2	1:A:93:ARG:HB2	13	0.28
(1,609)	1:A:92:GLN:HB2	1:B:93:ARG:HB2	13	0.28
(1,609)	1:A:92:GLN:HB3	1:A:93:ARG:HB2	13	0.28
(1,609)	1:A:92:GLN:HB3	1:B:93:ARG:HB2	13	0.28
(1,609)	1:B:92:GLN:HB2	1:A:93:ARG:HB2	13	0.28
(1,609)	1:B:92:GLN:HB2	1:B:93:ARG:HB2	13	0.28
(1,609)	1:B:92:GLN:HB3	1:A:93:ARG:HB2	13	0.28
(1,609)	1:B:92:GLN:HB3	1:B:93:ARG:HB2	13	0.28
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD1	18	0.28
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD2	18	0.28
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD1	18	0.28
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD2	18	0.28
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD1	18	0.28
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD2	18	0.28
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD1	18	0.28
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD2	18	0.28
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD1	18	0.28
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD2	18	0.28
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD1	18	0.28
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD2	18	0.28
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD1	18	0.28
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD2	18	0.28
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD1	18	0.28
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD2	18	0.28
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	7	0.28
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	7	0.28
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	7	0.28
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	7	0.28
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	7	0.28
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	7	0.28
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	7	0.28
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	7	0.28
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	7	0.28
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	7	0.28
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	7	0.28
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	8	0.28
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	8	0.28
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	8	0.28
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	8	0.28
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	8	0.28
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	8	0.28
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	8	0.28
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	8	0.28
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	8	0.28
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	8	0.28
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	8	0.28
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	8	0.28
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB2	12	0.28
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB3	12	0.28
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB2	12	0.28
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB3	12	0.28
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB2	12	0.28
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB3	12	0.28
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB2	12	0.28
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB3	12	0.28
(1,52)	1:A:71:ARG:HB2	1:A:72:HIS:H	5	0.28
(1,52)	1:A:71:ARG:HB2	1:B:72:HIS:H	5	0.28
(1,52)	1:A:71:ARG:HB3	1:A:72:HIS:H	5	0.28
(1,52)	1:A:71:ARG:HB3	1:B:72:HIS:H	5	0.28
(1,52)	1:B:71:ARG:HB2	1:A:72:HIS:H	5	0.28
(1,52)	1:B:71:ARG:HB2	1:B:72:HIS:H	5	0.28
(1,52)	1:B:71:ARG:HB3	1:A:72:HIS:H	5	0.28
(1,52)	1:B:71:ARG:HB3	1:B:72:HIS:H	5	0.28
(1,52)	1:A:71:ARG:HB2	1:A:72:HIS:H	16	0.28
(1,52)	1:A:71:ARG:HB2	1:B:72:HIS:H	16	0.28
(1,52)	1:A:71:ARG:HB3	1:A:72:HIS:H	16	0.28
(1,52)	1:A:71:ARG:HB3	1:B:72:HIS:H	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:B:71:ARG:HB2	1:A:72:HIS:H	16	0.28
(1,52)	1:B:71:ARG:HB2	1:B:72:HIS:H	16	0.28
(1,52)	1:B:71:ARG:HB3	1:A:72:HIS:H	16	0.28
(1,52)	1:B:71:ARG:HB3	1:B:72:HIS:H	16	0.28
(1,52)	1:A:71:ARG:HB2	1:A:72:HIS:H	20	0.28
(1,52)	1:A:71:ARG:HB2	1:B:72:HIS:H	20	0.28
(1,52)	1:A:71:ARG:HB3	1:A:72:HIS:H	20	0.28
(1,52)	1:A:71:ARG:HB3	1:B:72:HIS:H	20	0.28
(1,52)	1:B:71:ARG:HB2	1:A:72:HIS:H	20	0.28
(1,52)	1:B:71:ARG:HB2	1:B:72:HIS:H	20	0.28
(1,52)	1:B:71:ARG:HB3	1:A:72:HIS:H	20	0.28
(1,52)	1:B:71:ARG:HB3	1:B:72:HIS:H	20	0.28
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD21	10	0.28
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD22	10	0.28
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD23	10	0.28
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD21	10	0.28
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD22	10	0.28
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD23	10	0.28
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD21	10	0.28
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD22	10	0.28
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD23	10	0.28
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD21	10	0.28
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD22	10	0.28
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD23	10	0.28
(1,484)	1:A:91:LEU:HA	1:A:93:ARG:HA	11	0.28
(1,484)	1:A:91:LEU:HA	1:B:93:ARG:HA	11	0.28
(1,484)	1:B:91:LEU:HA	1:A:93:ARG:HA	11	0.28
(1,484)	1:B:91:LEU:HA	1:B:93:ARG:HA	11	0.28
(1,316)	1:A:90:ASN:H	1:A:91:LEU:HG	7	0.28
(1,316)	1:A:90:ASN:H	1:B:91:LEU:HG	7	0.28
(1,316)	1:B:90:ASN:H	1:A:91:LEU:HG	7	0.28
(1,316)	1:B:90:ASN:H	1:B:91:LEU:HG	7	0.28
(1,316)	1:A:90:ASN:H	1:A:91:LEU:HG	20	0.28
(1,316)	1:A:90:ASN:H	1:B:91:LEU:HG	20	0.28
(1,316)	1:B:90:ASN:H	1:A:91:LEU:HG	20	0.28
(1,316)	1:B:90:ASN:H	1:B:91:LEU:HG	20	0.28
(1,274)	1:A:86:LYS:HG2	1:A:89:ARG:H	5	0.28
(1,274)	1:A:86:LYS:HG2	1:B:89:ARG:H	5	0.28
(1,274)	1:B:86:LYS:HG2	1:A:89:ARG:H	5	0.28
(1,274)	1:B:86:LYS:HG2	1:B:89:ARG:H	5	0.28
(1,189)	1:A:75:LEU:HA	1:A:79:ASP:H	1	0.28
(1,189)	1:A:75:LEU:HA	1:B:79:ASP:H	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,189)	1:B:75:LEU:HA	1:A:79:ASP:H	1	0.28
(1,189)	1:B:75:LEU:HA	1:B:79:ASP:H	1	0.28
(1,189)	1:A:75:LEU:HA	1:A:79:ASP:H	6	0.28
(1,189)	1:A:75:LEU:HA	1:B:79:ASP:H	6	0.28
(1,189)	1:B:75:LEU:HA	1:A:79:ASP:H	6	0.28
(1,189)	1:B:75:LEU:HA	1:B:79:ASP:H	6	0.28
(1,987)	1:A:91:LEU:N	1:A:87:HIS:O	20	0.27
(1,987)	1:A:91:LEU:N	1:B:87:HIS:O	20	0.27
(1,987)	1:B:91:LEU:N	1:A:87:HIS:O	20	0.27
(1,987)	1:B:91:LEU:N	1:B:87:HIS:O	20	0.27
(1,971)	1:A:83:MET:N	1:A:79:ASP:O	11	0.27
(1,971)	1:A:83:MET:N	1:B:79:ASP:O	11	0.27
(1,971)	1:B:83:MET:N	1:A:79:ASP:O	11	0.27
(1,971)	1:B:83:MET:N	1:B:79:ASP:O	11	0.27
(1,951)	1:A:83:MET:N	1:A:79:ASP:O	11	0.27
(1,951)	1:A:83:MET:N	1:B:79:ASP:O	11	0.27
(1,951)	1:B:83:MET:N	1:A:79:ASP:O	11	0.27
(1,951)	1:B:83:MET:N	1:B:79:ASP:O	11	0.27
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD1	6	0.27
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD2	6	0.27
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD1	6	0.27
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD2	6	0.27
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD1	6	0.27
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD2	6	0.27
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD1	6	0.27
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD2	6	0.27
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD1	18	0.27
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD2	18	0.27
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD1	18	0.27
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD2	18	0.27
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD1	18	0.27
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD2	18	0.27
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD1	18	0.27
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD2	18	0.27
(1,805)	1:A:57:LEU:HD11	1:A:86:LYS:H	2	0.27
(1,805)	1:A:57:LEU:HD11	1:B:86:LYS:H	2	0.27
(1,805)	1:B:57:LEU:HD11	1:A:86:LYS:H	2	0.27
(1,805)	1:B:57:LEU:HD11	1:B:86:LYS:H	2	0.27
(1,805)	1:B:57:LEU:HD12	1:A:86:LYS:H	2	0.27
(1,805)	1:B:57:LEU:HD12	1:B:86:LYS:H	2	0.27
(1,805)	1:B:57:LEU:HD13	1:A:86:LYS:H	2	0.27
(1,805)	1:B:57:LEU:HD13	1:B:86:LYS:H	2	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:B:57:LEU:HD21	1:A:86:LYS:H	2	0.27
(1,805)	1:B:57:LEU:HD21	1:B:86:LYS:H	2	0.27
(1,805)	1:B:57:LEU:HD22	1:A:86:LYS:H	2	0.27
(1,805)	1:B:57:LEU:HD22	1:B:86:LYS:H	2	0.27
(1,805)	1:B:57:LEU:HD23	1:A:86:LYS:H	2	0.27
(1,805)	1:B:57:LEU:HD23	1:B:86:LYS:H	2	0.27
(1,782)	1:A:64:ALA:HB1	1:A:66:LYS:H	6	0.27
(1,782)	1:A:64:ALA:HB1	1:B:66:LYS:H	6	0.27
(1,782)	1:A:64:ALA:HB2	1:A:66:LYS:H	6	0.27
(1,782)	1:A:64:ALA:HB2	1:B:66:LYS:H	6	0.27
(1,782)	1:A:64:ALA:HB3	1:A:66:LYS:H	6	0.27
(1,782)	1:A:64:ALA:HB3	1:B:66:LYS:H	6	0.27
(1,782)	1:B:64:ALA:HB1	1:A:66:LYS:H	6	0.27
(1,782)	1:B:64:ALA:HB1	1:B:66:LYS:H	6	0.27
(1,782)	1:B:64:ALA:HB2	1:A:66:LYS:H	6	0.27
(1,782)	1:B:64:ALA:HB2	1:B:66:LYS:H	6	0.27
(1,782)	1:B:64:ALA:HB3	1:A:66:LYS:H	6	0.27
(1,782)	1:B:64:ALA:HB3	1:B:66:LYS:H	6	0.27
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD11	16	0.27
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD12	16	0.27
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD13	16	0.27
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD11	16	0.27
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD12	16	0.27
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD13	16	0.27
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD11	16	0.27
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD12	16	0.27
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD13	16	0.27
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD11	16	0.27
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD12	16	0.27
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD13	16	0.27
(1,738)	1:A:76:GLU:HA	1:A:79:ASP:HB2	4	0.27
(1,738)	1:A:76:GLU:HA	1:B:79:ASP:HB2	4	0.27
(1,738)	1:B:76:GLU:HA	1:A:79:ASP:HB2	4	0.27
(1,738)	1:B:76:GLU:HA	1:B:79:ASP:HB2	4	0.27
(1,738)	1:A:76:GLU:HA	1:A:79:ASP:HB2	18	0.27
(1,738)	1:A:76:GLU:HA	1:B:79:ASP:HB2	18	0.27
(1,738)	1:B:76:GLU:HA	1:A:79:ASP:HB2	18	0.27
(1,738)	1:B:76:GLU:HA	1:B:79:ASP:HB2	18	0.27
(1,711)	1:A:71:ARG:HA	1:A:71:ARG:HG2	1	0.27
(1,711)	1:A:71:ARG:HA	1:B:71:ARG:HG2	1	0.27
(1,711)	1:B:71:ARG:HA	1:A:71:ARG:HG2	1	0.27
(1,711)	1:B:71:ARG:HA	1:B:71:ARG:HG2	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,711)	1:A:71:ARG:HA	1:A:71:ARG:HG2	9	0.27
(1,711)	1:A:71:ARG:HA	1:B:71:ARG:HG2	9	0.27
(1,711)	1:B:71:ARG:HA	1:A:71:ARG:HG2	9	0.27
(1,711)	1:B:71:ARG:HA	1:B:71:ARG:HG2	9	0.27
(1,711)	1:A:71:ARG:HA	1:A:71:ARG:HG2	16	0.27
(1,711)	1:A:71:ARG:HA	1:B:71:ARG:HG2	16	0.27
(1,711)	1:B:71:ARG:HA	1:A:71:ARG:HG2	16	0.27
(1,711)	1:B:71:ARG:HA	1:B:71:ARG:HG2	16	0.27
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB2	9	0.27
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB3	9	0.27
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB2	9	0.27
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB3	9	0.27
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB2	9	0.27
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB3	9	0.27
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB2	9	0.27
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB3	9	0.27
(1,609)	1:A:92:GLN:HB2	1:A:93:ARG:HB2	16	0.27
(1,609)	1:A:92:GLN:HB2	1:B:93:ARG:HB2	16	0.27
(1,609)	1:A:92:GLN:HB3	1:A:93:ARG:HB2	16	0.27
(1,609)	1:A:92:GLN:HB3	1:B:93:ARG:HB2	16	0.27
(1,609)	1:B:92:GLN:HB2	1:A:93:ARG:HB2	16	0.27
(1,609)	1:B:92:GLN:HB2	1:B:93:ARG:HB2	16	0.27
(1,609)	1:B:92:GLN:HB3	1:A:93:ARG:HB2	16	0.27
(1,609)	1:B:92:GLN:HB3	1:B:93:ARG:HB2	16	0.27
(1,52)	1:A:71:ARG:HB2	1:A:72:HIS:H	9	0.27
(1,52)	1:A:71:ARG:HB2	1:B:72:HIS:H	9	0.27
(1,52)	1:A:71:ARG:HB3	1:A:72:HIS:H	9	0.27
(1,52)	1:A:71:ARG:HB3	1:B:72:HIS:H	9	0.27
(1,52)	1:B:71:ARG:HB2	1:A:72:HIS:H	9	0.27
(1,52)	1:B:71:ARG:HB2	1:B:72:HIS:H	9	0.27
(1,52)	1:B:71:ARG:HB3	1:A:72:HIS:H	9	0.27
(1,52)	1:B:71:ARG:HB3	1:B:72:HIS:H	9	0.27
(1,52)	1:A:71:ARG:HB2	1:A:72:HIS:H	12	0.27
(1,52)	1:A:71:ARG:HB2	1:B:72:HIS:H	12	0.27
(1,52)	1:A:71:ARG:HB3	1:A:72:HIS:H	12	0.27
(1,52)	1:A:71:ARG:HB3	1:B:72:HIS:H	12	0.27
(1,52)	1:B:71:ARG:HB2	1:A:72:HIS:H	12	0.27
(1,52)	1:B:71:ARG:HB2	1:B:72:HIS:H	12	0.27
(1,52)	1:B:71:ARG:HB3	1:A:72:HIS:H	12	0.27
(1,52)	1:B:71:ARG:HB3	1:B:72:HIS:H	12	0.27
(1,52)	1:A:71:ARG:HB2	1:A:72:HIS:H	14	0.27
(1,52)	1:A:71:ARG:HB2	1:B:72:HIS:H	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:A:71:ARG:HB3	1:A:72:HIS:H	14	0.27
(1,52)	1:A:71:ARG:HB3	1:B:72:HIS:H	14	0.27
(1,52)	1:B:71:ARG:HB2	1:A:72:HIS:H	14	0.27
(1,52)	1:B:71:ARG:HB2	1:B:72:HIS:H	14	0.27
(1,52)	1:B:71:ARG:HB3	1:A:72:HIS:H	14	0.27
(1,52)	1:B:71:ARG:HB3	1:B:72:HIS:H	14	0.27
(1,52)	1:A:71:ARG:HB2	1:A:72:HIS:H	15	0.27
(1,52)	1:A:71:ARG:HB2	1:B:72:HIS:H	15	0.27
(1,52)	1:A:71:ARG:HB3	1:A:72:HIS:H	15	0.27
(1,52)	1:A:71:ARG:HB3	1:B:72:HIS:H	15	0.27
(1,52)	1:B:71:ARG:HB2	1:A:72:HIS:H	15	0.27
(1,52)	1:B:71:ARG:HB2	1:B:72:HIS:H	15	0.27
(1,52)	1:B:71:ARG:HB3	1:A:72:HIS:H	15	0.27
(1,52)	1:B:71:ARG:HB3	1:B:72:HIS:H	15	0.27
(1,50)	1:A:68:ASP:HA	1:A:71:ARG:H	17	0.27
(1,50)	1:A:68:ASP:HA	1:B:71:ARG:H	17	0.27
(1,50)	1:B:68:ASP:HA	1:A:71:ARG:H	17	0.27
(1,50)	1:B:68:ASP:HA	1:B:71:ARG:H	17	0.27
(1,420)	1:A:87:HIS:HD2	1:A:91:LEU:HA	2	0.27
(1,420)	1:A:87:HIS:HD2	1:B:91:LEU:HA	2	0.27
(1,420)	1:B:87:HIS:HD2	1:A:91:LEU:HA	2	0.27
(1,420)	1:B:87:HIS:HD2	1:B:91:LEU:HA	2	0.27
(1,363)	1:A:68:ASP:HA	1:A:72:HIS:H	14	0.27
(1,363)	1:A:68:ASP:HA	1:B:72:HIS:H	14	0.27
(1,363)	1:B:68:ASP:HA	1:A:72:HIS:H	14	0.27
(1,363)	1:B:68:ASP:HA	1:B:72:HIS:H	14	0.27
(1,363)	1:A:68:ASP:HA	1:A:72:HIS:H	16	0.27
(1,363)	1:A:68:ASP:HA	1:B:72:HIS:H	16	0.27
(1,363)	1:B:68:ASP:HA	1:A:72:HIS:H	16	0.27
(1,363)	1:B:68:ASP:HA	1:B:72:HIS:H	16	0.27
(1,316)	1:A:90:ASN:H	1:A:91:LEU:HG	5	0.27
(1,316)	1:A:90:ASN:H	1:B:91:LEU:HG	5	0.27
(1,316)	1:B:90:ASN:H	1:A:91:LEU:HG	5	0.27
(1,316)	1:B:90:ASN:H	1:B:91:LEU:HG	5	0.27
(1,316)	1:A:90:ASN:H	1:A:91:LEU:HG	17	0.27
(1,316)	1:A:90:ASN:H	1:B:91:LEU:HG	17	0.27
(1,316)	1:B:90:ASN:H	1:A:91:LEU:HG	17	0.27
(1,316)	1:B:90:ASN:H	1:B:91:LEU:HG	17	0.27
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD11	8	0.27
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD12	8	0.27
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD13	8	0.27
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD11	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD12	8	0.27
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD13	8	0.27
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD11	8	0.27
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD12	8	0.27
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD13	8	0.27
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD11	8	0.27
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD12	8	0.27
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD13	8	0.27
(1,274)	1:A:86:LYS:HG2	1:A:89:ARG:H	17	0.27
(1,274)	1:A:86:LYS:HG2	1:B:89:ARG:H	17	0.27
(1,274)	1:B:86:LYS:HG2	1:A:89:ARG:H	17	0.27
(1,274)	1:B:86:LYS:HG2	1:B:89:ARG:H	17	0.27
(1,991)	1:A:93:ARG:N	1:A:89:ARG:O	3	0.26
(1,991)	1:A:93:ARG:N	1:B:89:ARG:O	3	0.26
(1,991)	1:B:93:ARG:N	1:A:89:ARG:O	3	0.26
(1,991)	1:B:93:ARG:N	1:B:89:ARG:O	3	0.26
(1,991)	1:A:93:ARG:N	1:A:89:ARG:O	18	0.26
(1,991)	1:A:93:ARG:N	1:B:89:ARG:O	18	0.26
(1,991)	1:B:93:ARG:N	1:A:89:ARG:O	18	0.26
(1,991)	1:B:93:ARG:N	1:B:89:ARG:O	18	0.26
(1,989)	1:A:92:GLN:N	1:A:88:LEU:O	12	0.26
(1,989)	1:A:92:GLN:N	1:B:88:LEU:O	12	0.26
(1,989)	1:B:92:GLN:N	1:A:88:LEU:O	12	0.26
(1,989)	1:B:92:GLN:N	1:B:88:LEU:O	12	0.26
(1,989)	1:A:92:GLN:N	1:A:88:LEU:O	16	0.26
(1,989)	1:A:92:GLN:N	1:B:88:LEU:O	16	0.26
(1,989)	1:B:92:GLN:N	1:A:88:LEU:O	16	0.26
(1,989)	1:B:92:GLN:N	1:B:88:LEU:O	16	0.26
(1,987)	1:A:91:LEU:N	1:A:87:HIS:O	19	0.26
(1,987)	1:A:91:LEU:N	1:B:87:HIS:O	19	0.26
(1,987)	1:B:91:LEU:N	1:A:87:HIS:O	19	0.26
(1,987)	1:B:91:LEU:N	1:B:87:HIS:O	19	0.26
(1,981)	1:A:88:LEU:N	1:A:84:THR:O	5	0.26
(1,981)	1:A:88:LEU:N	1:B:84:THR:O	5	0.26
(1,981)	1:B:88:LEU:N	1:A:84:THR:O	5	0.26
(1,981)	1:B:88:LEU:N	1:B:84:THR:O	5	0.26
(1,971)	1:A:83:MET:N	1:A:79:ASP:O	6	0.26
(1,971)	1:A:83:MET:N	1:B:79:ASP:O	6	0.26
(1,971)	1:B:83:MET:N	1:A:79:ASP:O	6	0.26
(1,971)	1:B:83:MET:N	1:B:79:ASP:O	6	0.26
(1,961)	1:A:88:LEU:N	1:A:84:THR:O	5	0.26
(1,961)	1:A:88:LEU:N	1:B:84:THR:O	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:B:88:LEU:N	1:A:84:THR:O	5	0.26
(1,961)	1:B:88:LEU:N	1:B:84:THR:O	5	0.26
(1,951)	1:A:83:MET:N	1:A:79:ASP:O	6	0.26
(1,951)	1:A:83:MET:N	1:B:79:ASP:O	6	0.26
(1,951)	1:B:83:MET:N	1:A:79:ASP:O	6	0.26
(1,951)	1:B:83:MET:N	1:B:79:ASP:O	6	0.26
(1,945)	1:A:80:ILE:N	1:A:76:GLU:O	14	0.26
(1,945)	1:A:80:ILE:N	1:B:76:GLU:O	14	0.26
(1,945)	1:B:80:ILE:N	1:A:76:GLU:O	14	0.26
(1,945)	1:B:80:ILE:N	1:B:76:GLU:O	14	0.26
(1,945)	1:A:80:ILE:N	1:A:76:GLU:O	19	0.26
(1,945)	1:A:80:ILE:N	1:B:76:GLU:O	19	0.26
(1,945)	1:B:80:ILE:N	1:A:76:GLU:O	19	0.26
(1,945)	1:B:80:ILE:N	1:B:76:GLU:O	19	0.26
(1,935)	1:A:74:LYS:N	1:A:70:SER:O	9	0.26
(1,935)	1:A:74:LYS:N	1:B:70:SER:O	9	0.26
(1,935)	1:B:74:LYS:N	1:A:70:SER:O	9	0.26
(1,935)	1:B:74:LYS:N	1:B:70:SER:O	9	0.26
(1,768)	1:A:86:LYS:H	1:A:86:LYS:HD3	17	0.26
(1,768)	1:A:86:LYS:H	1:B:86:LYS:HD3	17	0.26
(1,768)	1:B:86:LYS:H	1:A:86:LYS:HD3	17	0.26
(1,768)	1:B:86:LYS:H	1:B:86:LYS:HD3	17	0.26
(1,711)	1:A:71:ARG:HA	1:A:71:ARG:HG2	3	0.26
(1,711)	1:A:71:ARG:HA	1:B:71:ARG:HG2	3	0.26
(1,711)	1:B:71:ARG:HA	1:A:71:ARG:HG2	3	0.26
(1,711)	1:B:71:ARG:HA	1:B:71:ARG:HG2	3	0.26
(1,711)	1:A:71:ARG:HA	1:A:71:ARG:HG2	12	0.26
(1,711)	1:A:71:ARG:HA	1:B:71:ARG:HG2	12	0.26
(1,711)	1:B:71:ARG:HA	1:A:71:ARG:HG2	12	0.26
(1,711)	1:B:71:ARG:HA	1:B:71:ARG:HG2	12	0.26
(1,711)	1:A:71:ARG:HA	1:A:71:ARG:HG2	15	0.26
(1,711)	1:A:71:ARG:HA	1:B:71:ARG:HG2	15	0.26
(1,711)	1:B:71:ARG:HA	1:A:71:ARG:HG2	15	0.26
(1,711)	1:B:71:ARG:HA	1:B:71:ARG:HG2	15	0.26
(1,709)	1:A:86:LYS:HA	1:A:86:LYS:HD3	7	0.26
(1,709)	1:A:86:LYS:HA	1:B:86:LYS:HD3	7	0.26
(1,709)	1:B:86:LYS:HA	1:A:86:LYS:HD3	7	0.26
(1,709)	1:B:86:LYS:HA	1:B:86:LYS:HD3	7	0.26
(1,709)	1:A:86:LYS:HA	1:A:86:LYS:HD3	20	0.26
(1,709)	1:A:86:LYS:HA	1:B:86:LYS:HD3	20	0.26
(1,709)	1:B:86:LYS:HA	1:A:86:LYS:HD3	20	0.26
(1,709)	1:B:86:LYS:HA	1:B:86:LYS:HD3	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD1	13	0.26
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD2	13	0.26
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD1	13	0.26
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD2	13	0.26
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD1	13	0.26
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD2	13	0.26
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD1	13	0.26
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD2	13	0.26
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD1	13	0.26
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD2	13	0.26
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD1	13	0.26
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD2	13	0.26
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD1	13	0.26
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD2	13	0.26
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD1	13	0.26
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD2	13	0.26
(1,421)	1:A:79:ASP:HB3	1:A:80:ILE:HB	9	0.26
(1,421)	1:A:79:ASP:HB3	1:B:80:ILE:HB	9	0.26
(1,421)	1:B:79:ASP:HB3	1:A:80:ILE:HB	9	0.26
(1,421)	1:B:79:ASP:HB3	1:B:80:ILE:HB	9	0.26
(1,363)	1:A:68:ASP:HA	1:A:72:HIS:H	3	0.26
(1,363)	1:A:68:ASP:HA	1:B:72:HIS:H	3	0.26
(1,363)	1:B:68:ASP:HA	1:A:72:HIS:H	3	0.26
(1,363)	1:B:68:ASP:HA	1:B:72:HIS:H	3	0.26
(1,363)	1:A:68:ASP:HA	1:A:72:HIS:H	4	0.26
(1,363)	1:A:68:ASP:HA	1:B:72:HIS:H	4	0.26
(1,363)	1:B:68:ASP:HA	1:A:72:HIS:H	4	0.26
(1,363)	1:B:68:ASP:HA	1:B:72:HIS:H	4	0.26
(1,363)	1:A:68:ASP:HA	1:A:72:HIS:H	12	0.26
(1,363)	1:A:68:ASP:HA	1:B:72:HIS:H	12	0.26
(1,363)	1:B:68:ASP:HA	1:A:72:HIS:H	12	0.26
(1,363)	1:B:68:ASP:HA	1:B:72:HIS:H	12	0.26
(1,363)	1:A:68:ASP:HA	1:A:72:HIS:H	18	0.26
(1,363)	1:A:68:ASP:HA	1:B:72:HIS:H	18	0.26
(1,363)	1:B:68:ASP:HA	1:A:72:HIS:H	18	0.26
(1,363)	1:B:68:ASP:HA	1:B:72:HIS:H	18	0.26
(1,316)	1:A:90:ASN:H	1:A:91:LEU:HG	12	0.26
(1,316)	1:A:90:ASN:H	1:B:91:LEU:HG	12	0.26
(1,316)	1:B:90:ASN:H	1:A:91:LEU:HG	12	0.26
(1,316)	1:B:90:ASN:H	1:B:91:LEU:HG	12	0.26
(1,275)	1:A:86:LYS:HG2	1:A:88:LEU:H	8	0.26
(1,275)	1:A:86:LYS:HG2	1:B:88:LEU:H	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,275)	1:B:86:LYS:HG2	1:A:88:LEU:H	8	0.26
(1,275)	1:B:86:LYS:HG2	1:B:88:LEU:H	8	0.26
(1,189)	1:A:75:LEU:HA	1:A:79:ASP:H	18	0.26
(1,189)	1:A:75:LEU:HA	1:B:79:ASP:H	18	0.26
(1,189)	1:B:75:LEU:HA	1:A:79:ASP:H	18	0.26
(1,189)	1:B:75:LEU:HA	1:B:79:ASP:H	18	0.26
(1,989)	1:A:92:GLN:N	1:A:88:LEU:O	8	0.25
(1,989)	1:A:92:GLN:N	1:B:88:LEU:O	8	0.25
(1,989)	1:B:92:GLN:N	1:A:88:LEU:O	8	0.25
(1,989)	1:B:92:GLN:N	1:B:88:LEU:O	8	0.25
(1,987)	1:A:91:LEU:N	1:A:87:HIS:O	1	0.25
(1,987)	1:A:91:LEU:N	1:B:87:HIS:O	1	0.25
(1,987)	1:B:91:LEU:N	1:A:87:HIS:O	1	0.25
(1,987)	1:B:91:LEU:N	1:B:87:HIS:O	1	0.25
(1,987)	1:A:91:LEU:N	1:A:87:HIS:O	6	0.25
(1,987)	1:A:91:LEU:N	1:B:87:HIS:O	6	0.25
(1,987)	1:B:91:LEU:N	1:A:87:HIS:O	6	0.25
(1,987)	1:B:91:LEU:N	1:B:87:HIS:O	6	0.25
(1,987)	1:A:91:LEU:N	1:A:87:HIS:O	15	0.25
(1,987)	1:A:91:LEU:N	1:B:87:HIS:O	15	0.25
(1,987)	1:B:91:LEU:N	1:A:87:HIS:O	15	0.25
(1,987)	1:B:91:LEU:N	1:B:87:HIS:O	15	0.25
(1,979)	1:A:87:HIS:N	1:A:83:MET:O	12	0.25
(1,979)	1:A:87:HIS:N	1:B:83:MET:O	12	0.25
(1,979)	1:B:87:HIS:N	1:A:83:MET:O	12	0.25
(1,979)	1:B:87:HIS:N	1:B:83:MET:O	12	0.25
(1,971)	1:A:83:MET:N	1:A:79:ASP:O	2	0.25
(1,971)	1:A:83:MET:N	1:B:79:ASP:O	2	0.25
(1,971)	1:B:83:MET:N	1:A:79:ASP:O	2	0.25
(1,971)	1:B:83:MET:N	1:B:79:ASP:O	2	0.25
(1,959)	1:A:87:HIS:N	1:A:83:MET:O	12	0.25
(1,959)	1:A:87:HIS:N	1:B:83:MET:O	12	0.25
(1,959)	1:B:87:HIS:N	1:A:83:MET:O	12	0.25
(1,959)	1:B:87:HIS:N	1:B:83:MET:O	12	0.25
(1,951)	1:A:83:MET:N	1:A:79:ASP:O	2	0.25
(1,951)	1:A:83:MET:N	1:B:79:ASP:O	2	0.25
(1,951)	1:B:83:MET:N	1:A:79:ASP:O	2	0.25
(1,951)	1:B:83:MET:N	1:B:79:ASP:O	2	0.25
(1,945)	1:A:80:ILE:N	1:A:76:GLU:O	7	0.25
(1,945)	1:A:80:ILE:N	1:B:76:GLU:O	7	0.25
(1,945)	1:B:80:ILE:N	1:A:76:GLU:O	7	0.25
(1,945)	1:B:80:ILE:N	1:B:76:GLU:O	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,945)	1:A:80:ILE:N	1:A:76:GLU:O	12	0.25
(1,945)	1:A:80:ILE:N	1:B:76:GLU:O	12	0.25
(1,945)	1:B:80:ILE:N	1:A:76:GLU:O	12	0.25
(1,945)	1:B:80:ILE:N	1:B:76:GLU:O	12	0.25
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD1	2	0.25
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD2	2	0.25
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD1	2	0.25
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD2	2	0.25
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD1	2	0.25
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD2	2	0.25
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD1	2	0.25
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD2	2	0.25
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD1	7	0.25
(1,826)	1:A:87:HIS:H	1:A:87:HIS:HD2	7	0.25
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD1	7	0.25
(1,826)	1:A:87:HIS:H	1:B:87:HIS:HD2	7	0.25
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD1	7	0.25
(1,826)	1:B:87:HIS:H	1:A:87:HIS:HD2	7	0.25
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD1	7	0.25
(1,826)	1:B:87:HIS:H	1:B:87:HIS:HD2	7	0.25
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB2	11	0.25
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB3	11	0.25
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB2	11	0.25
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB3	11	0.25
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB2	11	0.25
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB3	11	0.25
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB2	11	0.25
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB3	11	0.25
(1,782)	1:A:64:ALA:HB1	1:A:66:LYS:H	1	0.25
(1,782)	1:A:64:ALA:HB1	1:B:66:LYS:H	1	0.25
(1,782)	1:A:64:ALA:HB2	1:A:66:LYS:H	1	0.25
(1,782)	1:A:64:ALA:HB2	1:B:66:LYS:H	1	0.25
(1,782)	1:A:64:ALA:HB3	1:A:66:LYS:H	1	0.25
(1,782)	1:A:64:ALA:HB3	1:B:66:LYS:H	1	0.25
(1,782)	1:B:64:ALA:HB1	1:A:66:LYS:H	1	0.25
(1,782)	1:B:64:ALA:HB1	1:B:66:LYS:H	1	0.25
(1,782)	1:B:64:ALA:HB2	1:A:66:LYS:H	1	0.25
(1,782)	1:B:64:ALA:HB2	1:B:66:LYS:H	1	0.25
(1,782)	1:B:64:ALA:HB3	1:A:66:LYS:H	1	0.25
(1,782)	1:B:64:ALA:HB3	1:B:66:LYS:H	1	0.25
(1,768)	1:A:86:LYS:H	1:A:86:LYS:HD3	7	0.25
(1,768)	1:A:86:LYS:H	1:B:86:LYS:HD3	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,768)	1:B:86:LYS:H	1:A:86:LYS:HD3	7	0.25
(1,768)	1:B:86:LYS:H	1:B:86:LYS:HD3	7	0.25
(1,768)	1:A:86:LYS:H	1:A:86:LYS:HD3	9	0.25
(1,768)	1:A:86:LYS:H	1:B:86:LYS:HD3	9	0.25
(1,768)	1:B:86:LYS:H	1:A:86:LYS:HD3	9	0.25
(1,768)	1:B:86:LYS:H	1:B:86:LYS:HD3	9	0.25
(1,768)	1:A:86:LYS:H	1:A:86:LYS:HD3	20	0.25
(1,768)	1:A:86:LYS:H	1:B:86:LYS:HD3	20	0.25
(1,768)	1:B:86:LYS:H	1:A:86:LYS:HD3	20	0.25
(1,768)	1:B:86:LYS:H	1:B:86:LYS:HD3	20	0.25
(1,754)	1:A:86:LYS:HD3	1:A:87:HIS:H	13	0.25
(1,754)	1:A:86:LYS:HD3	1:B:87:HIS:H	13	0.25
(1,754)	1:B:86:LYS:HD3	1:A:87:HIS:H	13	0.25
(1,754)	1:B:86:LYS:HD3	1:B:87:HIS:H	13	0.25
(1,738)	1:A:76:GLU:HA	1:A:79:ASP:HB2	17	0.25
(1,738)	1:A:76:GLU:HA	1:B:79:ASP:HB2	17	0.25
(1,738)	1:B:76:GLU:HA	1:A:79:ASP:HB2	17	0.25
(1,738)	1:B:76:GLU:HA	1:B:79:ASP:HB2	17	0.25
(1,711)	1:A:71:ARG:HA	1:A:71:ARG:HG2	11	0.25
(1,711)	1:A:71:ARG:HA	1:B:71:ARG:HG2	11	0.25
(1,711)	1:B:71:ARG:HA	1:A:71:ARG:HG2	11	0.25
(1,711)	1:B:71:ARG:HA	1:B:71:ARG:HG2	11	0.25
(1,711)	1:A:71:ARG:HA	1:A:71:ARG:HG2	14	0.25
(1,711)	1:A:71:ARG:HA	1:B:71:ARG:HG2	14	0.25
(1,711)	1:B:71:ARG:HA	1:A:71:ARG:HG2	14	0.25
(1,711)	1:B:71:ARG:HA	1:B:71:ARG:HG2	14	0.25
(1,709)	1:A:86:LYS:HA	1:A:86:LYS:HD3	17	0.25
(1,709)	1:A:86:LYS:HA	1:B:86:LYS:HD3	17	0.25
(1,709)	1:B:86:LYS:HA	1:A:86:LYS:HD3	17	0.25
(1,709)	1:B:86:LYS:HA	1:B:86:LYS:HD3	17	0.25
(1,598)	1:A:66:LYS:HB2	1:A:67:LYS:HG2	13	0.25
(1,598)	1:A:66:LYS:HB2	1:B:67:LYS:HG2	13	0.25
(1,598)	1:A:66:LYS:HB3	1:A:67:LYS:HG2	13	0.25
(1,598)	1:A:66:LYS:HB3	1:B:67:LYS:HG2	13	0.25
(1,598)	1:B:66:LYS:HB2	1:A:67:LYS:HG2	13	0.25
(1,598)	1:B:66:LYS:HB2	1:B:67:LYS:HG2	13	0.25
(1,598)	1:B:66:LYS:HB3	1:A:67:LYS:HG2	13	0.25
(1,598)	1:B:66:LYS:HB3	1:B:67:LYS:HG2	13	0.25
(1,582)	1:A:76:GLU:HB3	1:A:79:ASP:HB3	2	0.25
(1,582)	1:A:76:GLU:HB3	1:B:79:ASP:HB3	2	0.25
(1,582)	1:B:76:GLU:HB3	1:A:79:ASP:HB3	2	0.25
(1,582)	1:B:76:GLU:HB3	1:B:79:ASP:HB3	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB2	4	0.25
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB3	4	0.25
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB2	4	0.25
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB3	4	0.25
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB2	4	0.25
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB3	4	0.25
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB2	4	0.25
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB3	4	0.25
(1,499)	1:A:65:LEU:HA	1:A:67:LYS:H	9	0.25
(1,499)	1:A:65:LEU:HA	1:B:67:LYS:H	9	0.25
(1,499)	1:B:65:LEU:HA	1:A:67:LYS:H	9	0.25
(1,499)	1:B:65:LEU:HA	1:B:67:LYS:H	9	0.25
(1,421)	1:A:79:ASP:HB3	1:A:80:ILE:HB	4	0.25
(1,421)	1:A:79:ASP:HB3	1:B:80:ILE:HB	4	0.25
(1,421)	1:B:79:ASP:HB3	1:A:80:ILE:HB	4	0.25
(1,421)	1:B:79:ASP:HB3	1:B:80:ILE:HB	4	0.25
(1,421)	1:A:79:ASP:HB3	1:A:80:ILE:HB	8	0.25
(1,421)	1:A:79:ASP:HB3	1:B:80:ILE:HB	8	0.25
(1,421)	1:B:79:ASP:HB3	1:A:80:ILE:HB	8	0.25
(1,421)	1:B:79:ASP:HB3	1:B:80:ILE:HB	8	0.25
(1,316)	1:A:90:ASN:H	1:A:91:LEU:HG	15	0.25
(1,316)	1:A:90:ASN:H	1:B:91:LEU:HG	15	0.25
(1,316)	1:B:90:ASN:H	1:A:91:LEU:HG	15	0.25
(1,316)	1:B:90:ASN:H	1:B:91:LEU:HG	15	0.25
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD11	20	0.25
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD12	20	0.25
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD13	20	0.25
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD11	20	0.25
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD12	20	0.25
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD13	20	0.25
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD11	20	0.25
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD12	20	0.25
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD13	20	0.25
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD11	20	0.25
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD12	20	0.25
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD13	20	0.25
(1,274)	1:A:86:LYS:HG2	1:A:89:ARG:H	1	0.25
(1,274)	1:A:86:LYS:HG2	1:B:89:ARG:H	1	0.25
(1,274)	1:B:86:LYS:HG2	1:A:89:ARG:H	1	0.25
(1,274)	1:B:86:LYS:HG2	1:B:89:ARG:H	1	0.25
(1,274)	1:A:86:LYS:HG2	1:A:89:ARG:H	9	0.25
(1,274)	1:A:86:LYS:HG2	1:B:89:ARG:H	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,274)	1:B:86:LYS:HG2	1:A:89:ARG:H	9	0.25
(1,274)	1:B:86:LYS:HG2	1:B:89:ARG:H	9	0.25
(1,989)	1:A:92:GLN:N	1:A:88:LEU:O	3	0.24
(1,989)	1:A:92:GLN:N	1:B:88:LEU:O	3	0.24
(1,989)	1:B:92:GLN:N	1:A:88:LEU:O	3	0.24
(1,989)	1:B:92:GLN:N	1:B:88:LEU:O	3	0.24
(1,989)	1:A:92:GLN:N	1:A:88:LEU:O	4	0.24
(1,989)	1:A:92:GLN:N	1:B:88:LEU:O	4	0.24
(1,989)	1:B:92:GLN:N	1:A:88:LEU:O	4	0.24
(1,989)	1:B:92:GLN:N	1:B:88:LEU:O	4	0.24
(1,989)	1:A:92:GLN:N	1:A:88:LEU:O	9	0.24
(1,989)	1:A:92:GLN:N	1:B:88:LEU:O	9	0.24
(1,989)	1:B:92:GLN:N	1:A:88:LEU:O	9	0.24
(1,989)	1:B:92:GLN:N	1:B:88:LEU:O	9	0.24
(1,989)	1:A:92:GLN:N	1:A:88:LEU:O	18	0.24
(1,989)	1:A:92:GLN:N	1:B:88:LEU:O	18	0.24
(1,989)	1:B:92:GLN:N	1:A:88:LEU:O	18	0.24
(1,989)	1:B:92:GLN:N	1:B:88:LEU:O	18	0.24
(1,989)	1:A:92:GLN:N	1:A:88:LEU:O	20	0.24
(1,989)	1:A:92:GLN:N	1:B:88:LEU:O	20	0.24
(1,989)	1:B:92:GLN:N	1:A:88:LEU:O	20	0.24
(1,989)	1:B:92:GLN:N	1:B:88:LEU:O	20	0.24
(1,987)	1:A:91:LEU:N	1:A:87:HIS:O	10	0.24
(1,987)	1:A:91:LEU:N	1:B:87:HIS:O	10	0.24
(1,987)	1:B:91:LEU:N	1:A:87:HIS:O	10	0.24
(1,987)	1:B:91:LEU:N	1:B:87:HIS:O	10	0.24
(1,987)	1:A:91:LEU:N	1:A:87:HIS:O	16	0.24
(1,987)	1:A:91:LEU:N	1:B:87:HIS:O	16	0.24
(1,987)	1:B:91:LEU:N	1:A:87:HIS:O	16	0.24
(1,987)	1:B:91:LEU:N	1:B:87:HIS:O	16	0.24
(1,981)	1:A:88:LEU:N	1:A:84:THR:O	15	0.24
(1,981)	1:A:88:LEU:N	1:B:84:THR:O	15	0.24
(1,981)	1:B:88:LEU:N	1:A:84:THR:O	15	0.24
(1,981)	1:B:88:LEU:N	1:B:84:THR:O	15	0.24
(1,979)	1:A:87:HIS:N	1:A:83:MET:O	3	0.24
(1,979)	1:A:87:HIS:N	1:B:83:MET:O	3	0.24
(1,979)	1:B:87:HIS:N	1:A:83:MET:O	3	0.24
(1,979)	1:B:87:HIS:N	1:B:83:MET:O	3	0.24
(1,971)	1:A:83:MET:N	1:A:79:ASP:O	18	0.24
(1,971)	1:A:83:MET:N	1:B:79:ASP:O	18	0.24
(1,971)	1:B:83:MET:N	1:A:79:ASP:O	18	0.24
(1,971)	1:B:83:MET:N	1:B:79:ASP:O	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:A:88:LEU:N	1:A:84:THR:O	15	0.24
(1,961)	1:A:88:LEU:N	1:B:84:THR:O	15	0.24
(1,961)	1:B:88:LEU:N	1:A:84:THR:O	15	0.24
(1,961)	1:B:88:LEU:N	1:B:84:THR:O	15	0.24
(1,959)	1:A:87:HIS:N	1:A:83:MET:O	3	0.24
(1,959)	1:A:87:HIS:N	1:B:83:MET:O	3	0.24
(1,959)	1:B:87:HIS:N	1:A:83:MET:O	3	0.24
(1,959)	1:B:87:HIS:N	1:B:83:MET:O	3	0.24
(1,951)	1:A:83:MET:N	1:A:79:ASP:O	18	0.24
(1,951)	1:A:83:MET:N	1:B:79:ASP:O	18	0.24
(1,951)	1:B:83:MET:N	1:A:79:ASP:O	18	0.24
(1,951)	1:B:83:MET:N	1:B:79:ASP:O	18	0.24
(1,934)	1:A:74:LYS:H	1:A:70:SER:O	16	0.24
(1,934)	1:A:74:LYS:H	1:B:70:SER:O	16	0.24
(1,934)	1:B:74:LYS:H	1:A:70:SER:O	16	0.24
(1,934)	1:B:74:LYS:H	1:B:70:SER:O	16	0.24
(1,933)	1:A:73:SER:N	1:A:69:SER:O	18	0.24
(1,933)	1:A:73:SER:N	1:B:69:SER:O	18	0.24
(1,933)	1:B:73:SER:N	1:A:69:SER:O	18	0.24
(1,933)	1:B:73:SER:N	1:B:69:SER:O	18	0.24
(1,805)	1:A:57:LEU:HD11	1:A:86:LYS:H	11	0.24
(1,805)	1:A:57:LEU:HD11	1:B:86:LYS:H	11	0.24
(1,805)	1:B:57:LEU:HD11	1:A:86:LYS:H	11	0.24
(1,805)	1:B:57:LEU:HD11	1:B:86:LYS:H	11	0.24
(1,805)	1:B:57:LEU:HD12	1:A:86:LYS:H	11	0.24
(1,805)	1:B:57:LEU:HD12	1:B:86:LYS:H	11	0.24
(1,805)	1:B:57:LEU:HD13	1:A:86:LYS:H	11	0.24
(1,805)	1:B:57:LEU:HD13	1:B:86:LYS:H	11	0.24
(1,805)	1:B:57:LEU:HD21	1:A:86:LYS:H	11	0.24
(1,805)	1:B:57:LEU:HD21	1:B:86:LYS:H	11	0.24
(1,805)	1:B:57:LEU:HD22	1:A:86:LYS:H	11	0.24
(1,805)	1:B:57:LEU:HD22	1:B:86:LYS:H	11	0.24
(1,805)	1:B:57:LEU:HD23	1:A:86:LYS:H	11	0.24
(1,805)	1:B:57:LEU:HD23	1:B:86:LYS:H	11	0.24
(1,789)	1:A:66:LYS:HA	1:A:69:SER:HG	17	0.24
(1,789)	1:A:66:LYS:HA	1:B:69:SER:HG	17	0.24
(1,789)	1:B:66:LYS:HA	1:A:69:SER:HG	17	0.24
(1,789)	1:B:66:LYS:HA	1:B:69:SER:HG	17	0.24
(1,782)	1:A:64:ALA:HB1	1:A:66:LYS:H	10	0.24
(1,782)	1:A:64:ALA:HB1	1:B:66:LYS:H	10	0.24
(1,782)	1:A:64:ALA:HB2	1:A:66:LYS:H	10	0.24
(1,782)	1:A:64:ALA:HB2	1:B:66:LYS:H	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,782)	1:A:64:ALA:HB3	1:A:66:LYS:H	10	0.24
(1,782)	1:A:64:ALA:HB3	1:B:66:LYS:H	10	0.24
(1,782)	1:B:64:ALA:HB1	1:A:66:LYS:H	10	0.24
(1,782)	1:B:64:ALA:HB1	1:B:66:LYS:H	10	0.24
(1,782)	1:B:64:ALA:HB2	1:A:66:LYS:H	10	0.24
(1,782)	1:B:64:ALA:HB2	1:B:66:LYS:H	10	0.24
(1,782)	1:B:64:ALA:HB3	1:A:66:LYS:H	10	0.24
(1,782)	1:B:64:ALA:HB3	1:B:66:LYS:H	10	0.24
(1,782)	1:A:64:ALA:HB1	1:A:66:LYS:H	12	0.24
(1,782)	1:A:64:ALA:HB1	1:B:66:LYS:H	12	0.24
(1,782)	1:A:64:ALA:HB2	1:A:66:LYS:H	12	0.24
(1,782)	1:A:64:ALA:HB2	1:B:66:LYS:H	12	0.24
(1,782)	1:A:64:ALA:HB3	1:A:66:LYS:H	12	0.24
(1,782)	1:A:64:ALA:HB3	1:B:66:LYS:H	12	0.24
(1,782)	1:B:64:ALA:HB1	1:A:66:LYS:H	12	0.24
(1,782)	1:B:64:ALA:HB1	1:B:66:LYS:H	12	0.24
(1,782)	1:B:64:ALA:HB2	1:A:66:LYS:H	12	0.24
(1,782)	1:B:64:ALA:HB2	1:B:66:LYS:H	12	0.24
(1,782)	1:B:64:ALA:HB3	1:A:66:LYS:H	12	0.24
(1,782)	1:B:64:ALA:HB3	1:B:66:LYS:H	12	0.24
(1,782)	1:A:64:ALA:HB1	1:A:66:LYS:H	18	0.24
(1,782)	1:A:64:ALA:HB1	1:B:66:LYS:H	18	0.24
(1,782)	1:A:64:ALA:HB2	1:A:66:LYS:H	18	0.24
(1,782)	1:A:64:ALA:HB2	1:B:66:LYS:H	18	0.24
(1,782)	1:A:64:ALA:HB3	1:A:66:LYS:H	18	0.24
(1,782)	1:A:64:ALA:HB3	1:B:66:LYS:H	18	0.24
(1,782)	1:B:64:ALA:HB1	1:A:66:LYS:H	18	0.24
(1,782)	1:B:64:ALA:HB1	1:B:66:LYS:H	18	0.24
(1,782)	1:B:64:ALA:HB2	1:A:66:LYS:H	18	0.24
(1,782)	1:B:64:ALA:HB2	1:B:66:LYS:H	18	0.24
(1,782)	1:B:64:ALA:HB3	1:A:66:LYS:H	18	0.24
(1,782)	1:B:64:ALA:HB3	1:B:66:LYS:H	18	0.24
(1,782)	1:A:64:ALA:HB1	1:A:66:LYS:H	20	0.24
(1,782)	1:A:64:ALA:HB1	1:B:66:LYS:H	20	0.24
(1,782)	1:A:64:ALA:HB2	1:A:66:LYS:H	20	0.24
(1,782)	1:A:64:ALA:HB2	1:B:66:LYS:H	20	0.24
(1,782)	1:A:64:ALA:HB3	1:A:66:LYS:H	20	0.24
(1,782)	1:A:64:ALA:HB3	1:B:66:LYS:H	20	0.24
(1,782)	1:B:64:ALA:HB1	1:A:66:LYS:H	20	0.24
(1,782)	1:B:64:ALA:HB1	1:B:66:LYS:H	20	0.24
(1,782)	1:B:64:ALA:HB2	1:A:66:LYS:H	20	0.24
(1,782)	1:B:64:ALA:HB2	1:B:66:LYS:H	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,782)	1:B:64:ALA:HB3	1:A:66:LYS:H	20	0.24
(1,782)	1:B:64:ALA:HB3	1:B:66:LYS:H	20	0.24
(1,711)	1:A:71:ARG:HA	1:A:71:ARG:HG2	8	0.24
(1,711)	1:A:71:ARG:HA	1:B:71:ARG:HG2	8	0.24
(1,711)	1:B:71:ARG:HA	1:A:71:ARG:HG2	8	0.24
(1,711)	1:B:71:ARG:HA	1:B:71:ARG:HG2	8	0.24
(1,709)	1:A:86:LYS:HA	1:A:86:LYS:HD3	9	0.24
(1,709)	1:A:86:LYS:HA	1:B:86:LYS:HD3	9	0.24
(1,709)	1:B:86:LYS:HA	1:A:86:LYS:HD3	9	0.24
(1,709)	1:B:86:LYS:HA	1:B:86:LYS:HD3	9	0.24
(1,709)	1:A:86:LYS:HA	1:A:86:LYS:HD3	14	0.24
(1,709)	1:A:86:LYS:HA	1:B:86:LYS:HD3	14	0.24
(1,709)	1:B:86:LYS:HA	1:A:86:LYS:HD3	14	0.24
(1,709)	1:B:86:LYS:HA	1:B:86:LYS:HD3	14	0.24
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB2	6	0.24
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB3	6	0.24
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB2	6	0.24
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB3	6	0.24
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB2	6	0.24
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB3	6	0.24
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB2	6	0.24
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB3	6	0.24
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB2	2	0.24
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB3	2	0.24
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB2	2	0.24
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB3	2	0.24
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB2	2	0.24
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB3	2	0.24
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB2	2	0.24
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB3	2	0.24
(1,582)	1:A:76:GLU:HB3	1:A:79:ASP:HB3	6	0.24
(1,582)	1:A:76:GLU:HB3	1:B:79:ASP:HB3	6	0.24
(1,582)	1:B:76:GLU:HB3	1:A:79:ASP:HB3	6	0.24
(1,582)	1:B:76:GLU:HB3	1:B:79:ASP:HB3	6	0.24
(1,566)	1:A:56:GLN:HG2	1:A:82:GLU:HA	5	0.24
(1,566)	1:A:56:GLN:HG2	1:B:82:GLU:HA	5	0.24
(1,566)	1:B:56:GLN:HG2	1:A:82:GLU:HA	5	0.24
(1,566)	1:B:56:GLN:HG2	1:B:82:GLU:HA	5	0.24
(1,52)	1:A:71:ARG:HB2	1:A:72:HIS:H	1	0.24
(1,52)	1:A:71:ARG:HB2	1:B:72:HIS:H	1	0.24
(1,52)	1:A:71:ARG:HB3	1:A:72:HIS:H	1	0.24
(1,52)	1:A:71:ARG:HB3	1:B:72:HIS:H	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:B:71:ARG:HB2	1:A:72:HIS:H	1	0.24
(1,52)	1:B:71:ARG:HB2	1:B:72:HIS:H	1	0.24
(1,52)	1:B:71:ARG:HB3	1:A:72:HIS:H	1	0.24
(1,52)	1:B:71:ARG:HB3	1:B:72:HIS:H	1	0.24
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD21	9	0.24
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD22	9	0.24
(1,496)	1:A:64:ALA:H	1:A:65:LEU:HD23	9	0.24
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD21	9	0.24
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD22	9	0.24
(1,496)	1:A:64:ALA:H	1:B:65:LEU:HD23	9	0.24
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD21	9	0.24
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD22	9	0.24
(1,496)	1:B:64:ALA:H	1:A:65:LEU:HD23	9	0.24
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD21	9	0.24
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD22	9	0.24
(1,496)	1:B:64:ALA:H	1:B:65:LEU:HD23	9	0.24
(1,421)	1:A:79:ASP:HB3	1:A:80:ILE:HB	7	0.24
(1,421)	1:A:79:ASP:HB3	1:B:80:ILE:HB	7	0.24
(1,421)	1:B:79:ASP:HB3	1:A:80:ILE:HB	7	0.24
(1,421)	1:B:79:ASP:HB3	1:B:80:ILE:HB	7	0.24
(1,363)	1:A:68:ASP:HA	1:A:72:HIS:H	1	0.24
(1,363)	1:A:68:ASP:HA	1:B:72:HIS:H	1	0.24
(1,363)	1:B:68:ASP:HA	1:A:72:HIS:H	1	0.24
(1,363)	1:B:68:ASP:HA	1:B:72:HIS:H	1	0.24
(1,363)	1:A:68:ASP:HA	1:A:72:HIS:H	6	0.24
(1,363)	1:A:68:ASP:HA	1:B:72:HIS:H	6	0.24
(1,363)	1:B:68:ASP:HA	1:A:72:HIS:H	6	0.24
(1,363)	1:B:68:ASP:HA	1:B:72:HIS:H	6	0.24
(1,363)	1:A:68:ASP:HA	1:A:72:HIS:H	19	0.24
(1,363)	1:A:68:ASP:HA	1:B:72:HIS:H	19	0.24
(1,363)	1:B:68:ASP:HA	1:A:72:HIS:H	19	0.24
(1,363)	1:B:68:ASP:HA	1:B:72:HIS:H	19	0.24
(1,284)	1:A:87:HIS:HD2	1:A:88:LEU:H	13	0.24
(1,284)	1:A:87:HIS:HD2	1:B:88:LEU:H	13	0.24
(1,284)	1:B:87:HIS:HD2	1:A:88:LEU:H	13	0.24
(1,284)	1:B:87:HIS:HD2	1:B:88:LEU:H	13	0.24
(1,275)	1:A:86:LYS:HG2	1:A:88:LEU:H	4	0.24
(1,275)	1:A:86:LYS:HG2	1:B:88:LEU:H	4	0.24
(1,275)	1:B:86:LYS:HG2	1:A:88:LEU:H	4	0.24
(1,275)	1:B:86:LYS:HG2	1:B:88:LEU:H	4	0.24
(1,275)	1:A:86:LYS:HG2	1:A:88:LEU:H	5	0.24
(1,275)	1:A:86:LYS:HG2	1:B:88:LEU:H	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,275)	1:B:86:LYS:HG2	1:A:88:LEU:H	5	0.24
(1,275)	1:B:86:LYS:HG2	1:B:88:LEU:H	5	0.24
(1,189)	1:A:75:LEU:HA	1:A:79:ASP:H	7	0.24
(1,189)	1:A:75:LEU:HA	1:B:79:ASP:H	7	0.24
(1,189)	1:B:75:LEU:HA	1:A:79:ASP:H	7	0.24
(1,189)	1:B:75:LEU:HA	1:B:79:ASP:H	7	0.24
(1,189)	1:A:75:LEU:HA	1:A:79:ASP:H	20	0.24
(1,189)	1:A:75:LEU:HA	1:B:79:ASP:H	20	0.24
(1,189)	1:B:75:LEU:HA	1:A:79:ASP:H	20	0.24
(1,189)	1:B:75:LEU:HA	1:B:79:ASP:H	20	0.24
(1,991)	1:A:93:ARG:N	1:A:89:ARG:O	16	0.23
(1,991)	1:A:93:ARG:N	1:B:89:ARG:O	16	0.23
(1,991)	1:B:93:ARG:N	1:A:89:ARG:O	16	0.23
(1,991)	1:B:93:ARG:N	1:B:89:ARG:O	16	0.23
(1,991)	1:A:93:ARG:N	1:A:89:ARG:O	19	0.23
(1,991)	1:A:93:ARG:N	1:B:89:ARG:O	19	0.23
(1,991)	1:B:93:ARG:N	1:A:89:ARG:O	19	0.23
(1,991)	1:B:93:ARG:N	1:B:89:ARG:O	19	0.23
(1,989)	1:A:92:GLN:N	1:A:88:LEU:O	13	0.23
(1,989)	1:A:92:GLN:N	1:B:88:LEU:O	13	0.23
(1,989)	1:B:92:GLN:N	1:A:88:LEU:O	13	0.23
(1,989)	1:B:92:GLN:N	1:B:88:LEU:O	13	0.23
(1,979)	1:A:87:HIS:N	1:A:83:MET:O	14	0.23
(1,979)	1:A:87:HIS:N	1:B:83:MET:O	14	0.23
(1,979)	1:B:87:HIS:N	1:A:83:MET:O	14	0.23
(1,979)	1:B:87:HIS:N	1:B:83:MET:O	14	0.23
(1,967)	1:A:81:LEU:N	1:A:77:LYS:O	6	0.23
(1,967)	1:A:81:LEU:N	1:B:77:LYS:O	6	0.23
(1,967)	1:B:81:LEU:N	1:A:77:LYS:O	6	0.23
(1,967)	1:B:81:LEU:N	1:B:77:LYS:O	6	0.23
(1,959)	1:A:87:HIS:N	1:A:83:MET:O	14	0.23
(1,959)	1:A:87:HIS:N	1:B:83:MET:O	14	0.23
(1,959)	1:B:87:HIS:N	1:A:83:MET:O	14	0.23
(1,959)	1:B:87:HIS:N	1:B:83:MET:O	14	0.23
(1,947)	1:A:81:LEU:N	1:A:77:LYS:O	6	0.23
(1,947)	1:A:81:LEU:N	1:B:77:LYS:O	6	0.23
(1,947)	1:B:81:LEU:N	1:A:77:LYS:O	6	0.23
(1,947)	1:B:81:LEU:N	1:B:77:LYS:O	6	0.23
(1,945)	1:A:80:ILE:N	1:A:76:GLU:O	18	0.23
(1,945)	1:A:80:ILE:N	1:B:76:GLU:O	18	0.23
(1,945)	1:B:80:ILE:N	1:A:76:GLU:O	18	0.23
(1,945)	1:B:80:ILE:N	1:B:76:GLU:O	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,831)	1:A:87:HIS:HD1	1:A:91:LEU:H	9	0.23
(1,831)	1:A:87:HIS:HD1	1:B:91:LEU:H	9	0.23
(1,831)	1:A:87:HIS:HD2	1:A:91:LEU:H	9	0.23
(1,831)	1:A:87:HIS:HD2	1:B:91:LEU:H	9	0.23
(1,831)	1:B:87:HIS:HD1	1:A:91:LEU:H	9	0.23
(1,831)	1:B:87:HIS:HD1	1:B:91:LEU:H	9	0.23
(1,831)	1:B:87:HIS:HD2	1:A:91:LEU:H	9	0.23
(1,831)	1:B:87:HIS:HD2	1:B:91:LEU:H	9	0.23
(1,805)	1:A:57:LEU:HD11	1:A:86:LYS:H	3	0.23
(1,805)	1:A:57:LEU:HD11	1:B:86:LYS:H	3	0.23
(1,805)	1:B:57:LEU:HD11	1:A:86:LYS:H	3	0.23
(1,805)	1:B:57:LEU:HD11	1:B:86:LYS:H	3	0.23
(1,805)	1:B:57:LEU:HD12	1:A:86:LYS:H	3	0.23
(1,805)	1:B:57:LEU:HD12	1:B:86:LYS:H	3	0.23
(1,805)	1:B:57:LEU:HD13	1:A:86:LYS:H	3	0.23
(1,805)	1:B:57:LEU:HD13	1:B:86:LYS:H	3	0.23
(1,805)	1:B:57:LEU:HD21	1:A:86:LYS:H	3	0.23
(1,805)	1:B:57:LEU:HD21	1:B:86:LYS:H	3	0.23
(1,805)	1:B:57:LEU:HD22	1:A:86:LYS:H	3	0.23
(1,805)	1:B:57:LEU:HD22	1:B:86:LYS:H	3	0.23
(1,805)	1:B:57:LEU:HD23	1:A:86:LYS:H	3	0.23
(1,805)	1:B:57:LEU:HD23	1:B:86:LYS:H	3	0.23
(1,805)	1:A:57:LEU:HD11	1:A:86:LYS:H	9	0.23
(1,805)	1:A:57:LEU:HD11	1:B:86:LYS:H	9	0.23
(1,805)	1:B:57:LEU:HD11	1:A:86:LYS:H	9	0.23
(1,805)	1:B:57:LEU:HD11	1:B:86:LYS:H	9	0.23
(1,805)	1:B:57:LEU:HD12	1:A:86:LYS:H	9	0.23
(1,805)	1:B:57:LEU:HD12	1:B:86:LYS:H	9	0.23
(1,805)	1:B:57:LEU:HD13	1:A:86:LYS:H	9	0.23
(1,805)	1:B:57:LEU:HD13	1:B:86:LYS:H	9	0.23
(1,805)	1:B:57:LEU:HD21	1:A:86:LYS:H	9	0.23
(1,805)	1:B:57:LEU:HD21	1:B:86:LYS:H	9	0.23
(1,805)	1:B:57:LEU:HD22	1:A:86:LYS:H	9	0.23
(1,805)	1:B:57:LEU:HD22	1:B:86:LYS:H	9	0.23
(1,805)	1:B:57:LEU:HD23	1:A:86:LYS:H	9	0.23
(1,805)	1:B:57:LEU:HD23	1:B:86:LYS:H	9	0.23
(1,788)	1:A:65:LEU:HG	1:A:66:LYS:H	4	0.23
(1,788)	1:A:65:LEU:HG	1:B:66:LYS:H	4	0.23
(1,788)	1:B:65:LEU:HG	1:A:66:LYS:H	4	0.23
(1,788)	1:B:65:LEU:HG	1:B:66:LYS:H	4	0.23
(1,782)	1:A:64:ALA:HB1	1:A:66:LYS:H	7	0.23
(1,782)	1:A:64:ALA:HB1	1:B:66:LYS:H	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,782)	1:A:64:ALA:HB2	1:A:66:LYS:H	7	0.23
(1,782)	1:A:64:ALA:HB2	1:B:66:LYS:H	7	0.23
(1,782)	1:A:64:ALA:HB3	1:A:66:LYS:H	7	0.23
(1,782)	1:A:64:ALA:HB3	1:B:66:LYS:H	7	0.23
(1,782)	1:B:64:ALA:HB1	1:A:66:LYS:H	7	0.23
(1,782)	1:B:64:ALA:HB1	1:B:66:LYS:H	7	0.23
(1,782)	1:B:64:ALA:HB2	1:A:66:LYS:H	7	0.23
(1,782)	1:B:64:ALA:HB2	1:B:66:LYS:H	7	0.23
(1,782)	1:B:64:ALA:HB3	1:A:66:LYS:H	7	0.23
(1,782)	1:B:64:ALA:HB3	1:B:66:LYS:H	7	0.23
(1,782)	1:A:64:ALA:HB1	1:A:66:LYS:H	14	0.23
(1,782)	1:A:64:ALA:HB1	1:B:66:LYS:H	14	0.23
(1,782)	1:A:64:ALA:HB2	1:A:66:LYS:H	14	0.23
(1,782)	1:A:64:ALA:HB2	1:B:66:LYS:H	14	0.23
(1,782)	1:A:64:ALA:HB3	1:A:66:LYS:H	14	0.23
(1,782)	1:A:64:ALA:HB3	1:B:66:LYS:H	14	0.23
(1,782)	1:B:64:ALA:HB1	1:A:66:LYS:H	14	0.23
(1,782)	1:B:64:ALA:HB1	1:B:66:LYS:H	14	0.23
(1,782)	1:B:64:ALA:HB2	1:A:66:LYS:H	14	0.23
(1,782)	1:B:64:ALA:HB2	1:B:66:LYS:H	14	0.23
(1,782)	1:B:64:ALA:HB3	1:A:66:LYS:H	14	0.23
(1,782)	1:B:64:ALA:HB3	1:B:66:LYS:H	14	0.23
(1,738)	1:A:76:GLU:HA	1:A:79:ASP:HB2	7	0.23
(1,738)	1:A:76:GLU:HA	1:B:79:ASP:HB2	7	0.23
(1,738)	1:B:76:GLU:HA	1:A:79:ASP:HB2	7	0.23
(1,738)	1:B:76:GLU:HA	1:B:79:ASP:HB2	7	0.23
(1,738)	1:A:76:GLU:HA	1:A:79:ASP:HB2	11	0.23
(1,738)	1:A:76:GLU:HA	1:B:79:ASP:HB2	11	0.23
(1,738)	1:B:76:GLU:HA	1:A:79:ASP:HB2	11	0.23
(1,738)	1:B:76:GLU:HA	1:B:79:ASP:HB2	11	0.23
(1,738)	1:A:76:GLU:HA	1:A:79:ASP:HB2	13	0.23
(1,738)	1:A:76:GLU:HA	1:B:79:ASP:HB2	13	0.23
(1,738)	1:B:76:GLU:HA	1:A:79:ASP:HB2	13	0.23
(1,738)	1:B:76:GLU:HA	1:B:79:ASP:HB2	13	0.23
(1,709)	1:A:86:LYS:HA	1:A:86:LYS:HD3	6	0.23
(1,709)	1:A:86:LYS:HA	1:B:86:LYS:HD3	6	0.23
(1,709)	1:B:86:LYS:HA	1:A:86:LYS:HD3	6	0.23
(1,709)	1:B:86:LYS:HA	1:B:86:LYS:HD3	6	0.23
(1,52)	1:A:71:ARG:HB2	1:A:72:HIS:H	18	0.23
(1,52)	1:A:71:ARG:HB2	1:B:72:HIS:H	18	0.23
(1,52)	1:A:71:ARG:HB3	1:A:72:HIS:H	18	0.23
(1,52)	1:A:71:ARG:HB3	1:B:72:HIS:H	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:B:71:ARG:HB2	1:A:72:HIS:H	18	0.23
(1,52)	1:B:71:ARG:HB2	1:B:72:HIS:H	18	0.23
(1,52)	1:B:71:ARG:HB3	1:A:72:HIS:H	18	0.23
(1,52)	1:B:71:ARG:HB3	1:B:72:HIS:H	18	0.23
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD11	11	0.23
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD12	11	0.23
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD13	11	0.23
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD11	11	0.23
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD12	11	0.23
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD13	11	0.23
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD11	11	0.23
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD12	11	0.23
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD13	11	0.23
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD11	11	0.23
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD12	11	0.23
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD13	11	0.23
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD2	13	0.23
(1,467)	1:A:68:ASP:HA	1:A:71:ARG:HD3	13	0.23
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD2	13	0.23
(1,467)	1:A:68:ASP:HA	1:B:71:ARG:HD3	13	0.23
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD2	13	0.23
(1,467)	1:B:68:ASP:HA	1:A:71:ARG:HD3	13	0.23
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD2	13	0.23
(1,467)	1:B:68:ASP:HA	1:B:71:ARG:HD3	13	0.23
(1,421)	1:A:79:ASP:HB3	1:A:80:ILE:HB	13	0.23
(1,421)	1:A:79:ASP:HB3	1:B:80:ILE:HB	13	0.23
(1,421)	1:B:79:ASP:HB3	1:A:80:ILE:HB	13	0.23
(1,421)	1:B:79:ASP:HB3	1:B:80:ILE:HB	13	0.23
(1,421)	1:A:79:ASP:HB3	1:A:80:ILE:HB	20	0.23
(1,421)	1:A:79:ASP:HB3	1:B:80:ILE:HB	20	0.23
(1,421)	1:B:79:ASP:HB3	1:A:80:ILE:HB	20	0.23
(1,421)	1:B:79:ASP:HB3	1:B:80:ILE:HB	20	0.23
(1,12)	1:A:61:ILE:HA	1:A:62:LEU:H	1	0.23
(1,12)	1:A:61:ILE:HA	1:B:62:LEU:H	1	0.23
(1,12)	1:B:61:ILE:HA	1:A:62:LEU:H	1	0.23
(1,12)	1:B:61:ILE:HA	1:B:62:LEU:H	1	0.23
(1,12)	1:A:61:ILE:HA	1:A:62:LEU:H	10	0.23
(1,12)	1:A:61:ILE:HA	1:B:62:LEU:H	10	0.23
(1,12)	1:B:61:ILE:HA	1:A:62:LEU:H	10	0.23
(1,12)	1:B:61:ILE:HA	1:B:62:LEU:H	10	0.23
(1,12)	1:A:61:ILE:HA	1:A:62:LEU:H	16	0.23
(1,12)	1:A:61:ILE:HA	1:B:62:LEU:H	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12)	1:B:61:ILE:HA	1:A:62:LEU:H	16	0.23
(1,12)	1:B:61:ILE:HA	1:B:62:LEU:H	16	0.23
(1,12)	1:A:61:ILE:HA	1:A:62:LEU:H	17	0.23
(1,12)	1:A:61:ILE:HA	1:B:62:LEU:H	17	0.23
(1,12)	1:B:61:ILE:HA	1:A:62:LEU:H	17	0.23
(1,12)	1:B:61:ILE:HA	1:B:62:LEU:H	17	0.23
(1,991)	1:A:93:ARG:N	1:A:89:ARG:O	15	0.22
(1,991)	1:A:93:ARG:N	1:B:89:ARG:O	15	0.22
(1,991)	1:B:93:ARG:N	1:A:89:ARG:O	15	0.22
(1,991)	1:B:93:ARG:N	1:B:89:ARG:O	15	0.22
(1,989)	1:A:92:GLN:N	1:A:88:LEU:O	15	0.22
(1,989)	1:A:92:GLN:N	1:B:88:LEU:O	15	0.22
(1,989)	1:B:92:GLN:N	1:A:88:LEU:O	15	0.22
(1,989)	1:B:92:GLN:N	1:B:88:LEU:O	15	0.22
(1,985)	1:A:90:ASN:N	1:A:86:LYS:O	2	0.22
(1,985)	1:A:90:ASN:N	1:B:86:LYS:O	2	0.22
(1,985)	1:B:90:ASN:N	1:A:86:LYS:O	2	0.22
(1,985)	1:B:90:ASN:N	1:B:86:LYS:O	2	0.22
(1,979)	1:A:87:HIS:N	1:A:83:MET:O	2	0.22
(1,979)	1:A:87:HIS:N	1:B:83:MET:O	2	0.22
(1,979)	1:B:87:HIS:N	1:A:83:MET:O	2	0.22
(1,979)	1:B:87:HIS:N	1:B:83:MET:O	2	0.22
(1,979)	1:A:87:HIS:N	1:A:83:MET:O	5	0.22
(1,979)	1:A:87:HIS:N	1:B:83:MET:O	5	0.22
(1,979)	1:B:87:HIS:N	1:A:83:MET:O	5	0.22
(1,979)	1:B:87:HIS:N	1:B:83:MET:O	5	0.22
(1,979)	1:A:87:HIS:N	1:A:83:MET:O	9	0.22
(1,979)	1:A:87:HIS:N	1:B:83:MET:O	9	0.22
(1,979)	1:B:87:HIS:N	1:A:83:MET:O	9	0.22
(1,979)	1:B:87:HIS:N	1:B:83:MET:O	9	0.22
(1,971)	1:A:83:MET:N	1:A:79:ASP:O	15	0.22
(1,971)	1:A:83:MET:N	1:B:79:ASP:O	15	0.22
(1,971)	1:B:83:MET:N	1:A:79:ASP:O	15	0.22
(1,971)	1:B:83:MET:N	1:B:79:ASP:O	15	0.22
(1,971)	1:A:83:MET:N	1:A:79:ASP:O	20	0.22
(1,971)	1:A:83:MET:N	1:B:79:ASP:O	20	0.22
(1,971)	1:B:83:MET:N	1:A:79:ASP:O	20	0.22
(1,971)	1:B:83:MET:N	1:B:79:ASP:O	20	0.22
(1,965)	1:A:90:ASN:N	1:A:86:LYS:O	2	0.22
(1,965)	1:A:90:ASN:N	1:B:86:LYS:O	2	0.22
(1,965)	1:B:90:ASN:N	1:A:86:LYS:O	2	0.22
(1,965)	1:B:90:ASN:N	1:B:86:LYS:O	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,959)	1:A:87:HIS:N	1:A:83:MET:O	2	0.22
(1,959)	1:A:87:HIS:N	1:B:83:MET:O	2	0.22
(1,959)	1:B:87:HIS:N	1:A:83:MET:O	2	0.22
(1,959)	1:B:87:HIS:N	1:B:83:MET:O	2	0.22
(1,959)	1:A:87:HIS:N	1:A:83:MET:O	5	0.22
(1,959)	1:A:87:HIS:N	1:B:83:MET:O	5	0.22
(1,959)	1:B:87:HIS:N	1:A:83:MET:O	5	0.22
(1,959)	1:B:87:HIS:N	1:B:83:MET:O	5	0.22
(1,959)	1:A:87:HIS:N	1:A:83:MET:O	9	0.22
(1,959)	1:A:87:HIS:N	1:B:83:MET:O	9	0.22
(1,959)	1:B:87:HIS:N	1:A:83:MET:O	9	0.22
(1,959)	1:B:87:HIS:N	1:B:83:MET:O	9	0.22
(1,951)	1:A:83:MET:N	1:A:79:ASP:O	15	0.22
(1,951)	1:A:83:MET:N	1:B:79:ASP:O	15	0.22
(1,951)	1:B:83:MET:N	1:A:79:ASP:O	15	0.22
(1,951)	1:B:83:MET:N	1:B:79:ASP:O	15	0.22
(1,951)	1:A:83:MET:N	1:A:79:ASP:O	20	0.22
(1,951)	1:A:83:MET:N	1:B:79:ASP:O	20	0.22
(1,951)	1:B:83:MET:N	1:A:79:ASP:O	20	0.22
(1,951)	1:B:83:MET:N	1:B:79:ASP:O	20	0.22
(1,945)	1:A:80:ILE:N	1:A:76:GLU:O	20	0.22
(1,945)	1:A:80:ILE:N	1:B:76:GLU:O	20	0.22
(1,945)	1:B:80:ILE:N	1:A:76:GLU:O	20	0.22
(1,945)	1:B:80:ILE:N	1:B:76:GLU:O	20	0.22
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB2	15	0.22
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB3	15	0.22
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB2	15	0.22
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB3	15	0.22
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB2	15	0.22
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB3	15	0.22
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB2	15	0.22
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB3	15	0.22
(1,816)	1:A:60:LEU:HD11	1:A:86:LYS:H	11	0.22
(1,816)	1:A:60:LEU:HD11	1:B:86:LYS:H	11	0.22
(1,816)	1:B:60:LEU:HD11	1:A:86:LYS:H	11	0.22
(1,816)	1:B:60:LEU:HD11	1:B:86:LYS:H	11	0.22
(1,816)	1:B:60:LEU:HD12	1:A:86:LYS:H	11	0.22
(1,816)	1:B:60:LEU:HD12	1:B:86:LYS:H	11	0.22
(1,816)	1:B:60:LEU:HD13	1:A:86:LYS:H	11	0.22
(1,816)	1:B:60:LEU:HD13	1:B:86:LYS:H	11	0.22
(1,816)	1:B:60:LEU:HD21	1:A:86:LYS:H	11	0.22
(1,816)	1:B:60:LEU:HD21	1:B:86:LYS:H	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	1:B:60:LEU:HD22	1:A:86:LYS:H	11	0.22
(1,816)	1:B:60:LEU:HD22	1:B:86:LYS:H	11	0.22
(1,816)	1:B:60:LEU:HD23	1:A:86:LYS:H	11	0.22
(1,816)	1:B:60:LEU:HD23	1:B:86:LYS:H	11	0.22
(1,669)	1:A:88:LEU:HB3	1:A:91:LEU:HG	17	0.22
(1,669)	1:A:88:LEU:HB3	1:B:91:LEU:HG	17	0.22
(1,669)	1:B:88:LEU:HB3	1:A:91:LEU:HG	17	0.22
(1,669)	1:B:88:LEU:HB3	1:B:91:LEU:HG	17	0.22
(1,52)	1:A:71:ARG:HB2	1:A:72:HIS:H	8	0.22
(1,52)	1:A:71:ARG:HB2	1:B:72:HIS:H	8	0.22
(1,52)	1:A:71:ARG:HB3	1:A:72:HIS:H	8	0.22
(1,52)	1:A:71:ARG:HB3	1:B:72:HIS:H	8	0.22
(1,52)	1:B:71:ARG:HB2	1:A:72:HIS:H	8	0.22
(1,52)	1:B:71:ARG:HB2	1:B:72:HIS:H	8	0.22
(1,52)	1:B:71:ARG:HB3	1:A:72:HIS:H	8	0.22
(1,52)	1:B:71:ARG:HB3	1:B:72:HIS:H	8	0.22
(1,421)	1:A:79:ASP:HB3	1:A:80:ILE:HB	18	0.22
(1,421)	1:A:79:ASP:HB3	1:B:80:ILE:HB	18	0.22
(1,421)	1:B:79:ASP:HB3	1:A:80:ILE:HB	18	0.22
(1,421)	1:B:79:ASP:HB3	1:B:80:ILE:HB	18	0.22
(1,363)	1:A:68:ASP:HA	1:A:72:HIS:H	7	0.22
(1,363)	1:A:68:ASP:HA	1:B:72:HIS:H	7	0.22
(1,363)	1:B:68:ASP:HA	1:A:72:HIS:H	7	0.22
(1,363)	1:B:68:ASP:HA	1:B:72:HIS:H	7	0.22
(1,363)	1:A:68:ASP:HA	1:A:72:HIS:H	13	0.22
(1,363)	1:A:68:ASP:HA	1:B:72:HIS:H	13	0.22
(1,363)	1:B:68:ASP:HA	1:A:72:HIS:H	13	0.22
(1,363)	1:B:68:ASP:HA	1:B:72:HIS:H	13	0.22
(1,316)	1:A:90:ASN:H	1:A:91:LEU:HG	8	0.22
(1,316)	1:A:90:ASN:H	1:B:91:LEU:HG	8	0.22
(1,316)	1:B:90:ASN:H	1:A:91:LEU:HG	8	0.22
(1,316)	1:B:90:ASN:H	1:B:91:LEU:HG	8	0.22
(1,316)	1:A:90:ASN:H	1:A:91:LEU:HG	11	0.22
(1,316)	1:A:90:ASN:H	1:B:91:LEU:HG	11	0.22
(1,316)	1:B:90:ASN:H	1:A:91:LEU:HG	11	0.22
(1,316)	1:B:90:ASN:H	1:B:91:LEU:HG	11	0.22
(1,275)	1:A:86:LYS:HG2	1:A:88:LEU:H	1	0.22
(1,275)	1:A:86:LYS:HG2	1:B:88:LEU:H	1	0.22
(1,275)	1:B:86:LYS:HG2	1:A:88:LEU:H	1	0.22
(1,275)	1:B:86:LYS:HG2	1:B:88:LEU:H	1	0.22
(1,189)	1:A:75:LEU:HA	1:A:79:ASP:H	12	0.22
(1,189)	1:A:75:LEU:HA	1:B:79:ASP:H	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,189)	1:B:75:LEU:HA	1:A:79:ASP:H	12	0.22
(1,189)	1:B:75:LEU:HA	1:B:79:ASP:H	12	0.22
(1,12)	1:A:61:ILE:HA	1:A:62:LEU:H	2	0.22
(1,12)	1:A:61:ILE:HA	1:B:62:LEU:H	2	0.22
(1,12)	1:B:61:ILE:HA	1:A:62:LEU:H	2	0.22
(1,12)	1:B:61:ILE:HA	1:B:62:LEU:H	2	0.22
(1,12)	1:A:61:ILE:HA	1:A:62:LEU:H	4	0.22
(1,12)	1:A:61:ILE:HA	1:B:62:LEU:H	4	0.22
(1,12)	1:B:61:ILE:HA	1:A:62:LEU:H	4	0.22
(1,12)	1:B:61:ILE:HA	1:B:62:LEU:H	4	0.22
(1,12)	1:A:61:ILE:HA	1:A:62:LEU:H	5	0.22
(1,12)	1:A:61:ILE:HA	1:B:62:LEU:H	5	0.22
(1,12)	1:B:61:ILE:HA	1:A:62:LEU:H	5	0.22
(1,12)	1:B:61:ILE:HA	1:B:62:LEU:H	5	0.22
(1,12)	1:A:61:ILE:HA	1:A:62:LEU:H	7	0.22
(1,12)	1:A:61:ILE:HA	1:B:62:LEU:H	7	0.22
(1,12)	1:B:61:ILE:HA	1:A:62:LEU:H	7	0.22
(1,12)	1:B:61:ILE:HA	1:B:62:LEU:H	7	0.22
(1,12)	1:A:61:ILE:HA	1:A:62:LEU:H	9	0.22
(1,12)	1:A:61:ILE:HA	1:B:62:LEU:H	9	0.22
(1,12)	1:B:61:ILE:HA	1:A:62:LEU:H	9	0.22
(1,12)	1:B:61:ILE:HA	1:B:62:LEU:H	9	0.22
(1,12)	1:A:61:ILE:HA	1:A:62:LEU:H	11	0.22
(1,12)	1:A:61:ILE:HA	1:B:62:LEU:H	11	0.22
(1,12)	1:B:61:ILE:HA	1:A:62:LEU:H	11	0.22
(1,12)	1:B:61:ILE:HA	1:B:62:LEU:H	11	0.22
(1,12)	1:A:61:ILE:HA	1:A:62:LEU:H	12	0.22
(1,12)	1:A:61:ILE:HA	1:B:62:LEU:H	12	0.22
(1,12)	1:B:61:ILE:HA	1:A:62:LEU:H	12	0.22
(1,12)	1:B:61:ILE:HA	1:B:62:LEU:H	12	0.22
(1,12)	1:A:61:ILE:HA	1:A:62:LEU:H	15	0.22
(1,12)	1:A:61:ILE:HA	1:B:62:LEU:H	15	0.22
(1,12)	1:B:61:ILE:HA	1:A:62:LEU:H	15	0.22
(1,12)	1:B:61:ILE:HA	1:B:62:LEU:H	15	0.22
(1,12)	1:A:61:ILE:HA	1:A:62:LEU:H	18	0.22
(1,12)	1:A:61:ILE:HA	1:B:62:LEU:H	18	0.22
(1,12)	1:B:61:ILE:HA	1:A:62:LEU:H	18	0.22
(1,12)	1:B:61:ILE:HA	1:B:62:LEU:H	18	0.22
(1,12)	1:A:61:ILE:HA	1:A:62:LEU:H	20	0.22
(1,12)	1:A:61:ILE:HA	1:B:62:LEU:H	20	0.22
(1,12)	1:B:61:ILE:HA	1:A:62:LEU:H	20	0.22
(1,12)	1:B:61:ILE:HA	1:B:62:LEU:H	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,991)	1:A:93:ARG:N	1:A:89:ARG:O	4	0.21
(1,991)	1:A:93:ARG:N	1:B:89:ARG:O	4	0.21
(1,991)	1:B:93:ARG:N	1:A:89:ARG:O	4	0.21
(1,991)	1:B:93:ARG:N	1:B:89:ARG:O	4	0.21
(1,991)	1:A:93:ARG:N	1:A:89:ARG:O	6	0.21
(1,991)	1:A:93:ARG:N	1:B:89:ARG:O	6	0.21
(1,991)	1:B:93:ARG:N	1:A:89:ARG:O	6	0.21
(1,991)	1:B:93:ARG:N	1:B:89:ARG:O	6	0.21
(1,989)	1:A:92:GLN:N	1:A:88:LEU:O	2	0.21
(1,989)	1:A:92:GLN:N	1:B:88:LEU:O	2	0.21
(1,989)	1:B:92:GLN:N	1:A:88:LEU:O	2	0.21
(1,989)	1:B:92:GLN:N	1:B:88:LEU:O	2	0.21
(1,989)	1:A:92:GLN:N	1:A:88:LEU:O	10	0.21
(1,989)	1:A:92:GLN:N	1:B:88:LEU:O	10	0.21
(1,989)	1:B:92:GLN:N	1:A:88:LEU:O	10	0.21
(1,989)	1:B:92:GLN:N	1:B:88:LEU:O	10	0.21
(1,987)	1:A:91:LEU:N	1:A:87:HIS:O	3	0.21
(1,987)	1:A:91:LEU:N	1:B:87:HIS:O	3	0.21
(1,987)	1:B:91:LEU:N	1:A:87:HIS:O	3	0.21
(1,987)	1:B:91:LEU:N	1:B:87:HIS:O	3	0.21
(1,987)	1:A:91:LEU:N	1:A:87:HIS:O	14	0.21
(1,987)	1:A:91:LEU:N	1:B:87:HIS:O	14	0.21
(1,987)	1:B:91:LEU:N	1:A:87:HIS:O	14	0.21
(1,987)	1:B:91:LEU:N	1:B:87:HIS:O	14	0.21
(1,981)	1:A:88:LEU:N	1:A:84:THR:O	20	0.21
(1,981)	1:A:88:LEU:N	1:B:84:THR:O	20	0.21
(1,981)	1:B:88:LEU:N	1:A:84:THR:O	20	0.21
(1,981)	1:B:88:LEU:N	1:B:84:THR:O	20	0.21
(1,979)	1:A:87:HIS:N	1:A:83:MET:O	18	0.21
(1,979)	1:A:87:HIS:N	1:B:83:MET:O	18	0.21
(1,979)	1:B:87:HIS:N	1:A:83:MET:O	18	0.21
(1,979)	1:B:87:HIS:N	1:B:83:MET:O	18	0.21
(1,979)	1:A:87:HIS:N	1:A:83:MET:O	20	0.21
(1,979)	1:A:87:HIS:N	1:B:83:MET:O	20	0.21
(1,979)	1:B:87:HIS:N	1:A:83:MET:O	20	0.21
(1,979)	1:B:87:HIS:N	1:B:83:MET:O	20	0.21
(1,976)	1:A:86:LYS:H	1:A:82:GLU:O	12	0.21
(1,976)	1:A:86:LYS:H	1:B:82:GLU:O	12	0.21
(1,976)	1:B:86:LYS:H	1:A:82:GLU:O	12	0.21
(1,976)	1:B:86:LYS:H	1:B:82:GLU:O	12	0.21
(1,961)	1:A:88:LEU:N	1:A:84:THR:O	20	0.21
(1,961)	1:A:88:LEU:N	1:B:84:THR:O	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:B:88:LEU:N	1:A:84:THR:O	20	0.21
(1,961)	1:B:88:LEU:N	1:B:84:THR:O	20	0.21
(1,959)	1:A:87:HIS:N	1:A:83:MET:O	18	0.21
(1,959)	1:A:87:HIS:N	1:B:83:MET:O	18	0.21
(1,959)	1:B:87:HIS:N	1:A:83:MET:O	18	0.21
(1,959)	1:B:87:HIS:N	1:B:83:MET:O	18	0.21
(1,959)	1:A:87:HIS:N	1:A:83:MET:O	20	0.21
(1,959)	1:A:87:HIS:N	1:B:83:MET:O	20	0.21
(1,959)	1:B:87:HIS:N	1:A:83:MET:O	20	0.21
(1,959)	1:B:87:HIS:N	1:B:83:MET:O	20	0.21
(1,956)	1:A:86:LYS:H	1:A:82:GLU:O	12	0.21
(1,956)	1:A:86:LYS:H	1:B:82:GLU:O	12	0.21
(1,956)	1:B:86:LYS:H	1:A:82:GLU:O	12	0.21
(1,956)	1:B:86:LYS:H	1:B:82:GLU:O	12	0.21
(1,945)	1:A:80:ILE:N	1:A:76:GLU:O	4	0.21
(1,945)	1:A:80:ILE:N	1:B:76:GLU:O	4	0.21
(1,945)	1:B:80:ILE:N	1:A:76:GLU:O	4	0.21
(1,945)	1:B:80:ILE:N	1:B:76:GLU:O	4	0.21
(1,945)	1:A:80:ILE:N	1:A:76:GLU:O	5	0.21
(1,945)	1:A:80:ILE:N	1:B:76:GLU:O	5	0.21
(1,945)	1:B:80:ILE:N	1:A:76:GLU:O	5	0.21
(1,945)	1:B:80:ILE:N	1:B:76:GLU:O	5	0.21
(1,945)	1:A:80:ILE:N	1:A:76:GLU:O	11	0.21
(1,945)	1:A:80:ILE:N	1:B:76:GLU:O	11	0.21
(1,945)	1:B:80:ILE:N	1:A:76:GLU:O	11	0.21
(1,945)	1:B:80:ILE:N	1:B:76:GLU:O	11	0.21
(1,945)	1:A:80:ILE:N	1:A:76:GLU:O	15	0.21
(1,945)	1:A:80:ILE:N	1:B:76:GLU:O	15	0.21
(1,945)	1:B:80:ILE:N	1:A:76:GLU:O	15	0.21
(1,945)	1:B:80:ILE:N	1:B:76:GLU:O	15	0.21
(1,945)	1:A:80:ILE:N	1:A:76:GLU:O	17	0.21
(1,945)	1:A:80:ILE:N	1:B:76:GLU:O	17	0.21
(1,945)	1:B:80:ILE:N	1:A:76:GLU:O	17	0.21
(1,945)	1:B:80:ILE:N	1:B:76:GLU:O	17	0.21
(1,930)	1:A:72:HIS:H	1:A:68:ASP:O	8	0.21
(1,930)	1:A:72:HIS:H	1:B:68:ASP:O	8	0.21
(1,930)	1:B:72:HIS:H	1:A:68:ASP:O	8	0.21
(1,930)	1:B:72:HIS:H	1:B:68:ASP:O	8	0.21
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	9	0.21
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	9	0.21
(1,781)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	9	0.21
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	9	0.21
(1,781)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	9	0.21
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	9	0.21
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	9	0.21
(1,781)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	9	0.21
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	9	0.21
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	9	0.21
(1,781)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	9	0.21
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD21	9	0.21
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD22	9	0.21
(1,781)	1:A:64:ALA:HB3	1:A:65:LEU:HD23	9	0.21
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD21	9	0.21
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD22	9	0.21
(1,781)	1:A:64:ALA:HB3	1:B:65:LEU:HD23	9	0.21
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	9	0.21
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	9	0.21
(1,781)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	9	0.21
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	9	0.21
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	9	0.21
(1,781)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	9	0.21
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	9	0.21
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	9	0.21
(1,781)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	9	0.21
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	9	0.21
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	9	0.21
(1,781)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	9	0.21
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD21	9	0.21
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD22	9	0.21
(1,781)	1:B:64:ALA:HB3	1:A:65:LEU:HD23	9	0.21
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD21	9	0.21
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD22	9	0.21
(1,781)	1:B:64:ALA:HB3	1:B:65:LEU:HD23	9	0.21
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD11	12	0.21
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD12	12	0.21
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD13	12	0.21
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD11	12	0.21
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD12	12	0.21
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD13	12	0.21
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD11	12	0.21
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD12	12	0.21
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD13	12	0.21
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD11	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD12	12	0.21
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD13	12	0.21
(1,738)	1:A:76:GLU:HA	1:A:79:ASP:HB2	20	0.21
(1,738)	1:A:76:GLU:HA	1:B:79:ASP:HB2	20	0.21
(1,738)	1:B:76:GLU:HA	1:A:79:ASP:HB2	20	0.21
(1,738)	1:B:76:GLU:HA	1:B:79:ASP:HB2	20	0.21
(1,484)	1:A:91:LEU:HA	1:A:93:ARG:HA	7	0.21
(1,484)	1:A:91:LEU:HA	1:B:93:ARG:HA	7	0.21
(1,484)	1:B:91:LEU:HA	1:A:93:ARG:HA	7	0.21
(1,484)	1:B:91:LEU:HA	1:B:93:ARG:HA	7	0.21
(1,484)	1:A:91:LEU:HA	1:A:93:ARG:HA	8	0.21
(1,484)	1:A:91:LEU:HA	1:B:93:ARG:HA	8	0.21
(1,484)	1:B:91:LEU:HA	1:A:93:ARG:HA	8	0.21
(1,484)	1:B:91:LEU:HA	1:B:93:ARG:HA	8	0.21
(1,484)	1:A:91:LEU:HA	1:A:93:ARG:HA	15	0.21
(1,484)	1:A:91:LEU:HA	1:B:93:ARG:HA	15	0.21
(1,484)	1:B:91:LEU:HA	1:A:93:ARG:HA	15	0.21
(1,484)	1:B:91:LEU:HA	1:B:93:ARG:HA	15	0.21
(1,275)	1:A:86:LYS:HG2	1:A:88:LEU:H	9	0.21
(1,275)	1:A:86:LYS:HG2	1:B:88:LEU:H	9	0.21
(1,275)	1:B:86:LYS:HG2	1:A:88:LEU:H	9	0.21
(1,275)	1:B:86:LYS:HG2	1:B:88:LEU:H	9	0.21
(1,189)	1:A:75:LEU:HA	1:A:79:ASP:H	5	0.21
(1,189)	1:A:75:LEU:HA	1:B:79:ASP:H	5	0.21
(1,189)	1:B:75:LEU:HA	1:A:79:ASP:H	5	0.21
(1,189)	1:B:75:LEU:HA	1:B:79:ASP:H	5	0.21
(1,189)	1:A:75:LEU:HA	1:A:79:ASP:H	17	0.21
(1,189)	1:A:75:LEU:HA	1:B:79:ASP:H	17	0.21
(1,189)	1:B:75:LEU:HA	1:A:79:ASP:H	17	0.21
(1,189)	1:B:75:LEU:HA	1:B:79:ASP:H	17	0.21
(1,12)	1:A:61:ILE:HA	1:A:62:LEU:H	3	0.21
(1,12)	1:A:61:ILE:HA	1:B:62:LEU:H	3	0.21
(1,12)	1:B:61:ILE:HA	1:A:62:LEU:H	3	0.21
(1,12)	1:B:61:ILE:HA	1:B:62:LEU:H	3	0.21
(1,12)	1:A:61:ILE:HA	1:A:62:LEU:H	6	0.21
(1,12)	1:A:61:ILE:HA	1:B:62:LEU:H	6	0.21
(1,12)	1:B:61:ILE:HA	1:A:62:LEU:H	6	0.21
(1,12)	1:B:61:ILE:HA	1:B:62:LEU:H	6	0.21
(1,12)	1:A:61:ILE:HA	1:A:62:LEU:H	8	0.21
(1,12)	1:A:61:ILE:HA	1:B:62:LEU:H	8	0.21
(1,12)	1:B:61:ILE:HA	1:A:62:LEU:H	8	0.21
(1,12)	1:B:61:ILE:HA	1:B:62:LEU:H	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12)	1:A:61:ILE:HA	1:A:62:LEU:H	19	0.21
(1,12)	1:A:61:ILE:HA	1:B:62:LEU:H	19	0.21
(1,12)	1:B:61:ILE:HA	1:A:62:LEU:H	19	0.21
(1,12)	1:B:61:ILE:HA	1:B:62:LEU:H	19	0.21
(1,991)	1:A:93:ARG:N	1:A:89:ARG:O	9	0.2
(1,991)	1:A:93:ARG:N	1:B:89:ARG:O	9	0.2
(1,991)	1:B:93:ARG:N	1:A:89:ARG:O	9	0.2
(1,991)	1:B:93:ARG:N	1:B:89:ARG:O	9	0.2
(1,991)	1:A:93:ARG:N	1:A:89:ARG:O	13	0.2
(1,991)	1:A:93:ARG:N	1:B:89:ARG:O	13	0.2
(1,991)	1:B:93:ARG:N	1:A:89:ARG:O	13	0.2
(1,991)	1:B:93:ARG:N	1:B:89:ARG:O	13	0.2
(1,991)	1:A:93:ARG:N	1:A:89:ARG:O	17	0.2
(1,991)	1:A:93:ARG:N	1:B:89:ARG:O	17	0.2
(1,991)	1:B:93:ARG:N	1:A:89:ARG:O	17	0.2
(1,991)	1:B:93:ARG:N	1:B:89:ARG:O	17	0.2
(1,989)	1:A:92:GLN:N	1:A:88:LEU:O	19	0.2
(1,989)	1:A:92:GLN:N	1:B:88:LEU:O	19	0.2
(1,989)	1:B:92:GLN:N	1:A:88:LEU:O	19	0.2
(1,989)	1:B:92:GLN:N	1:B:88:LEU:O	19	0.2
(1,987)	1:A:91:LEU:N	1:A:87:HIS:O	2	0.2
(1,987)	1:A:91:LEU:N	1:B:87:HIS:O	2	0.2
(1,987)	1:B:91:LEU:N	1:A:87:HIS:O	2	0.2
(1,987)	1:B:91:LEU:N	1:B:87:HIS:O	2	0.2
(1,979)	1:A:87:HIS:N	1:A:83:MET:O	4	0.2
(1,979)	1:A:87:HIS:N	1:B:83:MET:O	4	0.2
(1,979)	1:B:87:HIS:N	1:A:83:MET:O	4	0.2
(1,979)	1:B:87:HIS:N	1:B:83:MET:O	4	0.2
(1,979)	1:A:87:HIS:N	1:A:83:MET:O	6	0.2
(1,979)	1:A:87:HIS:N	1:B:83:MET:O	6	0.2
(1,979)	1:B:87:HIS:N	1:A:83:MET:O	6	0.2
(1,979)	1:B:87:HIS:N	1:B:83:MET:O	6	0.2
(1,979)	1:A:87:HIS:N	1:A:83:MET:O	10	0.2
(1,979)	1:A:87:HIS:N	1:B:83:MET:O	10	0.2
(1,979)	1:B:87:HIS:N	1:A:83:MET:O	10	0.2
(1,979)	1:B:87:HIS:N	1:B:83:MET:O	10	0.2
(1,976)	1:A:86:LYS:H	1:A:82:GLU:O	1	0.2
(1,976)	1:A:86:LYS:H	1:B:82:GLU:O	1	0.2
(1,976)	1:B:86:LYS:H	1:A:82:GLU:O	1	0.2
(1,976)	1:B:86:LYS:H	1:B:82:GLU:O	1	0.2
(1,976)	1:A:86:LYS:H	1:A:82:GLU:O	3	0.2
(1,976)	1:A:86:LYS:H	1:B:82:GLU:O	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,976)	1:B:86:LYS:H	1:A:82:GLU:O	3	0.2
(1,976)	1:B:86:LYS:H	1:B:82:GLU:O	3	0.2
(1,976)	1:A:86:LYS:H	1:A:82:GLU:O	7	0.2
(1,976)	1:A:86:LYS:H	1:B:82:GLU:O	7	0.2
(1,976)	1:B:86:LYS:H	1:A:82:GLU:O	7	0.2
(1,976)	1:B:86:LYS:H	1:B:82:GLU:O	7	0.2
(1,976)	1:A:86:LYS:H	1:A:82:GLU:O	11	0.2
(1,976)	1:A:86:LYS:H	1:B:82:GLU:O	11	0.2
(1,976)	1:B:86:LYS:H	1:A:82:GLU:O	11	0.2
(1,976)	1:B:86:LYS:H	1:B:82:GLU:O	11	0.2
(1,976)	1:A:86:LYS:H	1:A:82:GLU:O	17	0.2
(1,976)	1:A:86:LYS:H	1:B:82:GLU:O	17	0.2
(1,976)	1:B:86:LYS:H	1:A:82:GLU:O	17	0.2
(1,976)	1:B:86:LYS:H	1:B:82:GLU:O	17	0.2
(1,976)	1:A:86:LYS:H	1:A:82:GLU:O	18	0.2
(1,976)	1:A:86:LYS:H	1:B:82:GLU:O	18	0.2
(1,976)	1:B:86:LYS:H	1:A:82:GLU:O	18	0.2
(1,976)	1:B:86:LYS:H	1:B:82:GLU:O	18	0.2
(1,971)	1:A:83:MET:N	1:A:79:ASP:O	1	0.2
(1,971)	1:A:83:MET:N	1:B:79:ASP:O	1	0.2
(1,971)	1:B:83:MET:N	1:A:79:ASP:O	1	0.2
(1,971)	1:B:83:MET:N	1:B:79:ASP:O	1	0.2
(1,971)	1:A:83:MET:N	1:A:79:ASP:O	13	0.2
(1,971)	1:A:83:MET:N	1:B:79:ASP:O	13	0.2
(1,971)	1:B:83:MET:N	1:A:79:ASP:O	13	0.2
(1,971)	1:B:83:MET:N	1:B:79:ASP:O	13	0.2
(1,967)	1:A:81:LEU:N	1:A:77:LYS:O	11	0.2
(1,967)	1:A:81:LEU:N	1:B:77:LYS:O	11	0.2
(1,967)	1:B:81:LEU:N	1:A:77:LYS:O	11	0.2
(1,967)	1:B:81:LEU:N	1:B:77:LYS:O	11	0.2
(1,959)	1:A:87:HIS:N	1:A:83:MET:O	4	0.2
(1,959)	1:A:87:HIS:N	1:B:83:MET:O	4	0.2
(1,959)	1:B:87:HIS:N	1:A:83:MET:O	4	0.2
(1,959)	1:B:87:HIS:N	1:B:83:MET:O	4	0.2
(1,959)	1:A:87:HIS:N	1:A:83:MET:O	6	0.2
(1,959)	1:A:87:HIS:N	1:B:83:MET:O	6	0.2
(1,959)	1:B:87:HIS:N	1:A:83:MET:O	6	0.2
(1,959)	1:B:87:HIS:N	1:B:83:MET:O	6	0.2
(1,959)	1:A:87:HIS:N	1:A:83:MET:O	10	0.2
(1,959)	1:A:87:HIS:N	1:B:83:MET:O	10	0.2
(1,959)	1:B:87:HIS:N	1:A:83:MET:O	10	0.2
(1,959)	1:B:87:HIS:N	1:B:83:MET:O	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:A:86:LYS:H	1:A:82:GLU:O	1	0.2
(1,956)	1:A:86:LYS:H	1:B:82:GLU:O	1	0.2
(1,956)	1:B:86:LYS:H	1:A:82:GLU:O	1	0.2
(1,956)	1:B:86:LYS:H	1:B:82:GLU:O	1	0.2
(1,956)	1:A:86:LYS:H	1:A:82:GLU:O	3	0.2
(1,956)	1:A:86:LYS:H	1:B:82:GLU:O	3	0.2
(1,956)	1:B:86:LYS:H	1:A:82:GLU:O	3	0.2
(1,956)	1:B:86:LYS:H	1:B:82:GLU:O	3	0.2
(1,956)	1:A:86:LYS:H	1:A:82:GLU:O	7	0.2
(1,956)	1:A:86:LYS:H	1:B:82:GLU:O	7	0.2
(1,956)	1:B:86:LYS:H	1:A:82:GLU:O	7	0.2
(1,956)	1:B:86:LYS:H	1:B:82:GLU:O	7	0.2
(1,956)	1:A:86:LYS:H	1:A:82:GLU:O	11	0.2
(1,956)	1:A:86:LYS:H	1:B:82:GLU:O	11	0.2
(1,956)	1:B:86:LYS:H	1:A:82:GLU:O	11	0.2
(1,956)	1:B:86:LYS:H	1:B:82:GLU:O	11	0.2
(1,956)	1:A:86:LYS:H	1:A:82:GLU:O	17	0.2
(1,956)	1:A:86:LYS:H	1:B:82:GLU:O	17	0.2
(1,956)	1:B:86:LYS:H	1:A:82:GLU:O	17	0.2
(1,956)	1:B:86:LYS:H	1:B:82:GLU:O	17	0.2
(1,956)	1:A:86:LYS:H	1:A:82:GLU:O	18	0.2
(1,956)	1:A:86:LYS:H	1:B:82:GLU:O	18	0.2
(1,956)	1:B:86:LYS:H	1:A:82:GLU:O	18	0.2
(1,956)	1:B:86:LYS:H	1:B:82:GLU:O	18	0.2
(1,951)	1:A:83:MET:N	1:A:79:ASP:O	1	0.2
(1,951)	1:A:83:MET:N	1:B:79:ASP:O	1	0.2
(1,951)	1:B:83:MET:N	1:A:79:ASP:O	1	0.2
(1,951)	1:B:83:MET:N	1:B:79:ASP:O	1	0.2
(1,951)	1:A:83:MET:N	1:A:79:ASP:O	13	0.2
(1,951)	1:A:83:MET:N	1:B:79:ASP:O	13	0.2
(1,951)	1:B:83:MET:N	1:A:79:ASP:O	13	0.2
(1,951)	1:B:83:MET:N	1:B:79:ASP:O	13	0.2
(1,947)	1:A:81:LEU:N	1:A:77:LYS:O	11	0.2
(1,947)	1:A:81:LEU:N	1:B:77:LYS:O	11	0.2
(1,947)	1:B:81:LEU:N	1:A:77:LYS:O	11	0.2
(1,947)	1:B:81:LEU:N	1:B:77:LYS:O	11	0.2
(1,945)	1:A:80:ILE:N	1:A:76:GLU:O	2	0.2
(1,945)	1:A:80:ILE:N	1:B:76:GLU:O	2	0.2
(1,945)	1:B:80:ILE:N	1:A:76:GLU:O	2	0.2
(1,945)	1:B:80:ILE:N	1:B:76:GLU:O	2	0.2
(1,788)	1:A:65:LEU:HG	1:A:66:LYS:H	5	0.2
(1,788)	1:A:65:LEU:HG	1:B:66:LYS:H	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:B:65:LEU:HG	1:A:66:LYS:H	5	0.2
(1,788)	1:B:65:LEU:HG	1:B:66:LYS:H	5	0.2
(1,782)	1:A:64:ALA:HB1	1:A:66:LYS:H	16	0.2
(1,782)	1:A:64:ALA:HB1	1:B:66:LYS:H	16	0.2
(1,782)	1:A:64:ALA:HB2	1:A:66:LYS:H	16	0.2
(1,782)	1:A:64:ALA:HB2	1:B:66:LYS:H	16	0.2
(1,782)	1:A:64:ALA:HB3	1:A:66:LYS:H	16	0.2
(1,782)	1:A:64:ALA:HB3	1:B:66:LYS:H	16	0.2
(1,782)	1:B:64:ALA:HB1	1:A:66:LYS:H	16	0.2
(1,782)	1:B:64:ALA:HB1	1:B:66:LYS:H	16	0.2
(1,782)	1:B:64:ALA:HB2	1:A:66:LYS:H	16	0.2
(1,782)	1:B:64:ALA:HB2	1:B:66:LYS:H	16	0.2
(1,782)	1:B:64:ALA:HB3	1:A:66:LYS:H	16	0.2
(1,782)	1:B:64:ALA:HB3	1:B:66:LYS:H	16	0.2
(1,768)	1:A:86:LYS:H	1:A:86:LYS:HD3	13	0.2
(1,768)	1:A:86:LYS:H	1:B:86:LYS:HD3	13	0.2
(1,768)	1:B:86:LYS:H	1:A:86:LYS:HD3	13	0.2
(1,768)	1:B:86:LYS:H	1:B:86:LYS:HD3	13	0.2
(1,700)	1:A:87:HIS:HD1	1:A:91:LEU:HA	1	0.2
(1,700)	1:A:87:HIS:HD1	1:B:91:LEU:HA	1	0.2
(1,700)	1:B:87:HIS:HD1	1:A:91:LEU:HA	1	0.2
(1,700)	1:B:87:HIS:HD1	1:B:91:LEU:HA	1	0.2
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	1	0.2
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	1	0.2
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	1	0.2
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	1	0.2
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	1	0.2
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	1	0.2
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	1	0.2
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	1	0.2
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	1	0.2
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	1	0.2
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	1	0.2
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	1	0.2
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE1	5	0.2
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE2	5	0.2
(1,558)	1:A:81:LEU:HA	1:A:83:MET:HE3	5	0.2
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE1	5	0.2
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE2	5	0.2
(1,558)	1:A:81:LEU:HA	1:B:83:MET:HE3	5	0.2
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE1	5	0.2
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE2	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:B:81:LEU:HA	1:A:83:MET:HE3	5	0.2
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE1	5	0.2
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE2	5	0.2
(1,558)	1:B:81:LEU:HA	1:B:83:MET:HE3	5	0.2
(1,52)	1:A:71:ARG:HB2	1:A:72:HIS:H	3	0.2
(1,52)	1:A:71:ARG:HB2	1:B:72:HIS:H	3	0.2
(1,52)	1:A:71:ARG:HB3	1:A:72:HIS:H	3	0.2
(1,52)	1:A:71:ARG:HB3	1:B:72:HIS:H	3	0.2
(1,52)	1:B:71:ARG:HB2	1:A:72:HIS:H	3	0.2
(1,52)	1:B:71:ARG:HB2	1:B:72:HIS:H	3	0.2
(1,52)	1:B:71:ARG:HB3	1:A:72:HIS:H	3	0.2
(1,52)	1:B:71:ARG:HB3	1:B:72:HIS:H	3	0.2
(1,484)	1:A:91:LEU:HA	1:A:93:ARG:HA	4	0.2
(1,484)	1:A:91:LEU:HA	1:B:93:ARG:HA	4	0.2
(1,484)	1:B:91:LEU:HA	1:A:93:ARG:HA	4	0.2
(1,484)	1:B:91:LEU:HA	1:B:93:ARG:HA	4	0.2
(1,363)	1:A:68:ASP:HA	1:A:72:HIS:H	9	0.2
(1,363)	1:A:68:ASP:HA	1:B:72:HIS:H	9	0.2
(1,363)	1:B:68:ASP:HA	1:A:72:HIS:H	9	0.2
(1,363)	1:B:68:ASP:HA	1:B:72:HIS:H	9	0.2
(1,363)	1:A:68:ASP:HA	1:A:72:HIS:H	15	0.2
(1,363)	1:A:68:ASP:HA	1:B:72:HIS:H	15	0.2
(1,363)	1:B:68:ASP:HA	1:A:72:HIS:H	15	0.2
(1,363)	1:B:68:ASP:HA	1:B:72:HIS:H	15	0.2
(1,316)	1:A:90:ASN:H	1:A:91:LEU:HG	1	0.2
(1,316)	1:A:90:ASN:H	1:B:91:LEU:HG	1	0.2
(1,316)	1:B:90:ASN:H	1:A:91:LEU:HG	1	0.2
(1,316)	1:B:90:ASN:H	1:B:91:LEU:HG	1	0.2
(1,316)	1:A:90:ASN:H	1:A:91:LEU:HG	14	0.2
(1,316)	1:A:90:ASN:H	1:B:91:LEU:HG	14	0.2
(1,316)	1:B:90:ASN:H	1:A:91:LEU:HG	14	0.2
(1,316)	1:B:90:ASN:H	1:B:91:LEU:HG	14	0.2
(1,277)	1:A:54:LEU:HD21	1:A:80:ILE:H	4	0.2
(1,277)	1:A:54:LEU:HD21	1:B:80:ILE:H	4	0.2
(1,277)	1:B:54:LEU:HD21	1:A:80:ILE:H	4	0.2
(1,277)	1:B:54:LEU:HD21	1:B:80:ILE:H	4	0.2
(1,277)	1:B:54:LEU:HD22	1:A:80:ILE:H	4	0.2
(1,277)	1:B:54:LEU:HD22	1:B:80:ILE:H	4	0.2
(1,277)	1:B:54:LEU:HD23	1:A:80:ILE:H	4	0.2
(1,277)	1:B:54:LEU:HD23	1:B:80:ILE:H	4	0.2
(1,275)	1:A:86:LYS:HG2	1:A:88:LEU:H	11	0.2
(1,275)	1:A:86:LYS:HG2	1:B:88:LEU:H	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,275)	1:B:86:LYS:HG2	1:A:88:LEU:H	11	0.2
(1,275)	1:B:86:LYS:HG2	1:B:88:LEU:H	11	0.2
(1,12)	1:A:61:ILE:HA	1:A:62:LEU:H	13	0.2
(1,12)	1:A:61:ILE:HA	1:B:62:LEU:H	13	0.2
(1,12)	1:B:61:ILE:HA	1:A:62:LEU:H	13	0.2
(1,12)	1:B:61:ILE:HA	1:B:62:LEU:H	13	0.2
(1,987)	1:A:91:LEU:N	1:A:87:HIS:O	11	0.19
(1,987)	1:A:91:LEU:N	1:B:87:HIS:O	11	0.19
(1,987)	1:B:91:LEU:N	1:A:87:HIS:O	11	0.19
(1,987)	1:B:91:LEU:N	1:B:87:HIS:O	11	0.19
(1,981)	1:A:88:LEU:N	1:A:84:THR:O	4	0.19
(1,981)	1:A:88:LEU:N	1:B:84:THR:O	4	0.19
(1,981)	1:B:88:LEU:N	1:A:84:THR:O	4	0.19
(1,981)	1:B:88:LEU:N	1:B:84:THR:O	4	0.19
(1,981)	1:A:88:LEU:N	1:A:84:THR:O	10	0.19
(1,981)	1:A:88:LEU:N	1:B:84:THR:O	10	0.19
(1,981)	1:B:88:LEU:N	1:A:84:THR:O	10	0.19
(1,981)	1:B:88:LEU:N	1:B:84:THR:O	10	0.19
(1,979)	1:A:87:HIS:N	1:A:83:MET:O	8	0.19
(1,979)	1:A:87:HIS:N	1:B:83:MET:O	8	0.19
(1,979)	1:B:87:HIS:N	1:A:83:MET:O	8	0.19
(1,979)	1:B:87:HIS:N	1:B:83:MET:O	8	0.19
(1,979)	1:A:87:HIS:N	1:A:83:MET:O	15	0.19
(1,979)	1:A:87:HIS:N	1:B:83:MET:O	15	0.19
(1,979)	1:B:87:HIS:N	1:A:83:MET:O	15	0.19
(1,979)	1:B:87:HIS:N	1:B:83:MET:O	15	0.19
(1,976)	1:A:86:LYS:H	1:A:82:GLU:O	4	0.19
(1,976)	1:A:86:LYS:H	1:B:82:GLU:O	4	0.19
(1,976)	1:B:86:LYS:H	1:A:82:GLU:O	4	0.19
(1,976)	1:B:86:LYS:H	1:B:82:GLU:O	4	0.19
(1,976)	1:A:86:LYS:H	1:A:82:GLU:O	6	0.19
(1,976)	1:A:86:LYS:H	1:B:82:GLU:O	6	0.19
(1,976)	1:B:86:LYS:H	1:A:82:GLU:O	6	0.19
(1,976)	1:B:86:LYS:H	1:B:82:GLU:O	6	0.19
(1,976)	1:A:86:LYS:H	1:A:82:GLU:O	8	0.19
(1,976)	1:A:86:LYS:H	1:B:82:GLU:O	8	0.19
(1,976)	1:B:86:LYS:H	1:A:82:GLU:O	8	0.19
(1,976)	1:B:86:LYS:H	1:B:82:GLU:O	8	0.19
(1,976)	1:A:86:LYS:H	1:A:82:GLU:O	10	0.19
(1,976)	1:A:86:LYS:H	1:B:82:GLU:O	10	0.19
(1,976)	1:B:86:LYS:H	1:A:82:GLU:O	10	0.19
(1,976)	1:B:86:LYS:H	1:B:82:GLU:O	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,976)	1:A:86:LYS:H	1:A:82:GLU:O	13	0.19
(1,976)	1:A:86:LYS:H	1:B:82:GLU:O	13	0.19
(1,976)	1:B:86:LYS:H	1:A:82:GLU:O	13	0.19
(1,976)	1:B:86:LYS:H	1:B:82:GLU:O	13	0.19
(1,976)	1:A:86:LYS:H	1:A:82:GLU:O	15	0.19
(1,976)	1:A:86:LYS:H	1:B:82:GLU:O	15	0.19
(1,976)	1:B:86:LYS:H	1:A:82:GLU:O	15	0.19
(1,976)	1:B:86:LYS:H	1:B:82:GLU:O	15	0.19
(1,976)	1:A:86:LYS:H	1:A:82:GLU:O	16	0.19
(1,976)	1:A:86:LYS:H	1:B:82:GLU:O	16	0.19
(1,976)	1:B:86:LYS:H	1:A:82:GLU:O	16	0.19
(1,976)	1:B:86:LYS:H	1:B:82:GLU:O	16	0.19
(1,971)	1:A:83:MET:N	1:A:79:ASP:O	14	0.19
(1,971)	1:A:83:MET:N	1:B:79:ASP:O	14	0.19
(1,971)	1:B:83:MET:N	1:A:79:ASP:O	14	0.19
(1,971)	1:B:83:MET:N	1:B:79:ASP:O	14	0.19
(1,971)	1:A:83:MET:N	1:A:79:ASP:O	17	0.19
(1,971)	1:A:83:MET:N	1:B:79:ASP:O	17	0.19
(1,971)	1:B:83:MET:N	1:A:79:ASP:O	17	0.19
(1,971)	1:B:83:MET:N	1:B:79:ASP:O	17	0.19
(1,967)	1:A:81:LEU:N	1:A:77:LYS:O	4	0.19
(1,967)	1:A:81:LEU:N	1:B:77:LYS:O	4	0.19
(1,967)	1:B:81:LEU:N	1:A:77:LYS:O	4	0.19
(1,967)	1:B:81:LEU:N	1:B:77:LYS:O	4	0.19
(1,967)	1:A:81:LEU:N	1:A:77:LYS:O	9	0.19
(1,967)	1:A:81:LEU:N	1:B:77:LYS:O	9	0.19
(1,967)	1:B:81:LEU:N	1:A:77:LYS:O	9	0.19
(1,967)	1:B:81:LEU:N	1:B:77:LYS:O	9	0.19
(1,967)	1:A:81:LEU:N	1:A:77:LYS:O	10	0.19
(1,967)	1:A:81:LEU:N	1:B:77:LYS:O	10	0.19
(1,967)	1:B:81:LEU:N	1:A:77:LYS:O	10	0.19
(1,967)	1:B:81:LEU:N	1:B:77:LYS:O	10	0.19
(1,967)	1:A:81:LEU:N	1:A:77:LYS:O	19	0.19
(1,967)	1:A:81:LEU:N	1:B:77:LYS:O	19	0.19
(1,967)	1:B:81:LEU:N	1:A:77:LYS:O	19	0.19
(1,967)	1:B:81:LEU:N	1:B:77:LYS:O	19	0.19
(1,961)	1:A:88:LEU:N	1:A:84:THR:O	4	0.19
(1,961)	1:A:88:LEU:N	1:B:84:THR:O	4	0.19
(1,961)	1:B:88:LEU:N	1:A:84:THR:O	4	0.19
(1,961)	1:B:88:LEU:N	1:B:84:THR:O	4	0.19
(1,961)	1:A:88:LEU:N	1:A:84:THR:O	10	0.19
(1,961)	1:A:88:LEU:N	1:B:84:THR:O	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:B:88:LEU:N	1:A:84:THR:O	10	0.19
(1,961)	1:B:88:LEU:N	1:B:84:THR:O	10	0.19
(1,959)	1:A:87:HIS:N	1:A:83:MET:O	8	0.19
(1,959)	1:A:87:HIS:N	1:B:83:MET:O	8	0.19
(1,959)	1:B:87:HIS:N	1:A:83:MET:O	8	0.19
(1,959)	1:B:87:HIS:N	1:B:83:MET:O	8	0.19
(1,959)	1:A:87:HIS:N	1:A:83:MET:O	15	0.19
(1,959)	1:A:87:HIS:N	1:B:83:MET:O	15	0.19
(1,959)	1:B:87:HIS:N	1:A:83:MET:O	15	0.19
(1,959)	1:B:87:HIS:N	1:B:83:MET:O	15	0.19
(1,956)	1:A:86:LYS:H	1:A:82:GLU:O	4	0.19
(1,956)	1:A:86:LYS:H	1:B:82:GLU:O	4	0.19
(1,956)	1:B:86:LYS:H	1:A:82:GLU:O	4	0.19
(1,956)	1:B:86:LYS:H	1:B:82:GLU:O	4	0.19
(1,956)	1:A:86:LYS:H	1:A:82:GLU:O	6	0.19
(1,956)	1:A:86:LYS:H	1:B:82:GLU:O	6	0.19
(1,956)	1:B:86:LYS:H	1:A:82:GLU:O	6	0.19
(1,956)	1:B:86:LYS:H	1:B:82:GLU:O	6	0.19
(1,956)	1:A:86:LYS:H	1:A:82:GLU:O	8	0.19
(1,956)	1:A:86:LYS:H	1:B:82:GLU:O	8	0.19
(1,956)	1:B:86:LYS:H	1:A:82:GLU:O	8	0.19
(1,956)	1:B:86:LYS:H	1:B:82:GLU:O	8	0.19
(1,956)	1:A:86:LYS:H	1:A:82:GLU:O	10	0.19
(1,956)	1:A:86:LYS:H	1:B:82:GLU:O	10	0.19
(1,956)	1:B:86:LYS:H	1:A:82:GLU:O	10	0.19
(1,956)	1:B:86:LYS:H	1:B:82:GLU:O	10	0.19
(1,956)	1:A:86:LYS:H	1:A:82:GLU:O	13	0.19
(1,956)	1:A:86:LYS:H	1:B:82:GLU:O	13	0.19
(1,956)	1:B:86:LYS:H	1:A:82:GLU:O	13	0.19
(1,956)	1:B:86:LYS:H	1:B:82:GLU:O	13	0.19
(1,956)	1:A:86:LYS:H	1:A:82:GLU:O	15	0.19
(1,956)	1:A:86:LYS:H	1:B:82:GLU:O	15	0.19
(1,956)	1:B:86:LYS:H	1:A:82:GLU:O	15	0.19
(1,956)	1:B:86:LYS:H	1:B:82:GLU:O	15	0.19
(1,956)	1:A:86:LYS:H	1:A:82:GLU:O	16	0.19
(1,956)	1:A:86:LYS:H	1:B:82:GLU:O	16	0.19
(1,956)	1:B:86:LYS:H	1:A:82:GLU:O	16	0.19
(1,956)	1:B:86:LYS:H	1:B:82:GLU:O	16	0.19
(1,951)	1:A:83:MET:N	1:A:79:ASP:O	14	0.19
(1,951)	1:A:83:MET:N	1:B:79:ASP:O	14	0.19
(1,951)	1:B:83:MET:N	1:A:79:ASP:O	14	0.19
(1,951)	1:B:83:MET:N	1:B:79:ASP:O	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,951)	1:A:83:MET:N	1:A:79:ASP:O	17	0.19
(1,951)	1:A:83:MET:N	1:B:79:ASP:O	17	0.19
(1,951)	1:B:83:MET:N	1:A:79:ASP:O	17	0.19
(1,951)	1:B:83:MET:N	1:B:79:ASP:O	17	0.19
(1,947)	1:A:81:LEU:N	1:A:77:LYS:O	4	0.19
(1,947)	1:A:81:LEU:N	1:B:77:LYS:O	4	0.19
(1,947)	1:B:81:LEU:N	1:A:77:LYS:O	4	0.19
(1,947)	1:B:81:LEU:N	1:B:77:LYS:O	4	0.19
(1,947)	1:A:81:LEU:N	1:A:77:LYS:O	9	0.19
(1,947)	1:A:81:LEU:N	1:B:77:LYS:O	9	0.19
(1,947)	1:B:81:LEU:N	1:A:77:LYS:O	9	0.19
(1,947)	1:B:81:LEU:N	1:B:77:LYS:O	9	0.19
(1,947)	1:A:81:LEU:N	1:A:77:LYS:O	10	0.19
(1,947)	1:A:81:LEU:N	1:B:77:LYS:O	10	0.19
(1,947)	1:B:81:LEU:N	1:A:77:LYS:O	10	0.19
(1,947)	1:B:81:LEU:N	1:B:77:LYS:O	10	0.19
(1,947)	1:A:81:LEU:N	1:A:77:LYS:O	19	0.19
(1,947)	1:A:81:LEU:N	1:B:77:LYS:O	19	0.19
(1,947)	1:B:81:LEU:N	1:A:77:LYS:O	19	0.19
(1,947)	1:B:81:LEU:N	1:B:77:LYS:O	19	0.19
(1,945)	1:A:80:ILE:N	1:A:76:GLU:O	6	0.19
(1,945)	1:A:80:ILE:N	1:B:76:GLU:O	6	0.19
(1,945)	1:B:80:ILE:N	1:A:76:GLU:O	6	0.19
(1,945)	1:B:80:ILE:N	1:B:76:GLU:O	6	0.19
(1,945)	1:A:80:ILE:N	1:A:76:GLU:O	13	0.19
(1,945)	1:A:80:ILE:N	1:B:76:GLU:O	13	0.19
(1,945)	1:B:80:ILE:N	1:A:76:GLU:O	13	0.19
(1,945)	1:B:80:ILE:N	1:B:76:GLU:O	13	0.19
(1,831)	1:A:87:HIS:HD1	1:A:91:LEU:H	1	0.19
(1,831)	1:A:87:HIS:HD1	1:B:91:LEU:H	1	0.19
(1,831)	1:A:87:HIS:HD2	1:A:91:LEU:H	1	0.19
(1,831)	1:A:87:HIS:HD2	1:B:91:LEU:H	1	0.19
(1,831)	1:B:87:HIS:HD1	1:A:91:LEU:H	1	0.19
(1,831)	1:B:87:HIS:HD1	1:B:91:LEU:H	1	0.19
(1,831)	1:B:87:HIS:HD2	1:A:91:LEU:H	1	0.19
(1,831)	1:B:87:HIS:HD2	1:B:91:LEU:H	1	0.19
(1,831)	1:A:87:HIS:HD1	1:A:91:LEU:H	17	0.19
(1,831)	1:A:87:HIS:HD1	1:B:91:LEU:H	17	0.19
(1,831)	1:A:87:HIS:HD2	1:A:91:LEU:H	17	0.19
(1,831)	1:A:87:HIS:HD2	1:B:91:LEU:H	17	0.19
(1,831)	1:B:87:HIS:HD1	1:A:91:LEU:H	17	0.19
(1,831)	1:B:87:HIS:HD1	1:B:91:LEU:H	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,831)	1:B:87:HIS:HD2	1:A:91:LEU:H	17	0.19
(1,831)	1:B:87:HIS:HD2	1:B:91:LEU:H	17	0.19
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB2	8	0.19
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB3	8	0.19
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB2	8	0.19
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB3	8	0.19
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB2	8	0.19
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB3	8	0.19
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB2	8	0.19
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB3	8	0.19
(1,805)	1:A:57:LEU:HD11	1:A:86:LYS:H	18	0.19
(1,805)	1:A:57:LEU:HD11	1:B:86:LYS:H	18	0.19
(1,805)	1:B:57:LEU:HD11	1:A:86:LYS:H	18	0.19
(1,805)	1:B:57:LEU:HD11	1:B:86:LYS:H	18	0.19
(1,805)	1:B:57:LEU:HD12	1:A:86:LYS:H	18	0.19
(1,805)	1:B:57:LEU:HD12	1:B:86:LYS:H	18	0.19
(1,805)	1:B:57:LEU:HD13	1:A:86:LYS:H	18	0.19
(1,805)	1:B:57:LEU:HD13	1:B:86:LYS:H	18	0.19
(1,805)	1:B:57:LEU:HD21	1:A:86:LYS:H	18	0.19
(1,805)	1:B:57:LEU:HD21	1:B:86:LYS:H	18	0.19
(1,805)	1:B:57:LEU:HD22	1:A:86:LYS:H	18	0.19
(1,805)	1:B:57:LEU:HD22	1:B:86:LYS:H	18	0.19
(1,805)	1:B:57:LEU:HD23	1:A:86:LYS:H	18	0.19
(1,805)	1:B:57:LEU:HD23	1:B:86:LYS:H	18	0.19
(1,782)	1:A:64:ALA:HB1	1:A:66:LYS:H	19	0.19
(1,782)	1:A:64:ALA:HB1	1:B:66:LYS:H	19	0.19
(1,782)	1:A:64:ALA:HB2	1:A:66:LYS:H	19	0.19
(1,782)	1:A:64:ALA:HB2	1:B:66:LYS:H	19	0.19
(1,782)	1:A:64:ALA:HB3	1:A:66:LYS:H	19	0.19
(1,782)	1:A:64:ALA:HB3	1:B:66:LYS:H	19	0.19
(1,782)	1:B:64:ALA:HB1	1:A:66:LYS:H	19	0.19
(1,782)	1:B:64:ALA:HB1	1:B:66:LYS:H	19	0.19
(1,782)	1:B:64:ALA:HB2	1:A:66:LYS:H	19	0.19
(1,782)	1:B:64:ALA:HB2	1:B:66:LYS:H	19	0.19
(1,782)	1:B:64:ALA:HB3	1:A:66:LYS:H	19	0.19
(1,782)	1:B:64:ALA:HB3	1:B:66:LYS:H	19	0.19
(1,711)	1:A:71:ARG:HA	1:A:71:ARG:HG2	17	0.19
(1,711)	1:A:71:ARG:HA	1:B:71:ARG:HG2	17	0.19
(1,711)	1:B:71:ARG:HA	1:A:71:ARG:HG2	17	0.19
(1,711)	1:B:71:ARG:HA	1:B:71:ARG:HG2	17	0.19
(1,52)	1:A:71:ARG:HB2	1:A:72:HIS:H	11	0.19
(1,52)	1:A:71:ARG:HB2	1:B:72:HIS:H	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:A:71:ARG:HB3	1:A:72:HIS:H	11	0.19
(1,52)	1:A:71:ARG:HB3	1:B:72:HIS:H	11	0.19
(1,52)	1:B:71:ARG:HB2	1:A:72:HIS:H	11	0.19
(1,52)	1:B:71:ARG:HB2	1:B:72:HIS:H	11	0.19
(1,52)	1:B:71:ARG:HB3	1:A:72:HIS:H	11	0.19
(1,52)	1:B:71:ARG:HB3	1:B:72:HIS:H	11	0.19
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD11	19	0.19
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD12	19	0.19
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD13	19	0.19
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD11	19	0.19
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD12	19	0.19
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD13	19	0.19
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD11	19	0.19
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD12	19	0.19
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD13	19	0.19
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD11	19	0.19
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD12	19	0.19
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD13	19	0.19
(1,484)	1:A:91:LEU:HA	1:A:93:ARG:HA	2	0.19
(1,484)	1:A:91:LEU:HA	1:B:93:ARG:HA	2	0.19
(1,484)	1:B:91:LEU:HA	1:A:93:ARG:HA	2	0.19
(1,484)	1:B:91:LEU:HA	1:B:93:ARG:HA	2	0.19
(1,421)	1:A:79:ASP:HB3	1:A:80:ILE:HB	5	0.19
(1,421)	1:A:79:ASP:HB3	1:B:80:ILE:HB	5	0.19
(1,421)	1:B:79:ASP:HB3	1:A:80:ILE:HB	5	0.19
(1,421)	1:B:79:ASP:HB3	1:B:80:ILE:HB	5	0.19
(1,421)	1:A:79:ASP:HB3	1:A:80:ILE:HB	11	0.19
(1,421)	1:A:79:ASP:HB3	1:B:80:ILE:HB	11	0.19
(1,421)	1:B:79:ASP:HB3	1:A:80:ILE:HB	11	0.19
(1,421)	1:B:79:ASP:HB3	1:B:80:ILE:HB	11	0.19
(1,363)	1:A:68:ASP:HA	1:A:72:HIS:H	11	0.19
(1,363)	1:A:68:ASP:HA	1:B:72:HIS:H	11	0.19
(1,363)	1:B:68:ASP:HA	1:A:72:HIS:H	11	0.19
(1,363)	1:B:68:ASP:HA	1:B:72:HIS:H	11	0.19
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD11	3	0.19
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD12	3	0.19
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD13	3	0.19
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD11	3	0.19
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD12	3	0.19
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD13	3	0.19
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD11	3	0.19
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD12	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD13	3	0.19
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD11	3	0.19
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD12	3	0.19
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD13	3	0.19
(1,189)	1:A:75:LEU:HA	1:A:79:ASP:H	15	0.19
(1,189)	1:A:75:LEU:HA	1:B:79:ASP:H	15	0.19
(1,189)	1:B:75:LEU:HA	1:A:79:ASP:H	15	0.19
(1,189)	1:B:75:LEU:HA	1:B:79:ASP:H	15	0.19
(1,991)	1:A:93:ARG:N	1:A:89:ARG:O	11	0.18
(1,991)	1:A:93:ARG:N	1:B:89:ARG:O	11	0.18
(1,991)	1:B:93:ARG:N	1:A:89:ARG:O	11	0.18
(1,991)	1:B:93:ARG:N	1:B:89:ARG:O	11	0.18
(1,987)	1:A:91:LEU:N	1:A:87:HIS:O	4	0.18
(1,987)	1:A:91:LEU:N	1:B:87:HIS:O	4	0.18
(1,987)	1:B:91:LEU:N	1:A:87:HIS:O	4	0.18
(1,987)	1:B:91:LEU:N	1:B:87:HIS:O	4	0.18
(1,987)	1:A:91:LEU:N	1:A:87:HIS:O	7	0.18
(1,987)	1:A:91:LEU:N	1:B:87:HIS:O	7	0.18
(1,987)	1:B:91:LEU:N	1:A:87:HIS:O	7	0.18
(1,987)	1:B:91:LEU:N	1:B:87:HIS:O	7	0.18
(1,987)	1:A:91:LEU:N	1:A:87:HIS:O	8	0.18
(1,987)	1:A:91:LEU:N	1:B:87:HIS:O	8	0.18
(1,987)	1:B:91:LEU:N	1:A:87:HIS:O	8	0.18
(1,987)	1:B:91:LEU:N	1:B:87:HIS:O	8	0.18
(1,987)	1:A:91:LEU:N	1:A:87:HIS:O	12	0.18
(1,987)	1:A:91:LEU:N	1:B:87:HIS:O	12	0.18
(1,987)	1:B:91:LEU:N	1:A:87:HIS:O	12	0.18
(1,987)	1:B:91:LEU:N	1:B:87:HIS:O	12	0.18
(1,976)	1:A:86:LYS:H	1:A:82:GLU:O	2	0.18
(1,976)	1:A:86:LYS:H	1:B:82:GLU:O	2	0.18
(1,976)	1:B:86:LYS:H	1:A:82:GLU:O	2	0.18
(1,976)	1:B:86:LYS:H	1:B:82:GLU:O	2	0.18
(1,976)	1:A:86:LYS:H	1:A:82:GLU:O	5	0.18
(1,976)	1:A:86:LYS:H	1:B:82:GLU:O	5	0.18
(1,976)	1:B:86:LYS:H	1:A:82:GLU:O	5	0.18
(1,976)	1:B:86:LYS:H	1:B:82:GLU:O	5	0.18
(1,976)	1:A:86:LYS:H	1:A:82:GLU:O	19	0.18
(1,976)	1:A:86:LYS:H	1:B:82:GLU:O	19	0.18
(1,976)	1:B:86:LYS:H	1:A:82:GLU:O	19	0.18
(1,976)	1:B:86:LYS:H	1:B:82:GLU:O	19	0.18
(1,976)	1:A:86:LYS:H	1:A:82:GLU:O	20	0.18
(1,976)	1:A:86:LYS:H	1:B:82:GLU:O	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,976)	1:B:86:LYS:H	1:A:82:GLU:O	20	0.18
(1,976)	1:B:86:LYS:H	1:B:82:GLU:O	20	0.18
(1,967)	1:A:81:LEU:N	1:A:77:LYS:O	18	0.18
(1,967)	1:A:81:LEU:N	1:B:77:LYS:O	18	0.18
(1,967)	1:B:81:LEU:N	1:A:77:LYS:O	18	0.18
(1,967)	1:B:81:LEU:N	1:B:77:LYS:O	18	0.18
(1,956)	1:A:86:LYS:H	1:A:82:GLU:O	2	0.18
(1,956)	1:A:86:LYS:H	1:B:82:GLU:O	2	0.18
(1,956)	1:B:86:LYS:H	1:A:82:GLU:O	2	0.18
(1,956)	1:B:86:LYS:H	1:B:82:GLU:O	2	0.18
(1,956)	1:A:86:LYS:H	1:A:82:GLU:O	5	0.18
(1,956)	1:A:86:LYS:H	1:B:82:GLU:O	5	0.18
(1,956)	1:B:86:LYS:H	1:A:82:GLU:O	5	0.18
(1,956)	1:B:86:LYS:H	1:B:82:GLU:O	5	0.18
(1,956)	1:A:86:LYS:H	1:A:82:GLU:O	19	0.18
(1,956)	1:A:86:LYS:H	1:B:82:GLU:O	19	0.18
(1,956)	1:B:86:LYS:H	1:A:82:GLU:O	19	0.18
(1,956)	1:B:86:LYS:H	1:B:82:GLU:O	19	0.18
(1,956)	1:A:86:LYS:H	1:A:82:GLU:O	20	0.18
(1,956)	1:A:86:LYS:H	1:B:82:GLU:O	20	0.18
(1,956)	1:B:86:LYS:H	1:A:82:GLU:O	20	0.18
(1,956)	1:B:86:LYS:H	1:B:82:GLU:O	20	0.18
(1,947)	1:A:81:LEU:N	1:A:77:LYS:O	18	0.18
(1,947)	1:A:81:LEU:N	1:B:77:LYS:O	18	0.18
(1,947)	1:B:81:LEU:N	1:A:77:LYS:O	18	0.18
(1,947)	1:B:81:LEU:N	1:B:77:LYS:O	18	0.18
(1,933)	1:A:73:SER:N	1:A:69:SER:O	11	0.18
(1,933)	1:A:73:SER:N	1:B:69:SER:O	11	0.18
(1,933)	1:B:73:SER:N	1:A:69:SER:O	11	0.18
(1,933)	1:B:73:SER:N	1:B:69:SER:O	11	0.18
(1,782)	1:A:64:ALA:HB1	1:A:66:LYS:H	2	0.18
(1,782)	1:A:64:ALA:HB1	1:B:66:LYS:H	2	0.18
(1,782)	1:A:64:ALA:HB2	1:A:66:LYS:H	2	0.18
(1,782)	1:A:64:ALA:HB2	1:B:66:LYS:H	2	0.18
(1,782)	1:A:64:ALA:HB3	1:A:66:LYS:H	2	0.18
(1,782)	1:A:64:ALA:HB3	1:B:66:LYS:H	2	0.18
(1,782)	1:B:64:ALA:HB1	1:A:66:LYS:H	2	0.18
(1,782)	1:B:64:ALA:HB1	1:B:66:LYS:H	2	0.18
(1,782)	1:B:64:ALA:HB2	1:A:66:LYS:H	2	0.18
(1,782)	1:B:64:ALA:HB2	1:B:66:LYS:H	2	0.18
(1,782)	1:B:64:ALA:HB3	1:A:66:LYS:H	2	0.18
(1,782)	1:B:64:ALA:HB3	1:B:66:LYS:H	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,782)	1:A:64:ALA:HB1	1:A:66:LYS:H	3	0.18
(1,782)	1:A:64:ALA:HB1	1:B:66:LYS:H	3	0.18
(1,782)	1:A:64:ALA:HB2	1:A:66:LYS:H	3	0.18
(1,782)	1:A:64:ALA:HB2	1:B:66:LYS:H	3	0.18
(1,782)	1:A:64:ALA:HB3	1:A:66:LYS:H	3	0.18
(1,782)	1:A:64:ALA:HB3	1:B:66:LYS:H	3	0.18
(1,782)	1:B:64:ALA:HB1	1:A:66:LYS:H	3	0.18
(1,782)	1:B:64:ALA:HB1	1:B:66:LYS:H	3	0.18
(1,782)	1:B:64:ALA:HB2	1:A:66:LYS:H	3	0.18
(1,782)	1:B:64:ALA:HB2	1:B:66:LYS:H	3	0.18
(1,782)	1:B:64:ALA:HB3	1:A:66:LYS:H	3	0.18
(1,782)	1:B:64:ALA:HB3	1:B:66:LYS:H	3	0.18
(1,738)	1:A:76:GLU:HA	1:A:79:ASP:HB2	10	0.18
(1,738)	1:A:76:GLU:HA	1:B:79:ASP:HB2	10	0.18
(1,738)	1:B:76:GLU:HA	1:A:79:ASP:HB2	10	0.18
(1,738)	1:B:76:GLU:HA	1:B:79:ASP:HB2	10	0.18
(1,738)	1:A:76:GLU:HA	1:A:79:ASP:HB2	14	0.18
(1,738)	1:A:76:GLU:HA	1:B:79:ASP:HB2	14	0.18
(1,738)	1:B:76:GLU:HA	1:A:79:ASP:HB2	14	0.18
(1,738)	1:B:76:GLU:HA	1:B:79:ASP:HB2	14	0.18
(1,631)	1:A:66:LYS:HG2	1:A:66:LYS:HD3	1	0.18
(1,631)	1:A:66:LYS:HG2	1:B:66:LYS:HD3	1	0.18
(1,631)	1:B:66:LYS:HG2	1:A:66:LYS:HD3	1	0.18
(1,631)	1:B:66:LYS:HG2	1:B:66:LYS:HD3	1	0.18
(1,598)	1:A:66:LYS:HB2	1:A:67:LYS:HG2	20	0.18
(1,598)	1:A:66:LYS:HB2	1:B:67:LYS:HG2	20	0.18
(1,598)	1:A:66:LYS:HB3	1:A:67:LYS:HG2	20	0.18
(1,598)	1:A:66:LYS:HB3	1:B:67:LYS:HG2	20	0.18
(1,598)	1:B:66:LYS:HB2	1:A:67:LYS:HG2	20	0.18
(1,598)	1:B:66:LYS:HB2	1:B:67:LYS:HG2	20	0.18
(1,598)	1:B:66:LYS:HB3	1:A:67:LYS:HG2	20	0.18
(1,598)	1:B:66:LYS:HB3	1:B:67:LYS:HG2	20	0.18
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	10	0.18
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	10	0.18
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	10	0.18
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	10	0.18
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	10	0.18
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	10	0.18
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	10	0.18
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	10	0.18
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	10	0.18
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	10	0.18
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	10	0.18
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE2	16	0.18
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE3	16	0.18
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE2	16	0.18
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE3	16	0.18
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE2	16	0.18
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE3	16	0.18
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE2	16	0.18
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE3	16	0.18
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD11	13	0.18
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD12	13	0.18
(1,488)	1:A:64:ALA:HA	1:A:65:LEU:HD13	13	0.18
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD11	13	0.18
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD12	13	0.18
(1,488)	1:A:64:ALA:HA	1:B:65:LEU:HD13	13	0.18
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD11	13	0.18
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD12	13	0.18
(1,488)	1:B:64:ALA:HA	1:A:65:LEU:HD13	13	0.18
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD11	13	0.18
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD12	13	0.18
(1,488)	1:B:64:ALA:HA	1:B:65:LEU:HD13	13	0.18
(1,484)	1:A:91:LEU:HA	1:A:93:ARG:HA	1	0.18
(1,484)	1:A:91:LEU:HA	1:B:93:ARG:HA	1	0.18
(1,484)	1:B:91:LEU:HA	1:A:93:ARG:HA	1	0.18
(1,484)	1:B:91:LEU:HA	1:B:93:ARG:HA	1	0.18
(1,484)	1:A:91:LEU:HA	1:A:93:ARG:HA	6	0.18
(1,484)	1:A:91:LEU:HA	1:B:93:ARG:HA	6	0.18
(1,484)	1:B:91:LEU:HA	1:A:93:ARG:HA	6	0.18
(1,484)	1:B:91:LEU:HA	1:B:93:ARG:HA	6	0.18
(1,484)	1:A:91:LEU:HA	1:A:93:ARG:HA	13	0.18
(1,484)	1:A:91:LEU:HA	1:B:93:ARG:HA	13	0.18
(1,484)	1:B:91:LEU:HA	1:A:93:ARG:HA	13	0.18
(1,484)	1:B:91:LEU:HA	1:B:93:ARG:HA	13	0.18
(1,484)	1:A:91:LEU:HA	1:A:93:ARG:HA	16	0.18
(1,484)	1:A:91:LEU:HA	1:B:93:ARG:HA	16	0.18
(1,484)	1:B:91:LEU:HA	1:A:93:ARG:HA	16	0.18
(1,484)	1:B:91:LEU:HA	1:B:93:ARG:HA	16	0.18
(1,482)	1:A:81:LEU:HA	1:A:84:THR:HB	20	0.18
(1,482)	1:A:81:LEU:HA	1:B:84:THR:HB	20	0.18
(1,482)	1:B:81:LEU:HA	1:A:84:THR:HB	20	0.18
(1,482)	1:B:81:LEU:HA	1:B:84:THR:HB	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,277)	1:A:54:LEU:HD21	1:A:80:ILE:H	10	0.18
(1,277)	1:A:54:LEU:HD21	1:B:80:ILE:H	10	0.18
(1,277)	1:B:54:LEU:HD21	1:A:80:ILE:H	10	0.18
(1,277)	1:B:54:LEU:HD21	1:B:80:ILE:H	10	0.18
(1,277)	1:B:54:LEU:HD22	1:A:80:ILE:H	10	0.18
(1,277)	1:B:54:LEU:HD22	1:B:80:ILE:H	10	0.18
(1,277)	1:B:54:LEU:HD23	1:A:80:ILE:H	10	0.18
(1,277)	1:B:54:LEU:HD23	1:B:80:ILE:H	10	0.18
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD11	5	0.18
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD12	5	0.18
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD13	5	0.18
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD11	5	0.18
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD12	5	0.18
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD13	5	0.18
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD11	5	0.18
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD12	5	0.18
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD13	5	0.18
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD11	5	0.18
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD12	5	0.18
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD13	5	0.18
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD11	15	0.18
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD12	15	0.18
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD13	15	0.18
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD11	15	0.18
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD12	15	0.18
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD13	15	0.18
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD11	15	0.18
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD12	15	0.18
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD13	15	0.18
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD11	15	0.18
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD12	15	0.18
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD13	15	0.18
(1,987)	1:A:91:LEU:N	1:A:87:HIS:O	17	0.17
(1,987)	1:A:91:LEU:N	1:B:87:HIS:O	17	0.17
(1,987)	1:B:91:LEU:N	1:A:87:HIS:O	17	0.17
(1,987)	1:B:91:LEU:N	1:B:87:HIS:O	17	0.17
(1,981)	1:A:88:LEU:N	1:A:84:THR:O	19	0.17
(1,981)	1:A:88:LEU:N	1:B:84:THR:O	19	0.17
(1,981)	1:B:88:LEU:N	1:A:84:THR:O	19	0.17
(1,981)	1:B:88:LEU:N	1:B:84:THR:O	19	0.17
(1,979)	1:A:87:HIS:N	1:A:83:MET:O	1	0.17
(1,979)	1:A:87:HIS:N	1:B:83:MET:O	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,979)	1:B:87:HIS:N	1:A:83:MET:O	1	0.17
(1,979)	1:B:87:HIS:N	1:B:83:MET:O	1	0.17
(1,976)	1:A:86:LYS:H	1:A:82:GLU:O	9	0.17
(1,976)	1:A:86:LYS:H	1:B:82:GLU:O	9	0.17
(1,976)	1:B:86:LYS:H	1:A:82:GLU:O	9	0.17
(1,976)	1:B:86:LYS:H	1:B:82:GLU:O	9	0.17
(1,967)	1:A:81:LEU:N	1:A:77:LYS:O	2	0.17
(1,967)	1:A:81:LEU:N	1:B:77:LYS:O	2	0.17
(1,967)	1:B:81:LEU:N	1:A:77:LYS:O	2	0.17
(1,967)	1:B:81:LEU:N	1:B:77:LYS:O	2	0.17
(1,967)	1:A:81:LEU:N	1:A:77:LYS:O	14	0.17
(1,967)	1:A:81:LEU:N	1:B:77:LYS:O	14	0.17
(1,967)	1:B:81:LEU:N	1:A:77:LYS:O	14	0.17
(1,967)	1:B:81:LEU:N	1:B:77:LYS:O	14	0.17
(1,967)	1:A:81:LEU:N	1:A:77:LYS:O	15	0.17
(1,967)	1:A:81:LEU:N	1:B:77:LYS:O	15	0.17
(1,967)	1:B:81:LEU:N	1:A:77:LYS:O	15	0.17
(1,967)	1:B:81:LEU:N	1:B:77:LYS:O	15	0.17
(1,967)	1:A:81:LEU:N	1:A:77:LYS:O	20	0.17
(1,967)	1:A:81:LEU:N	1:B:77:LYS:O	20	0.17
(1,967)	1:B:81:LEU:N	1:A:77:LYS:O	20	0.17
(1,967)	1:B:81:LEU:N	1:B:77:LYS:O	20	0.17
(1,961)	1:A:88:LEU:N	1:A:84:THR:O	19	0.17
(1,961)	1:A:88:LEU:N	1:B:84:THR:O	19	0.17
(1,961)	1:B:88:LEU:N	1:A:84:THR:O	19	0.17
(1,961)	1:B:88:LEU:N	1:B:84:THR:O	19	0.17
(1,959)	1:A:87:HIS:N	1:A:83:MET:O	1	0.17
(1,959)	1:A:87:HIS:N	1:B:83:MET:O	1	0.17
(1,959)	1:B:87:HIS:N	1:A:83:MET:O	1	0.17
(1,959)	1:B:87:HIS:N	1:B:83:MET:O	1	0.17
(1,956)	1:A:86:LYS:H	1:A:82:GLU:O	9	0.17
(1,956)	1:A:86:LYS:H	1:B:82:GLU:O	9	0.17
(1,956)	1:B:86:LYS:H	1:A:82:GLU:O	9	0.17
(1,956)	1:B:86:LYS:H	1:B:82:GLU:O	9	0.17
(1,947)	1:A:81:LEU:N	1:A:77:LYS:O	2	0.17
(1,947)	1:A:81:LEU:N	1:B:77:LYS:O	2	0.17
(1,947)	1:B:81:LEU:N	1:A:77:LYS:O	2	0.17
(1,947)	1:B:81:LEU:N	1:B:77:LYS:O	2	0.17
(1,947)	1:A:81:LEU:N	1:A:77:LYS:O	14	0.17
(1,947)	1:A:81:LEU:N	1:B:77:LYS:O	14	0.17
(1,947)	1:B:81:LEU:N	1:A:77:LYS:O	14	0.17
(1,947)	1:B:81:LEU:N	1:B:77:LYS:O	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,947)	1:A:81:LEU:N	1:A:77:LYS:O	15	0.17
(1,947)	1:A:81:LEU:N	1:B:77:LYS:O	15	0.17
(1,947)	1:B:81:LEU:N	1:A:77:LYS:O	15	0.17
(1,947)	1:B:81:LEU:N	1:B:77:LYS:O	15	0.17
(1,947)	1:A:81:LEU:N	1:A:77:LYS:O	20	0.17
(1,947)	1:A:81:LEU:N	1:B:77:LYS:O	20	0.17
(1,947)	1:B:81:LEU:N	1:A:77:LYS:O	20	0.17
(1,947)	1:B:81:LEU:N	1:B:77:LYS:O	20	0.17
(1,945)	1:A:80:ILE:N	1:A:76:GLU:O	1	0.17
(1,945)	1:A:80:ILE:N	1:B:76:GLU:O	1	0.17
(1,945)	1:B:80:ILE:N	1:A:76:GLU:O	1	0.17
(1,945)	1:B:80:ILE:N	1:B:76:GLU:O	1	0.17
(1,930)	1:A:72:HIS:H	1:A:68:ASP:O	18	0.17
(1,930)	1:A:72:HIS:H	1:B:68:ASP:O	18	0.17
(1,930)	1:B:72:HIS:H	1:A:68:ASP:O	18	0.17
(1,930)	1:B:72:HIS:H	1:B:68:ASP:O	18	0.17
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE2	9	0.17
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE3	9	0.17
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE2	9	0.17
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE3	9	0.17
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE2	9	0.17
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE3	9	0.17
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE2	9	0.17
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE3	9	0.17
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB2	9	0.17
(1,520)	1:A:68:ASP:H	1:A:69:SER:HB3	9	0.17
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB2	9	0.17
(1,520)	1:A:68:ASP:H	1:B:69:SER:HB3	9	0.17
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB2	9	0.17
(1,520)	1:B:68:ASP:H	1:A:69:SER:HB3	9	0.17
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB2	9	0.17
(1,520)	1:B:68:ASP:H	1:B:69:SER:HB3	9	0.17
(1,484)	1:A:91:LEU:HA	1:A:93:ARG:HA	19	0.17
(1,484)	1:A:91:LEU:HA	1:B:93:ARG:HA	19	0.17
(1,484)	1:B:91:LEU:HA	1:A:93:ARG:HA	19	0.17
(1,484)	1:B:91:LEU:HA	1:B:93:ARG:HA	19	0.17
(1,463)	1:A:88:LEU:HB3	1:A:89:ARG:HA	17	0.17
(1,463)	1:A:88:LEU:HB3	1:B:89:ARG:HA	17	0.17
(1,463)	1:B:88:LEU:HB3	1:A:89:ARG:HA	17	0.17
(1,463)	1:B:88:LEU:HB3	1:B:89:ARG:HA	17	0.17
(1,363)	1:A:68:ASP:HA	1:A:72:HIS:H	2	0.17
(1,363)	1:A:68:ASP:HA	1:B:72:HIS:H	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,363)	1:B:68:ASP:HA	1:A:72:HIS:H	2	0.17
(1,363)	1:B:68:ASP:HA	1:B:72:HIS:H	2	0.17
(1,363)	1:A:68:ASP:HA	1:A:72:HIS:H	5	0.17
(1,363)	1:A:68:ASP:HA	1:B:72:HIS:H	5	0.17
(1,363)	1:B:68:ASP:HA	1:A:72:HIS:H	5	0.17
(1,363)	1:B:68:ASP:HA	1:B:72:HIS:H	5	0.17
(1,275)	1:A:86:LYS:HG2	1:A:88:LEU:H	6	0.17
(1,275)	1:A:86:LYS:HG2	1:B:88:LEU:H	6	0.17
(1,275)	1:B:86:LYS:HG2	1:A:88:LEU:H	6	0.17
(1,275)	1:B:86:LYS:HG2	1:B:88:LEU:H	6	0.17
(1,12)	1:A:61:ILE:HA	1:A:62:LEU:H	14	0.17
(1,12)	1:A:61:ILE:HA	1:B:62:LEU:H	14	0.17
(1,12)	1:B:61:ILE:HA	1:A:62:LEU:H	14	0.17
(1,12)	1:B:61:ILE:HA	1:B:62:LEU:H	14	0.17
(1,987)	1:A:91:LEU:N	1:A:87:HIS:O	9	0.16
(1,987)	1:A:91:LEU:N	1:B:87:HIS:O	9	0.16
(1,987)	1:B:91:LEU:N	1:A:87:HIS:O	9	0.16
(1,987)	1:B:91:LEU:N	1:B:87:HIS:O	9	0.16
(1,986)	1:A:91:LEU:H	1:A:87:HIS:O	5	0.16
(1,986)	1:A:91:LEU:H	1:B:87:HIS:O	5	0.16
(1,986)	1:B:91:LEU:H	1:A:87:HIS:O	5	0.16
(1,986)	1:B:91:LEU:H	1:B:87:HIS:O	5	0.16
(1,981)	1:A:88:LEU:N	1:A:84:THR:O	8	0.16
(1,981)	1:A:88:LEU:N	1:B:84:THR:O	8	0.16
(1,981)	1:B:88:LEU:N	1:A:84:THR:O	8	0.16
(1,981)	1:B:88:LEU:N	1:B:84:THR:O	8	0.16
(1,981)	1:A:88:LEU:N	1:A:84:THR:O	11	0.16
(1,981)	1:A:88:LEU:N	1:B:84:THR:O	11	0.16
(1,981)	1:B:88:LEU:N	1:A:84:THR:O	11	0.16
(1,981)	1:B:88:LEU:N	1:B:84:THR:O	11	0.16
(1,979)	1:A:87:HIS:N	1:A:83:MET:O	13	0.16
(1,979)	1:A:87:HIS:N	1:B:83:MET:O	13	0.16
(1,979)	1:B:87:HIS:N	1:A:83:MET:O	13	0.16
(1,979)	1:B:87:HIS:N	1:B:83:MET:O	13	0.16
(1,979)	1:A:87:HIS:N	1:A:83:MET:O	16	0.16
(1,979)	1:A:87:HIS:N	1:B:83:MET:O	16	0.16
(1,979)	1:B:87:HIS:N	1:A:83:MET:O	16	0.16
(1,979)	1:B:87:HIS:N	1:B:83:MET:O	16	0.16
(1,979)	1:A:87:HIS:N	1:A:83:MET:O	19	0.16
(1,979)	1:A:87:HIS:N	1:B:83:MET:O	19	0.16
(1,979)	1:B:87:HIS:N	1:A:83:MET:O	19	0.16
(1,979)	1:B:87:HIS:N	1:B:83:MET:O	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,976)	1:A:86:LYS:H	1:A:82:GLU:O	14	0.16
(1,976)	1:A:86:LYS:H	1:B:82:GLU:O	14	0.16
(1,976)	1:B:86:LYS:H	1:A:82:GLU:O	14	0.16
(1,976)	1:B:86:LYS:H	1:B:82:GLU:O	14	0.16
(1,971)	1:A:83:MET:N	1:A:79:ASP:O	9	0.16
(1,971)	1:A:83:MET:N	1:B:79:ASP:O	9	0.16
(1,971)	1:B:83:MET:N	1:A:79:ASP:O	9	0.16
(1,971)	1:B:83:MET:N	1:B:79:ASP:O	9	0.16
(1,967)	1:A:81:LEU:N	1:A:77:LYS:O	3	0.16
(1,967)	1:A:81:LEU:N	1:B:77:LYS:O	3	0.16
(1,967)	1:B:81:LEU:N	1:A:77:LYS:O	3	0.16
(1,967)	1:B:81:LEU:N	1:B:77:LYS:O	3	0.16
(1,967)	1:A:81:LEU:N	1:A:77:LYS:O	12	0.16
(1,967)	1:A:81:LEU:N	1:B:77:LYS:O	12	0.16
(1,967)	1:B:81:LEU:N	1:A:77:LYS:O	12	0.16
(1,967)	1:B:81:LEU:N	1:B:77:LYS:O	12	0.16
(1,967)	1:A:81:LEU:N	1:A:77:LYS:O	17	0.16
(1,967)	1:A:81:LEU:N	1:B:77:LYS:O	17	0.16
(1,967)	1:B:81:LEU:N	1:A:77:LYS:O	17	0.16
(1,967)	1:B:81:LEU:N	1:B:77:LYS:O	17	0.16
(1,961)	1:A:88:LEU:N	1:A:84:THR:O	8	0.16
(1,961)	1:A:88:LEU:N	1:B:84:THR:O	8	0.16
(1,961)	1:B:88:LEU:N	1:A:84:THR:O	8	0.16
(1,961)	1:B:88:LEU:N	1:B:84:THR:O	8	0.16
(1,961)	1:A:88:LEU:N	1:A:84:THR:O	11	0.16
(1,961)	1:A:88:LEU:N	1:B:84:THR:O	11	0.16
(1,961)	1:B:88:LEU:N	1:A:84:THR:O	11	0.16
(1,961)	1:B:88:LEU:N	1:B:84:THR:O	11	0.16
(1,959)	1:A:87:HIS:N	1:A:83:MET:O	13	0.16
(1,959)	1:A:87:HIS:N	1:B:83:MET:O	13	0.16
(1,959)	1:B:87:HIS:N	1:A:83:MET:O	13	0.16
(1,959)	1:B:87:HIS:N	1:B:83:MET:O	13	0.16
(1,959)	1:A:87:HIS:N	1:A:83:MET:O	16	0.16
(1,959)	1:A:87:HIS:N	1:B:83:MET:O	16	0.16
(1,959)	1:B:87:HIS:N	1:A:83:MET:O	16	0.16
(1,959)	1:B:87:HIS:N	1:B:83:MET:O	16	0.16
(1,959)	1:A:87:HIS:N	1:A:83:MET:O	19	0.16
(1,959)	1:A:87:HIS:N	1:B:83:MET:O	19	0.16
(1,959)	1:B:87:HIS:N	1:A:83:MET:O	19	0.16
(1,959)	1:B:87:HIS:N	1:B:83:MET:O	19	0.16
(1,956)	1:A:86:LYS:H	1:A:82:GLU:O	14	0.16
(1,956)	1:A:86:LYS:H	1:B:82:GLU:O	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:B:86:LYS:H	1:A:82:GLU:O	14	0.16
(1,956)	1:B:86:LYS:H	1:B:82:GLU:O	14	0.16
(1,951)	1:A:83:MET:N	1:A:79:ASP:O	9	0.16
(1,951)	1:A:83:MET:N	1:B:79:ASP:O	9	0.16
(1,951)	1:B:83:MET:N	1:A:79:ASP:O	9	0.16
(1,951)	1:B:83:MET:N	1:B:79:ASP:O	9	0.16
(1,947)	1:A:81:LEU:N	1:A:77:LYS:O	3	0.16
(1,947)	1:A:81:LEU:N	1:B:77:LYS:O	3	0.16
(1,947)	1:B:81:LEU:N	1:A:77:LYS:O	3	0.16
(1,947)	1:B:81:LEU:N	1:B:77:LYS:O	3	0.16
(1,947)	1:A:81:LEU:N	1:A:77:LYS:O	12	0.16
(1,947)	1:A:81:LEU:N	1:B:77:LYS:O	12	0.16
(1,947)	1:B:81:LEU:N	1:A:77:LYS:O	12	0.16
(1,947)	1:B:81:LEU:N	1:B:77:LYS:O	12	0.16
(1,947)	1:A:81:LEU:N	1:A:77:LYS:O	17	0.16
(1,947)	1:A:81:LEU:N	1:B:77:LYS:O	17	0.16
(1,947)	1:B:81:LEU:N	1:A:77:LYS:O	17	0.16
(1,947)	1:B:81:LEU:N	1:B:77:LYS:O	17	0.16
(1,945)	1:A:80:ILE:N	1:A:76:GLU:O	3	0.16
(1,945)	1:A:80:ILE:N	1:B:76:GLU:O	3	0.16
(1,945)	1:B:80:ILE:N	1:A:76:GLU:O	3	0.16
(1,945)	1:B:80:ILE:N	1:B:76:GLU:O	3	0.16
(1,831)	1:A:87:HIS:HD1	1:A:91:LEU:H	18	0.16
(1,831)	1:A:87:HIS:HD1	1:B:91:LEU:H	18	0.16
(1,831)	1:A:87:HIS:HD2	1:A:91:LEU:H	18	0.16
(1,831)	1:A:87:HIS:HD2	1:B:91:LEU:H	18	0.16
(1,831)	1:B:87:HIS:HD1	1:A:91:LEU:H	18	0.16
(1,831)	1:B:87:HIS:HD1	1:B:91:LEU:H	18	0.16
(1,831)	1:B:87:HIS:HD2	1:A:91:LEU:H	18	0.16
(1,831)	1:B:87:HIS:HD2	1:B:91:LEU:H	18	0.16
(1,738)	1:A:76:GLU:HA	1:A:79:ASP:HB2	19	0.16
(1,738)	1:A:76:GLU:HA	1:B:79:ASP:HB2	19	0.16
(1,738)	1:B:76:GLU:HA	1:A:79:ASP:HB2	19	0.16
(1,738)	1:B:76:GLU:HA	1:B:79:ASP:HB2	19	0.16
(1,609)	1:A:92:GLN:HB2	1:A:93:ARG:HB2	12	0.16
(1,609)	1:A:92:GLN:HB2	1:B:93:ARG:HB2	12	0.16
(1,609)	1:A:92:GLN:HB3	1:A:93:ARG:HB2	12	0.16
(1,609)	1:A:92:GLN:HB3	1:B:93:ARG:HB2	12	0.16
(1,609)	1:B:92:GLN:HB2	1:A:93:ARG:HB2	12	0.16
(1,609)	1:B:92:GLN:HB2	1:B:93:ARG:HB2	12	0.16
(1,609)	1:B:92:GLN:HB3	1:A:93:ARG:HB2	12	0.16
(1,609)	1:B:92:GLN:HB3	1:B:93:ARG:HB2	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:A:92:GLN:HB2	1:A:93:ARG:HB2	18	0.16
(1,609)	1:A:92:GLN:HB2	1:B:93:ARG:HB2	18	0.16
(1,609)	1:A:92:GLN:HB3	1:A:93:ARG:HB2	18	0.16
(1,609)	1:A:92:GLN:HB3	1:B:93:ARG:HB2	18	0.16
(1,609)	1:B:92:GLN:HB2	1:A:93:ARG:HB2	18	0.16
(1,609)	1:B:92:GLN:HB2	1:B:93:ARG:HB2	18	0.16
(1,609)	1:B:92:GLN:HB3	1:A:93:ARG:HB2	18	0.16
(1,609)	1:B:92:GLN:HB3	1:B:93:ARG:HB2	18	0.16
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD21	7	0.16
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD22	7	0.16
(1,573)	1:A:64:ALA:HB1	1:A:65:LEU:HD23	7	0.16
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD21	7	0.16
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD22	7	0.16
(1,573)	1:A:64:ALA:HB1	1:B:65:LEU:HD23	7	0.16
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD21	7	0.16
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD22	7	0.16
(1,573)	1:B:64:ALA:HB1	1:A:65:LEU:HD23	7	0.16
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD21	7	0.16
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD22	7	0.16
(1,573)	1:B:64:ALA:HB1	1:B:65:LEU:HD23	7	0.16
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE2	2	0.16
(1,551)	1:A:67:LYS:HA	1:A:67:LYS:HE3	2	0.16
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE2	2	0.16
(1,551)	1:A:67:LYS:HA	1:B:67:LYS:HE3	2	0.16
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE2	2	0.16
(1,551)	1:B:67:LYS:HA	1:A:67:LYS:HE3	2	0.16
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE2	2	0.16
(1,551)	1:B:67:LYS:HA	1:B:67:LYS:HE3	2	0.16
(1,499)	1:A:65:LEU:HA	1:A:67:LYS:H	3	0.16
(1,499)	1:A:65:LEU:HA	1:B:67:LYS:H	3	0.16
(1,499)	1:B:65:LEU:HA	1:A:67:LYS:H	3	0.16
(1,499)	1:B:65:LEU:HA	1:B:67:LYS:H	3	0.16
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD11	17	0.16
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD12	17	0.16
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD13	17	0.16
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD11	17	0.16
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD12	17	0.16
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD13	17	0.16
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD11	17	0.16
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD12	17	0.16
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD13	17	0.16
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD11	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD12	17	0.16
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD13	17	0.16
(1,274)	1:A:86:LYS:HG2	1:A:89:ARG:H	14	0.16
(1,274)	1:A:86:LYS:HG2	1:B:89:ARG:H	14	0.16
(1,274)	1:B:86:LYS:HG2	1:A:89:ARG:H	14	0.16
(1,274)	1:B:86:LYS:HG2	1:B:89:ARG:H	14	0.16
(1,991)	1:A:93:ARG:N	1:A:89:ARG:O	5	0.15
(1,991)	1:A:93:ARG:N	1:B:89:ARG:O	5	0.15
(1,991)	1:B:93:ARG:N	1:A:89:ARG:O	5	0.15
(1,991)	1:B:93:ARG:N	1:B:89:ARG:O	5	0.15
(1,991)	1:A:93:ARG:N	1:A:89:ARG:O	14	0.15
(1,991)	1:A:93:ARG:N	1:B:89:ARG:O	14	0.15
(1,991)	1:B:93:ARG:N	1:A:89:ARG:O	14	0.15
(1,991)	1:B:93:ARG:N	1:B:89:ARG:O	14	0.15
(1,991)	1:A:93:ARG:N	1:A:89:ARG:O	20	0.15
(1,991)	1:A:93:ARG:N	1:B:89:ARG:O	20	0.15
(1,991)	1:B:93:ARG:N	1:A:89:ARG:O	20	0.15
(1,991)	1:B:93:ARG:N	1:B:89:ARG:O	20	0.15
(1,981)	1:A:88:LEU:N	1:A:84:THR:O	3	0.15
(1,981)	1:A:88:LEU:N	1:B:84:THR:O	3	0.15
(1,981)	1:B:88:LEU:N	1:A:84:THR:O	3	0.15
(1,981)	1:B:88:LEU:N	1:B:84:THR:O	3	0.15
(1,975)	1:A:85:VAL:N	1:A:81:LEU:O	17	0.15
(1,975)	1:A:85:VAL:N	1:B:81:LEU:O	17	0.15
(1,975)	1:B:85:VAL:N	1:A:81:LEU:O	17	0.15
(1,975)	1:B:85:VAL:N	1:B:81:LEU:O	17	0.15
(1,967)	1:A:81:LEU:N	1:A:77:LYS:O	16	0.15
(1,967)	1:A:81:LEU:N	1:B:77:LYS:O	16	0.15
(1,967)	1:B:81:LEU:N	1:A:77:LYS:O	16	0.15
(1,967)	1:B:81:LEU:N	1:B:77:LYS:O	16	0.15
(1,961)	1:A:88:LEU:N	1:A:84:THR:O	3	0.15
(1,961)	1:A:88:LEU:N	1:B:84:THR:O	3	0.15
(1,961)	1:B:88:LEU:N	1:A:84:THR:O	3	0.15
(1,961)	1:B:88:LEU:N	1:B:84:THR:O	3	0.15
(1,955)	1:A:85:VAL:N	1:A:81:LEU:O	17	0.15
(1,955)	1:A:85:VAL:N	1:B:81:LEU:O	17	0.15
(1,955)	1:B:85:VAL:N	1:A:81:LEU:O	17	0.15
(1,955)	1:B:85:VAL:N	1:B:81:LEU:O	17	0.15
(1,947)	1:A:81:LEU:N	1:A:77:LYS:O	16	0.15
(1,947)	1:A:81:LEU:N	1:B:77:LYS:O	16	0.15
(1,947)	1:B:81:LEU:N	1:A:77:LYS:O	16	0.15
(1,947)	1:B:81:LEU:N	1:B:77:LYS:O	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,782)	1:A:64:ALA:HB1	1:A:66:LYS:H	8	0.15
(1,782)	1:A:64:ALA:HB1	1:B:66:LYS:H	8	0.15
(1,782)	1:A:64:ALA:HB2	1:A:66:LYS:H	8	0.15
(1,782)	1:A:64:ALA:HB2	1:B:66:LYS:H	8	0.15
(1,782)	1:A:64:ALA:HB3	1:A:66:LYS:H	8	0.15
(1,782)	1:A:64:ALA:HB3	1:B:66:LYS:H	8	0.15
(1,782)	1:B:64:ALA:HB1	1:A:66:LYS:H	8	0.15
(1,782)	1:B:64:ALA:HB1	1:B:66:LYS:H	8	0.15
(1,782)	1:B:64:ALA:HB2	1:A:66:LYS:H	8	0.15
(1,782)	1:B:64:ALA:HB2	1:B:66:LYS:H	8	0.15
(1,782)	1:B:64:ALA:HB3	1:A:66:LYS:H	8	0.15
(1,782)	1:B:64:ALA:HB3	1:B:66:LYS:H	8	0.15
(1,768)	1:A:86:LYS:H	1:A:86:LYS:HD3	1	0.15
(1,768)	1:A:86:LYS:H	1:B:86:LYS:HD3	1	0.15
(1,768)	1:B:86:LYS:H	1:A:86:LYS:HD3	1	0.15
(1,768)	1:B:86:LYS:H	1:B:86:LYS:HD3	1	0.15
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD21	10	0.15
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD22	10	0.15
(1,574)	1:A:64:ALA:HB2	1:A:65:LEU:HD23	10	0.15
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD21	10	0.15
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD22	10	0.15
(1,574)	1:A:64:ALA:HB2	1:B:65:LEU:HD23	10	0.15
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD21	10	0.15
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD22	10	0.15
(1,574)	1:B:64:ALA:HB2	1:A:65:LEU:HD23	10	0.15
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD21	10	0.15
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD22	10	0.15
(1,574)	1:B:64:ALA:HB2	1:B:65:LEU:HD23	10	0.15
(1,566)	1:A:56:GLN:HG2	1:A:82:GLU:HA	10	0.15
(1,566)	1:A:56:GLN:HG2	1:B:82:GLU:HA	10	0.15
(1,566)	1:B:56:GLN:HG2	1:A:82:GLU:HA	10	0.15
(1,566)	1:B:56:GLN:HG2	1:B:82:GLU:HA	10	0.15
(1,52)	1:A:71:ARG:HB2	1:A:72:HIS:H	17	0.15
(1,52)	1:A:71:ARG:HB2	1:B:72:HIS:H	17	0.15
(1,52)	1:A:71:ARG:HB3	1:A:72:HIS:H	17	0.15
(1,52)	1:A:71:ARG:HB3	1:B:72:HIS:H	17	0.15
(1,52)	1:B:71:ARG:HB2	1:A:72:HIS:H	17	0.15
(1,52)	1:B:71:ARG:HB2	1:B:72:HIS:H	17	0.15
(1,52)	1:B:71:ARG:HB3	1:A:72:HIS:H	17	0.15
(1,52)	1:B:71:ARG:HB3	1:B:72:HIS:H	17	0.15
(1,316)	1:A:90:ASN:H	1:A:91:LEU:HG	6	0.15
(1,316)	1:A:90:ASN:H	1:B:91:LEU:HG	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,316)	1:B:90:ASN:H	1:A:91:LEU:HG	6	0.15
(1,316)	1:B:90:ASN:H	1:B:91:LEU:HG	6	0.15
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD11	14	0.15
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD12	14	0.15
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD13	14	0.15
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD11	14	0.15
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD12	14	0.15
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD13	14	0.15
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD11	14	0.15
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD12	14	0.15
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD13	14	0.15
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD11	14	0.15
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD12	14	0.15
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD13	14	0.15
(1,991)	1:A:93:ARG:N	1:A:89:ARG:O	1	0.14
(1,991)	1:A:93:ARG:N	1:B:89:ARG:O	1	0.14
(1,991)	1:B:93:ARG:N	1:A:89:ARG:O	1	0.14
(1,991)	1:B:93:ARG:N	1:B:89:ARG:O	1	0.14
(1,991)	1:A:93:ARG:N	1:A:89:ARG:O	7	0.14
(1,991)	1:A:93:ARG:N	1:B:89:ARG:O	7	0.14
(1,991)	1:B:93:ARG:N	1:A:89:ARG:O	7	0.14
(1,991)	1:B:93:ARG:N	1:B:89:ARG:O	7	0.14
(1,987)	1:A:91:LEU:N	1:A:87:HIS:O	18	0.14
(1,987)	1:A:91:LEU:N	1:B:87:HIS:O	18	0.14
(1,987)	1:B:91:LEU:N	1:A:87:HIS:O	18	0.14
(1,987)	1:B:91:LEU:N	1:B:87:HIS:O	18	0.14
(1,986)	1:A:91:LEU:H	1:A:87:HIS:O	20	0.14
(1,986)	1:A:91:LEU:H	1:B:87:HIS:O	20	0.14
(1,986)	1:B:91:LEU:H	1:A:87:HIS:O	20	0.14
(1,986)	1:B:91:LEU:H	1:B:87:HIS:O	20	0.14
(1,981)	1:A:88:LEU:N	1:A:84:THR:O	1	0.14
(1,981)	1:A:88:LEU:N	1:B:84:THR:O	1	0.14
(1,981)	1:B:88:LEU:N	1:A:84:THR:O	1	0.14
(1,981)	1:B:88:LEU:N	1:B:84:THR:O	1	0.14
(1,981)	1:A:88:LEU:N	1:A:84:THR:O	12	0.14
(1,981)	1:A:88:LEU:N	1:B:84:THR:O	12	0.14
(1,981)	1:B:88:LEU:N	1:A:84:THR:O	12	0.14
(1,981)	1:B:88:LEU:N	1:B:84:THR:O	12	0.14
(1,961)	1:A:88:LEU:N	1:A:84:THR:O	1	0.14
(1,961)	1:A:88:LEU:N	1:B:84:THR:O	1	0.14
(1,961)	1:B:88:LEU:N	1:A:84:THR:O	1	0.14
(1,961)	1:B:88:LEU:N	1:B:84:THR:O	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:A:88:LEU:N	1:A:84:THR:O	12	0.14
(1,961)	1:A:88:LEU:N	1:B:84:THR:O	12	0.14
(1,961)	1:B:88:LEU:N	1:A:84:THR:O	12	0.14
(1,961)	1:B:88:LEU:N	1:B:84:THR:O	12	0.14
(1,945)	1:A:80:ILE:N	1:A:76:GLU:O	9	0.14
(1,945)	1:A:80:ILE:N	1:B:76:GLU:O	9	0.14
(1,945)	1:B:80:ILE:N	1:A:76:GLU:O	9	0.14
(1,945)	1:B:80:ILE:N	1:B:76:GLU:O	9	0.14
(1,945)	1:A:80:ILE:N	1:A:76:GLU:O	16	0.14
(1,945)	1:A:80:ILE:N	1:B:76:GLU:O	16	0.14
(1,945)	1:B:80:ILE:N	1:A:76:GLU:O	16	0.14
(1,945)	1:B:80:ILE:N	1:B:76:GLU:O	16	0.14
(1,935)	1:A:74:LYS:N	1:A:70:SER:O	7	0.14
(1,935)	1:A:74:LYS:N	1:B:70:SER:O	7	0.14
(1,935)	1:B:74:LYS:N	1:A:70:SER:O	7	0.14
(1,935)	1:B:74:LYS:N	1:B:70:SER:O	7	0.14
(1,930)	1:A:72:HIS:H	1:A:68:ASP:O	20	0.14
(1,930)	1:A:72:HIS:H	1:B:68:ASP:O	20	0.14
(1,930)	1:B:72:HIS:H	1:A:68:ASP:O	20	0.14
(1,930)	1:B:72:HIS:H	1:B:68:ASP:O	20	0.14
(1,768)	1:A:86:LYS:H	1:A:86:LYS:HD3	5	0.14
(1,768)	1:A:86:LYS:H	1:B:86:LYS:HD3	5	0.14
(1,768)	1:B:86:LYS:H	1:A:86:LYS:HD3	5	0.14
(1,768)	1:B:86:LYS:H	1:B:86:LYS:HD3	5	0.14
(1,738)	1:A:76:GLU:HA	1:A:79:ASP:HB2	2	0.14
(1,738)	1:A:76:GLU:HA	1:B:79:ASP:HB2	2	0.14
(1,738)	1:B:76:GLU:HA	1:A:79:ASP:HB2	2	0.14
(1,738)	1:B:76:GLU:HA	1:B:79:ASP:HB2	2	0.14
(1,609)	1:A:92:GLN:HB2	1:A:93:ARG:HB2	2	0.14
(1,609)	1:A:92:GLN:HB2	1:B:93:ARG:HB2	2	0.14
(1,609)	1:A:92:GLN:HB3	1:A:93:ARG:HB2	2	0.14
(1,609)	1:A:92:GLN:HB3	1:B:93:ARG:HB2	2	0.14
(1,609)	1:B:92:GLN:HB2	1:A:93:ARG:HB2	2	0.14
(1,609)	1:B:92:GLN:HB2	1:B:93:ARG:HB2	2	0.14
(1,609)	1:B:92:GLN:HB3	1:A:93:ARG:HB2	2	0.14
(1,609)	1:B:92:GLN:HB3	1:B:93:ARG:HB2	2	0.14
(1,50)	1:A:68:ASP:HA	1:A:71:ARG:H	10	0.14
(1,50)	1:A:68:ASP:HA	1:B:71:ARG:H	10	0.14
(1,50)	1:B:68:ASP:HA	1:A:71:ARG:H	10	0.14
(1,50)	1:B:68:ASP:HA	1:B:71:ARG:H	10	0.14
(1,482)	1:A:81:LEU:HA	1:A:84:THR:HB	8	0.14
(1,482)	1:A:81:LEU:HA	1:B:84:THR:HB	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,482)	1:B:81:LEU:HA	1:A:84:THR:HB	8	0.14
(1,482)	1:B:81:LEU:HA	1:B:84:THR:HB	8	0.14
(1,363)	1:A:68:ASP:HA	1:A:72:HIS:H	17	0.14
(1,363)	1:A:68:ASP:HA	1:B:72:HIS:H	17	0.14
(1,363)	1:B:68:ASP:HA	1:A:72:HIS:H	17	0.14
(1,363)	1:B:68:ASP:HA	1:B:72:HIS:H	17	0.14
(1,189)	1:A:75:LEU:HA	1:A:79:ASP:H	2	0.14
(1,189)	1:A:75:LEU:HA	1:B:79:ASP:H	2	0.14
(1,189)	1:B:75:LEU:HA	1:A:79:ASP:H	2	0.14
(1,189)	1:B:75:LEU:HA	1:B:79:ASP:H	2	0.14
(1,991)	1:A:93:ARG:N	1:A:89:ARG:O	2	0.13
(1,991)	1:A:93:ARG:N	1:B:89:ARG:O	2	0.13
(1,991)	1:B:93:ARG:N	1:A:89:ARG:O	2	0.13
(1,991)	1:B:93:ARG:N	1:B:89:ARG:O	2	0.13
(1,991)	1:A:93:ARG:N	1:A:89:ARG:O	8	0.13
(1,991)	1:A:93:ARG:N	1:B:89:ARG:O	8	0.13
(1,991)	1:B:93:ARG:N	1:A:89:ARG:O	8	0.13
(1,991)	1:B:93:ARG:N	1:B:89:ARG:O	8	0.13
(1,986)	1:A:91:LEU:H	1:A:87:HIS:O	19	0.13
(1,986)	1:A:91:LEU:H	1:B:87:HIS:O	19	0.13
(1,986)	1:B:91:LEU:H	1:A:87:HIS:O	19	0.13
(1,986)	1:B:91:LEU:H	1:B:87:HIS:O	19	0.13
(1,981)	1:A:88:LEU:N	1:A:84:THR:O	6	0.13
(1,981)	1:A:88:LEU:N	1:B:84:THR:O	6	0.13
(1,981)	1:B:88:LEU:N	1:A:84:THR:O	6	0.13
(1,981)	1:B:88:LEU:N	1:B:84:THR:O	6	0.13
(1,975)	1:A:85:VAL:N	1:A:81:LEU:O	7	0.13
(1,975)	1:A:85:VAL:N	1:B:81:LEU:O	7	0.13
(1,975)	1:B:85:VAL:N	1:A:81:LEU:O	7	0.13
(1,975)	1:B:85:VAL:N	1:B:81:LEU:O	7	0.13
(1,971)	1:A:83:MET:N	1:A:79:ASP:O	16	0.13
(1,971)	1:A:83:MET:N	1:B:79:ASP:O	16	0.13
(1,971)	1:B:83:MET:N	1:A:79:ASP:O	16	0.13
(1,971)	1:B:83:MET:N	1:B:79:ASP:O	16	0.13
(1,967)	1:A:81:LEU:N	1:A:77:LYS:O	7	0.13
(1,967)	1:A:81:LEU:N	1:B:77:LYS:O	7	0.13
(1,967)	1:B:81:LEU:N	1:A:77:LYS:O	7	0.13
(1,967)	1:B:81:LEU:N	1:B:77:LYS:O	7	0.13
(1,961)	1:A:88:LEU:N	1:A:84:THR:O	6	0.13
(1,961)	1:A:88:LEU:N	1:B:84:THR:O	6	0.13
(1,961)	1:B:88:LEU:N	1:A:84:THR:O	6	0.13
(1,961)	1:B:88:LEU:N	1:B:84:THR:O	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,955)	1:A:85:VAL:N	1:A:81:LEU:O	7	0.13
(1,955)	1:A:85:VAL:N	1:B:81:LEU:O	7	0.13
(1,955)	1:B:85:VAL:N	1:A:81:LEU:O	7	0.13
(1,955)	1:B:85:VAL:N	1:B:81:LEU:O	7	0.13
(1,951)	1:A:83:MET:N	1:A:79:ASP:O	16	0.13
(1,951)	1:A:83:MET:N	1:B:79:ASP:O	16	0.13
(1,951)	1:B:83:MET:N	1:A:79:ASP:O	16	0.13
(1,951)	1:B:83:MET:N	1:B:79:ASP:O	16	0.13
(1,947)	1:A:81:LEU:N	1:A:77:LYS:O	7	0.13
(1,947)	1:A:81:LEU:N	1:B:77:LYS:O	7	0.13
(1,947)	1:B:81:LEU:N	1:A:77:LYS:O	7	0.13
(1,947)	1:B:81:LEU:N	1:B:77:LYS:O	7	0.13
(1,930)	1:A:72:HIS:H	1:A:68:ASP:O	12	0.13
(1,930)	1:A:72:HIS:H	1:B:68:ASP:O	12	0.13
(1,930)	1:B:72:HIS:H	1:A:68:ASP:O	12	0.13
(1,930)	1:B:72:HIS:H	1:B:68:ASP:O	12	0.13
(1,930)	1:A:72:HIS:H	1:A:68:ASP:O	13	0.13
(1,930)	1:A:72:HIS:H	1:B:68:ASP:O	13	0.13
(1,930)	1:B:72:HIS:H	1:A:68:ASP:O	13	0.13
(1,930)	1:B:72:HIS:H	1:B:68:ASP:O	13	0.13
(1,831)	1:A:87:HIS:HD1	1:A:91:LEU:H	2	0.13
(1,831)	1:A:87:HIS:HD1	1:B:91:LEU:H	2	0.13
(1,831)	1:A:87:HIS:HD2	1:A:91:LEU:H	2	0.13
(1,831)	1:A:87:HIS:HD2	1:B:91:LEU:H	2	0.13
(1,831)	1:B:87:HIS:HD1	1:A:91:LEU:H	2	0.13
(1,831)	1:B:87:HIS:HD1	1:B:91:LEU:H	2	0.13
(1,831)	1:B:87:HIS:HD2	1:A:91:LEU:H	2	0.13
(1,831)	1:B:87:HIS:HD2	1:B:91:LEU:H	2	0.13
(1,788)	1:A:65:LEU:HG	1:A:66:LYS:H	6	0.13
(1,788)	1:A:65:LEU:HG	1:B:66:LYS:H	6	0.13
(1,788)	1:B:65:LEU:HG	1:A:66:LYS:H	6	0.13
(1,788)	1:B:65:LEU:HG	1:B:66:LYS:H	6	0.13
(1,788)	1:A:65:LEU:HG	1:A:66:LYS:H	13	0.13
(1,788)	1:A:65:LEU:HG	1:B:66:LYS:H	13	0.13
(1,788)	1:B:65:LEU:HG	1:A:66:LYS:H	13	0.13
(1,788)	1:B:65:LEU:HG	1:B:66:LYS:H	13	0.13
(1,768)	1:A:86:LYS:H	1:A:86:LYS:HD3	2	0.13
(1,768)	1:A:86:LYS:H	1:B:86:LYS:HD3	2	0.13
(1,768)	1:B:86:LYS:H	1:A:86:LYS:HD3	2	0.13
(1,768)	1:B:86:LYS:H	1:B:86:LYS:HD3	2	0.13
(1,768)	1:A:86:LYS:H	1:A:86:LYS:HD3	16	0.13
(1,768)	1:A:86:LYS:H	1:B:86:LYS:HD3	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,768)	1:B:86:LYS:H	1:A:86:LYS:HD3	16	0.13
(1,768)	1:B:86:LYS:H	1:B:86:LYS:HD3	16	0.13
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD11	10	0.13
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD12	10	0.13
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD13	10	0.13
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD11	10	0.13
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD12	10	0.13
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD13	10	0.13
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD11	10	0.13
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD12	10	0.13
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD13	10	0.13
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD11	10	0.13
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD12	10	0.13
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD13	10	0.13
(1,738)	1:A:76:GLU:HA	1:A:79:ASP:HB2	6	0.13
(1,738)	1:A:76:GLU:HA	1:B:79:ASP:HB2	6	0.13
(1,738)	1:B:76:GLU:HA	1:A:79:ASP:HB2	6	0.13
(1,738)	1:B:76:GLU:HA	1:B:79:ASP:HB2	6	0.13
(1,705)	1:A:72:HIS:HA	1:A:75:LEU:HD11	14	0.13
(1,705)	1:A:72:HIS:HA	1:A:75:LEU:HD12	14	0.13
(1,705)	1:A:72:HIS:HA	1:A:75:LEU:HD13	14	0.13
(1,705)	1:A:72:HIS:HA	1:B:75:LEU:HD11	14	0.13
(1,705)	1:A:72:HIS:HA	1:B:75:LEU:HD12	14	0.13
(1,705)	1:A:72:HIS:HA	1:B:75:LEU:HD13	14	0.13
(1,705)	1:B:72:HIS:HA	1:A:75:LEU:HD11	14	0.13
(1,705)	1:B:72:HIS:HA	1:A:75:LEU:HD12	14	0.13
(1,705)	1:B:72:HIS:HA	1:A:75:LEU:HD13	14	0.13
(1,705)	1:B:72:HIS:HA	1:B:75:LEU:HD11	14	0.13
(1,705)	1:B:72:HIS:HA	1:B:75:LEU:HD12	14	0.13
(1,705)	1:B:72:HIS:HA	1:B:75:LEU:HD13	14	0.13
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB2	15	0.13
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB3	15	0.13
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB2	15	0.13
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB3	15	0.13
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB2	15	0.13
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB3	15	0.13
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB2	15	0.13
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB3	15	0.13
(1,609)	1:A:92:GLN:HB2	1:A:93:ARG:HB2	17	0.13
(1,609)	1:A:92:GLN:HB2	1:B:93:ARG:HB2	17	0.13
(1,609)	1:A:92:GLN:HB3	1:A:93:ARG:HB2	17	0.13
(1,609)	1:A:92:GLN:HB3	1:B:93:ARG:HB2	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:B:92:GLN:HB2	1:A:93:ARG:HB2	17	0.13
(1,609)	1:B:92:GLN:HB2	1:B:93:ARG:HB2	17	0.13
(1,609)	1:B:92:GLN:HB3	1:A:93:ARG:HB2	17	0.13
(1,609)	1:B:92:GLN:HB3	1:B:93:ARG:HB2	17	0.13
(1,566)	1:A:56:GLN:HG2	1:A:82:GLU:HA	17	0.13
(1,566)	1:A:56:GLN:HG2	1:B:82:GLU:HA	17	0.13
(1,566)	1:B:56:GLN:HG2	1:A:82:GLU:HA	17	0.13
(1,566)	1:B:56:GLN:HG2	1:B:82:GLU:HA	17	0.13
(1,39)	1:A:68:ASP:H	1:A:69:SER:H	13	0.13
(1,39)	1:A:68:ASP:H	1:B:69:SER:H	13	0.13
(1,39)	1:B:68:ASP:H	1:A:69:SER:H	13	0.13
(1,39)	1:B:68:ASP:H	1:B:69:SER:H	13	0.13
(1,991)	1:A:93:ARG:N	1:A:89:ARG:O	10	0.12
(1,991)	1:A:93:ARG:N	1:B:89:ARG:O	10	0.12
(1,991)	1:B:93:ARG:N	1:A:89:ARG:O	10	0.12
(1,991)	1:B:93:ARG:N	1:B:89:ARG:O	10	0.12
(1,985)	1:A:90:ASN:N	1:A:86:LYS:O	19	0.12
(1,985)	1:A:90:ASN:N	1:B:86:LYS:O	19	0.12
(1,985)	1:B:90:ASN:N	1:A:86:LYS:O	19	0.12
(1,985)	1:B:90:ASN:N	1:B:86:LYS:O	19	0.12
(1,981)	1:A:88:LEU:N	1:A:84:THR:O	9	0.12
(1,981)	1:A:88:LEU:N	1:B:84:THR:O	9	0.12
(1,981)	1:B:88:LEU:N	1:A:84:THR:O	9	0.12
(1,981)	1:B:88:LEU:N	1:B:84:THR:O	9	0.12
(1,981)	1:A:88:LEU:N	1:A:84:THR:O	14	0.12
(1,981)	1:A:88:LEU:N	1:B:84:THR:O	14	0.12
(1,981)	1:B:88:LEU:N	1:A:84:THR:O	14	0.12
(1,981)	1:B:88:LEU:N	1:B:84:THR:O	14	0.12
(1,978)	1:A:87:HIS:H	1:A:83:MET:O	11	0.12
(1,978)	1:A:87:HIS:H	1:B:83:MET:O	11	0.12
(1,978)	1:B:87:HIS:H	1:A:83:MET:O	11	0.12
(1,978)	1:B:87:HIS:H	1:B:83:MET:O	11	0.12
(1,967)	1:A:81:LEU:N	1:A:77:LYS:O	1	0.12
(1,967)	1:A:81:LEU:N	1:B:77:LYS:O	1	0.12
(1,967)	1:B:81:LEU:N	1:A:77:LYS:O	1	0.12
(1,967)	1:B:81:LEU:N	1:B:77:LYS:O	1	0.12
(1,965)	1:A:90:ASN:N	1:A:86:LYS:O	19	0.12
(1,965)	1:A:90:ASN:N	1:B:86:LYS:O	19	0.12
(1,965)	1:B:90:ASN:N	1:A:86:LYS:O	19	0.12
(1,965)	1:B:90:ASN:N	1:B:86:LYS:O	19	0.12
(1,961)	1:A:88:LEU:N	1:A:84:THR:O	9	0.12
(1,961)	1:A:88:LEU:N	1:B:84:THR:O	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:B:88:LEU:N	1:A:84:THR:O	9	0.12
(1,961)	1:B:88:LEU:N	1:B:84:THR:O	9	0.12
(1,961)	1:A:88:LEU:N	1:A:84:THR:O	14	0.12
(1,961)	1:A:88:LEU:N	1:B:84:THR:O	14	0.12
(1,961)	1:B:88:LEU:N	1:A:84:THR:O	14	0.12
(1,961)	1:B:88:LEU:N	1:B:84:THR:O	14	0.12
(1,958)	1:A:87:HIS:H	1:A:83:MET:O	11	0.12
(1,958)	1:A:87:HIS:H	1:B:83:MET:O	11	0.12
(1,958)	1:B:87:HIS:H	1:A:83:MET:O	11	0.12
(1,958)	1:B:87:HIS:H	1:B:83:MET:O	11	0.12
(1,947)	1:A:81:LEU:N	1:A:77:LYS:O	1	0.12
(1,947)	1:A:81:LEU:N	1:B:77:LYS:O	1	0.12
(1,947)	1:B:81:LEU:N	1:A:77:LYS:O	1	0.12
(1,947)	1:B:81:LEU:N	1:B:77:LYS:O	1	0.12
(1,944)	1:A:80:ILE:H	1:A:76:GLU:O	19	0.12
(1,944)	1:A:80:ILE:H	1:B:76:GLU:O	19	0.12
(1,944)	1:B:80:ILE:H	1:A:76:GLU:O	19	0.12
(1,944)	1:B:80:ILE:H	1:B:76:GLU:O	19	0.12
(1,768)	1:A:86:LYS:H	1:A:86:LYS:HD3	8	0.12
(1,768)	1:A:86:LYS:H	1:B:86:LYS:HD3	8	0.12
(1,768)	1:B:86:LYS:H	1:A:86:LYS:HD3	8	0.12
(1,768)	1:B:86:LYS:H	1:B:86:LYS:HD3	8	0.12
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD11	9	0.12
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD12	9	0.12
(1,745)	1:A:72:HIS:H	1:A:75:LEU:HD13	9	0.12
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD11	9	0.12
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD12	9	0.12
(1,745)	1:A:72:HIS:H	1:B:75:LEU:HD13	9	0.12
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD11	9	0.12
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD12	9	0.12
(1,745)	1:B:72:HIS:H	1:A:75:LEU:HD13	9	0.12
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD11	9	0.12
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD12	9	0.12
(1,745)	1:B:72:HIS:H	1:B:75:LEU:HD13	9	0.12
(1,738)	1:A:76:GLU:HA	1:A:79:ASP:HB2	5	0.12
(1,738)	1:A:76:GLU:HA	1:B:79:ASP:HB2	5	0.12
(1,738)	1:B:76:GLU:HA	1:A:79:ASP:HB2	5	0.12
(1,738)	1:B:76:GLU:HA	1:B:79:ASP:HB2	5	0.12
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB2	9	0.12
(1,673)	1:A:56:GLN:HG2	1:A:82:GLU:HB3	9	0.12
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB2	9	0.12
(1,673)	1:A:56:GLN:HG2	1:B:82:GLU:HB3	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB2	9	0.12
(1,673)	1:B:56:GLN:HG2	1:A:82:GLU:HB3	9	0.12
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB2	9	0.12
(1,673)	1:B:56:GLN:HG2	1:B:82:GLU:HB3	9	0.12
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD1	2	0.12
(1,577)	1:A:68:ASP:HB2	1:A:72:HIS:HD2	2	0.12
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD1	2	0.12
(1,577)	1:A:68:ASP:HB2	1:B:72:HIS:HD2	2	0.12
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD1	2	0.12
(1,577)	1:A:68:ASP:HB3	1:A:72:HIS:HD2	2	0.12
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD1	2	0.12
(1,577)	1:A:68:ASP:HB3	1:B:72:HIS:HD2	2	0.12
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD1	2	0.12
(1,577)	1:B:68:ASP:HB2	1:A:72:HIS:HD2	2	0.12
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD1	2	0.12
(1,577)	1:B:68:ASP:HB2	1:B:72:HIS:HD2	2	0.12
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD1	2	0.12
(1,577)	1:B:68:ASP:HB3	1:A:72:HIS:HD2	2	0.12
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD1	2	0.12
(1,577)	1:B:68:ASP:HB3	1:B:72:HIS:HD2	2	0.12
(1,559)	1:A:85:VAL:HA	1:A:88:LEU:HB2	17	0.12
(1,559)	1:A:85:VAL:HA	1:B:88:LEU:HB2	17	0.12
(1,559)	1:B:85:VAL:HA	1:A:88:LEU:HB2	17	0.12
(1,559)	1:B:85:VAL:HA	1:B:88:LEU:HB2	17	0.12
(1,484)	1:A:91:LEU:HA	1:A:93:ARG:HA	10	0.12
(1,484)	1:A:91:LEU:HA	1:B:93:ARG:HA	10	0.12
(1,484)	1:B:91:LEU:HA	1:A:93:ARG:HA	10	0.12
(1,484)	1:B:91:LEU:HA	1:B:93:ARG:HA	10	0.12
(1,482)	1:A:81:LEU:HA	1:A:84:THR:HB	2	0.12
(1,482)	1:A:81:LEU:HA	1:B:84:THR:HB	2	0.12
(1,482)	1:B:81:LEU:HA	1:A:84:THR:HB	2	0.12
(1,482)	1:B:81:LEU:HA	1:B:84:THR:HB	2	0.12
(1,421)	1:A:79:ASP:HB3	1:A:80:ILE:HB	12	0.12
(1,421)	1:A:79:ASP:HB3	1:B:80:ILE:HB	12	0.12
(1,421)	1:B:79:ASP:HB3	1:A:80:ILE:HB	12	0.12
(1,421)	1:B:79:ASP:HB3	1:B:80:ILE:HB	12	0.12
(1,421)	1:A:79:ASP:HB3	1:A:80:ILE:HB	14	0.12
(1,421)	1:A:79:ASP:HB3	1:B:80:ILE:HB	14	0.12
(1,421)	1:B:79:ASP:HB3	1:A:80:ILE:HB	14	0.12
(1,421)	1:B:79:ASP:HB3	1:B:80:ILE:HB	14	0.12
(1,379)	1:A:65:LEU:HD21	1:A:66:LYS:H	14	0.12
(1,379)	1:A:65:LEU:HD21	1:B:66:LYS:H	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:A:65:LEU:HD22	1:A:66:LYS:H	14	0.12
(1,379)	1:A:65:LEU:HD22	1:B:66:LYS:H	14	0.12
(1,379)	1:A:65:LEU:HD23	1:A:66:LYS:H	14	0.12
(1,379)	1:A:65:LEU:HD23	1:B:66:LYS:H	14	0.12
(1,379)	1:B:65:LEU:HD21	1:A:66:LYS:H	14	0.12
(1,379)	1:B:65:LEU:HD21	1:B:66:LYS:H	14	0.12
(1,379)	1:B:65:LEU:HD22	1:A:66:LYS:H	14	0.12
(1,379)	1:B:65:LEU:HD22	1:B:66:LYS:H	14	0.12
(1,379)	1:B:65:LEU:HD23	1:A:66:LYS:H	14	0.12
(1,379)	1:B:65:LEU:HD23	1:B:66:LYS:H	14	0.12
(1,988)	1:A:92:GLN:H	1:A:88:LEU:O	11	0.11
(1,988)	1:A:92:GLN:H	1:B:88:LEU:O	11	0.11
(1,988)	1:B:92:GLN:H	1:A:88:LEU:O	11	0.11
(1,988)	1:B:92:GLN:H	1:B:88:LEU:O	11	0.11
(1,986)	1:A:91:LEU:H	1:A:87:HIS:O	1	0.11
(1,986)	1:A:91:LEU:H	1:B:87:HIS:O	1	0.11
(1,986)	1:B:91:LEU:H	1:A:87:HIS:O	1	0.11
(1,986)	1:B:91:LEU:H	1:B:87:HIS:O	1	0.11
(1,986)	1:A:91:LEU:H	1:A:87:HIS:O	10	0.11
(1,986)	1:A:91:LEU:H	1:B:87:HIS:O	10	0.11
(1,986)	1:B:91:LEU:H	1:A:87:HIS:O	10	0.11
(1,986)	1:B:91:LEU:H	1:B:87:HIS:O	10	0.11
(1,986)	1:A:91:LEU:H	1:A:87:HIS:O	15	0.11
(1,986)	1:A:91:LEU:H	1:B:87:HIS:O	15	0.11
(1,986)	1:B:91:LEU:H	1:A:87:HIS:O	15	0.11
(1,986)	1:B:91:LEU:H	1:B:87:HIS:O	15	0.11
(1,986)	1:A:91:LEU:H	1:A:87:HIS:O	16	0.11
(1,986)	1:A:91:LEU:H	1:B:87:HIS:O	16	0.11
(1,986)	1:B:91:LEU:H	1:A:87:HIS:O	16	0.11
(1,986)	1:B:91:LEU:H	1:B:87:HIS:O	16	0.11
(1,969)	1:A:82:GLU:N	1:A:78:ALA:O	3	0.11
(1,969)	1:A:82:GLU:N	1:B:78:ALA:O	3	0.11
(1,969)	1:B:82:GLU:N	1:A:78:ALA:O	3	0.11
(1,969)	1:B:82:GLU:N	1:B:78:ALA:O	3	0.11
(1,949)	1:A:82:GLU:N	1:A:78:ALA:O	3	0.11
(1,949)	1:A:82:GLU:N	1:B:78:ALA:O	3	0.11
(1,949)	1:B:82:GLU:N	1:A:78:ALA:O	3	0.11
(1,949)	1:B:82:GLU:N	1:B:78:ALA:O	3	0.11
(1,945)	1:A:80:ILE:N	1:A:76:GLU:O	8	0.11
(1,945)	1:A:80:ILE:N	1:B:76:GLU:O	8	0.11
(1,945)	1:B:80:ILE:N	1:A:76:GLU:O	8	0.11
(1,945)	1:B:80:ILE:N	1:B:76:GLU:O	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,944)	1:A:80:ILE:H	1:A:76:GLU:O	7	0.11
(1,944)	1:A:80:ILE:H	1:B:76:GLU:O	7	0.11
(1,944)	1:B:80:ILE:H	1:A:76:GLU:O	7	0.11
(1,944)	1:B:80:ILE:H	1:B:76:GLU:O	7	0.11
(1,935)	1:A:74:LYS:N	1:A:70:SER:O	17	0.11
(1,935)	1:A:74:LYS:N	1:B:70:SER:O	17	0.11
(1,935)	1:B:74:LYS:N	1:A:70:SER:O	17	0.11
(1,935)	1:B:74:LYS:N	1:B:70:SER:O	17	0.11
(1,933)	1:A:73:SER:N	1:A:69:SER:O	12	0.11
(1,933)	1:A:73:SER:N	1:B:69:SER:O	12	0.11
(1,933)	1:B:73:SER:N	1:A:69:SER:O	12	0.11
(1,933)	1:B:73:SER:N	1:B:69:SER:O	12	0.11
(1,933)	1:A:73:SER:N	1:A:69:SER:O	19	0.11
(1,933)	1:A:73:SER:N	1:B:69:SER:O	19	0.11
(1,933)	1:B:73:SER:N	1:A:69:SER:O	19	0.11
(1,933)	1:B:73:SER:N	1:B:69:SER:O	19	0.11
(1,930)	1:A:72:HIS:H	1:A:68:ASP:O	1	0.11
(1,930)	1:A:72:HIS:H	1:B:68:ASP:O	1	0.11
(1,930)	1:B:72:HIS:H	1:A:68:ASP:O	1	0.11
(1,930)	1:B:72:HIS:H	1:B:68:ASP:O	1	0.11
(1,930)	1:A:72:HIS:H	1:A:68:ASP:O	3	0.11
(1,930)	1:A:72:HIS:H	1:B:68:ASP:O	3	0.11
(1,930)	1:B:72:HIS:H	1:A:68:ASP:O	3	0.11
(1,930)	1:B:72:HIS:H	1:B:68:ASP:O	3	0.11
(1,930)	1:A:72:HIS:H	1:A:68:ASP:O	16	0.11
(1,930)	1:A:72:HIS:H	1:B:68:ASP:O	16	0.11
(1,930)	1:B:72:HIS:H	1:A:68:ASP:O	16	0.11
(1,930)	1:B:72:HIS:H	1:B:68:ASP:O	16	0.11
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB2	2	0.11
(1,824)	1:A:86:LYS:HG3	1:A:87:HIS:HB3	2	0.11
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB2	2	0.11
(1,824)	1:A:86:LYS:HG3	1:B:87:HIS:HB3	2	0.11
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB2	2	0.11
(1,824)	1:B:86:LYS:HG3	1:A:87:HIS:HB3	2	0.11
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB2	2	0.11
(1,824)	1:B:86:LYS:HG3	1:B:87:HIS:HB3	2	0.11
(1,743)	1:A:61:ILE:HD11	1:A:62:LEU:H	18	0.11
(1,743)	1:A:61:ILE:HD11	1:B:62:LEU:H	18	0.11
(1,743)	1:A:61:ILE:HD12	1:A:62:LEU:H	18	0.11
(1,743)	1:A:61:ILE:HD12	1:B:62:LEU:H	18	0.11
(1,743)	1:A:61:ILE:HD13	1:A:62:LEU:H	18	0.11
(1,743)	1:A:61:ILE:HD13	1:B:62:LEU:H	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,743)	1:B:61:ILE:HD11	1:A:62:LEU:H	18	0.11
(1,743)	1:B:61:ILE:HD11	1:B:62:LEU:H	18	0.11
(1,743)	1:B:61:ILE:HD12	1:A:62:LEU:H	18	0.11
(1,743)	1:B:61:ILE:HD12	1:B:62:LEU:H	18	0.11
(1,743)	1:B:61:ILE:HD13	1:A:62:LEU:H	18	0.11
(1,743)	1:B:61:ILE:HD13	1:B:62:LEU:H	18	0.11
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB2	4	0.11
(1,676)	1:A:88:LEU:HB2	1:A:89:ARG:HB3	4	0.11
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB2	4	0.11
(1,676)	1:A:88:LEU:HB2	1:B:89:ARG:HB3	4	0.11
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB2	4	0.11
(1,676)	1:B:88:LEU:HB2	1:A:89:ARG:HB3	4	0.11
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB2	4	0.11
(1,676)	1:B:88:LEU:HB2	1:B:89:ARG:HB3	4	0.11
(1,674)	1:A:88:LEU:HB2	1:A:91:LEU:HG	4	0.11
(1,674)	1:A:88:LEU:HB2	1:B:91:LEU:HG	4	0.11
(1,674)	1:B:88:LEU:HB2	1:A:91:LEU:HG	4	0.11
(1,674)	1:B:88:LEU:HB2	1:B:91:LEU:HG	4	0.11
(1,598)	1:A:66:LYS:HB2	1:A:67:LYS:HG2	12	0.11
(1,598)	1:A:66:LYS:HB2	1:B:67:LYS:HG2	12	0.11
(1,598)	1:A:66:LYS:HB3	1:A:67:LYS:HG2	12	0.11
(1,598)	1:A:66:LYS:HB3	1:B:67:LYS:HG2	12	0.11
(1,598)	1:B:66:LYS:HB2	1:A:67:LYS:HG2	12	0.11
(1,598)	1:B:66:LYS:HB2	1:B:67:LYS:HG2	12	0.11
(1,598)	1:B:66:LYS:HB3	1:A:67:LYS:HG2	12	0.11
(1,598)	1:B:66:LYS:HB3	1:B:67:LYS:HG2	12	0.11
(1,598)	1:A:66:LYS:HB2	1:A:67:LYS:HG2	15	0.11
(1,598)	1:A:66:LYS:HB2	1:B:67:LYS:HG2	15	0.11
(1,598)	1:A:66:LYS:HB3	1:A:67:LYS:HG2	15	0.11
(1,598)	1:A:66:LYS:HB3	1:B:67:LYS:HG2	15	0.11
(1,598)	1:B:66:LYS:HB2	1:A:67:LYS:HG2	15	0.11
(1,598)	1:B:66:LYS:HB2	1:B:67:LYS:HG2	15	0.11
(1,598)	1:B:66:LYS:HB3	1:A:67:LYS:HG2	15	0.11
(1,598)	1:B:66:LYS:HB3	1:B:67:LYS:HG2	15	0.11
(1,484)	1:A:91:LEU:HA	1:A:93:ARG:HA	20	0.11
(1,484)	1:A:91:LEU:HA	1:B:93:ARG:HA	20	0.11
(1,484)	1:B:91:LEU:HA	1:A:93:ARG:HA	20	0.11
(1,484)	1:B:91:LEU:HA	1:B:93:ARG:HA	20	0.11
(1,322)	1:A:90:ASN:H	1:A:92:GLN:HG2	20	0.11
(1,322)	1:A:90:ASN:H	1:A:92:GLN:HG3	20	0.11
(1,322)	1:A:90:ASN:H	1:B:92:GLN:HG2	20	0.11
(1,322)	1:A:90:ASN:H	1:B:92:GLN:HG3	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,322)	1:B:90:ASN:H	1:A:92:GLN:HG2	20	0.11
(1,322)	1:B:90:ASN:H	1:A:92:GLN:HG3	20	0.11
(1,322)	1:B:90:ASN:H	1:B:92:GLN:HG2	20	0.11
(1,322)	1:B:90:ASN:H	1:B:92:GLN:HG3	20	0.11
(1,299)	1:A:82:GLU:HB2	1:A:84:THR:H	20	0.11
(1,299)	1:A:82:GLU:HB2	1:B:84:THR:H	20	0.11
(1,299)	1:A:82:GLU:HB3	1:A:84:THR:H	20	0.11
(1,299)	1:A:82:GLU:HB3	1:B:84:THR:H	20	0.11
(1,299)	1:B:82:GLU:HB2	1:A:84:THR:H	20	0.11
(1,299)	1:B:82:GLU:HB2	1:B:84:THR:H	20	0.11
(1,299)	1:B:82:GLU:HB3	1:A:84:THR:H	20	0.11
(1,299)	1:B:82:GLU:HB3	1:B:84:THR:H	20	0.11
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD11	7	0.11
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD12	7	0.11
(1,276)	1:A:75:LEU:H	1:A:75:LEU:HD13	7	0.11
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD11	7	0.11
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD12	7	0.11
(1,276)	1:A:75:LEU:H	1:B:75:LEU:HD13	7	0.11
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD11	7	0.11
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD12	7	0.11
(1,276)	1:B:75:LEU:H	1:A:75:LEU:HD13	7	0.11
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD11	7	0.11
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD12	7	0.11
(1,276)	1:B:75:LEU:H	1:B:75:LEU:HD13	7	0.11
(1,275)	1:A:86:LYS:HG2	1:A:88:LEU:H	14	0.11
(1,275)	1:A:86:LYS:HG2	1:B:88:LEU:H	14	0.11
(1,275)	1:B:86:LYS:HG2	1:A:88:LEU:H	14	0.11
(1,275)	1:B:86:LYS:HG2	1:B:88:LEU:H	14	0.11
(1,274)	1:A:86:LYS:HG2	1:A:89:ARG:H	6	0.11
(1,274)	1:A:86:LYS:HG2	1:B:89:ARG:H	6	0.11
(1,274)	1:B:86:LYS:HG2	1:A:89:ARG:H	6	0.11
(1,274)	1:B:86:LYS:HG2	1:B:89:ARG:H	6	0.11
(1,189)	1:A:75:LEU:HA	1:A:79:ASP:H	13	0.11
(1,189)	1:A:75:LEU:HA	1:B:79:ASP:H	13	0.11
(1,189)	1:B:75:LEU:HA	1:A:79:ASP:H	13	0.11
(1,189)	1:B:75:LEU:HA	1:B:79:ASP:H	13	0.11

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

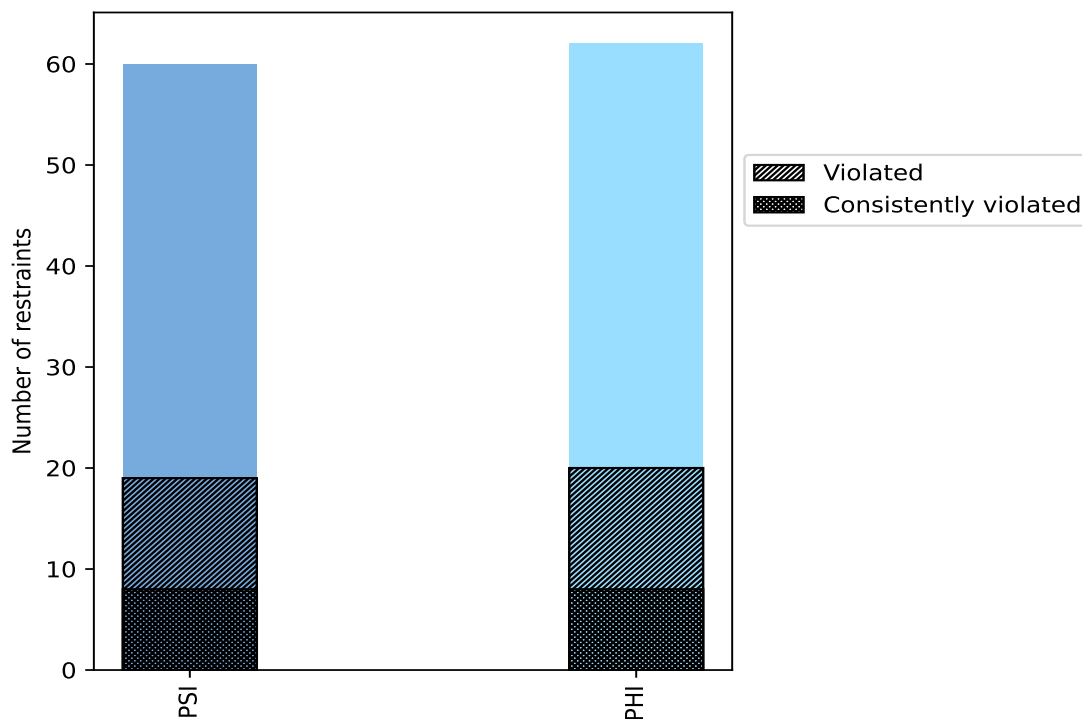
10.1 Summary of dihedral-angle violations [i](#)

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
PSI	60	49.2	19	31.7	15.6	8	13.3	6.6
PHI	62	50.8	20	32.3	16.4	8	12.9	6.6
Total	122	100.0	39	32.0	32.0	16	13.1	13.1

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](#)



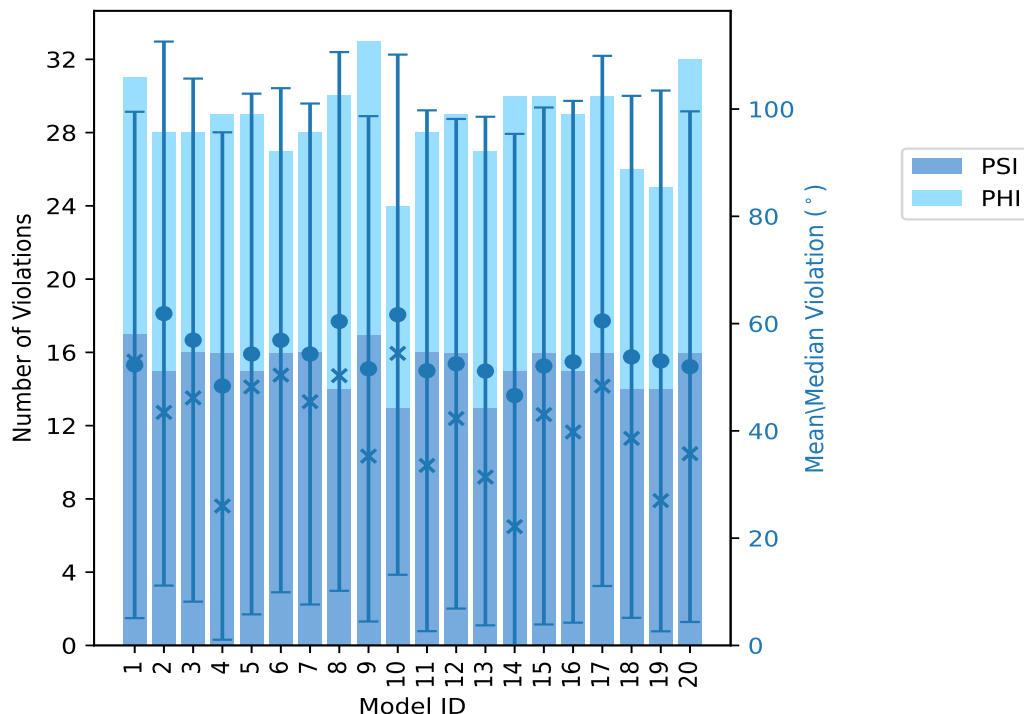
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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 (°)
	PSI	PHI	Total				
1	17	14	31	52.29	146.8	47.2	53.0
2	15	13	28	61.87	155.0	50.71	43.45
3	16	12	28	56.92	155.8	48.76	46.15
4	16	13	29	48.36	154.6	47.3	26.0
5	15	14	29	54.33	153.1	48.54	48.2
6	16	11	27	56.9	153.6	46.99	50.4
7	16	12	28	54.33	155.4	46.7	45.45
8	14	16	30	60.4	150.8	50.22	50.3
9	17	16	33	51.57	155.0	47.11	35.3
10	13	11	24	61.66	154.5	48.49	54.45
11	16	12	28	51.21	151.5	48.55	33.55
12	16	13	29	52.51	149.6	45.64	42.3
13	13	14	27	51.15	148.4	47.41	31.4
14	15	15	30	46.59	155.0	48.78	22.15
15	16	14	30	52.1	152.6	48.19	43.05
16	15	14	29	52.88	154.1	48.64	39.8
17	16	14	30	60.5	155.1	49.42	48.35
18	14	12	26	53.8	148.5	48.66	38.6
19	14	11	25	53.04	151.8	50.41	27.0
20	16	16	32	51.97	150.8	47.6	35.75

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	
PSI	PHI	Total	Count ¹	%
0	0	0	1	5.0
1	2	3	2	10.0
0	0	0	3	15.0
0	2	2	4	20.0
1	1	2	5	25.0
1	0	1	6	30.0
0	1	1	7	35.0
0	2	2	8	40.0
0	0	0	9	45.0
0	0	0	10	50.0
0	0	0	11	55.0

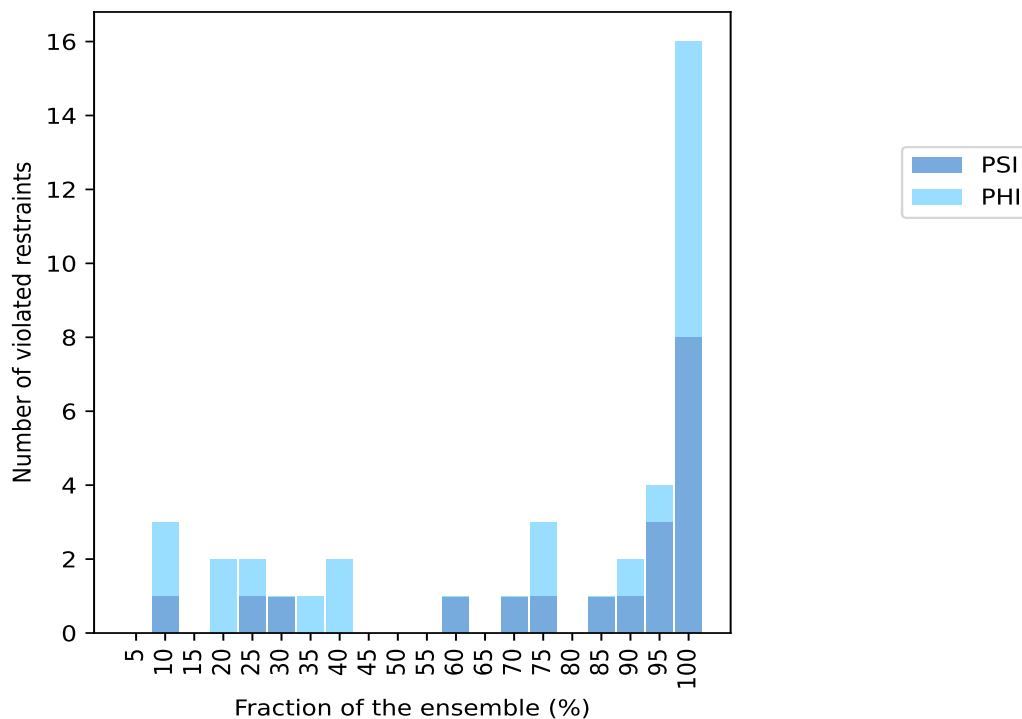
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Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count ¹	%
1	0	1	12	60.0
0	0	0	13	65.0
1	0	1	14	70.0
1	2	3	15	75.0
0	0	0	16	80.0
1	0	1	17	85.0
1	1	2	18	90.0
3	1	4	19	95.0
8	8	16	20	100.0

¹ Number of models with violations

10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble [i](#)

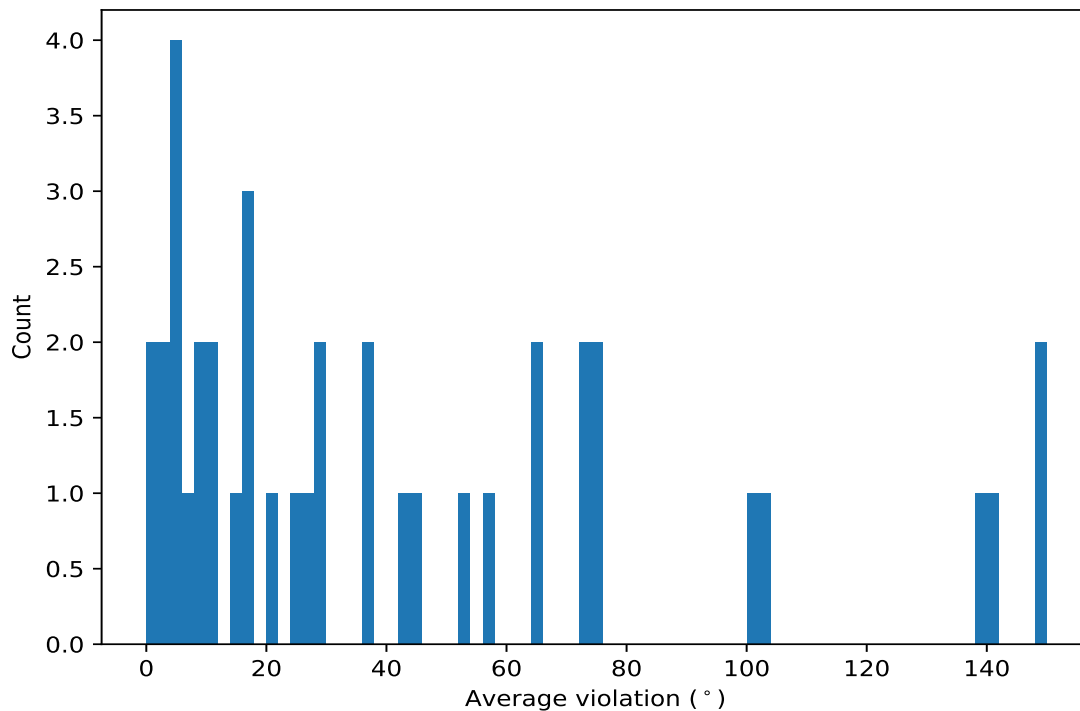


10.4 Most violated dihedral-angle restraints in the ensemble [i](#)

10.4.1 Histogram : Distribution of mean dihedral-angle 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



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
(1,16)	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1:B:69:SER:N	20	149.52	4.03	150.05
(1,15)	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1:A:69:SER:N	20	149.43	4.08	148.9
(1,3)	1:A:64:ALA:N	1:A:64:ALA:CA	1:A:64:ALA:C	1:A:65:LEU:N	20	140.43	5.71	141.55
(1,4)	1:B:64:ALA:N	1:B:64:ALA:CA	1:B:64:ALA:C	1:B:65:LEU:N	20	139.51	4.25	138.85
(1,5)	1:A:65:LEU:C	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	20	102.72	5.5	102.5
(1,6)	1:B:65:LEU:C	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	20	101.82	4.86	102.25
(1,14)	1:B:67:LYS:C	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	20	74.16	8.58	76.05
(1,13)	1:A:67:LYS:C	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	20	72.95	9.57	74.5
(1,8)	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1:B:67:LYS:N	20	72.23	6.53	73.6
(1,7)	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1:A:67:LYS:N	20	65.97	11.39	66.45
(1,38)	1:B:73:SER:C	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	20	44.67	16.5	45.8
(1,37)	1:A:73:SER:C	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	20	43.72	14.67	47.35
(1,109)	1:A:94:ALA:C	1:A:95:GLN:N	1:A:95:GLN:CA	1:A:95:GLN:C	20	37.13	24.0	27.35
(1,11)	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	1:A:68:ASP:N	20	17.49	5.84	17.25
(1,12)	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	1:B:68:ASP:N	20	16.95	6.98	17.1
(1,17)	1:A:68:ASP:C	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	20	8.17	3.56	8.7
(1,39)	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	1:A:75:LEU:N	19	56.56	18.63	49.7
(1,36)	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	1:B:74:LYS:N	19	29.69	8.46	30.4
(1,35)	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	1:A:74:LYS:N	19	28.34	10.93	28.3
(1,110)	1:B:94:ALA:C	1:B:95:GLN:N	1:B:95:GLN:CA	1:B:95:GLN:C	19	27.83	20.67	26.8

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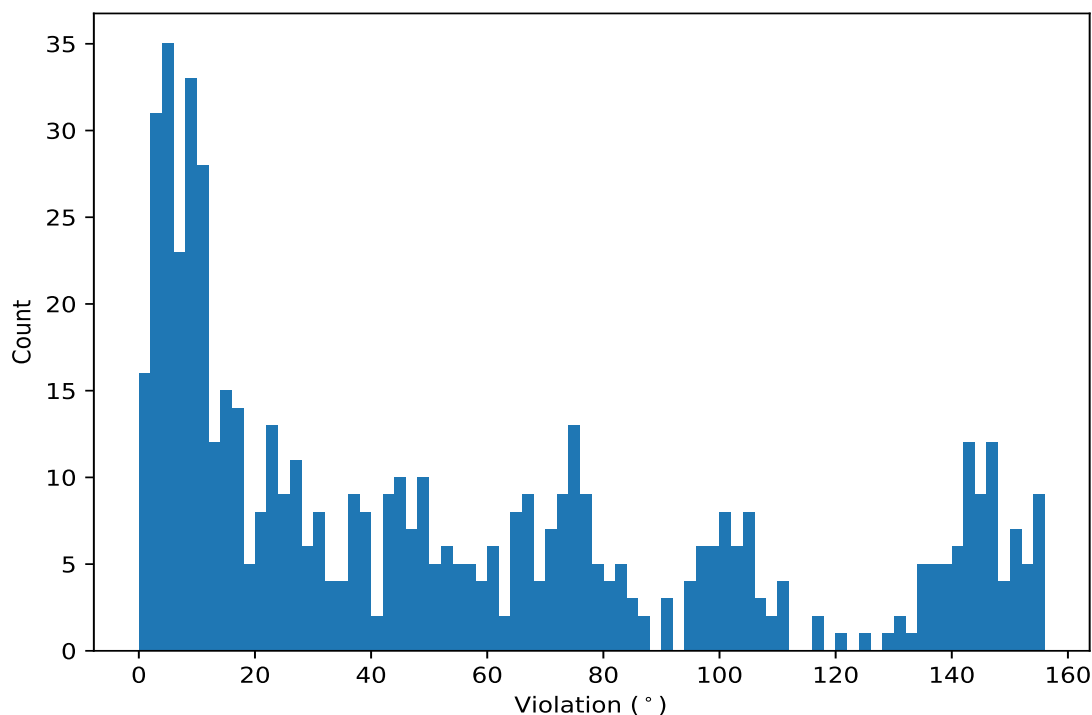
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,40)	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	1:B:75:LEU:N	18	64.72	30.62	54.4
(1,18)	1:B:68:ASP:C	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	18	10.36	2.29	11.3
(1,107)	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	1:A:95:GLN:N	17	16.75	15.79	8.9
(1,33)	1:A:72:HIS:C	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	15	24.45	37.93	10.8
(1,108)	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	1:B:95:GLN:N	15	21.43	15.41	15.1
(1,34)	1:B:72:HIS:C	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	15	15.83	31.18	8.0
(1,20)	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	1:B:70:SER:N	14	5.52	2.72	5.1
(1,19)	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	1:A:70:SER:N	12	5.79	2.21	5.1
(1,106)	1:B:93:ARG:C	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	8	9.02	3.51	8.7
(1,26)	1:B:70:SER:C	1:B:71:ARG:N	1:B:71:ARG:CA	1:B:71:ARG:C	8	5.57	4.35	3.75
(1,25)	1:A:70:SER:C	1:A:71:ARG:N	1:A:71:ARG:CA	1:A:71:ARG:C	7	4.63	2.48	4.6
(1,31)	1:A:72:HIS:N	1:A:72:HIS:CA	1:A:72:HIS:C	1:A:73:SER:N	6	53.2	64.34	15.55
(1,30)	1:B:71:ARG:C	1:B:72:HIS:N	1:B:72:HIS:CA	1:B:72:HIS:C	5	6.3	1.83	6.1
(1,91)	1:A:87:HIS:N	1:A:87:HIS:CA	1:A:87:HIS:C	1:A:88:LEU:N	5	1.56	0.46	1.4
(1,91)	1:A:87:HIS:N	1:A:87:HIS:CA	1:A:87:HIS:C	1:A:88:LEU:N	5	1.56	0.46	1.4
(1,105)	1:A:93:ARG:C	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	4	37.1	42.19	16.15
(1,29)	1:A:71:ARG:C	1:A:72:HIS:N	1:A:72:HIS:CA	1:A:72:HIS:C	4	10.48	2.2	11.5
(1,32)	1:B:72:HIS:N	1:B:72:HIS:CA	1:B:72:HIS:C	1:B:73:SER:N	2	75.25	71.05	75.25
(1,9)	1:A:66:LYS:C	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	2	2.9	0.1	2.9
(1,10)	1:B:66:LYS:C	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	2	2.4	0.6	2.4

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 (°)
(1,16)	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1:B:69:SER:N	3	155.8
(1,15)	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1:A:69:SER:N	7	155.4
(1,31)	1:A:72:HIS:N	1:A:72:HIS:CA	1:A:72:HIS:C	1:A:73:SER:N	17	155.1
(1,16)	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1:B:69:SER:N	2	155.0
(1,16)	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1:B:69:SER:N	9	155.0
(1,15)	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1:A:69:SER:N	14	155.0
(1,15)	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1:A:69:SER:N	4	154.6
(1,15)	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1:A:69:SER:N	10	154.5
(1,16)	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1:B:69:SER:N	16	154.1
(1,15)	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1:A:69:SER:N	6	153.6
(1,15)	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1:A:69:SER:N	5	153.1
(1,15)	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1:A:69:SER:N	15	152.6
(1,16)	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1:B:69:SER:N	10	152.5
(1,16)	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1:B:69:SER:N	5	152.0
(1,16)	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1:B:69:SER:N	4	151.8
(1,15)	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1:A:69:SER:N	19	151.8
(1,16)	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1:B:69:SER:N	11	151.5
(1,16)	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1:B:69:SER:N	8	150.8
(1,15)	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1:A:69:SER:N	20	150.8
(1,16)	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1:B:69:SER:N	17	150.5
(1,15)	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1:A:69:SER:N	8	150.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,16)	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1:B:69:SER:N	12	149.6
(1,16)	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1:B:69:SER:N	7	148.5
(1,16)	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1:B:69:SER:N	18	148.5
(1,16)	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1:B:69:SER:N	13	148.4
(1,3)	1:A:64:ALA:N	1:A:64:ALA:CA	1:A:64:ALA:C	1:A:65:LEU:N	13	147.7
(1,3)	1:A:64:ALA:N	1:A:64:ALA:CA	1:A:64:ALA:C	1:A:65:LEU:N	3	147.5
(1,4)	1:B:64:ALA:N	1:B:64:ALA:CA	1:B:64:ALA:C	1:B:65:LEU:N	19	147.4
(1,16)	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1:B:69:SER:N	6	147.3
(1,15)	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1:A:69:SER:N	17	147.3
(1,15)	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1:A:69:SER:N	13	147.1
(1,3)	1:A:64:ALA:N	1:A:64:ALA:CA	1:A:64:ALA:C	1:A:65:LEU:N	5	147.0
(1,15)	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1:A:69:SER:N	12	146.9
(1,15)	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1:A:69:SER:N	1	146.8
(1,32)	1:B:72:HIS:N	1:B:72:HIS:CA	1:B:72:HIS:C	1:B:73:SER:N	2	146.3
(1,3)	1:A:64:ALA:N	1:A:64:ALA:CA	1:A:64:ALA:C	1:A:65:LEU:N	2	146.2
(1,16)	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1:B:69:SER:N	15	146.1
(1,15)	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1:A:69:SER:N	11	145.9
(1,15)	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1:A:69:SER:N	2	145.8
(1,15)	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1:A:69:SER:N	18	145.7
(1,3)	1:A:64:ALA:N	1:A:64:ALA:CA	1:A:64:ALA:C	1:A:65:LEU:N	18	145.5
(1,15)	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1:A:69:SER:N	16	144.8
(1,4)	1:B:64:ALA:N	1:B:64:ALA:CA	1:B:64:ALA:C	1:B:65:LEU:N	15	144.6
(1,4)	1:B:64:ALA:N	1:B:64:ALA:CA	1:B:64:ALA:C	1:B:65:LEU:N	16	144.5
(1,15)	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1:A:69:SER:N	3	144.2
(1,16)	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1:B:69:SER:N	1	144.0
(1,3)	1:A:64:ALA:N	1:A:64:ALA:CA	1:A:64:ALA:C	1:A:65:LEU:N	19	143.8
(1,16)	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1:B:69:SER:N	20	143.8
(1,4)	1:B:64:ALA:N	1:B:64:ALA:CA	1:B:64:ALA:C	1:B:65:LEU:N	2	143.7
(1,3)	1:A:64:ALA:N	1:A:64:ALA:CA	1:A:64:ALA:C	1:A:65:LEU:N	8	143.6
(1,4)	1:B:64:ALA:N	1:B:64:ALA:CA	1:B:64:ALA:C	1:B:65:LEU:N	10	143.4
(1,3)	1:A:64:ALA:N	1:A:64:ALA:CA	1:A:64:ALA:C	1:A:65:LEU:N	11	142.9
(1,4)	1:B:64:ALA:N	1:B:64:ALA:CA	1:B:64:ALA:C	1:B:65:LEU:N	8	142.8
(1,16)	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1:B:69:SER:N	14	142.8
(1,4)	1:B:64:ALA:N	1:B:64:ALA:CA	1:B:64:ALA:C	1:B:65:LEU:N	4	142.5
(1,16)	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1:B:69:SER:N	19	142.5
(1,3)	1:A:64:ALA:N	1:A:64:ALA:CA	1:A:64:ALA:C	1:A:65:LEU:N	1	142.2
(1,15)	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1:A:69:SER:N	9	142.2
(1,3)	1:A:64:ALA:N	1:A:64:ALA:CA	1:A:64:ALA:C	1:A:65:LEU:N	10	141.6
(1,3)	1:A:64:ALA:N	1:A:64:ALA:CA	1:A:64:ALA:C	1:A:65:LEU:N	12	141.5
(1,3)	1:A:64:ALA:N	1:A:64:ALA:CA	1:A:64:ALA:C	1:A:65:LEU:N	17	140.7
(1,4)	1:B:64:ALA:N	1:B:64:ALA:CA	1:B:64:ALA:C	1:B:65:LEU:N	18	140.5
(1,3)	1:A:64:ALA:N	1:A:64:ALA:CA	1:A:64:ALA:C	1:A:65:LEU:N	16	140.4
(1,4)	1:B:64:ALA:N	1:B:64:ALA:CA	1:B:64:ALA:C	1:B:65:LEU:N	7	140.2
(1,4)	1:B:64:ALA:N	1:B:64:ALA:CA	1:B:64:ALA:C	1:B:65:LEU:N	12	139.3
(1,4)	1:B:64:ALA:N	1:B:64:ALA:CA	1:B:64:ALA:C	1:B:65:LEU:N	6	138.4
(1,4)	1:B:64:ALA:N	1:B:64:ALA:CA	1:B:64:ALA:C	1:B:65:LEU:N	1	138.2
(1,4)	1:B:64:ALA:N	1:B:64:ALA:CA	1:B:64:ALA:C	1:B:65:LEU:N	17	138.2
(1,4)	1:B:64:ALA:N	1:B:64:ALA:CA	1:B:64:ALA:C	1:B:65:LEU:N	20	138.0
(1,3)	1:A:64:ALA:N	1:A:64:ALA:CA	1:A:64:ALA:C	1:A:65:LEU:N	7	137.9
(1,4)	1:B:64:ALA:N	1:B:64:ALA:CA	1:B:64:ALA:C	1:B:65:LEU:N	5	137.8
(1,3)	1:A:64:ALA:N	1:A:64:ALA:CA	1:A:64:ALA:C	1:A:65:LEU:N	14	137.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,4)	1:B:64:ALA:N	1:B:64:ALA:CA	1:B:64:ALA:C	1:B:65:LEU:N	14	136.8
(1,3)	1:A:64:ALA:N	1:A:64:ALA:CA	1:A:64:ALA:C	1:A:65:LEU:N	15	136.2
(1,4)	1:B:64:ALA:N	1:B:64:ALA:CA	1:B:64:ALA:C	1:B:65:LEU:N	3	135.6
(1,4)	1:B:64:ALA:N	1:B:64:ALA:CA	1:B:64:ALA:C	1:B:65:LEU:N	11	135.6
(1,3)	1:A:64:ALA:N	1:A:64:ALA:CA	1:A:64:ALA:C	1:A:65:LEU:N	20	135.4
(1,4)	1:B:64:ALA:N	1:B:64:ALA:CA	1:B:64:ALA:C	1:B:65:LEU:N	9	134.0
(1,3)	1:A:64:ALA:N	1:A:64:ALA:CA	1:A:64:ALA:C	1:A:65:LEU:N	9	134.0
(1,3)	1:A:64:ALA:N	1:A:64:ALA:CA	1:A:64:ALA:C	1:A:65:LEU:N	6	132.2
(1,34)	1:B:72:HIS:C	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	2	131.9
(1,31)	1:A:72:HIS:N	1:A:72:HIS:CA	1:A:72:HIS:C	1:A:73:SER:N	8	130.2
(1,4)	1:B:64:ALA:N	1:B:64:ALA:CA	1:B:64:ALA:C	1:B:65:LEU:N	13	128.7
(1,3)	1:A:64:ALA:N	1:A:64:ALA:CA	1:A:64:ALA:C	1:A:65:LEU:N	4	124.7
(1,33)	1:A:72:HIS:C	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	8	121.8
(1,33)	1:A:72:HIS:C	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	17	117.9
(1,5)	1:A:65:LEU:C	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	9	116.3
(1,6)	1:B:65:LEU:C	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	9	111.0
(1,6)	1:B:65:LEU:C	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	11	110.9
(1,5)	1:A:65:LEU:C	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1	110.2
(1,40)	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	1:B:75:LEU:N	15	110.2
(1,105)	1:A:93:ARG:C	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	9	109.3
(1,6)	1:B:65:LEU:C	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	13	108.1
(1,5)	1:A:65:LEU:C	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	4	107.4
(1,5)	1:A:65:LEU:C	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	16	106.1
(1,5)	1:A:65:LEU:C	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	19	106.1
(1,5)	1:A:65:LEU:C	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	20	105.9
(1,5)	1:A:65:LEU:C	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	14	105.6
(1,6)	1:B:65:LEU:C	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	3	105.1
(1,6)	1:B:65:LEU:C	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	4	105.1
(1,6)	1:B:65:LEU:C	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	6	104.9
(1,6)	1:B:65:LEU:C	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	10	104.9
(1,5)	1:A:65:LEU:C	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	3	104.6
(1,6)	1:B:65:LEU:C	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	18	104.4
(1,5)	1:A:65:LEU:C	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	5	103.3
(1,6)	1:B:65:LEU:C	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1	103.2
(1,5)	1:A:65:LEU:C	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	7	103.0
(1,6)	1:B:65:LEU:C	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	8	102.8
(1,40)	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	1:B:75:LEU:N	5	102.3
(1,5)	1:A:65:LEU:C	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	11	102.0
(1,5)	1:A:65:LEU:C	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	13	101.9
(1,5)	1:A:65:LEU:C	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	18	101.9
(1,6)	1:B:65:LEU:C	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	7	101.7
(1,5)	1:A:65:LEU:C	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	10	101.3
(1,39)	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	1:A:75:LEU:N	1	100.5
(1,6)	1:B:65:LEU:C	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	16	100.4
(1,5)	1:A:65:LEU:C	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	15	100.3
(1,40)	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	1:B:75:LEU:N	8	100.1
(1,39)	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	1:A:75:LEU:N	20	99.5
(1,5)	1:A:65:LEU:C	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	8	99.3
(1,40)	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	1:B:75:LEU:N	6	99.3
(1,40)	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	1:B:75:LEU:N	20	98.9
(1,6)	1:B:65:LEU:C	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	12	98.8

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Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,5)	1:A:65:LEU:C	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	17	98.2
(1,40)	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	1:B:75:LEU:N	17	97.5
(1,6)	1:B:65:LEU:C	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	17	97.1
(1,6)	1:B:65:LEU:C	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	14	97.0
(1,6)	1:B:65:LEU:C	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	2	96.7
(1,6)	1:B:65:LEU:C	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	15	96.7
(1,6)	1:B:65:LEU:C	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	19	96.7
(1,6)	1:B:65:LEU:C	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	20	95.6
(1,6)	1:B:65:LEU:C	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	5	95.3
(1,5)	1:A:65:LEU:C	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	12	95.1
(1,5)	1:A:65:LEU:C	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	2	94.8
(1,40)	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	1:B:75:LEU:N	3	91.7
(1,13)	1:A:67:LYS:C	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	3	91.3
(1,5)	1:A:65:LEU:C	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	6	91.1
(1,109)	1:A:94:ALA:C	1:A:95:GLN:N	1:A:95:GLN:CA	1:A:95:GLN:C	9	87.6
(1,14)	1:B:67:LYS:C	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	6	86.0
(1,14)	1:B:67:LYS:C	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	15	85.5
(1,39)	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	1:A:75:LEU:N	16	84.6
(1,13)	1:A:67:LYS:C	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	8	84.4
(1,7)	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1:A:67:LYS:N	9	83.2
(1,14)	1:B:67:LYS:C	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	14	83.1
(1,14)	1:B:67:LYS:C	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	8	82.9
(1,14)	1:B:67:LYS:C	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	11	82.0
(1,13)	1:A:67:LYS:C	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	14	82.0
(1,13)	1:A:67:LYS:C	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	16	81.8
(1,7)	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1:A:67:LYS:N	3	81.4
(1,13)	1:A:67:LYS:C	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	18	80.3
(1,14)	1:B:67:LYS:C	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	20	80.2
(1,13)	1:A:67:LYS:C	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	2	79.2
(1,7)	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1:A:67:LYS:N	12	79.0
(1,8)	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1:B:67:LYS:N	18	78.8
(1,14)	1:B:67:LYS:C	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	19	78.2
(1,13)	1:A:67:LYS:C	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	20	78.1
(1,14)	1:B:67:LYS:C	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	4	77.7
(1,14)	1:B:67:LYS:C	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	3	77.6
(1,8)	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1:B:67:LYS:N	14	77.3
(1,8)	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1:B:67:LYS:N	9	77.2
(1,7)	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1:A:67:LYS:N	20	77.0
(1,8)	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1:B:67:LYS:N	7	76.9
(1,8)	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1:B:67:LYS:N	5	76.5
(1,14)	1:B:67:LYS:C	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	18	76.5
(1,13)	1:A:67:LYS:C	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	9	76.3
(1,8)	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1:B:67:LYS:N	15	75.9
(1,14)	1:B:67:LYS:C	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	10	75.6
(1,8)	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1:B:67:LYS:N	2	75.5
(1,7)	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1:A:67:LYS:N	2	75.4
(1,8)	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1:B:67:LYS:N	16	75.0
(1,8)	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1:B:67:LYS:N	19	74.9
(1,14)	1:B:67:LYS:C	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	5	74.9
(1,13)	1:A:67:LYS:C	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	7	74.9
(1,7)	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1:A:67:LYS:N	11	74.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,13)	1:A:67:LYS:C	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	11	74.5
(1,13)	1:A:67:LYS:C	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	19	74.5
(1,109)	1:A:94:ALA:C	1:A:95:GLN:N	1:A:95:GLN:CA	1:A:95:GLN:C	1	74.4
(1,14)	1:B:67:LYS:C	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	16	74.2
(1,8)	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1:B:67:LYS:N	10	73.6
(1,8)	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1:B:67:LYS:N	11	73.6
(1,7)	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1:A:67:LYS:N	13	73.4
(1,8)	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1:B:67:LYS:N	3	73.3
(1,8)	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1:B:67:LYS:N	12	73.3
(1,8)	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1:B:67:LYS:N	20	72.9
(1,7)	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1:A:67:LYS:N	17	72.7
(1,13)	1:A:67:LYS:C	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	6	72.7
(1,14)	1:B:67:LYS:C	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	1	72.5
(1,38)	1:B:73:SER:C	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	17	71.9
(1,7)	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1:A:67:LYS:N	16	71.7
(1,13)	1:A:67:LYS:C	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	1	71.6
(1,37)	1:A:73:SER:C	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	10	71.1
(1,13)	1:A:67:LYS:C	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	4	71.0
(1,8)	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1:B:67:LYS:N	4	70.6
(1,13)	1:A:67:LYS:C	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	15	70.4
(1,39)	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	1:A:75:LEU:N	10	69.8
(1,8)	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1:B:67:LYS:N	6	69.7
(1,8)	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1:B:67:LYS:N	13	69.6
(1,14)	1:B:67:LYS:C	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	7	69.3
(1,38)	1:B:73:SER:C	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	3	67.4
(1,109)	1:A:94:ALA:C	1:A:95:GLN:N	1:A:95:GLN:CA	1:A:95:GLN:C	7	67.3
(1,110)	1:B:94:ALA:C	1:B:95:GLN:N	1:B:95:GLN:CA	1:B:95:GLN:C	2	67.1
(1,7)	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1:A:67:LYS:N	5	66.5
(1,7)	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1:A:67:LYS:N	6	66.4
(1,110)	1:B:94:ALA:C	1:B:95:GLN:N	1:B:95:GLN:CA	1:B:95:GLN:C	10	66.2
(1,109)	1:A:94:ALA:C	1:A:95:GLN:N	1:A:95:GLN:CA	1:A:95:GLN:C	16	66.2
(1,8)	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1:B:67:LYS:N	8	66.0
(1,7)	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1:A:67:LYS:N	8	66.0
(1,8)	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1:B:67:LYS:N	1	65.7
(1,13)	1:A:67:LYS:C	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	5	65.1
(1,14)	1:B:67:LYS:C	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	12	64.9
(1,14)	1:B:67:LYS:C	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	17	64.9
(1,39)	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	1:A:75:LEU:N	8	64.5
(1,13)	1:A:67:LYS:C	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	12	64.5
(1,109)	1:A:94:ALA:C	1:A:95:GLN:N	1:A:95:GLN:CA	1:A:95:GLN:C	5	64.3
(1,7)	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1:A:67:LYS:N	14	64.1
(1,7)	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1:A:67:LYS:N	19	62.8
(1,40)	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	1:B:75:LEU:N	12	62.7
(1,109)	1:A:94:ALA:C	1:A:95:GLN:N	1:A:95:GLN:CA	1:A:95:GLN:C	17	61.3
(1,39)	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	1:A:75:LEU:N	14	61.1
(1,38)	1:B:73:SER:C	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	15	60.8
(1,14)	1:B:67:LYS:C	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	13	60.7
(1,14)	1:B:67:LYS:C	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	9	60.6
(1,37)	1:A:73:SER:C	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	1	60.1
(1,38)	1:B:73:SER:C	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	6	59.8
(1,37)	1:A:73:SER:C	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	7	59.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,38)	1:B:73:SER:C	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	20	59.2
(1,38)	1:B:73:SER:C	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	8	58.4
(1,110)	1:B:94:ALA:C	1:B:95:GLN:N	1:B:95:GLN:CA	1:B:95:GLN:C	20	57.6
(1,13)	1:A:67:LYS:C	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	13	56.6
(1,7)	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1:A:67:LYS:N	1	56.4
(1,38)	1:B:73:SER:C	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	1	56.4
(1,38)	1:B:73:SER:C	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	5	56.0
(1,40)	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	1:B:75:LEU:N	1	55.8
(1,14)	1:B:67:LYS:C	1:B:68:ASP:N	1:B:68:ASP:CA	1:B:68:ASP:C	2	55.8
(1,13)	1:A:67:LYS:C	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	17	55.4
(1,7)	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1:A:67:LYS:N	10	54.5
(1,13)	1:A:67:LYS:C	1:A:68:ASP:N	1:A:68:ASP:CA	1:A:68:ASP:C	10	54.4
(1,40)	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	1:B:75:LEU:N	7	53.0
(1,108)	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	1:B:95:GLN:N	1	53.0
(1,37)	1:A:73:SER:C	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	6	52.9
(1,7)	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1:A:67:LYS:N	15	52.8
(1,39)	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	1:A:75:LEU:N	3	52.6
(1,37)	1:A:73:SER:C	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	15	52.2
(1,38)	1:B:73:SER:C	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	12	51.2
(1,110)	1:B:94:ALA:C	1:B:95:GLN:N	1:B:95:GLN:CA	1:B:95:GLN:C	18	50.9
(1,40)	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	1:B:75:LEU:N	11	50.7
(1,39)	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	1:A:75:LEU:N	5	50.4
(1,39)	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	1:A:75:LEU:N	6	50.4
(1,39)	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	1:A:75:LEU:N	18	49.7
(1,40)	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	1:B:75:LEU:N	10	49.6
(1,37)	1:A:73:SER:C	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	20	49.6
(1,37)	1:A:73:SER:C	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	12	49.3
(1,7)	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1:A:67:LYS:N	7	49.1
(1,37)	1:A:73:SER:C	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	3	48.9
(1,37)	1:A:73:SER:C	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	17	48.5
(1,107)	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	1:A:95:GLN:N	19	48.3
(1,8)	1:B:66:LYS:N	1:B:66:LYS:CA	1:B:66:LYS:C	1:B:67:LYS:N	17	48.2
(1,37)	1:A:73:SER:C	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	5	48.2
(1,40)	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	1:B:75:LEU:N	14	47.4
(1,39)	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	1:A:75:LEU:N	15	47.3
(1,39)	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	1:A:75:LEU:N	17	47.2
(1,38)	1:B:73:SER:C	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	16	46.8
(1,7)	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1:A:67:LYS:N	4	46.7
(1,37)	1:A:73:SER:C	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	18	46.5
(1,107)	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	1:A:95:GLN:N	12	46.4
(1,37)	1:A:73:SER:C	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	9	45.9
(1,7)	1:A:66:LYS:N	1:A:66:LYS:CA	1:A:66:LYS:C	1:A:67:LYS:N	18	45.8
(1,37)	1:A:73:SER:C	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	2	45.6
(1,39)	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	1:A:75:LEU:N	7	45.5
(1,39)	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	1:A:75:LEU:N	11	45.5
(1,35)	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	1:A:74:LYS:N	7	45.4
(1,39)	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	1:A:75:LEU:N	9	45.2
(1,107)	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	1:A:95:GLN:N	9	45.1
(1,38)	1:B:73:SER:C	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	10	44.8
(1,108)	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	1:B:95:GLN:N	13	44.0
(1,37)	1:A:73:SER:C	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	13	43.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,108)	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	1:B:95:GLN:N	15	43.9
(1,39)	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	1:A:75:LEU:N	13	43.7
(1,35)	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	1:A:74:LYS:N	3	43.4
(1,36)	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	1:B:74:LYS:N	17	42.9
(1,35)	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	1:A:74:LYS:N	12	42.3
(1,40)	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	1:B:75:LEU:N	16	42.2
(1,36)	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	1:B:74:LYS:N	15	42.2
(1,109)	1:A:94:ALA:C	1:A:95:GLN:N	1:A:95:GLN:CA	1:A:95:GLN:C	8	42.2
(1,35)	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	1:A:74:LYS:N	2	41.3
(1,110)	1:B:94:ALA:C	1:B:95:GLN:N	1:B:95:GLN:CA	1:B:95:GLN:C	8	40.6
(1,39)	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	1:A:75:LEU:N	12	39.9
(1,37)	1:A:73:SER:C	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	16	39.8
(1,110)	1:B:94:ALA:C	1:B:95:GLN:N	1:B:95:GLN:CA	1:B:95:GLN:C	11	39.8
(1,109)	1:A:94:ALA:C	1:A:95:GLN:N	1:A:95:GLN:CA	1:A:95:GLN:C	2	39.4
(1,39)	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	1:A:75:LEU:N	4	39.2
(1,38)	1:B:73:SER:C	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	7	38.8
(1,109)	1:A:94:ALA:C	1:A:95:GLN:N	1:A:95:GLN:CA	1:A:95:GLN:C	3	38.6
(1,39)	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	1:A:75:LEU:N	2	38.0
(1,36)	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	1:B:74:LYS:N	5	37.8
(1,38)	1:B:73:SER:C	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	4	37.7
(1,35)	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	1:A:74:LYS:N	5	37.7
(1,40)	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	1:B:75:LEU:N	4	37.5
(1,36)	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	1:B:74:LYS:N	20	37.4
(1,38)	1:B:73:SER:C	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	14	37.3
(1,36)	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	1:B:74:LYS:N	1	36.8
(1,36)	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	1:B:74:LYS:N	9	36.2
(1,35)	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	1:A:74:LYS:N	6	36.2
(1,40)	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	1:B:75:LEU:N	9	35.3
(1,36)	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	1:B:74:LYS:N	10	35.0
(1,37)	1:A:73:SER:C	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	11	34.6
(1,107)	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	1:A:95:GLN:N	20	34.1
(1,36)	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	1:B:74:LYS:N	8	33.6
(1,38)	1:B:73:SER:C	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	11	32.5
(1,110)	1:B:94:ALA:C	1:B:95:GLN:N	1:B:95:GLN:CA	1:B:95:GLN:C	19	32.4
(1,108)	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	1:B:95:GLN:N	12	32.4
(1,37)	1:A:73:SER:C	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	4	31.5
(1,35)	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	1:A:74:LYS:N	13	31.4
(1,109)	1:A:94:ALA:C	1:A:95:GLN:N	1:A:95:GLN:CA	1:A:95:GLN:C	18	31.4
(1,38)	1:B:73:SER:C	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	9	31.2
(1,36)	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	1:B:74:LYS:N	16	31.1
(1,110)	1:B:94:ALA:C	1:B:95:GLN:N	1:B:95:GLN:CA	1:B:95:GLN:C	17	30.8
(1,110)	1:B:94:ALA:C	1:B:95:GLN:N	1:B:95:GLN:CA	1:B:95:GLN:C	6	30.7
(1,36)	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	1:B:74:LYS:N	12	30.4
(1,35)	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	1:A:74:LYS:N	15	29.5
(1,12)	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	1:B:68:ASP:N	9	28.8
(1,36)	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	1:B:74:LYS:N	13	28.6
(1,35)	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	1:A:74:LYS:N	10	28.6
(1,35)	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	1:A:74:LYS:N	17	28.3
(1,31)	1:A:72:HIS:N	1:A:72:HIS:CA	1:A:72:HIS:C	1:A:73:SER:N	6	28.2
(1,108)	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	1:B:95:GLN:N	7	27.9
(1,11)	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	1:A:68:ASP:N	14	27.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,36)	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	1:B:74:LYS:N	18	27.3
(1,38)	1:B:73:SER:C	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	19	27.0
(1,35)	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	1:A:74:LYS:N	9	26.8
(1,110)	1:B:94:ALA:C	1:B:95:GLN:N	1:B:95:GLN:CA	1:B:95:GLN:C	3	26.8
(1,110)	1:B:94:ALA:C	1:B:95:GLN:N	1:B:95:GLN:CA	1:B:95:GLN:C	5	26.3
(1,35)	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	1:A:74:LYS:N	16	26.1
(1,36)	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	1:B:74:LYS:N	19	26.0
(1,35)	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	1:A:74:LYS:N	4	26.0
(1,108)	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	1:B:95:GLN:N	9	26.0
(1,12)	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	1:B:68:ASP:N	20	25.7
(1,11)	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	1:A:68:ASP:N	12	25.3
(1,11)	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	1:A:68:ASP:N	17	25.1
(1,33)	1:A:72:HIS:C	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	6	24.9
(1,38)	1:B:73:SER:C	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	18	24.5
(1,36)	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	1:B:74:LYS:N	4	24.3
(1,38)	1:B:73:SER:C	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	13	24.2
(1,12)	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	1:B:68:ASP:N	13	24.2
(1,12)	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	1:B:68:ASP:N	4	24.0
(1,11)	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	1:A:68:ASP:N	16	23.9
(1,12)	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	1:B:68:ASP:N	2	23.8
(1,107)	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	1:A:95:GLN:N	2	23.6
(1,105)	1:A:93:ARG:C	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	13	23.6
(1,109)	1:A:94:ALA:C	1:A:95:GLN:N	1:A:95:GLN:CA	1:A:95:GLN:C	4	23.3
(1,109)	1:A:94:ALA:C	1:A:95:GLN:N	1:A:95:GLN:CA	1:A:95:GLN:C	20	23.3
(1,12)	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	1:B:68:ASP:N	6	23.1
(1,36)	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	1:B:74:LYS:N	7	22.9
(1,36)	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	1:B:74:LYS:N	11	22.6
(1,36)	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	1:B:74:LYS:N	14	22.5
(1,109)	1:A:94:ALA:C	1:A:95:GLN:N	1:A:95:GLN:CA	1:A:95:GLN:C	15	22.5
(1,35)	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	1:A:74:LYS:N	20	22.4
(1,11)	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	1:A:68:ASP:N	1	22.3
(1,11)	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	1:A:68:ASP:N	2	21.9
(1,37)	1:A:73:SER:C	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	14	21.8
(1,109)	1:A:94:ALA:C	1:A:95:GLN:N	1:A:95:GLN:CA	1:A:95:GLN:C	6	21.7
(1,108)	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	1:B:95:GLN:N	3	21.4
(1,35)	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	1:A:74:LYS:N	1	21.0
(1,40)	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	1:B:75:LEU:N	2	20.7
(1,12)	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	1:B:68:ASP:N	14	20.3
(1,109)	1:A:94:ALA:C	1:A:95:GLN:N	1:A:95:GLN:CA	1:A:95:GLN:C	10	20.2
(1,11)	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	1:A:68:ASP:N	4	19.9
(1,12)	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	1:B:68:ASP:N	1	18.7
(1,35)	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	1:A:74:LYS:N	11	18.4
(1,11)	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	1:A:68:ASP:N	7	18.4
(1,12)	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	1:B:68:ASP:N	7	18.0
(1,33)	1:A:72:HIS:C	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	20	17.8
(1,12)	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	1:B:68:ASP:N	19	17.7
(1,11)	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	1:A:68:ASP:N	13	17.5
(1,11)	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	1:A:68:ASP:N	19	17.4
(1,36)	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	1:B:74:LYS:N	3	17.1
(1,11)	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	1:A:68:ASP:N	5	17.1
(1,11)	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	1:A:68:ASP:N	18	16.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,33)	1:A:72:HIS:C	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	3	16.6
(1,12)	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	1:B:68:ASP:N	10	16.5
(1,35)	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	1:A:74:LYS:N	19	16.3
(1,35)	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	1:A:74:LYS:N	18	16.2
(1,11)	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	1:A:68:ASP:N	11	16.2
(1,109)	1:A:94:ALA:C	1:A:95:GLN:N	1:A:95:GLN:CA	1:A:95:GLN:C	12	16.1
(1,106)	1:B:93:ARG:C	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	9	16.1
(1,11)	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	1:A:68:ASP:N	9	15.9
(1,109)	1:A:94:ALA:C	1:A:95:GLN:N	1:A:95:GLN:CA	1:A:95:GLN:C	19	15.8
(1,12)	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	1:B:68:ASP:N	16	15.7
(1,12)	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	1:B:68:ASP:N	12	15.5
(1,37)	1:A:73:SER:C	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	8	15.4
(1,12)	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	1:B:68:ASP:N	3	15.4
(1,11)	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	1:A:68:ASP:N	8	15.3
(1,11)	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	1:A:68:ASP:N	15	15.1
(1,108)	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	1:B:95:GLN:N	4	15.1
(1,108)	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	1:B:95:GLN:N	2	14.8
(1,12)	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	1:B:68:ASP:N	11	14.7
(1,26)	1:B:70:SER:C	1:B:71:ARG:N	1:B:71:ARG:CA	1:B:71:ARG:C	16	14.6
(1,12)	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	1:B:68:ASP:N	8	14.6
(1,107)	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	1:A:95:GLN:N	8	14.5
(1,109)	1:A:94:ALA:C	1:A:95:GLN:N	1:A:95:GLN:CA	1:A:95:GLN:C	14	14.1
(1,18)	1:B:68:ASP:C	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	4	12.9
(1,17)	1:A:68:ASP:C	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	7	12.7
(1,106)	1:B:93:ARG:C	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	4	12.6
(1,18)	1:B:68:ASP:C	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	17	12.5
(1,18)	1:B:68:ASP:C	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	5	12.4
(1,34)	1:B:72:HIS:C	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	11	12.3
(1,33)	1:A:72:HIS:C	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	15	12.2
(1,29)	1:A:71:ARG:C	1:A:72:HIS:N	1:A:72:HIS:CA	1:A:72:HIS:C	8	12.2
(1,18)	1:B:68:ASP:C	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	12	12.2
(1,34)	1:B:72:HIS:C	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	12	12.1
(1,17)	1:A:68:ASP:C	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	8	12.0
(1,17)	1:A:68:ASP:C	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	11	12.0
(1,18)	1:B:68:ASP:C	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	13	11.9
(1,18)	1:B:68:ASP:C	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	7	11.8
(1,34)	1:B:72:HIS:C	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	9	11.7
(1,18)	1:B:68:ASP:C	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	2	11.7
(1,17)	1:A:68:ASP:C	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	4	11.7
(1,17)	1:A:68:ASP:C	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	13	11.7
(1,17)	1:A:68:ASP:C	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	15	11.7
(1,29)	1:A:71:ARG:C	1:A:72:HIS:N	1:A:72:HIS:CA	1:A:72:HIS:C	18	11.6
(1,18)	1:B:68:ASP:C	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	8	11.6
(1,17)	1:A:68:ASP:C	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	1	11.6
(1,18)	1:B:68:ASP:C	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	9	11.5
(1,29)	1:A:71:ARG:C	1:A:72:HIS:N	1:A:72:HIS:CA	1:A:72:HIS:C	20	11.4
(1,33)	1:A:72:HIS:C	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	5	11.3
(1,11)	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	1:A:68:ASP:N	6	11.2
(1,18)	1:B:68:ASP:C	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	6	11.1
(1,17)	1:A:68:ASP:C	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	3	11.1
(1,33)	1:A:72:HIS:C	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	7	10.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,108)	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	1:B:95:GLN:N	19	10.8
(1,18)	1:B:68:ASP:C	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	18	10.7
(1,11)	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	1:A:68:ASP:N	20	10.7
(1,34)	1:B:72:HIS:C	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	17	10.6
(1,107)	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	1:A:95:GLN:N	13	10.5
(1,33)	1:A:72:HIS:C	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	14	10.4
(1,18)	1:B:68:ASP:C	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	1	10.4
(1,18)	1:B:68:ASP:C	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	20	10.2
(1,40)	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	1:B:75:LEU:N	18	10.1
(1,108)	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	1:B:95:GLN:N	17	10.1
(1,107)	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	1:A:95:GLN:N	18	10.1
(1,108)	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	1:B:95:GLN:N	11	9.8
(1,34)	1:B:72:HIS:C	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	8	9.7
(1,26)	1:B:70:SER:C	1:B:71:ARG:N	1:B:71:ARG:CA	1:B:71:ARG:C	15	9.7
(1,110)	1:B:94:ALA:C	1:B:95:GLN:N	1:B:95:GLN:CA	1:B:95:GLN:C	16	9.6
(1,36)	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	1:B:74:LYS:N	6	9.5
(1,25)	1:A:70:SER:C	1:A:71:ARG:N	1:A:71:ARG:CA	1:A:71:ARG:C	17	9.4
(1,18)	1:B:68:ASP:C	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	14	9.2
(1,37)	1:A:73:SER:C	1:A:74:LYS:N	1:A:74:LYS:CA	1:A:74:LYS:C	19	9.1
(1,17)	1:A:68:ASP:C	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	9	9.1
(1,106)	1:B:93:ARG:C	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	12	9.1
(1,30)	1:B:71:ARG:C	1:B:72:HIS:N	1:B:72:HIS:CA	1:B:72:HIS:C	8	9.0
(1,34)	1:B:72:HIS:C	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	18	8.9
(1,19)	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	1:A:70:SER:N	1	8.9
(1,107)	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	1:A:95:GLN:N	11	8.9
(1,20)	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	1:B:70:SER:N	17	8.8
(1,19)	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	1:A:70:SER:N	9	8.8
(1,17)	1:A:68:ASP:C	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	12	8.8
(1,106)	1:B:93:ARG:C	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	8	8.8
(1,20)	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	1:B:70:SER:N	7	8.7
(1,110)	1:B:94:ALA:C	1:B:95:GLN:N	1:B:95:GLN:CA	1:B:95:GLN:C	4	8.7
(1,105)	1:A:93:ARG:C	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	2	8.7
(1,20)	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	1:B:70:SER:N	12	8.6
(1,17)	1:A:68:ASP:C	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	19	8.6
(1,110)	1:B:94:ALA:C	1:B:95:GLN:N	1:B:95:GLN:CA	1:B:95:GLN:C	7	8.6
(1,107)	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	1:A:95:GLN:N	16	8.6
(1,106)	1:B:93:ARG:C	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	15	8.6
(1,20)	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	1:B:70:SER:N	5	8.5
(1,19)	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	1:A:70:SER:N	17	8.5
(1,109)	1:A:94:ALA:C	1:A:95:GLN:N	1:A:95:GLN:CA	1:A:95:GLN:C	11	8.4
(1,18)	1:B:68:ASP:C	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	16	8.2
(1,20)	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	1:B:70:SER:N	4	8.1
(1,34)	1:B:72:HIS:C	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	15	8.0
(1,20)	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	1:B:70:SER:N	2	8.0
(1,110)	1:B:94:ALA:C	1:B:95:GLN:N	1:B:95:GLN:CA	1:B:95:GLN:C	15	7.9
(1,17)	1:A:68:ASP:C	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	20	7.8
(1,19)	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	1:A:70:SER:N	7	7.7
(1,12)	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	1:B:68:ASP:N	17	7.7
(1,30)	1:B:71:ARG:C	1:B:72:HIS:N	1:B:72:HIS:CA	1:B:72:HIS:C	11	7.6
(1,38)	1:B:73:SER:C	1:B:74:LYS:N	1:B:74:LYS:CA	1:B:74:LYS:C	2	7.5
(1,18)	1:B:68:ASP:C	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	15	7.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,107)	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	1:A:95:GLN:N	1	7.4
(1,26)	1:B:70:SER:C	1:B:71:ARG:N	1:B:71:ARG:CA	1:B:71:ARG:C	9	7.3
(1,17)	1:A:68:ASP:C	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	2	7.3
(1,11)	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	1:A:68:ASP:N	10	7.2
(1,19)	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	1:A:70:SER:N	4	7.1
(1,12)	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	1:B:68:ASP:N	18	7.0
(1,17)	1:A:68:ASP:C	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	18	6.9
(1,110)	1:B:94:ALA:C	1:B:95:GLN:N	1:B:95:GLN:CA	1:B:95:GLN:C	1	6.9
(1,105)	1:A:93:ARG:C	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	1	6.8
(1,29)	1:A:71:ARG:C	1:A:72:HIS:N	1:A:72:HIS:CA	1:A:72:HIS:C	14	6.7
(1,25)	1:A:70:SER:C	1:A:71:ARG:N	1:A:71:ARG:CA	1:A:71:ARG:C	2	6.6
(1,34)	1:B:72:HIS:C	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	14	6.5
(1,106)	1:B:93:ARG:C	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	1	6.4
(1,110)	1:B:94:ALA:C	1:B:95:GLN:N	1:B:95:GLN:CA	1:B:95:GLN:C	14	6.2
(1,30)	1:B:71:ARG:C	1:B:72:HIS:N	1:B:72:HIS:CA	1:B:72:HIS:C	14	6.1
(1,107)	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	1:A:95:GLN:N	3	6.1
(1,110)	1:B:94:ALA:C	1:B:95:GLN:N	1:B:95:GLN:CA	1:B:95:GLN:C	9	5.9
(1,106)	1:B:93:ARG:C	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	7	5.9
(1,33)	1:A:72:HIS:C	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	19	5.8
(1,19)	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	1:A:70:SER:N	14	5.8
(1,110)	1:B:94:ALA:C	1:B:95:GLN:N	1:B:95:GLN:CA	1:B:95:GLN:C	13	5.8
(1,18)	1:B:68:ASP:C	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	19	5.7
(1,107)	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	1:A:95:GLN:N	5	5.7
(1,20)	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	1:B:70:SER:N	6	5.6
(1,12)	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	1:B:68:ASP:N	5	5.6
(1,33)	1:A:72:HIS:C	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	13	5.3
(1,34)	1:B:72:HIS:C	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	3	5.2
(1,34)	1:B:72:HIS:C	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	13	5.1
(1,34)	1:B:72:HIS:C	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	20	5.1
(1,107)	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	1:A:95:GLN:N	4	5.1
(1,30)	1:B:71:ARG:C	1:B:72:HIS:N	1:B:72:HIS:CA	1:B:72:HIS:C	16	4.9
(1,18)	1:B:68:ASP:C	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	3	4.9
(1,11)	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	1:A:68:ASP:N	3	4.9
(1,108)	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	1:B:95:GLN:N	5	4.9
(1,17)	1:A:68:ASP:C	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	17	4.8
(1,107)	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	1:A:95:GLN:N	15	4.8
(1,25)	1:A:70:SER:C	1:A:71:ARG:N	1:A:71:ARG:CA	1:A:71:ARG:C	8	4.7
(1,106)	1:B:93:ARG:C	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	5	4.7
(1,25)	1:A:70:SER:C	1:A:71:ARG:N	1:A:71:ARG:CA	1:A:71:ARG:C	16	4.6
(1,20)	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	1:B:70:SER:N	16	4.6
(1,109)	1:A:94:ALA:C	1:A:95:GLN:N	1:A:95:GLN:CA	1:A:95:GLN:C	13	4.5
(1,19)	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	1:A:70:SER:N	15	4.4
(1,19)	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	1:A:70:SER:N	19	4.4
(1,33)	1:A:72:HIS:C	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	12	4.2
(1,32)	1:B:72:HIS:N	1:B:72:HIS:CA	1:B:72:HIS:C	1:B:73:SER:N	6	4.2
(1,17)	1:A:68:ASP:C	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	10	4.2
(1,108)	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	1:B:95:GLN:N	16	4.2
(1,107)	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	1:A:95:GLN:N	10	4.1
(1,26)	1:B:70:SER:C	1:B:71:ARG:N	1:B:71:ARG:CA	1:B:71:ARG:C	5	4.0
(1,19)	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	1:A:70:SER:N	11	4.0
(1,19)	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	1:A:70:SER:N	20	4.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,30)	1:B:71:ARG:C	1:B:72:HIS:N	1:B:72:HIS:CA	1:B:72:HIS:C	1	3.9
(1,20)	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	1:B:70:SER:N	14	3.9
(1,34)	1:B:72:HIS:C	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	5	3.8
(1,34)	1:B:72:HIS:C	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	10	3.7
(1,19)	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	1:A:70:SER:N	8	3.6
(1,26)	1:B:70:SER:C	1:B:71:ARG:N	1:B:71:ARG:CA	1:B:71:ARG:C	1	3.5
(1,17)	1:A:68:ASP:C	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	14	3.5
(1,20)	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	1:B:70:SER:N	9	3.2
(1,17)	1:A:68:ASP:C	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	5	3.2
(1,25)	1:A:70:SER:C	1:A:71:ARG:N	1:A:71:ARG:CA	1:A:71:ARG:C	14	3.1
(1,108)	1:B:94:ALA:N	1:B:94:ALA:CA	1:B:94:ALA:C	1:B:95:GLN:N	20	3.1
(1,9)	1:A:66:LYS:C	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	17	3.0
(1,33)	1:A:72:HIS:C	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	16	3.0
(1,20)	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	1:B:70:SER:N	3	3.0
(1,10)	1:B:66:LYS:C	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	13	3.0
(1,34)	1:B:72:HIS:C	1:B:73:SER:N	1:B:73:SER:CA	1:B:73:SER:C	4	2.9
(1,31)	1:A:72:HIS:N	1:A:72:HIS:CA	1:A:72:HIS:C	1:A:73:SER:N	1	2.9
(1,17)	1:A:68:ASP:C	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	6	2.9
(1,9)	1:A:66:LYS:C	1:A:67:LYS:N	1:A:67:LYS:CA	1:A:67:LYS:C	20	2.8
(1,33)	1:A:72:HIS:C	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	4	2.6
(1,26)	1:B:70:SER:C	1:B:71:ARG:N	1:B:71:ARG:CA	1:B:71:ARG:C	10	2.6
(1,20)	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	1:B:70:SER:N	1	2.6
(1,20)	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	1:B:70:SER:N	18	2.4
(1,25)	1:A:70:SER:C	1:A:71:ARG:N	1:A:71:ARG:CA	1:A:71:ARG:C	12	2.3
(1,19)	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	1:A:70:SER:N	6	2.3
(1,91)	1:A:87:HIS:N	1:A:87:HIS:CA	1:A:87:HIS:C	1:A:88:LEU:N	3	2.2
(1,91)	1:A:87:HIS:N	1:A:87:HIS:CA	1:A:87:HIS:C	1:A:88:LEU:N	3	2.2
(1,33)	1:A:72:HIS:C	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	9	2.2
(1,91)	1:A:87:HIS:N	1:A:87:HIS:CA	1:A:87:HIS:C	1:A:88:LEU:N	19	2.0
(1,91)	1:A:87:HIS:N	1:A:87:HIS:CA	1:A:87:HIS:C	1:A:88:LEU:N	19	2.0
(1,12)	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	1:B:68:ASP:N	15	2.0
(1,26)	1:B:70:SER:C	1:B:71:ARG:N	1:B:71:ARG:CA	1:B:71:ARG:C	20	1.8
(1,17)	1:A:68:ASP:C	1:A:69:SER:N	1:A:69:SER:CA	1:A:69:SER:C	16	1.8
(1,10)	1:B:66:LYS:C	1:B:67:LYS:N	1:B:67:LYS:CA	1:B:67:LYS:C	9	1.8
(1,25)	1:A:70:SER:C	1:A:71:ARG:N	1:A:71:ARG:CA	1:A:71:ARG:C	20	1.7
(1,31)	1:A:72:HIS:N	1:A:72:HIS:CA	1:A:72:HIS:C	1:A:73:SER:N	15	1.5
(1,91)	1:A:87:HIS:N	1:A:87:HIS:CA	1:A:87:HIS:C	1:A:88:LEU:N	14	1.4
(1,91)	1:A:87:HIS:N	1:A:87:HIS:CA	1:A:87:HIS:C	1:A:88:LEU:N	14	1.4
(1,107)	1:A:94:ALA:N	1:A:94:ALA:CA	1:A:94:ALA:C	1:A:95:GLN:N	7	1.4
(1,31)	1:A:72:HIS:N	1:A:72:HIS:CA	1:A:72:HIS:C	1:A:73:SER:N	20	1.3
(1,20)	1:B:69:SER:N	1:B:69:SER:CA	1:B:69:SER:C	1:B:70:SER:N	11	1.3
(1,35)	1:A:73:SER:N	1:A:73:SER:CA	1:A:73:SER:C	1:A:74:LYS:N	14	1.2
(1,91)	1:A:87:HIS:N	1:A:87:HIS:CA	1:A:87:HIS:C	1:A:88:LEU:N	9	1.1
(1,91)	1:A:87:HIS:N	1:A:87:HIS:CA	1:A:87:HIS:C	1:A:88:LEU:N	9	1.1
(1,91)	1:A:87:HIS:N	1:A:87:HIS:CA	1:A:87:HIS:C	1:A:88:LEU:N	12	1.1
(1,91)	1:A:87:HIS:N	1:A:87:HIS:CA	1:A:87:HIS:C	1:A:88:LEU:N	12	1.1
(1,26)	1:B:70:SER:C	1:B:71:ARG:N	1:B:71:ARG:CA	1:B:71:ARG:C	11	1.1