WORLDWIDE wwPDB PROTEIN DATA BANK

Full wwPDB NMR Structure Validation Report (i)

Jun 4, 2023 – 08:17 PM EDT

PDB ID	:	2LXC
BMRB ID	:	18671
Title	:	Solution structure of the complex between the Sgt2 homodimerization domain and the Get5 UBL domain
Authors	:	Chartron, J.W.; Vandervelde, D.G.; Clemons Jr., W.M.
Deposited on	:	2012-08-19

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

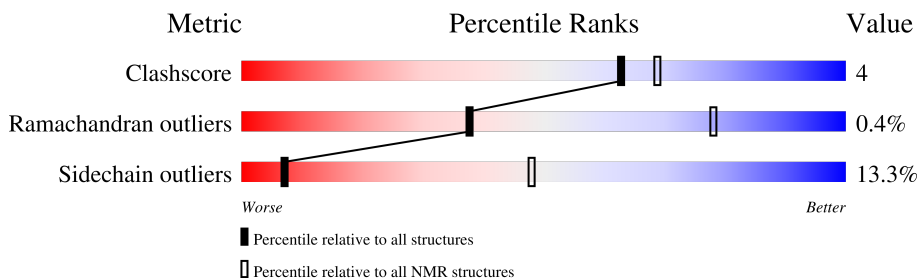|		
MolProbity	:	4.02b-467
Percentile statistics	:	20191225.v01 (using entries in the PDB archive December 25th 2019)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber (2001)
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 60%.

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	Percentile Ranks	Value
Clashscore		4
Ramachandran outliers		0.4%
Sidechain outliers		13.3%

Worse   *Better*

▮ Percentile relative to all structures

▯ Percentile relative to all NMR structures

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 <=5%

Mol	Chain	Length	Quality of chain
1	A	81	78% 16% • 5%
2	B	74	64% 12% 24%
2	C	74	62% 15% 23%

2　Ensemble composition and analysis ⓘ

This entry contains 10 models. Model 8 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:74-A:150, B:4-B:59, C:3-C:59 (190)	0.74	8

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 3 single-model clusters were found.

Cluster number	Models
1	3, 6, 7, 8, 10
2	1, 9
Single-model clusters	2; 4; 5

3 Entry composition ⓘ

There are 2 unique types of molecules in this entry. The entry contains 3521 atoms, of which 1771 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Ubiquitin-like protein MDY2.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	81	1337	416	693	107	119	2	0

There are 3 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	73	MET	-	initiating methionine	UNP Q12285
A	152	LEU	-	expression tag	UNP Q12285
A	153	GLU	-	expression tag	UNP Q12285

- Molecule 2 is a protein called Small glutamine-rich tetratricopeptide repeat-containing protein 2.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
2	B	74	1092	344	539	88	119	2	0
2	C	74	1092	344	539	88	119	2	0

There are 6 discrepancies between the modelled and reference sequences:

| Chain	Residue	Modelled	Actual	Comment	Reference
B	-1	SER	-	expression tag	UNP Q12118
B	0	VAL	-	expression tag	UNP Q12118
B	1	ASP	-	expression tag	UNP Q12118
C	-1	SER	-	expression tag	UNP Q12118
C	0	VAL	-	expression tag	UNP Q12118
C	1	ASP	-	expression tag	UNP Q12118

4　Residue-property plots ⓘ

4.1　Average score per residue in the NMR ensemble

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

- Molecule 1: Ubiquitin-like protein MDY2
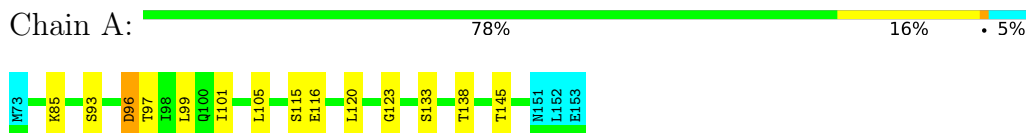
Chain A:

- Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2

Chain B:

- Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2

Chain C:
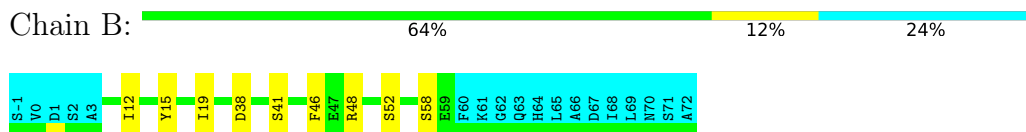
4.2　Scores per residue for each member of the ensemble

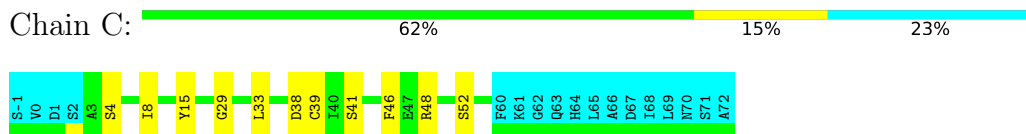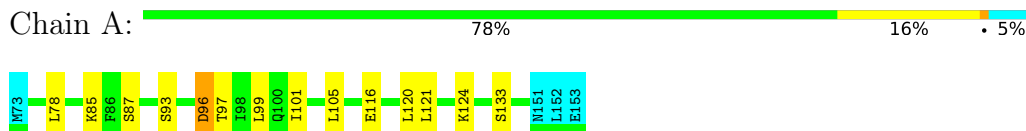Colouring as in section 4.1 above.

4.2.1　Score per residue for model 1

- Molecule 1: Ubiquitin-like protein MDY2

Chain A:

• Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2

Chain B: 59% 15% • 24%

S-1 V0 D1 S2 A3 I8 I12 Y15 I19 G29 L33 M37 S41 F46 E47 R48 S52 S58 E59 F60 K61 G62 Q63 H64 L65 A66 D67 I68 L69 N70 S71 A72

• Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2

Chain C: 58% 18% • 23%
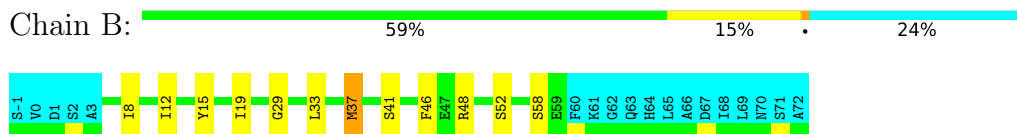
S-1 V0 D1 S2 A3 S4 K5 I8 L11 I12 S18 S26 G29 L33 S41 F44 G45 F46 S52 S58 E59 F60 K61 G62 Q63 H64 L65 A66 D67 I68 L69 N70 S71 A72

4.2.2 Score per residue for model 2

• Molecule 1: Ubiquitin-like protein MDY2

Chain A: 77% 19% 5%

M73 F86 S93 P94 S95 D96 T97 Q100 K110 S115 E116 G123 D128 S133 K136 V137 T138 T143 I144 T145 N151 L152 E153

• Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2

Chain B: 66% 9% 24%

S-1 V0 D1 S2 A3 G29 L33 D38 S41 F46 S52 S58 E59 F60 K61 G62 Q63 H64 L65 A66 D67 I68 L69 N70 S71 A72

• Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2

Chain C: 64% 12% • 23%

S-1 V0 D1 S2 A3 S4 I8 I12 V13 N14 C39 I40 S41 F46 E47 R48 S52 E59 F60 K61 G62 Q63 H64 L65 A66 D67 I68 L69 N70 S71 A72

4.2.3 Score per residue for model 3

• Molecule 1: Ubiquitin-like protein MDY2

Chain A: 65% 27% • 5%

M73 K85 H90 D91 F92 S93 D96 L99 Q100 I101 K102 Q103 H104 L105 E108 A111 S112 H113 I114 S115 E116 L121 K122 G123 T138 I144 T145 I148 K149 P150 N151 L152 E153

• Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2

Chain B: 59%   15%   •   24%

S-1 V0 D1 S2 A3 I12 E21 S26 E27 D28 D38 C39 I40 S41 F46 E47 R48 V51 S52 S58 E59 F60 K61 G62 Q63 H64 L65 A66 D67 I68 L69 N70 S71 A72

• Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2

Chain C: 58%   19%   23%

S-1 V0 D1 S2 A3 S4 I8 A9 I12 V13 N14 G29 L33 D38 C39 I40 S41 E42 F46 S52 F60 K61 G62 Q63 H64 L65 A66 D67 I68 L69 N70 S71 A72

4.2.4 Score per residue for model 4

• Molecule 1: Ubiquitin-like protein MDY2

Chain A: 74%   20%   •   5%

M73 K80 I81 P84 K85 S93 D96 T97 I98 L99 Q100 I101 L105 H113 I114 S115 E116 G123 S133 T138 T145 N151 L152 E153

• Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2

Chain B: 65%   11%   24%

S-1 V0 D1 S2 A3 S26 E27 D28 D38 S41 F46 E47 R48 S52 G56 F60 K61 G62 Q63 H64 L65 A66 D67 I68 L69 N70 S71 A72

• Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2

Chain C: 65%   12%   23%

S-1 V0 D1 S2 A3 S4 S18 S26 G29 L33 D38 E47 S52 G56 F60 K61 G62 Q63 H64 L65 A66 D67 I68 L69 N70 S71 A72

4.2.5 Score per residue for model 5

• Molecule 1: Ubiquitin-like protein MDY2
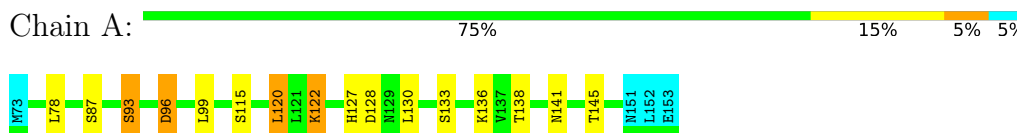
Chain A: 75%   15%   5%   5%

M73 L78 S87 S93 D96 L99 S115 L120 L121 K122 H127 D128 N129 L130 S133 K136 V137 T138 N141 T145 N151 L152 E153

• Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2

Chain B: 55%   18%   •   24%

• Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2
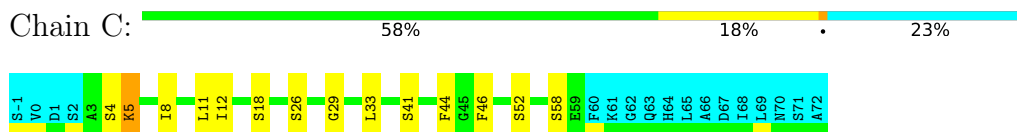
Chain C:
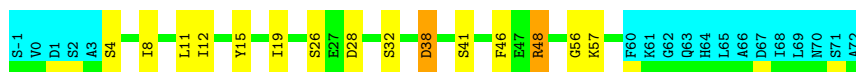
4.2.6 Score per residue for model 6

• Molecule 1: Ubiquitin-like protein MDY2

Chain A:

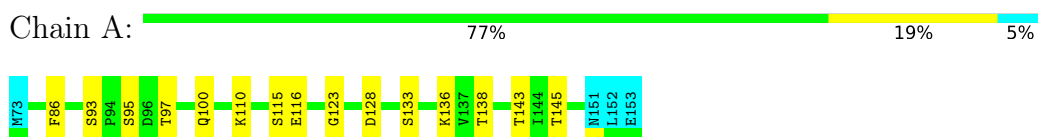• Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2

Chain B:

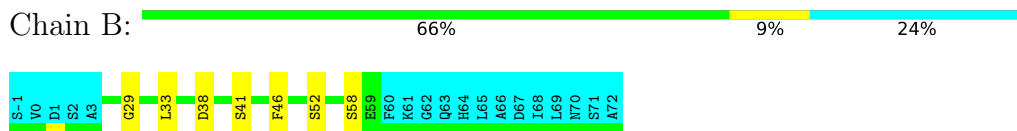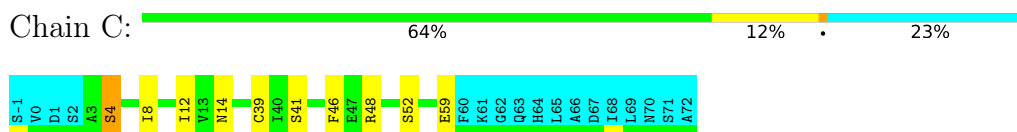• Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2

Chain C:

4.2.7 Score per residue for model 7

• Molecule 1: Ubiquitin-like protein MDY2

Chain A:

• Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2

Chain B:

- Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2

Chain C:
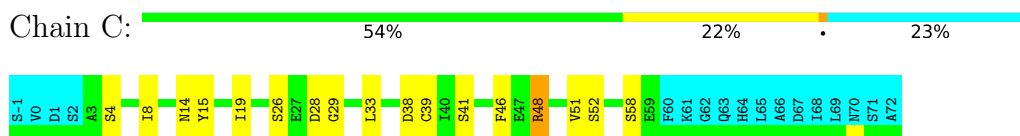
4.2.8 Score per residue for model 8 (medoid)

- Molecule 1: Ubiquitin-like protein MDY2
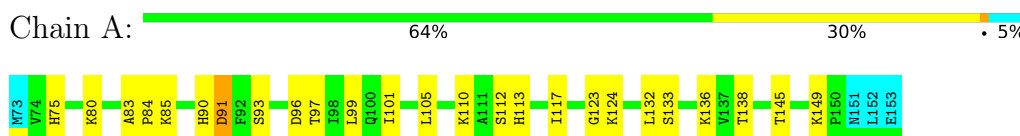
Chain A:

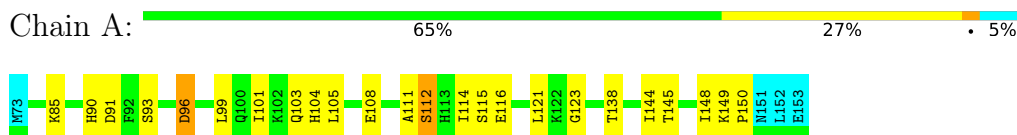- Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2

Chain B:

- Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2

Chain C:
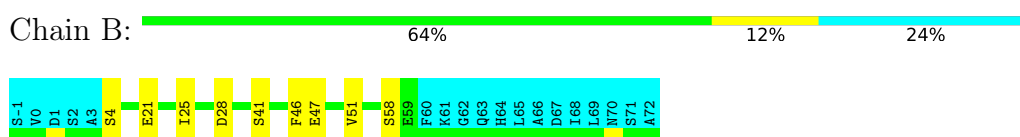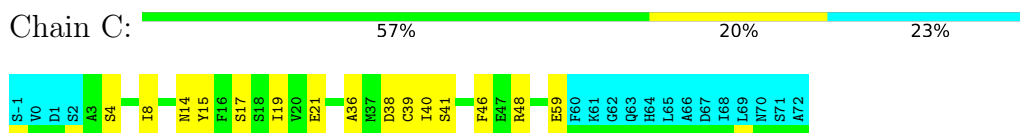
4.2.9 Score per residue for model 9

- Molecule 1: Ubiquitin-like protein MDY2
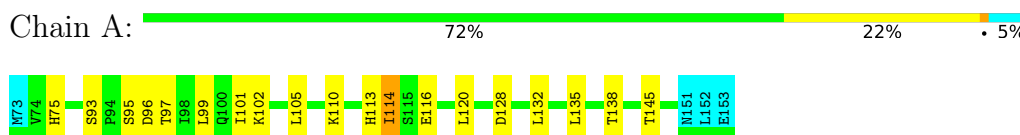
Chain A:

- Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2

Chain B:

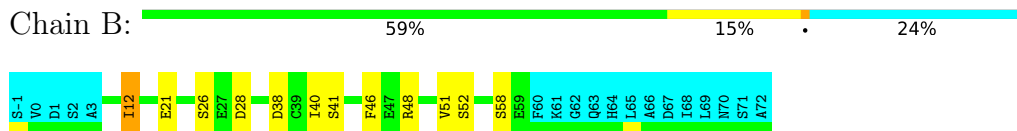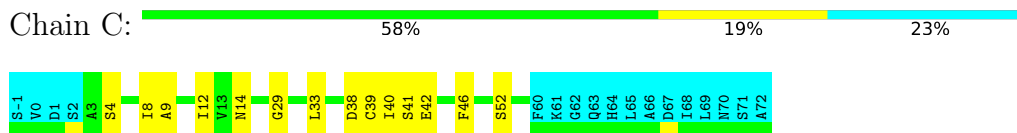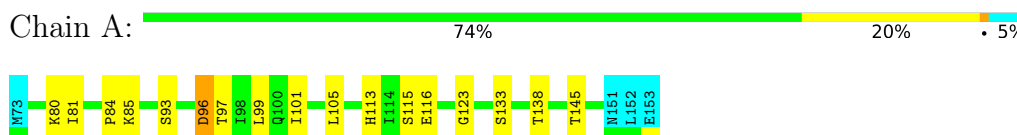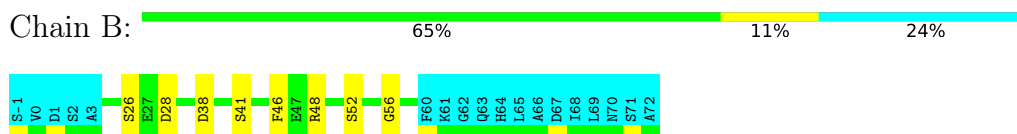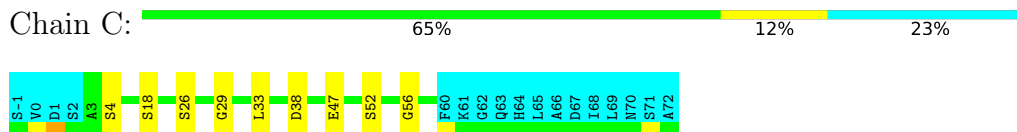- Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2

Chain C:

57%   15%   5%   23%
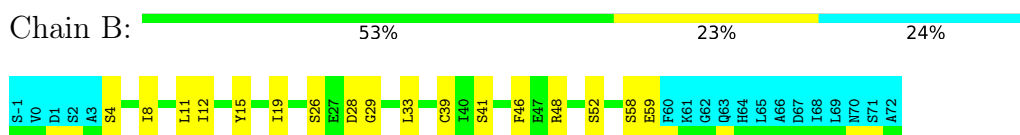
S-1 V0 D1 S2 A3 S4 E7 I8 L11 S26 D38 S41 F46 E47 R48 V51 S52 G53 I54 L55 S58 E59 F60 K61 G62 Q63 H64 L65 A66 D67 I68 L69 N70 S71 A72
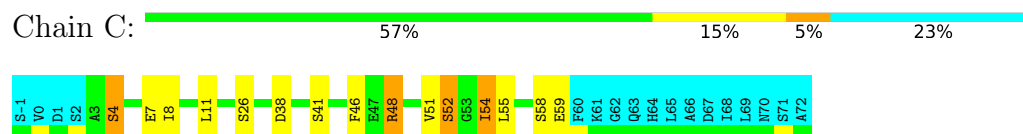
4.2.10   Score per residue for model 10

• Molecule 1: Ubiquitin-like protein MDY2
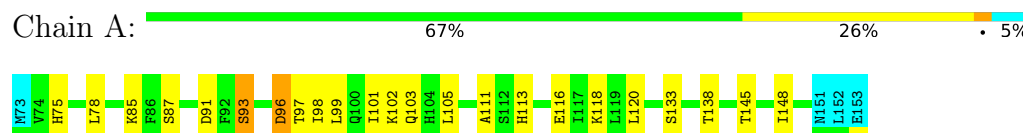
Chain A:

67%   26%   • 5%

M73 V74 H75 L78 K85 F86 S87 D91 F92 S93 D96 T97 I98 L99 Q100 I101 K102 Q103 H104 L105 A111 S112 H113 E116 I117 K118 L119 L120 S133 T138 T145 I148 N151 L152 E153

• Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2

Chain B:

65%   11%   24%

S-1 V0 D1 S2 A3 S4 L11 Y15 I19 M37 D38 R48 S58 E59 F60 K61 G62 Q63 H64 L65 A66 D67 I68 L69 N70 S71 A72

• Molecule 2: Small glutamine-rich tetratricopeptide repeat-containing protein 2

Chain C:

54%   22%   •   23%
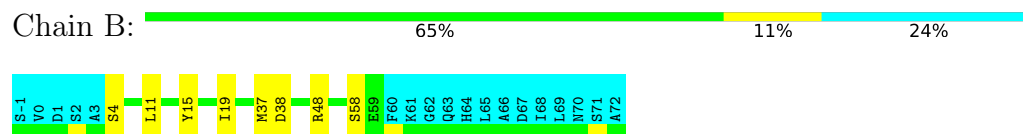
S-1 V0 D1 S2 A3 S4 E7 I8 L11 I12 Y15 I19 G29 A30 D31 S32 L33 N34 V35 D38 S41 F46 E49 S52 S58 E59 F60 K61 G62 Q63 H64 L65 A66 D67 I68 L69 N70 S71 A72
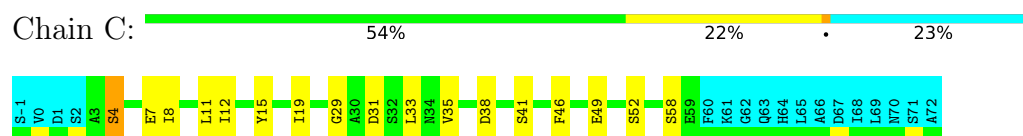
5 Refinement protocol and experimental data overview (i)

The models were refined using the following method: *simulated annealing, experimentally driven docking.*

Of the 200 calculated structures, 10 were deposited, based on the following criterion: *structures with the lowest energy.*

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

Software name	Classification	Version
ARIA	structure solution	2.3
ARIA	refinement	2.3
HADDOCK	structure solution	2.1

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	1621
Number of shifts mapped to atoms	1621
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	60%

6   Model quality ⓘ

6.1   Standard geometry ⓘ

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2   Too-close contacts ⓘ

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	610	659	654	6±2
2	B	421	410	410	4±2
2	C	426	415	415	6±2
All	All	14570	14840	14790	130

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 4.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models Worst	Total
2:C:41:SER:HA	2:C:46:PHE:CE1	0.72	2.19	10	9
1:A:123:GLY:HA2	2:C:39:CYS:SG	0.64	2.32	6	5
2:B:8:ILE:O	2:B:12:ILE:HG13	0.61	1.94	9	3
2:B:41:SER:HA	2:B:46:PHE:CE1	0.59	2.32	1	9
2:C:8:ILE:O	2:C:12:ILE:HG13	0.55	2.00	1	3
2:C:29:GLY:O	2:C:33:LEU:HG	0.55	2.01	6	7
2:B:15:TYR:O	2:B:19:ILE:HG12	0.54	2.03	1	6
2:B:12:ILE:HD12	2:C:12:ILE:HG12	0.54	1.79	5	1
1:A:101:ILE:O	1:A:105:LEU:HG	0.53	2.02	8	7
2:C:12:ILE:HG21	2:C:40:ILE:HD13	0.53	1.78	3	1
1:A:111:ALA:HB2	1:A:148:ILE:HD13	0.53	1.80	10	3
1:A:123:GLY:HA3	2:C:38:ASP:CB	0.52	2.34	8	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:B:32:SER:HB3	2:C:39:CYS:SG	0.52	2.44	5	1
1:A:127:HIS:HB2	1:A:130:LEU:HD13	0.51	1.83	5	1
1:A:93:SER:O	1:A:96:ASP:HB2	0.50	2.06	3	6
2:B:8:ILE:O	2:B:12:ILE:HG12	0.50	2.06	5	1
2:B:29:GLY:O	2:B:33:LEU:HG	0.50	2.07	1	3
2:C:15:TYR:O	2:C:19:ILE:HG12	0.49	2.08	10	4
2:B:37:MET:SD	2:B:48:ARG:HD2	0.48	2.48	1	2
2:B:8:ILE:HG13	2:C:15:TYR:CE2	0.48	2.43	5	1
1:A:123:GLY:O	2:C:39:CYS:HA	0.48	2.09	3	1
2:B:15:TYR:CE1	2:C:8:ILE:HG13	0.47	2.45	1	1
2:B:12:ILE:HG21	2:B:40:ILE:HD13	0.47	1.85	3	1
1:A:113:HIS:O	1:A:117:ILE:HG13	0.47	2.09	8	1
1:A:104:HIS:O	1:A:108:GLU:HG2	0.47	2.10	7	2
1:A:81:ILE:O	1:A:85:LYS:HG2	0.47	2.10	4	1
1:A:93:SER:O	1:A:132:LEU:HD12	0.47	2.10	8	3
2:B:24:GLU:O	2:C:5:LYS:HE2	0.47	2.09	6	1
1:A:78:LEU:O	1:A:87:SER:HA	0.46	2.10	10	3
2:C:38:ASP:OD2	2:C:48:ARG:HD3	0.46	2.11	9	1
2:B:21:GLU:OE1	2:B:21:GLU:HA	0.46	2.10	8	1
2:C:7:GLU:HG3	2:C:54:ILE:O	0.45	2.11	9	1
1:A:80:LYS:HG2	1:A:84:PRO:O	0.45	2.12	8	2
1:A:115:SER:HB3	1:A:116:GLU:OE2	0.45	2.10	4	1
1:A:120:LEU:HD21	2:B:35:VAL:HG11	0.45	1.87	7	2
2:C:4:SER:O	2:C:8:ILE:HG12	0.45	2.11	2	5
2:C:36:ALA:O	2:C:40:ILE:HD12	0.44	2.13	8	1
2:C:41:SER:HB3	2:C:46:PHE:O	0.44	2.13	9	1
2:C:8:ILE:O	2:C:12:ILE:HD13	0.44	2.13	2	1
1:A:120:LEU:HD11	2:C:39:CYS:SG	0.44	2.53	5	1
2:C:5:LYS:HB2	2:C:44:PHE:CE1	0.43	2.48	1	1
1:A:122:LYS:HG2	1:A:141:ASN:ND2	0.43	2.28	5	1
1:A:98:ILE:O	1:A:102:LYS:HG3	0.43	2.14	10	1
1:A:121:LEU:HD13	1:A:144:ILE:HD13	0.43	1.89	3	1
1:A:121:LEU:O	1:A:124:LYS:HB3	0.42	2.13	1	1
1:A:103:GLN:OE1	1:A:103:GLN:HA	0.42	2.15	10	2
1:A:112:SER:OG	1:A:150:PRO:HA	0.42	2.14	3	1
1:A:115:SER:HB2	1:A:116:GLU:OE2	0.42	2.14	7	1
1:A:120:LEU:HG	2:C:35:VAL:HG22	0.41	1.92	10	1
1:A:83:ALA:HA	1:A:84:PRO:C	0.41	2.35	8	1
2:B:15:TYR:CD2	2:C:8:ILE:HG21	0.41	2.51	10	1
2:B:38:ASP:OD1	2:B:48:ARG:HD3	0.41	2.15	5	1
2:B:8:ILE:O	2:B:12:ILE:HD13	0.41	2.16	1	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:B:15:TYR:CZ	2:C:8:ILE:HG13	0.41	2.51	1	1
2:C:9:ALA:HB1	2:C:46:PHE:CE1	0.41	2.51	3	1
1:A:102:LYS:HD3	1:A:114:ILE:HG13	0.41	1.92	9	1
1:A:149:LYS:HD3	2:B:38:ASP:OD2	0.40	2.16	3	1
1:A:86:PHE:CZ	1:A:110:LYS:HB3	0.40	2.50	2	1
2:C:48:ARG:O	2:C:51:VAL:HG13	0.40	2.17	7	1
2:C:17:SER:O	2:C:21:GLU:HB2	0.40	2.16	8	1
2:C:4:SER:HB2	2:C:7:GLU:OE1	0.40	2.16	10	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	77/81 (95%)	73±1 (95±2%)	4±2 (5±2%)	0±0 (0±1%)	38	78
2	B	56/74 (76%)	52±2 (93±4%)	4±2 (6±4%)	0±0 (0±1%)	50	82
2	C	57/74 (77%)	54±2 (95±4%)	3±2 (5±3%)	0±1 (1±1%)	32	76
All	All	1900/2290 (83%)	1793 (94%)	100 (5%)	7 (0%)	38	78

All 5 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	136	LYS	3
2	C	56	GLY	1
2	B	59	GLU	1
2	C	51	VAL	1
2	C	59	GLU	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	73/77 (95%)	62±2 (85±3%)	11±2 (15±3%)	6	44
2	B	46/60 (77%)	41±2 (88±4%)	5±2 (12±4%)	9	52
2	C	46/60 (77%)	40±2 (88±4%)	6±2 (12±4%)	8	51
All	All	1650/1970 (84%)	1431 (87%)	219 (13%)	7	48

All 68 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	96	ASP	9
1	A	99	LEU	9
1	A	138	THR	9
1	A	145	THR	9
2	C	52	SER	8
1	A	97	THR	7
1	A	116	GLU	7
1	A	133	SER	7
2	B	52	SER	7
2	B	58	SER	7
1	A	85	LYS	6
2	C	4	SER	5
2	C	26	SER	5
2	C	58	SER	5
2	C	14	ASN	5
2	C	48	ARG	5
2	B	26	SER	5
2	B	28	ASP	5
2	C	11	LEU	4
1	A	95	SER	4
1	A	115	SER	4
2	B	38	ASP	4
1	A	91	ASP	4
2	B	48	ARG	4
1	A	113	HIS	4
2	B	4	SER	4
1	A	120	LEU	3
1	A	93	SER	3
1	A	128	ASP	3
1	A	90	HIS	3
1	A	112	SER	3

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Mol	Chain	Res	Type	Models (Total)
2	B	51	VAL	3
2	B	11	LEU	3
2	B	47	GLU	3
1	A	75	HIS	3
2	C	18	SER	2
1	A	143	THR	2
2	C	59	GLU	2
1	A	114	ILE	2
2	C	47	GLU	2
2	C	49	GLU	2
1	A	110	LYS	2
2	B	37	MET	1
2	C	5	LYS	1
1	A	100	GLN	1
2	B	12	ILE	1
2	B	21	GLU	1
2	C	42	GLU	1
1	A	122	LYS	1
2	B	57	LYS	1
2	C	21	GLU	1
2	C	39	CYS	1
2	B	59	GLU	1
2	C	15	TYR	1
1	A	89	GLU	1
1	A	144	ILE	1
2	B	41	SER	1
2	C	28	ASP	1
1	A	124	LYS	1
1	A	149	LYS	1
2	B	25	ILE	1
1	A	135	LEU	1
2	B	39	CYS	1
2	C	54	ILE	1
2	C	55	LEU	1
1	A	118	LYS	1
2	C	31	ASP	1
2	C	38	ASP	1

6.3.3 RNA ⓘ

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates ⓘ

There are no monosaccharides in this entry.

6.6 Ligand geometry ⓘ

There are no ligands in this entry.

6.7 Other polymers ⓘ

There are no such molecules in this entry.

6.8 Polymer linkage issues ⓘ

There are no chain breaks in this entry.

7 Chemical shift validation ⓘ

The completeness of assignment taking into account all chemical shift lists is 60% for the well-defined parts and 54% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping ⓘ

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

Total number of shifts	1621
Number of shifts mapped to atoms	1621
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	1

7.1.2 Chemical shift referencing ⓘ

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_\alpha$	132	-0.33 ± 0.11	None needed (< 0.5 ppm)
$^{13}C_\beta$	127	0.12 ± 0.18	None needed (< 0.5 ppm)
$^{13}C'$	75	0.26 ± 0.10	None needed (< 0.5 ppm)
^{15}N	128	0.21 ± 0.33	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments ⓘ

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 60%, i.e. 1515 atoms were assigned a chemical shift out of a possible 2535. 0 out of 29 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	571/951 (60%)	254/385 (66%)	196/380 (52%)	121/186 (65%)
Sidechain	900/1436 (63%)	612/939 (65%)	281/464 (61%)	7/33 (21%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	44/148 (30%)	31/73 (42%)	13/65 (20%)	0/10 (0%)
Overall	1515/2535 (60%)	897/1397 (64%)	490/909 (54%)	128/229 (56%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 54%, i.e. 1621 atoms were assigned a chemical shift out of a possible 3029. 0 out of 36 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	610/1148 (53%)	275/465 (59%)	207/458 (45%)	128/225 (57%)
Sidechain	958/1697 (56%)	652/1110 (59%)	298/547 (54%)	8/40 (20%)
Aromatic	53/184 (29%)	36/91 (40%)	17/79 (22%)	0/14 (0%)
Overall	1621/3029 (54%)	963/1666 (58%)	522/1084 (48%)	136/279 (49%)

7.1.4   Statistically unusual chemical shifts ⓘ

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

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	80	LYS	HB2	0.34	0.58 − 2.97	-6.0

7.1.5   Random Coil Index (RCI) plots ⓘ

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

Random coil index (RCI) for chain A:
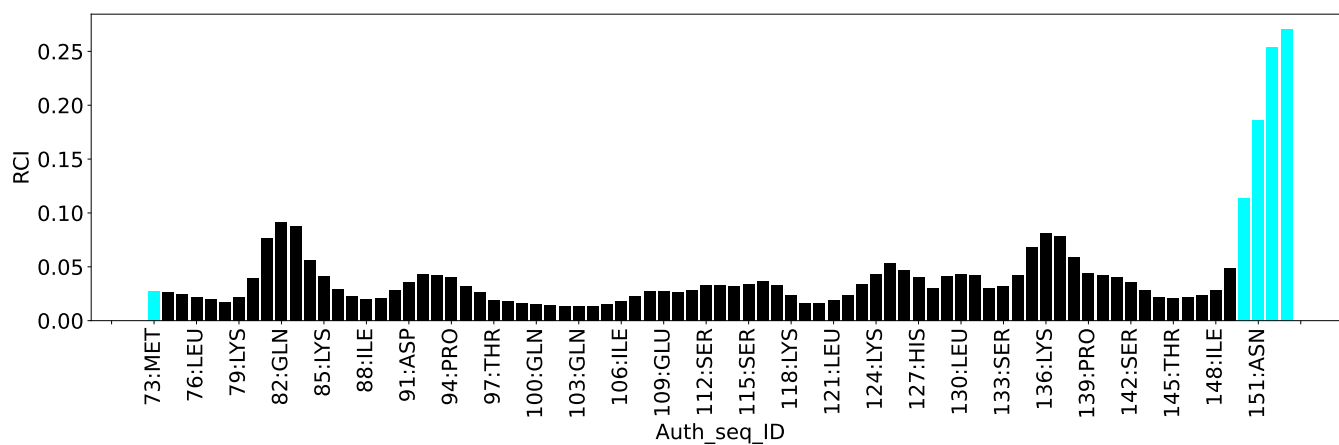
Random coil index (RCI) for chain B:
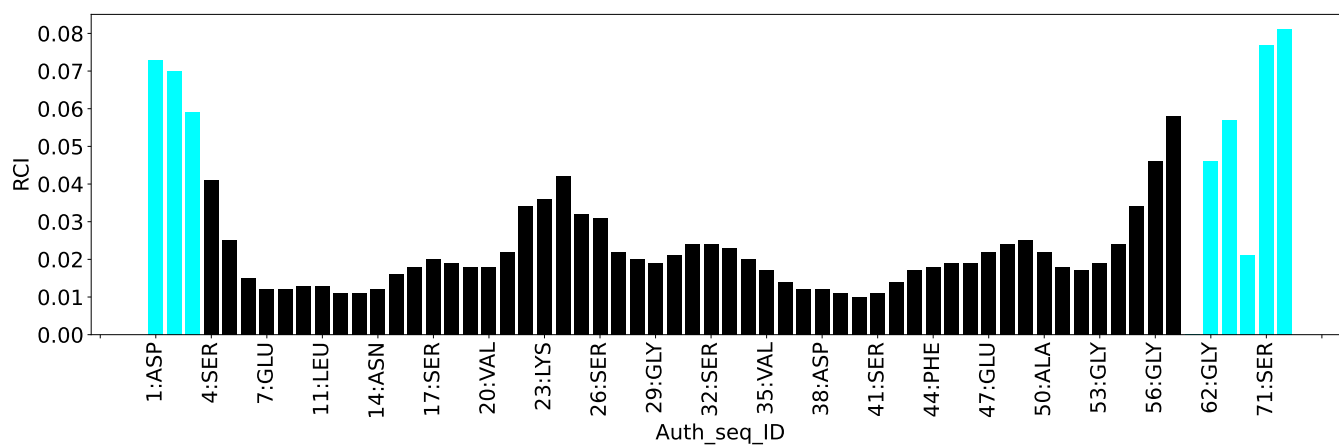
8   NMR restraints analysis   ⓘ

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	4346
Intra-residue ($\|i\text{-}j\|$=0)	1583
Sequential ($\|i\text{-}j\|$=1)	940
Medium range ($\|i\text{-}j\|$>1 and $\|i\text{-}j\|$<5)	703
Long range ($\|i\text{-}j\|$≥5)	833
Inter-chain	135
Hydrogen bond restraints	152
Disulfide bond restraints	0
Total dihedral-angle restraints	330
Number of unmapped restraints	0
Number of restraints per residue	20.4
Number of long range restraints per residue[1]	3.8

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

8.2   Residual restraint violations   ⓘ

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

8.2.1   Average number of distance violations per model   ⓘ

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	66.9	0.2
0.2-0.5 (Medium)	111.6	0.5
>0.5 (Large)	148.8	5.8

8.2.2　Average number of dihedral-angle violations per model ⓘ

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)	11.1	8.8
10.0-20.0 (Medium)	0.1	13.6
>20.0 (Large)	None	None

9 Distance violation analysis (i)

9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue ($|i-j|$=0)	1583	36.4	185	11.7	4.3	16	1.0	0.4
Backbone-Backbone	179	4.1	2	1.1	0.0	1	0.6	0.0
Backbone-Sidechain	971	22.3	144	14.8	3.3	12	1.2	0.3
Sidechain-Sidechain	433	10.0	39	9.0	0.9	3	0.7	0.1
Sequential ($|i-j|$=1)	940	21.6	93	9.9	2.1	13	1.4	0.3
Backbone-Backbone	294	6.8	5	1.7	0.1	0	0.0	0.0
Backbone-Sidechain	558	12.8	67	12.0	1.5	7	1.3	0.2
Sidechain-Sidechain	88	2.0	21	23.9	0.5	6	6.8	0.1
Medium range ($|i-j|$>1 & $|i-j|$<5)	703	16.2	147	20.9	3.4	16	2.3	0.4
Backbone-Backbone	142	3.3	3	2.1	0.1	0	0.0	0.0
Backbone-Sidechain	379	8.7	75	19.8	1.7	8	2.1	0.2
Sidechain-Sidechain	182	4.2	69	37.9	1.6	8	4.4	0.2
Long range ($|i-j|$≥5)	833	19.2	248	29.8	5.7	43	5.2	1.0
Backbone-Backbone	75	1.7	4	5.3	0.1	2	2.7	0.0
Backbone-Sidechain	370	8.5	91	24.6	2.1	9	2.4	0.2
Sidechain-Sidechain	388	8.9	153	39.4	3.5	32	8.2	0.7
Inter-chain	135	3.1	52	38.5	1.2	8	5.9	0.2
Backbone-Backbone	16	0.4	5	31.2	0.1	4	25.0	0.1
Backbone-Sidechain	31	0.7	14	45.2	0.3	2	6.5	0.0
Sidechain-Sidechain	88	2.0	33	37.5	0.8	2	2.3	0.0
Hydrogen bond	152	3.5	10	6.6	0.2	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	4346	100.0	735	16.9	16.9	96	2.2	2.2
Backbone-Backbone	858	19.7	29	3.4	0.7	7	0.8	0.2
Backbone-Sidechain	2309	53.1	391	16.9	9.0	38	1.6	0.9
Sidechain-Sidechain	1179	27.1	315	26.7	7.2	51	4.3	1.2

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

9.1.1 Bar chart : Distribution of distance restraints and violations ⓘ
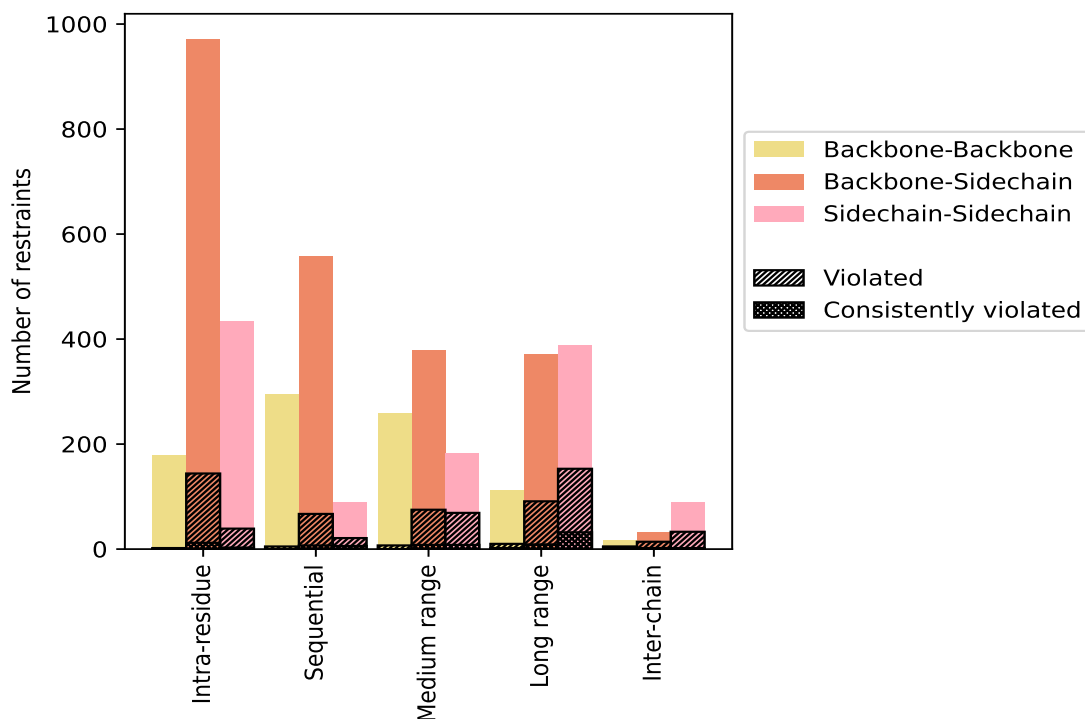
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories. The hydrogen bonds and disulfied bonds are counted in their appropriate category on the x-axis

9.2 Distance violation statistics for each model ⓘ

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	74	40	63	130	19	326	0.68	3.8	0.58	0.5
2	77	32	63	128	24	324	0.59	4.12	0.57	0.39
3	73	32	63	119	18	305	0.6	3.38	0.54	0.4
4	77	31	68	132	21	329	0.7	3.49	0.66	0.47
5	84	47	63	122	18	334	0.67	5.8	0.67	0.48
6	76	38	58	138	20	330	0.6	2.99	0.51	0.42
7	79	37	56	135	20	327	0.61	3.21	0.57	0.41
8	71	32	64	127	24	318	0.66	3.34	0.58	0.46
9	74	36	70	144	24	348	0.74	4.03	0.73	0.48
10	78	40	70	126	18	332	0.66	2.61	0.56	0.47

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

[5]Inter-chain restraints, [6]Standard deviation

9.2.1   Bar graph : Distance Violation statistics for each model ⓘ
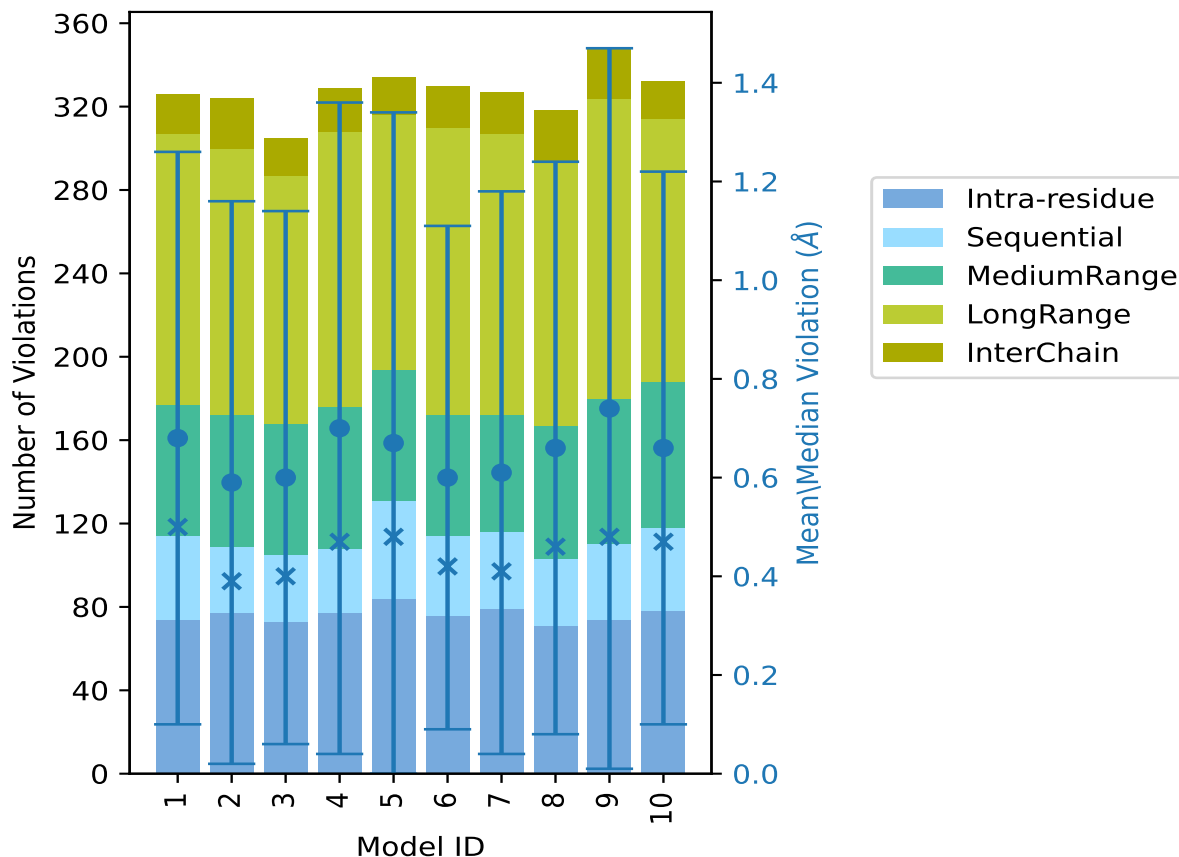
The mean(dot),median(x) and the standard deviation are shown in blue with respect to the y axis on the right

9.3   Distance violation statistics for the ensemble ⓘ

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, 3469(IR:1398, SQ:847, MR:556, LR:585, IC:83) 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]	%
57	32	43	60	17	209	1	10.0
25	15	16	20	7	83	2	20.0
19	9	18	25	8	79	3	30.0
11	6	19	15	4	55	4	40.0

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Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
14	5	7	15	2	43	5	50.0
10	3	5	15	2	35	6	60.0
13	4	8	15	1	41	7	70.0
6	3	7	20	1	37	8	80.0
14	3	8	20	2	47	9	90.0
16	13	16	43	8	96	10	100.0

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

9.3.1 Bar graph : Distance violation statistics for the ensemble ⓘ
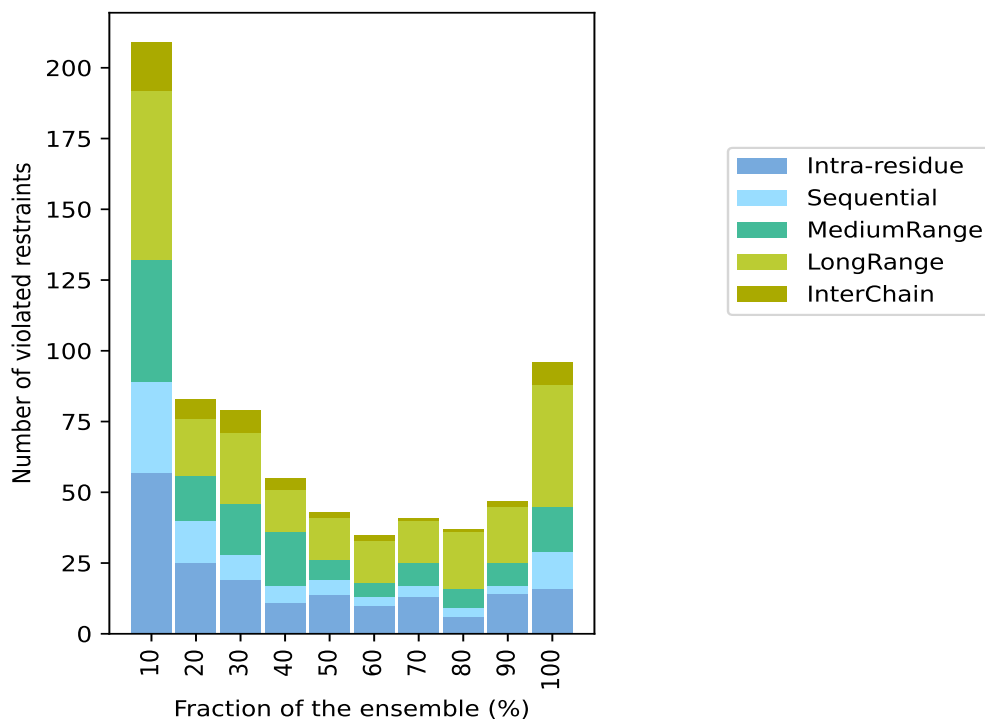
9.4 Most violated distance restraints in the ensemble ⓘ

9.4.1 Histogram : Distribution of mean distance violations ⓘ

The following histogram shows the distribution of the average value of the violation. The average is calculated for each restraint that is violated in more than one model over all the violated models in the ensemble
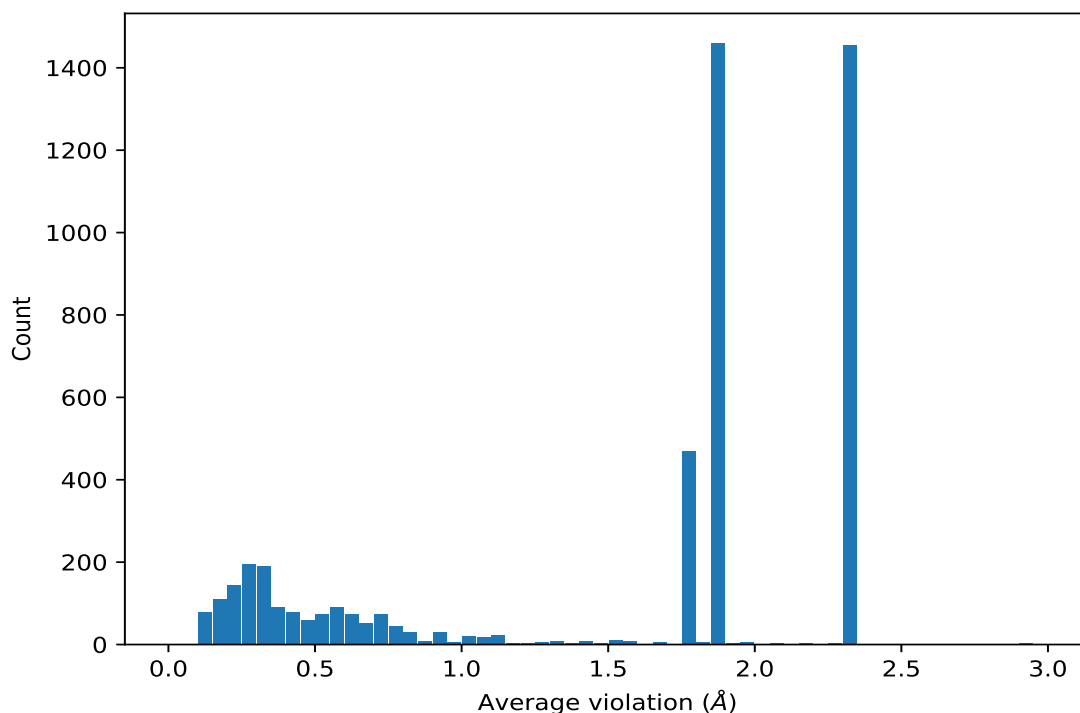
9.4.2   Table: Most violated distance restraints ⓘ

The following table provides the mean and the standard deviation of 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)
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD12	10	2.91	1.02	3.1
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD11	10	2.91	1.02	3.1
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD13	10	2.91	1.02	3.1
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD22	10	2.33	0.24	2.42
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD21	10	2.33	0.24	2.42
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD23	10	2.33	0.24	2.42
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:O	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG12	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:C	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG12	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:O	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CG	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG12	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB2	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG12	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:O	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG12	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD2	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG1	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG12	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HA	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG12	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HA	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:O	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG12	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:C	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG12	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:O	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CG	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG12	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB2	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG12	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:O	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG12	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD2	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG1	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG12	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HA	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG12	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HA	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:O	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG12	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:C	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG12	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:O	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CG	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG12	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB2	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG12	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:O	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG12	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD2	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG1	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG12	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HA	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG12	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HA	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:O	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG11	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG12	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG13	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG21	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG22	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG23	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:C	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:SG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:C	10	2.32	0.21	2.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CB	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CD	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CG	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:H	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HA	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG2	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG3	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:N	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:O	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE1	10	2.32	0.21	2.39
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE2	10	2.32	0.21	2.39
(1,705)	1:A:122:LYS:HE3	1:A:122:LYS:HB3	10	2.3	0.55	2.46
(1,82)	1:A:148:ILE:HG22	1:A:150:PRO:HD2	10	2.15	0.21	2.18
(1,82)	1:A:148:ILE:HG21	1:A:150:PRO:HD2	10	2.15	0.21	2.18
(1,82)	1:A:148:ILE:HG23	1:A:150:PRO:HD2	10	2.15	0.21	2.18
(1,860)	1:A:80:LYS:H	1:A:79:LYS:HD3	10	2.12	0.51	2.32
(1,834)	1:A:85:LYS:HE3	1:A:82:GLN:HA	10	1.88	0.39	1.83
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG12	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:O	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG12	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD2	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG1	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG12	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HA	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG12	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HA	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:O	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG12	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:C	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG12	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:O	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CG	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG12	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB2	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG12	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:O	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG12	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD2	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG1	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG12	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HA	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG12	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HA	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:O	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG12	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:C	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG12	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:O	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CG	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG12	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB2	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG12	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:O	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG12	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD2	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG1	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG12	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HA	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG12	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HA	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:O	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG12	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:C	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG12	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:O	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CG	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG12	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB2	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG11	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG12	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG13	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG21	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG22	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG23	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:O	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:SG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:C	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CB	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CD	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CG	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:H	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HA	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG2	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG3	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:N	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:O	10	1.87	0.2	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE1	10	1.87	0.2	1.86
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE2	10	1.87	0.2	1.86
(1,135)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	10	1.85	1.45	1.2
(1,135)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	10	1.85	1.45	1.2
(1,135)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	10	1.85	1.45	1.2
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG11	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG12	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG13	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG21	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG22	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG23	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:N	10	1.79	0.17	1.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:SG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CD	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:C	10	1.79	0.17	1.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG11	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG12	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG13	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG21	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG22	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG23	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:SG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CD	10	1.79	0.17	1.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG11	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG12	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG13	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG21	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG22	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG23	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CB	10	1.79	0.17	1.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:SG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CD	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB2	10	1.79	0.17	1.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG11	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG12	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG13	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG21	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG22	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG23	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:N	10	1.79	0.17	1.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:SG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CD	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG11	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG12	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG13	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG21	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG22	10	1.79	0.17	1.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG23	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:SG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CD	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:C	10	1.79	0.17	1.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG11	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG12	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG13	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG21	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG22	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG23	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CB	10	1.79	0.17	1.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:SG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CD	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HA	10	1.79	0.17	1.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG11	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG12	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG13	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG21	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG22	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG23	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:SG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:C	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CB	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CD	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CG	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:H	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HA	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB2	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG2	10	1.79	0.17	1.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG3	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:N	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:O	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE1	10	1.79	0.17	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE2	10	1.79	0.17	1.75
(1,57)	1:A:81:ILE:HD12	1:A:145:THR:HB	10	1.79	0.48	1.78
(1,57)	1:A:81:ILE:HD11	1:A:145:THR:HB	10	1.79	0.48	1.78
(1,57)	1:A:81:ILE:HD13	1:A:145:THR:HB	10	1.79	0.48	1.78
(1,1141)	1:A:82:GLN:H	1:A:80:LYS:HG2	10	1.75	0.93	2.32
(1,1356)	1:A:151:ASN:HA	1:A:151:ASN:HD22	10	1.72	0.5	1.64
(1,2628)	2:B:37:MET:HB3	2:B:17:SER:HB3	10	1.65	0.69	1.74
(1,179)	1:A:120:LEU:HD22	1:A:147:MET:HG3	10	1.59	0.78	1.93
(1,179)	1:A:120:LEU:HD21	1:A:147:MET:HG3	10	1.59	0.78	1.93
(1,179)	1:A:120:LEU:HD23	1:A:147:MET:HG3	10	1.59	0.78	1.93
(1,2629)	2:C:37:MET:HB3	2:C:17:SER:HB3	10	1.52	0.96	1.63
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD22	10	1.5	0.89	1.06
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD21	10	1.5	0.89	1.06
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD23	10	1.5	0.89	1.06
(1,1660)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	10	1.5	0.89	1.06
(1,1660)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	10	1.5	0.89	1.06
(1,1660)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	10	1.5	0.89	1.06
(1,2616)	2:B:51:VAL:HG22	2:B:46:PHE:HZ	10	1.43	0.38	1.38
(1,2616)	2:B:51:VAL:HG21	2:B:46:PHE:HZ	10	1.43	0.38	1.38
(1,2616)	2:B:51:VAL:HG23	2:B:46:PHE:HZ	10	1.43	0.38	1.38
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG22	10	1.41	0.68	1.38
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG21	10	1.41	0.68	1.38
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG23	10	1.41	0.68	1.38
(1,2617)	2:C:51:VAL:HG22	2:C:46:PHE:HZ	10	1.37	0.76	1.16
(1,2617)	2:C:51:VAL:HG21	2:C:46:PHE:HZ	10	1.37	0.76	1.16
(1,2617)	2:C:51:VAL:HG23	2:C:46:PHE:HZ	10	1.37	0.76	1.16
(1,700)	1:A:79:LYS:HE3	1:A:81:ILE:HA	10	1.34	0.71	1.48
(1,1353)	1:A:121:LEU:HD12	1:A:141:ASN:HD21	10	1.29	0.7	1.18
(1,1353)	1:A:121:LEU:HD11	1:A:141:ASN:HD21	10	1.29	0.7	1.18
(1,1353)	1:A:121:LEU:HD13	1:A:141:ASN:HD21	10	1.29	0.7	1.18
(1,157)	1:A:99:LEU:HD22	1:A:103:GLN:HE22	10	1.29	0.49	1.27
(1,157)	1:A:99:LEU:HD21	1:A:103:GLN:HE22	10	1.29	0.49	1.27
(1,157)	1:A:99:LEU:HD23	1:A:103:GLN:HE22	10	1.29	0.49	1.27
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD12	10	1.23	0.79	1.32
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD11	10	1.23	0.79	1.32
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD13	10	1.23	0.79	1.32
(1,736)	1:A:114:ILE:HG12	1:A:102:LYS:HB3	10	1.2	0.51	1.03
(1,1021)	1:A:103:GLN:HG3	1:A:103:GLN:H	10	1.16	0.18	1.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1457)	1:A:120:LEU:HD22	1:A:118:LYS:HE3	10	1.1	0.83	0.76
(1,1457)	1:A:120:LEU:HD21	1:A:118:LYS:HE3	10	1.1	0.83	0.76
(1,1457)	1:A:120:LEU:HD23	1:A:118:LYS:HE3	10	1.1	0.83	0.76
(1,1457)	1:A:126:LEU:HD22	1:A:124:LYS:HE2	10	1.1	0.83	0.76
(1,1457)	1:A:126:LEU:HD21	1:A:124:LYS:HE2	10	1.1	0.83	0.76
(1,1457)	1:A:126:LEU:HD23	1:A:124:LYS:HE2	10	1.1	0.83	0.76
(1,2883)	2:C:13:VAL:HG12	2:C:41:SER:HB3	10	1.1	0.22	1.08
(1,2883)	2:C:13:VAL:HG11	2:C:41:SER:HB3	10	1.1	0.22	1.08
(1,2883)	2:C:13:VAL:HG13	2:C:41:SER:HB3	10	1.1	0.22	1.08
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG12	10	1.09	0.44	1.14
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG11	10	1.09	0.44	1.14
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG13	10	1.09	0.44	1.14
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG12	10	1.09	0.44	1.14
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG11	10	1.09	0.44	1.14
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG13	10	1.09	0.44	1.14
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG12	10	1.09	0.44	1.14
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG11	10	1.09	0.44	1.14
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG13	10	1.09	0.44	1.14
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG12	10	1.01	0.25	0.92
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG11	10	1.01	0.25	0.92
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG13	10	1.01	0.25	0.92
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG12	10	1.01	0.25	0.92
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG11	10	1.01	0.25	0.92
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG13	10	1.01	0.25	0.92
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG12	10	1.01	0.25	0.92
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG11	10	1.01	0.25	0.92
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG13	10	1.01	0.25	0.92
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD12	10	0.95	0.86	0.38
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD11	10	0.95	0.86	0.38
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD13	10	0.95	0.86	0.38
(1,2063)	2:C:55:LEU:HD22	2:C:14:ASN:HB2	10	0.95	0.34	0.97
(1,2063)	2:C:55:LEU:HD21	2:C:14:ASN:HB2	10	0.95	0.34	0.97
(1,2063)	2:C:55:LEU:HD23	2:C:14:ASN:HB2	10	0.95	0.34	0.97
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG22	10	0.94	0.17	0.91
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG21	10	0.94	0.17	0.91
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG23	10	0.94	0.17	0.91
(1,2882)	2:B:13:VAL:HG12	2:B:41:SER:HB3	10	0.92	0.23	0.83
(1,2882)	2:B:13:VAL:HG11	2:B:41:SER:HB3	10	0.92	0.23	0.83
(1,2882)	2:B:13:VAL:HG13	2:B:41:SER:HB3	10	0.92	0.23	0.83
(1,150)	1:A:78:LEU:HD12	1:A:92:PHE:HZ	10	0.88	0.42	0.92
(1,150)	1:A:78:LEU:HD11	1:A:92:PHE:HZ	10	0.88	0.42	0.92
(1,150)	1:A:78:LEU:HD13	1:A:92:PHE:HZ	10	0.88	0.42	0.92

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2250)	2:B:11:LEU:HA	2:B:55:LEU:HB3	10	0.88	0.24	0.98
(1,3221)	2:C:34:ASN:HA	2:C:17:SER:H	10	0.87	0.23	0.86
(1,3572)	2:B:33:LEU:HD22	2:B:19:ILE:HB	10	0.82	0.21	0.89
(1,3572)	2:B:33:LEU:HD21	2:B:19:ILE:HB	10	0.82	0.21	0.89
(1,3572)	2:B:33:LEU:HD23	2:B:19:ILE:HB	10	0.82	0.21	0.89
(1,3572)	2:B:33:LEU:HD22	2:C:5:LYS:HB3	10	0.82	0.21	0.89
(1,3572)	2:B:33:LEU:HD21	2:C:5:LYS:HB3	10	0.82	0.21	0.89
(1,3572)	2:B:33:LEU:HD23	2:C:5:LYS:HB3	10	0.82	0.21	0.89
(1,2088)	2:B:8:ILE:HD12	2:C:19:ILE:HG12	10	0.81	0.42	0.72
(1,2088)	2:B:8:ILE:HD11	2:C:19:ILE:HG12	10	0.81	0.42	0.72
(1,2088)	2:B:8:ILE:HD13	2:C:19:ILE:HG12	10	0.81	0.42	0.72
(1,2243)	2:C:11:LEU:HA	2:C:54:ILE:HB	10	0.81	0.26	0.74
(1,2242)	2:B:11:LEU:HA	2:B:54:ILE:HB	10	0.8	0.12	0.79
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD1	10	0.8	0.21	0.76
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD2	10	0.8	0.21	0.76
(1,2545)	2:C:51:VAL:HG12	2:C:55:LEU:HG	10	0.8	0.66	0.58
(1,2545)	2:C:51:VAL:HG11	2:C:55:LEU:HG	10	0.8	0.66	0.58
(1,2545)	2:C:51:VAL:HG13	2:C:55:LEU:HG	10	0.8	0.66	0.58
(1,1653)	1:A:126:LEU:HD12	1:A:124:LYS:HD3	10	0.78	0.11	0.8
(1,1653)	1:A:126:LEU:HD11	1:A:124:LYS:HD3	10	0.78	0.11	0.8
(1,1653)	1:A:126:LEU:HD13	1:A:124:LYS:HD3	10	0.78	0.11	0.8
(1,1653)	1:A:126:LEU:HD12	1:A:126:LEU:HB3	10	0.78	0.11	0.8
(1,1653)	1:A:126:LEU:HD11	1:A:126:LEU:HB3	10	0.78	0.11	0.8
(1,1653)	1:A:126:LEU:HD13	1:A:126:LEU:HB3	10	0.78	0.11	0.8
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG22	10	0.76	0.19	0.7
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG21	10	0.76	0.19	0.7
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG23	10	0.76	0.19	0.7
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG22	10	0.76	0.19	0.7
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG21	10	0.76	0.19	0.7
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG23	10	0.76	0.19	0.7
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG22	10	0.76	0.19	0.7
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG21	10	0.76	0.19	0.7
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG23	10	0.76	0.19	0.7
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG22	10	0.76	0.19	0.7
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG21	10	0.76	0.19	0.7
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG23	10	0.76	0.19	0.7
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG22	10	0.76	0.19	0.7
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG21	10	0.76	0.19	0.7
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG23	10	0.76	0.19	0.7
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG22	10	0.76	0.19	0.7
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG21	10	0.76	0.19	0.7
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG23	10	0.76	0.19	0.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2251)	2:C:11:LEU:HA	2:C:55:LEU:HB3	10	0.75	0.11	0.72
(1,717)	1:A:120:LEU:HG	1:A:125:VAL:HA	10	0.75	0.34	0.64
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG22	10	0.74	0.11	0.76
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG21	10	0.74	0.11	0.76
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG23	10	0.74	0.11	0.76
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG22	10	0.74	0.11	0.76
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG21	10	0.74	0.11	0.76
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG23	10	0.74	0.11	0.76
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG22	10	0.74	0.11	0.76
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG21	10	0.74	0.11	0.76
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG23	10	0.74	0.11	0.76
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG22	10	0.74	0.11	0.76
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG21	10	0.74	0.11	0.76
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG23	10	0.74	0.11	0.76
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG22	10	0.74	0.11	0.76
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG21	10	0.74	0.11	0.76
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG23	10	0.74	0.11	0.76
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG22	10	0.74	0.11	0.76
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG21	10	0.74	0.11	0.76
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG23	10	0.74	0.11	0.76
(1,185)	1:A:130:LEU:HD22	1:A:131:PHE:H	10	0.74	0.08	0.72
(1,185)	1:A:130:LEU:HD21	1:A:131:PHE:H	10	0.74	0.08	0.72
(1,185)	1:A:130:LEU:HD23	1:A:131:PHE:H	10	0.74	0.08	0.72
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB2	10	0.73	0.24	0.74
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB3	10	0.73	0.24	0.74
(1,4081)	2:C:13:VAL:H	2:C:41:SER:HA	10	0.73	0.24	0.74
(1,3183)	2:C:12:ILE:HD12	2:C:9:ALA:H	10	0.72	0.28	0.73
(1,3183)	2:C:12:ILE:HD11	2:C:9:ALA:H	10	0.72	0.28	0.73
(1,3183)	2:C:12:ILE:HD13	2:C:9:ALA:H	10	0.72	0.28	0.73
(1,782)	1:A:98:ILE:HG22	1:A:98:ILE:HG12	10	0.71	0.01	0.72
(1,782)	1:A:98:ILE:HG21	1:A:98:ILE:HG12	10	0.71	0.01	0.72
(1,782)	1:A:98:ILE:HG23	1:A:98:ILE:HG12	10	0.71	0.01	0.72
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG22	10	0.71	0.17	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG21	10	0.71	0.17	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG23	10	0.71	0.17	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG22	10	0.71	0.17	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG21	10	0.71	0.17	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG23	10	0.71	0.17	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG22	10	0.71	0.17	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG21	10	0.71	0.17	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG23	10	0.71	0.17	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG22	10	0.71	0.17	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG21	10	0.71	0.17	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG23	10	0.71	0.17	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG22	10	0.71	0.17	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG21	10	0.71	0.17	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG23	10	0.71	0.17	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG22	10	0.71	0.17	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG21	10	0.71	0.17	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG23	10	0.71	0.17	0.68
(1,3069)	2:C:39:CYS:H	2:C:35:VAL:HB	10	0.7	0.09	0.72
(1,3119)	2:C:48:ARG:HB3	2:C:49:GLU:H	10	0.7	0.19	0.64
(1,3220)	2:B:34:ASN:HA	2:B:17:SER:H	10	0.68	0.23	0.68
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB2	10	0.67	0.24	0.7
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB1	10	0.67	0.24	0.7
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB3	10	0.67	0.24	0.7
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB2	10	0.67	0.24	0.7
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB1	10	0.67	0.24	0.7
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB3	10	0.67	0.24	0.7
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB2	10	0.67	0.24	0.7
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB1	10	0.67	0.24	0.7
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB3	10	0.67	0.24	0.7
(1,151)	1:A:135:LEU:HD12	1:A:135:LEU:H	10	0.65	0.09	0.62
(1,151)	1:A:135:LEU:HD11	1:A:135:LEU:H	10	0.65	0.09	0.62
(1,151)	1:A:135:LEU:HD13	1:A:135:LEU:H	10	0.65	0.09	0.62
(1,1010)	1:A:98:ILE:H	1:A:98:ILE:HG13	10	0.64	0.06	0.65
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB2	10	0.64	0.16	0.68
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB1	10	0.64	0.16	0.68
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB3	10	0.64	0.16	0.68
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB2	10	0.64	0.16	0.68
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB1	10	0.64	0.16	0.68
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB3	10	0.64	0.16	0.68
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB2	10	0.64	0.16	0.68
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB1	10	0.64	0.16	0.68
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB3	10	0.64	0.16	0.68
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD1	10	0.63	0.32	0.5
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD2	10	0.63	0.32	0.5
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG22	10	0.62	0.15	0.62
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG21	10	0.62	0.15	0.62
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG23	10	0.62	0.15	0.62
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG22	10	0.62	0.15	0.62
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG21	10	0.62	0.15	0.62
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG23	10	0.62	0.15	0.62
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG22	10	0.62	0.15	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG21	10	0.62	0.15	0.62
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG23	10	0.62	0.15	0.62
(1,3118)	2:B:48:ARG:HB3	2:B:49:GLU:H	10	0.62	0.14	0.66
(1,3573)	2:C:33:LEU:HD22	2:C:19:ILE:HB	10	0.62	0.27	0.65
(1,3573)	2:C:33:LEU:HD21	2:C:19:ILE:HB	10	0.62	0.27	0.65
(1,3573)	2:C:33:LEU:HD23	2:C:19:ILE:HB	10	0.62	0.27	0.65
(1,3573)	2:C:33:LEU:HD22	2:B:5:LYS:HB3	10	0.62	0.27	0.65
(1,3573)	2:C:33:LEU:HD21	2:B:5:LYS:HB3	10	0.62	0.27	0.65
(1,3573)	2:C:33:LEU:HD23	2:B:5:LYS:HB3	10	0.62	0.27	0.65
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB2	10	0.62	0.08	0.62
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB3	10	0.62	0.08	0.62
(1,4080)	2:B:13:VAL:H	2:B:41:SER:HA	10	0.62	0.08	0.62
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG22	10	0.62	0.12	0.59
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG21	10	0.62	0.12	0.59
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG23	10	0.62	0.12	0.59
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG22	10	0.62	0.12	0.59
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG21	10	0.62	0.12	0.59
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG23	10	0.62	0.12	0.59
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG22	10	0.62	0.12	0.59
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG21	10	0.62	0.12	0.59
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG23	10	0.62	0.12	0.59
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG22	10	0.62	0.12	0.59
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG21	10	0.62	0.12	0.59
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG23	10	0.62	0.12	0.59
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG22	10	0.62	0.12	0.59
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG21	10	0.62	0.12	0.59
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG23	10	0.62	0.12	0.59
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG22	10	0.62	0.12	0.59
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG21	10	0.62	0.12	0.59
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG23	10	0.62	0.12	0.59
(1,2534)	2:B:36:ALA:HB2	2:C:40:ILE:HG13	10	0.61	0.56	0.34
(1,2534)	2:B:36:ALA:HB1	2:C:40:ILE:HG13	10	0.61	0.56	0.34
(1,2534)	2:B:36:ALA:HB3	2:C:40:ILE:HG13	10	0.61	0.56	0.34
(1,979)	1:A:101:ILE:HG12	1:A:101:ILE:H	10	0.59	0.05	0.58
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG22	10	0.58	0.21	0.54
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG21	10	0.58	0.21	0.54
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG23	10	0.58	0.21	0.54
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG22	10	0.58	0.21	0.54
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG21	10	0.58	0.21	0.54
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG23	10	0.58	0.21	0.54
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG22	10	0.58	0.21	0.54
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG21	10	0.58	0.21	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG23	10	0.58	0.21	0.54
(1,1446)	1:A:97:THR:HG21	1:A:96:ASP:HB3	10	0.54	0.24	0.52
(1,1446)	1:A:97:THR:HG22	1:A:96:ASP:HB3	10	0.54	0.24	0.52
(1,1446)	1:A:97:THR:HG23	1:A:96:ASP:HB3	10	0.54	0.24	0.52
(1,1446)	1:A:97:THR:HG21	1:A:100:GLN:HG3	10	0.54	0.24	0.52
(1,1446)	1:A:97:THR:HG22	1:A:100:GLN:HG3	10	0.54	0.24	0.52
(1,1446)	1:A:97:THR:HG23	1:A:100:GLN:HG3	10	0.54	0.24	0.52
(1,174)	1:A:132:LEU:HD22	1:A:92:PHE:HA	10	0.47	0.09	0.47
(1,174)	1:A:132:LEU:HD21	1:A:92:PHE:HA	10	0.47	0.09	0.47
(1,174)	1:A:132:LEU:HD23	1:A:92:PHE:HA	10	0.47	0.09	0.47
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG22	10	0.46	0.18	0.46
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG21	10	0.46	0.18	0.46
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG23	10	0.46	0.18	0.46
(1,3068)	2:B:39:CYS:H	2:B:35:VAL:HB	10	0.46	0.19	0.5
(1,980)	1:A:101:ILE:HG13	1:A:101:ILE:H	10	0.46	0.09	0.48
(1,3420)	2:B:51:VAL:H	2:B:54:ILE:HG12	10	0.42	0.2	0.38
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB2	10	0.41	0.12	0.43
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB1	10	0.41	0.12	0.43
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB3	10	0.41	0.12	0.43
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB2	10	0.41	0.12	0.43
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB1	10	0.41	0.12	0.43
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB3	10	0.41	0.12	0.43
(1,1011)	1:A:98:ILE:H	1:A:98:ILE:HG12	10	0.39	0.09	0.4
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD12	10	0.39	0.13	0.39
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD11	10	0.39	0.13	0.39
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD13	10	0.39	0.13	0.39
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD12	10	0.39	0.13	0.39
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD11	10	0.39	0.13	0.39
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD13	10	0.39	0.13	0.39
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD12	10	0.39	0.13	0.39
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD11	10	0.39	0.13	0.39
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD13	10	0.39	0.13	0.39
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG22	10	0.39	0.13	0.39
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG21	10	0.39	0.13	0.39
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG23	10	0.39	0.13	0.39
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG22	10	0.39	0.13	0.39
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG21	10	0.39	0.13	0.39
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG23	10	0.39	0.13	0.39
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG22	10	0.39	0.13	0.39
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG21	10	0.39	0.13	0.39
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG23	10	0.39	0.13	0.39
(1,3106)	2:B:51:VAL:HG22	2:B:52:SER:H	10	0.37	0.06	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3106)	2:B:51:VAL:HG21	2:B:52:SER:H	10	0.37	0.06	0.38
(1,3106)	2:B:51:VAL:HG23	2:B:52:SER:H	10	0.37	0.06	0.38
(1,1659)	1:A:118:LYS:HB2	1:A:118:LYS:HE3	10	0.36	0.09	0.38
(1,1659)	1:A:124:LYS:HE2	1:A:124:LYS:HD3	10	0.36	0.09	0.38
(1,2550)	2:B:20:VAL:HG12	2:B:19:ILE:HB	10	0.35	0.06	0.36
(1,2550)	2:B:20:VAL:HG11	2:B:19:ILE:HB	10	0.35	0.06	0.36
(1,2550)	2:B:20:VAL:HG13	2:B:19:ILE:HB	10	0.35	0.06	0.36
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB2	10	0.35	0.13	0.3
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB1	10	0.35	0.13	0.3
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB3	10	0.35	0.13	0.3
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB2	10	0.35	0.13	0.3
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB1	10	0.35	0.13	0.3
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB3	10	0.35	0.13	0.3
(1,2551)	2:C:20:VAL:HG12	2:C:19:ILE:HB	10	0.35	0.08	0.34
(1,2551)	2:C:20:VAL:HG11	2:C:19:ILE:HB	10	0.35	0.08	0.34
(1,2551)	2:C:20:VAL:HG13	2:C:19:ILE:HB	10	0.35	0.08	0.34
(1,683)	1:A:106:ILE:HG12	1:A:106:ILE:H	10	0.33	0.15	0.35
(1,494)	1:A:98:ILE:HA	1:A:101:ILE:HG12	10	0.33	0.11	0.31
(1,2532)	2:B:36:ALA:HB2	2:B:35:VAL:HB	10	0.32	0.06	0.32
(1,2532)	2:B:36:ALA:HB1	2:B:35:VAL:HB	10	0.32	0.06	0.32
(1,2532)	2:B:36:ALA:HB3	2:B:35:VAL:HB	10	0.32	0.06	0.32
(1,2533)	2:C:36:ALA:HB2	2:C:35:VAL:HB	10	0.31	0.05	0.32
(1,2533)	2:C:36:ALA:HB1	2:C:35:VAL:HB	10	0.31	0.05	0.32
(1,2533)	2:C:36:ALA:HB3	2:C:35:VAL:HB	10	0.31	0.05	0.32
(1,955)	1:A:131:PHE:HB3	1:A:131:PHE:H	10	0.3	0.05	0.31
(1,4189)	1:A:124:LYS:H	2:B:31:ASP:H	10	0.3	0.05	0.29
(1,4189)	1:A:124:LYS:H	2:C:31:ASP:H	10	0.3	0.05	0.29
(1,4189)	1:A:124:LYS:H	2:B:38:ASP:H	10	0.3	0.05	0.29
(1,4189)	1:A:124:LYS:H	2:C:38:ASP:H	10	0.3	0.05	0.29
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD12	10	0.28	0.11	0.22
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD11	10	0.28	0.11	0.22
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD13	10	0.28	0.11	0.22
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD12	10	0.28	0.11	0.22
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD11	10	0.28	0.11	0.22
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD13	10	0.28	0.11	0.22
(1,3555)	2:C:25:ILE:HD12	2:C:19:ILE:HB	10	0.27	0.1	0.27
(1,3555)	2:C:25:ILE:HD11	2:C:19:ILE:HB	10	0.27	0.1	0.27
(1,3555)	2:C:25:ILE:HD13	2:C:19:ILE:HB	10	0.27	0.1	0.27
(1,3555)	2:C:25:ILE:HD12	2:B:5:LYS:HB3	10	0.27	0.1	0.27
(1,3555)	2:C:25:ILE:HD11	2:B:5:LYS:HB3	10	0.27	0.1	0.27
(1,3555)	2:C:25:ILE:HD13	2:B:5:LYS:HB3	10	0.27	0.1	0.27
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD1	10	0.26	0.09	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD2	10	0.26	0.09	0.26
(1,3083)	2:C:41:SER:H	2:C:41:SER:HB3	10	0.26	0.01	0.26
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB2	10	0.26	0.1	0.24
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB1	10	0.26	0.1	0.24
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB3	10	0.26	0.1	0.24
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB2	10	0.26	0.1	0.24
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB1	10	0.26	0.1	0.24
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB3	10	0.26	0.1	0.24
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB2	10	0.26	0.1	0.24
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB1	10	0.26	0.1	0.24
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB3	10	0.26	0.1	0.24
(1,1157)	1:A:152:LEU:HA	1:A:152:LEU:H	10	0.21	0.02	0.21
(1,3050)	2:B:16:PHE:HB3	2:B:16:PHE:H	10	0.15	0.02	0.16
(1,63)	1:A:83:ALA:HB2	1:A:85:LYS:HE3	9	1.97	0.27	1.86
(1,63)	1:A:83:ALA:HB1	1:A:85:LYS:HE3	9	1.97	0.27	1.86
(1,63)	1:A:83:ALA:HB3	1:A:85:LYS:HE3	9	1.97	0.27	1.86
(1,1172)	1:A:85:LYS:HE3	1:A:83:ALA:H	9	1.74	0.37	1.59
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD12	9	1.66	0.47	1.55
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD11	9	1.66	0.47	1.55
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD13	9	1.66	0.47	1.55
(1,1123)	1:A:87:SER:H	1:A:79:LYS:HD3	9	1.35	0.33	1.38
(1,52)	1:A:81:ILE:HD12	1:A:81:ILE:H	9	1.32	0.1	1.31
(1,52)	1:A:81:ILE:HD11	1:A:81:ILE:H	9	1.32	0.1	1.31
(1,52)	1:A:81:ILE:HD13	1:A:81:ILE:H	9	1.32	0.1	1.31
(1,2298)	2:B:19:ILE:HA	2:B:22:LYS:HD3	9	1.21	0.69	1.04
(1,1629)	1:A:105:LEU:HD12	1:A:90:HIS:HE1	9	1.12	0.39	1.24
(1,1629)	1:A:105:LEU:HD11	1:A:90:HIS:HE1	9	1.12	0.39	1.24
(1,1629)	1:A:105:LEU:HD13	1:A:90:HIS:HE1	9	1.12	0.39	1.24
(1,1629)	1:A:105:LEU:HD12	1:A:104:HIS:HE1	9	1.12	0.39	1.24
(1,1629)	1:A:105:LEU:HD11	1:A:104:HIS:HE1	9	1.12	0.39	1.24
(1,1629)	1:A:105:LEU:HD13	1:A:104:HIS:HE1	9	1.12	0.39	1.24
(1,735)	1:A:79:LYS:HD3	1:A:79:LYS:HA	9	1.09	0.18	1.17
(1,732)	1:A:81:ILE:HA	1:A:79:LYS:HD3	9	1.02	0.54	1.06
(1,229)	1:A:118:LYS:HB2	1:A:118:LYS:HE3	9	1.02	0.47	0.93
(1,898)	1:A:85:LYS:HB3	1:A:86:PHE:H	9	1.01	0.45	1.11
(1,1198)	1:A:113:HIS:H	1:A:116:GLU:HB3	9	0.99	0.57	0.76
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD22	9	0.92	0.09	0.93
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD21	9	0.92	0.09	0.93
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD23	9	0.92	0.09	0.93
(1,2089)	2:C:8:ILE:HD12	2:B:19:ILE:HG12	9	0.91	0.51	0.91
(1,2089)	2:C:8:ILE:HD11	2:B:19:ILE:HG12	9	0.91	0.51	0.91
(1,2089)	2:C:8:ILE:HD13	2:B:19:ILE:HG12	9	0.91	0.51	0.91

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2158)	2:B:13:VAL:HG22	2:B:48:ARG:HD3	9	0.86	0.32	0.83
(1,2158)	2:B:13:VAL:HG21	2:B:48:ARG:HD3	9	0.86	0.32	0.83
(1,2158)	2:B:13:VAL:HG23	2:B:48:ARG:HD3	9	0.86	0.32	0.83
(1,1448)	1:A:78:LEU:HD12	1:A:90:HIS:HE1	9	0.84	0.48	1.02
(1,1448)	1:A:78:LEU:HD11	1:A:90:HIS:HE1	9	0.84	0.48	1.02
(1,1448)	1:A:78:LEU:HD13	1:A:90:HIS:HE1	9	0.84	0.48	1.02
(1,1448)	1:A:78:LEU:HD12	1:A:104:HIS:HE1	9	0.84	0.48	1.02
(1,1448)	1:A:78:LEU:HD11	1:A:104:HIS:HE1	9	0.84	0.48	1.02
(1,1448)	1:A:78:LEU:HD13	1:A:104:HIS:HE1	9	0.84	0.48	1.02
(1,2062)	2:B:55:LEU:HD22	2:B:14:ASN:HB2	9	0.81	0.23	0.78
(1,2062)	2:B:55:LEU:HD21	2:B:14:ASN:HB2	9	0.81	0.23	0.78
(1,2062)	2:B:55:LEU:HD23	2:B:14:ASN:HB2	9	0.81	0.23	0.78
(1,1593)	1:A:142:SER:HB2	1:A:74:VAL:HB	9	0.69	0.18	0.67
(1,1593)	1:A:142:SER:HB2	1:A:137:VAL:HB	9	0.69	0.18	0.67
(1,535)	1:A:150:PRO:HA	1:A:116:GLU:HG3	9	0.66	0.32	0.53
(1,2544)	2:B:51:VAL:HG12	2:B:55:LEU:HG	9	0.64	0.31	0.48
(1,2544)	2:B:51:VAL:HG11	2:B:55:LEU:HG	9	0.64	0.31	0.48
(1,2544)	2:B:51:VAL:HG13	2:B:55:LEU:HG	9	0.64	0.31	0.48
(1,2964)	2:B:48:ARG:HB3	2:B:48:ARG:H	9	0.59	0.02	0.59
(1,2038)	2:B:5:LYS:HB3	2:B:44:PHE:HZ	9	0.59	0.33	0.55
(1,176)	1:A:132:LEU:HD22	1:A:96:ASP:HB2	9	0.59	0.41	0.43
(1,176)	1:A:132:LEU:HD21	1:A:96:ASP:HB2	9	0.59	0.41	0.43
(1,176)	1:A:132:LEU:HD23	1:A:96:ASP:HB2	9	0.59	0.41	0.43
(3,33)	1:A:149:LYS:H	1:A:116:GLU:O	9	0.58	0.25	0.66
(1,1338)	1:A:99:LEU:HD12	1:A:103:GLN:HE21	9	0.57	0.5	0.36
(1,1338)	1:A:99:LEU:HD11	1:A:103:GLN:HE21	9	0.57	0.5	0.36
(1,1338)	1:A:99:LEU:HD13	1:A:103:GLN:HE21	9	0.57	0.5	0.36
(1,1140)	1:A:82:GLN:HG2	1:A:82:GLN:H	9	0.55	0.22	0.53
(1,3542)	2:B:51:VAL:HG22	2:B:13:VAL:HB	9	0.53	0.29	0.54
(1,3542)	2:B:51:VAL:HG21	2:B:13:VAL:HB	9	0.53	0.29	0.54
(1,3542)	2:B:51:VAL:HG23	2:B:13:VAL:HB	9	0.53	0.29	0.54
(1,3542)	2:B:51:VAL:HG22	2:B:49:GLU:HG3	9	0.53	0.29	0.54
(1,3542)	2:B:51:VAL:HG21	2:B:49:GLU:HG3	9	0.53	0.29	0.54
(1,3542)	2:B:51:VAL:HG23	2:B:49:GLU:HG3	9	0.53	0.29	0.54
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD12	9	0.53	0.22	0.56
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD11	9	0.53	0.22	0.56
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD13	9	0.53	0.22	0.56
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD12	9	0.53	0.22	0.56
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD11	9	0.53	0.22	0.56
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD13	9	0.53	0.22	0.56
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD12	9	0.53	0.22	0.56
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD11	9	0.53	0.22	0.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD13	9	0.53	0.22	0.56
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG22	9	0.53	0.22	0.56
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG21	9	0.53	0.22	0.56
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG23	9	0.53	0.22	0.56
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG22	9	0.53	0.22	0.56
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG21	9	0.53	0.22	0.56
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG23	9	0.53	0.22	0.56
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG22	9	0.53	0.22	0.56
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG21	9	0.53	0.22	0.56
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG23	9	0.53	0.22	0.56
(1,118)	1:A:97:THR:HG21	1:A:97:THR:H	9	0.5	0.2	0.59
(1,118)	1:A:97:THR:HG22	1:A:97:THR:H	9	0.5	0.2	0.59
(1,118)	1:A:97:THR:HG23	1:A:97:THR:H	9	0.5	0.2	0.59
(1,2193)	2:C:25:ILE:HD12	2:C:30:ALA:HA	9	0.47	0.17	0.44
(1,2193)	2:C:25:ILE:HD11	2:C:30:ALA:HA	9	0.47	0.17	0.44
(1,2193)	2:C:25:ILE:HD13	2:C:30:ALA:HA	9	0.47	0.17	0.44
(1,1661)	1:A:149:LYS:HE3	1:A:149:LYS:HD3	9	0.43	0.22	0.34
(1,1661)	1:A:149:LYS:HB3	1:A:149:LYS:HE3	9	0.43	0.22	0.34
(1,1159)	1:A:152:LEU:HG	1:A:152:LEU:H	9	0.43	0.21	0.46
(1,54)	1:A:81:ILE:HD12	1:A:82:GLN:H	9	0.42	0.21	0.41
(1,54)	1:A:81:ILE:HD11	1:A:82:GLN:H	9	0.42	0.21	0.41
(1,54)	1:A:81:ILE:HD13	1:A:82:GLN:H	9	0.42	0.21	0.41
(1,460)	1:A:126:LEU:HD12	1:A:120:LEU:HA	9	0.39	0.31	0.21
(1,460)	1:A:126:LEU:HD11	1:A:120:LEU:HA	9	0.39	0.31	0.21
(1,460)	1:A:126:LEU:HD13	1:A:120:LEU:HA	9	0.39	0.31	0.21
(1,672)	1:A:121:LEU:HD22	1:A:144:ILE:HA	9	0.38	0.14	0.43
(1,672)	1:A:121:LEU:HD21	1:A:144:ILE:HA	9	0.38	0.14	0.43
(1,672)	1:A:121:LEU:HD23	1:A:144:ILE:HA	9	0.38	0.14	0.43
(1,47)	1:A:88:ILE:HD12	1:A:105:LEU:HA	9	0.38	0.23	0.34
(1,47)	1:A:88:ILE:HD11	1:A:105:LEU:HA	9	0.38	0.23	0.34
(1,47)	1:A:88:ILE:HD13	1:A:105:LEU:HA	9	0.38	0.23	0.34
(3,139)	2:C:38:ASP:H	2:C:34:ASN:O	9	0.37	0.06	0.36
(1,1651)	1:A:88:ILE:HG22	1:A:78:LEU:HB3	9	0.35	0.16	0.37
(1,1651)	1:A:88:ILE:HG21	1:A:78:LEU:HB3	9	0.35	0.16	0.37
(1,1651)	1:A:88:ILE:HG23	1:A:78:LEU:HB3	9	0.35	0.16	0.37
(1,1651)	1:A:88:ILE:HG22	1:A:89:GLU:HG3	9	0.35	0.16	0.37
(1,1651)	1:A:88:ILE:HG21	1:A:89:GLU:HG3	9	0.35	0.16	0.37
(1,1651)	1:A:88:ILE:HG23	1:A:89:GLU:HG3	9	0.35	0.16	0.37
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB2	9	0.34	0.15	0.3
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB1	9	0.34	0.15	0.3
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB3	9	0.34	0.15	0.3
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB2	9	0.34	0.15	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB1	9	0.34	0.15	0.3
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB3	9	0.34	0.15	0.3
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB2	9	0.34	0.15	0.3
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB1	9	0.34	0.15	0.3
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB3	9	0.34	0.15	0.3
(1,1434)	1:A:83:ALA:HB2	1:A:82:GLN:HB2	9	0.32	0.04	0.31
(1,1434)	1:A:83:ALA:HB1	1:A:82:GLN:HB2	9	0.32	0.04	0.31
(1,1434)	1:A:83:ALA:HB3	1:A:82:GLN:HB2	9	0.32	0.04	0.31
(1,1434)	1:A:83:ALA:HB2	1:A:84:PRO:HG2	9	0.32	0.04	0.31
(1,1434)	1:A:83:ALA:HB1	1:A:84:PRO:HG2	9	0.32	0.04	0.31
(1,1434)	1:A:83:ALA:HB3	1:A:84:PRO:HG2	9	0.32	0.04	0.31
(1,1033)	1:A:106:ILE:HG13	1:A:106:ILE:H	9	0.31	0.1	0.3
(3,140)	2:C:38:ASP:N	2:C:34:ASN:O	9	0.3	0.05	0.3
(1,1132)	1:A:126:LEU:H	1:A:126:LEU:HB3	9	0.3	0.08	0.29
(1,4050)	2:B:54:ILE:HB	2:B:8:ILE:H	9	0.28	0.1	0.33
(1,4050)	2:B:54:ILE:HB	2:B:50:ALA:H	9	0.28	0.1	0.33
(1,3082)	2:B:41:SER:H	2:B:41:SER:HB3	9	0.27	0.01	0.28
(1,2347)	2:C:44:PHE:HB2	2:C:46:PHE:HD1	9	0.27	0.09	0.27
(1,2347)	2:C:44:PHE:HB2	2:C:46:PHE:HD2	9	0.27	0.09	0.27
(1,4182)	1:A:120:LEU:HD21	2:B:38:ASP:H	9	0.25	0.07	0.26
(1,4182)	1:A:120:LEU:HD22	2:B:38:ASP:H	9	0.25	0.07	0.26
(1,4182)	1:A:120:LEU:HD23	2:B:38:ASP:H	9	0.25	0.07	0.26
(1,4182)	1:A:120:LEU:HD21	2:C:38:ASP:H	9	0.25	0.07	0.26
(1,4182)	1:A:120:LEU:HD22	2:C:38:ASP:H	9	0.25	0.07	0.26
(1,4182)	1:A:120:LEU:HD23	2:C:38:ASP:H	9	0.25	0.07	0.26
(1,4182)	1:A:120:LEU:HD21	2:B:31:ASP:H	9	0.25	0.07	0.26
(1,4182)	1:A:120:LEU:HD22	2:B:31:ASP:H	9	0.25	0.07	0.26
(1,4182)	1:A:120:LEU:HD23	2:B:31:ASP:H	9	0.25	0.07	0.26
(1,4182)	1:A:120:LEU:HD21	2:C:31:ASP:H	9	0.25	0.07	0.26
(1,4182)	1:A:120:LEU:HD22	2:C:31:ASP:H	9	0.25	0.07	0.26
(1,4182)	1:A:120:LEU:HD23	2:C:31:ASP:H	9	0.25	0.07	0.26
(1,3814)	2:B:5:LYS:HG2	2:B:5:LYS:H	9	0.24	0.11	0.23
(1,3814)	2:B:5:LYS:HG2	2:B:6:GLU:H	9	0.24	0.11	0.23
(1,809)	1:A:126:LEU:HB2	1:A:126:LEU:H	9	0.22	0.05	0.23
(1,3051)	2:C:16:PHE:HB3	2:C:16:PHE:H	9	0.15	0.02	0.16
(1,93)	1:A:74:VAL:HG12	1:A:93:SER:HA	8	1.99	0.14	2.0
(1,93)	1:A:74:VAL:HG11	1:A:93:SER:HA	8	1.99	0.14	2.0
(1,93)	1:A:74:VAL:HG13	1:A:93:SER:HA	8	1.99	0.14	2.0
(1,95)	1:A:74:VAL:HG12	1:A:94:PRO:HD3	8	1.91	0.19	1.92
(1,95)	1:A:74:VAL:HG11	1:A:94:PRO:HD3	8	1.91	0.19	1.92
(1,95)	1:A:74:VAL:HG13	1:A:94:PRO:HD3	8	1.91	0.19	1.92
(1,1452)	1:A:105:LEU:HD22	1:A:90:HIS:HE1	8	1.56	0.81	1.82

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1452)	1:A:105:LEU:HD21	1:A:90:HIS:HE1	8	1.56	0.81	1.82
(1,1452)	1:A:105:LEU:HD23	1:A:90:HIS:HE1	8	1.56	0.81	1.82
(1,1452)	1:A:78:LEU:HD22	1:A:90:HIS:HE1	8	1.56	0.81	1.82
(1,1452)	1:A:78:LEU:HD21	1:A:90:HIS:HE1	8	1.56	0.81	1.82
(1,1452)	1:A:78:LEU:HD23	1:A:90:HIS:HE1	8	1.56	0.81	1.82
(1,94)	1:A:74:VAL:HG12	1:A:94:PRO:HA	8	1.49	0.23	1.55
(1,94)	1:A:74:VAL:HG11	1:A:94:PRO:HA	8	1.49	0.23	1.55
(1,94)	1:A:74:VAL:HG13	1:A:94:PRO:HA	8	1.49	0.23	1.55
(1,56)	1:A:114:ILE:HD12	1:A:103:GLN:HE21	8	1.11	0.4	1.09
(1,56)	1:A:114:ILE:HD11	1:A:103:GLN:HE21	8	1.11	0.4	1.09
(1,56)	1:A:114:ILE:HD13	1:A:103:GLN:HE21	8	1.11	0.4	1.09
(1,2299)	2:C:19:ILE:HA	2:C:22:LYS:HD3	8	1.11	0.59	0.94
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD12	8	1.04	0.57	1.14
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD11	8	1.04	0.57	1.14
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD13	8	1.04	0.57	1.14
(1,2147)	2:C:23:LYS:HE3	2:C:23:LYS:HG3	8	0.94	0.02	0.96
(1,786)	1:A:126:LEU:HD12	1:A:124:LYS:HD3	8	0.94	0.66	0.81
(1,786)	1:A:126:LEU:HD11	1:A:124:LYS:HD3	8	0.94	0.66	0.81
(1,786)	1:A:126:LEU:HD13	1:A:124:LYS:HD3	8	0.94	0.66	0.81
(1,1557)	1:A:81:ILE:HA	1:A:79:LYS:HD3	8	0.93	0.32	0.86
(1,1557)	1:A:81:ILE:HA	1:A:85:LYS:HD3	8	0.93	0.32	0.86
(1,2553)	2:C:35:VAL:HG12	2:C:37:MET:HB3	8	0.82	0.45	0.93
(1,2553)	2:C:35:VAL:HG11	2:C:37:MET:HB3	8	0.82	0.45	0.93
(1,2553)	2:C:35:VAL:HG13	2:C:37:MET:HB3	8	0.82	0.45	0.93
(1,2159)	2:C:13:VAL:HG22	2:C:48:ARG:HD3	8	0.79	0.28	0.92
(1,2159)	2:C:13:VAL:HG21	2:C:48:ARG:HD3	8	0.79	0.28	0.92
(1,2159)	2:C:13:VAL:HG23	2:C:48:ARG:HD3	8	0.79	0.28	0.92
(1,25)	1:A:144:ILE:HD12	1:A:120:LEU:H	8	0.78	0.44	0.79
(1,25)	1:A:144:ILE:HD11	1:A:120:LEU:H	8	0.78	0.44	0.79
(1,25)	1:A:144:ILE:HD13	1:A:120:LEU:H	8	0.78	0.44	0.79
(1,2594)	2:B:57:LYS:HB3	2:C:68:ILE:HG13	8	0.75	0.31	0.72
(1,186)	1:A:120:LEU:HD22	1:A:120:LEU:H	8	0.72	0.51	0.6
(1,186)	1:A:120:LEU:HD21	1:A:120:LEU:H	8	0.72	0.51	0.6
(1,186)	1:A:120:LEU:HD23	1:A:120:LEU:H	8	0.72	0.51	0.6
(1,720)	1:A:148:ILE:HD12	1:A:86:PHE:HZ	8	0.71	0.58	0.57
(1,720)	1:A:148:ILE:HD11	1:A:86:PHE:HZ	8	0.71	0.58	0.57
(1,720)	1:A:148:ILE:HD13	1:A:86:PHE:HZ	8	0.71	0.58	0.57
(1,183)	1:A:99:LEU:HD12	1:A:100:GLN:HE22	8	0.7	0.5	0.54
(1,183)	1:A:99:LEU:HD11	1:A:100:GLN:HE22	8	0.7	0.5	0.54
(1,183)	1:A:99:LEU:HD13	1:A:100:GLN:HE22	8	0.7	0.5	0.54
(1,3543)	2:C:51:VAL:HG22	2:C:13:VAL:HB	8	0.68	0.13	0.75
(1,3543)	2:C:51:VAL:HG21	2:C:13:VAL:HB	8	0.68	0.13	0.75

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3543)	2:C:51:VAL:HG23	2:C:13:VAL:HB	8	0.68	0.13	0.75
(1,3543)	2:C:51:VAL:HG22	2:C:49:GLU:HG3	8	0.68	0.13	0.75
(1,3543)	2:C:51:VAL:HG21	2:C:49:GLU:HG3	8	0.68	0.13	0.75
(1,3543)	2:C:51:VAL:HG23	2:C:49:GLU:HG3	8	0.68	0.13	0.75
(1,162)	1:A:78:LEU:HD22	1:A:92:PHE:HZ	8	0.6	0.5	0.39
(1,162)	1:A:78:LEU:HD21	1:A:92:PHE:HZ	8	0.6	0.5	0.39
(1,162)	1:A:78:LEU:HD23	1:A:92:PHE:HZ	8	0.6	0.5	0.39
(1,2192)	2:B:25:ILE:HD12	2:B:30:ALA:HA	8	0.6	0.58	0.37
(1,2192)	2:B:25:ILE:HD11	2:B:30:ALA:HA	8	0.6	0.58	0.37
(1,2192)	2:B:25:ILE:HD13	2:B:30:ALA:HA	8	0.6	0.58	0.37
(1,35)	1:A:106:ILE:HD12	1:A:113:HIS:HA	8	0.58	0.2	0.55
(1,35)	1:A:106:ILE:HD11	1:A:113:HIS:HA	8	0.58	0.2	0.55
(1,35)	1:A:106:ILE:HD13	1:A:113:HIS:HA	8	0.58	0.2	0.55
(1,791)	1:A:136:LYS:HG3	1:A:136:LYS:HE3	8	0.57	0.16	0.6
(1,2965)	2:C:48:ARG:HB3	2:C:48:ARG:H	8	0.55	0.13	0.6
(1,2061)	2:C:55:LEU:HD22	2:C:14:ASN:H	8	0.52	0.28	0.5
(1,2061)	2:C:55:LEU:HD21	2:C:14:ASN:H	8	0.52	0.28	0.5
(1,2061)	2:C:55:LEU:HD23	2:C:14:ASN:H	8	0.52	0.28	0.5
(1,2695)	2:C:54:ILE:HG22	2:C:46:PHE:HB2	8	0.52	0.22	0.5
(1,2695)	2:C:54:ILE:HG21	2:C:46:PHE:HB2	8	0.52	0.22	0.5
(1,2695)	2:C:54:ILE:HG23	2:C:46:PHE:HB2	8	0.52	0.22	0.5
(1,2043)	2:C:5:LYS:HD3	2:C:44:PHE:HZ	8	0.51	0.16	0.48
(1,511)	1:A:139:PRO:HD2	1:A:138:THR:HB	8	0.51	0.26	0.5
(1,2630)	2:B:51:VAL:HB	2:B:55:LEU:HG	8	0.45	0.31	0.34
(1,1623)	1:A:126:LEU:HG	1:A:124:LYS:HE3	8	0.4	0.2	0.32
(1,1623)	1:A:126:LEU:HG	1:A:127:HIS:HB2	8	0.4	0.2	0.32
(1,1623)	1:A:126:LEU:HG	1:A:134:ASP:HB2	8	0.4	0.2	0.32
(1,2060)	2:B:55:LEU:HD22	2:B:14:ASN:H	8	0.39	0.31	0.32
(1,2060)	2:B:55:LEU:HD21	2:B:14:ASN:H	8	0.39	0.31	0.32
(1,2060)	2:B:55:LEU:HD23	2:B:14:ASN:H	8	0.39	0.31	0.32
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD12	8	0.36	0.1	0.34
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD11	8	0.36	0.1	0.34
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD13	8	0.36	0.1	0.34
(1,1060)	1:A:116:GLU:HG2	1:A:116:GLU:H	8	0.33	0.27	0.24
(1,3554)	2:B:25:ILE:HD12	2:B:19:ILE:HB	8	0.3	0.14	0.26
(1,3554)	2:B:25:ILE:HD11	2:B:19:ILE:HB	8	0.3	0.14	0.26
(1,3554)	2:B:25:ILE:HD13	2:B:19:ILE:HB	8	0.3	0.14	0.26
(1,3554)	2:B:25:ILE:HD12	2:C:5:LYS:HB3	8	0.3	0.14	0.26
(1,3554)	2:B:25:ILE:HD11	2:C:5:LYS:HB3	8	0.3	0.14	0.26
(1,3554)	2:B:25:ILE:HD13	2:C:5:LYS:HB3	8	0.3	0.14	0.26
(1,2780)	2:B:41:SER:HA	2:B:46:PHE:HE1	8	0.3	0.08	0.29
(1,2780)	2:B:41:SER:HA	2:B:46:PHE:HE2	8	0.3	0.08	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4051)	2:C:54:ILE:HB	2:C:8:ILE:H	8	0.26	0.05	0.28
(1,4051)	2:C:54:ILE:HB	2:C:50:ALA:H	8	0.26	0.05	0.28
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG22	8	0.24	0.09	0.22
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG21	8	0.24	0.09	0.22
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG23	8	0.24	0.09	0.22
(1,36)	1:A:106:ILE:HD12	1:A:106:ILE:HA	8	0.19	0.03	0.2
(1,36)	1:A:106:ILE:HD11	1:A:106:ILE:HA	8	0.19	0.03	0.2
(1,36)	1:A:106:ILE:HD13	1:A:106:ILE:HA	8	0.19	0.03	0.2
(1,2388)	2:B:20:VAL:HG22	2:B:34:ASN:HD22	7	2.28	1.17	2.91
(1,2388)	2:B:20:VAL:HG21	2:B:34:ASN:HD22	7	2.28	1.17	2.91
(1,2388)	2:B:20:VAL:HG23	2:B:34:ASN:HD22	7	2.28	1.17	2.91
(1,804)	1:A:121:LEU:HD22	1:A:141:ASN:HD21	7	1.32	0.92	1.12
(1,804)	1:A:121:LEU:HD21	1:A:141:ASN:HD21	7	1.32	0.92	1.12
(1,804)	1:A:121:LEU:HD23	1:A:141:ASN:HD21	7	1.32	0.92	1.12
(1,790)	1:A:126:LEU:HG	1:A:124:LYS:HE3	7	1.31	0.72	1.31
(1,571)	1:A:93:SER:HB3	1:A:96:ASP:HB3	7	1.3	0.2	1.23
(1,702)	1:A:122:LYS:HE3	1:A:122:LYS:H	7	1.16	0.42	1.13
(1,2615)	2:C:13:VAL:HG12	2:C:48:ARG:HG2	7	1.09	0.78	1.07
(1,2615)	2:C:13:VAL:HG11	2:C:48:ARG:HG2	7	1.09	0.78	1.07
(1,2615)	2:C:13:VAL:HG13	2:C:48:ARG:HG2	7	1.09	0.78	1.07
(1,703)	1:A:122:LYS:HE3	1:A:141:ASN:HD22	7	1.04	0.85	0.82
(1,1295)	1:A:129:ASN:H	1:A:97:THR:HB	7	1.04	0.58	0.98
(1,2042)	2:B:5:LYS:HD3	2:B:44:PHE:HZ	7	1.0	0.24	1.02
(1,2614)	2:B:13:VAL:HG12	2:B:48:ARG:HG2	7	0.79	0.93	0.24
(1,2614)	2:B:13:VAL:HG11	2:B:48:ARG:HG2	7	0.79	0.93	0.24
(1,2614)	2:B:13:VAL:HG13	2:B:48:ARG:HG2	7	0.79	0.93	0.24
(1,2631)	2:C:51:VAL:HB	2:C:55:LEU:HG	7	0.76	1.08	0.33
(1,2639)	2:C:35:VAL:HG22	2:C:37:MET:HB3	7	0.73	0.38	0.88
(1,2639)	2:C:35:VAL:HG21	2:C:37:MET:HB3	7	0.73	0.38	0.88
(1,2639)	2:C:35:VAL:HG23	2:C:37:MET:HB3	7	0.73	0.38	0.88
(1,2595)	2:C:57:LYS:HB3	2:B:68:ILE:HG13	7	0.72	0.22	0.73
(1,2211)	2:C:22:LYS:HA	2:C:24:GLU:HB2	7	0.7	0.34	0.67
(1,1037)	1:A:107:SER:HB3	1:A:107:SER:H	7	0.69	0.04	0.7
(1,697)	1:A:79:LYS:HE3	1:A:79:LYS:HG3	7	0.64	0.3	0.69
(1,13)	1:A:119:LEU:HD22	1:A:98:ILE:HA	7	0.63	0.6	0.45
(1,13)	1:A:119:LEU:HD21	1:A:98:ILE:HA	7	0.63	0.6	0.45
(1,13)	1:A:119:LEU:HD23	1:A:98:ILE:HA	7	0.63	0.6	0.45
(1,3182)	2:B:12:ILE:HD12	2:B:9:ALA:H	7	0.58	0.36	0.53
(1,3182)	2:B:12:ILE:HD11	2:B:9:ALA:H	7	0.58	0.36	0.53
(1,3182)	2:B:12:ILE:HD13	2:B:9:ALA:H	7	0.58	0.36	0.53
(1,3934)	2:B:55:LEU:HD12	2:B:6:GLU:HB2	7	0.55	0.36	0.58
(1,3934)	2:B:55:LEU:HD11	2:B:6:GLU:HB2	7	0.55	0.36	0.58

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3934)	2:B:55:LEU:HD13	2:B:6:GLU:HB2	7	0.55	0.36	0.58
(1,3934)	2:B:55:LEU:HD12	2:B:7:GLU:HG2	7	0.55	0.36	0.58
(1,3934)	2:B:55:LEU:HD11	2:B:7:GLU:HG2	7	0.55	0.36	0.58
(1,3934)	2:B:55:LEU:HD13	2:B:7:GLU:HG2	7	0.55	0.36	0.58
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG12	7	0.54	0.25	0.48
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG11	7	0.54	0.25	0.48
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG13	7	0.54	0.25	0.48
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG12	7	0.54	0.25	0.48
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG11	7	0.54	0.25	0.48
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG13	7	0.54	0.25	0.48
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG12	7	0.54	0.25	0.48
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG11	7	0.54	0.25	0.48
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG13	7	0.54	0.25	0.48
(1,3162)	2:B:6:GLU:HB2	2:B:7:GLU:H	7	0.53	0.13	0.6
(1,1663)	1:A:85:LYS:HG2	1:A:85:LYS:HE3	7	0.47	0.11	0.49
(1,1663)	1:A:85:LYS:HG3	1:A:85:LYS:HE3	7	0.47	0.11	0.49
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB2	7	0.46	0.28	0.43
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB1	7	0.46	0.28	0.43
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB3	7	0.46	0.28	0.43
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB2	7	0.46	0.28	0.43
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB1	7	0.46	0.28	0.43
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB3	7	0.46	0.28	0.43
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB2	7	0.46	0.28	0.43
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB1	7	0.46	0.28	0.43
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB3	7	0.46	0.28	0.43
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB2	7	0.46	0.28	0.43
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB1	7	0.46	0.28	0.43
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB3	7	0.46	0.28	0.43
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB2	7	0.46	0.28	0.43
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB1	7	0.46	0.28	0.43
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB3	7	0.46	0.28	0.43
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB2	7	0.46	0.28	0.43
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB1	7	0.46	0.28	0.43
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB3	7	0.46	0.28	0.43
(1,3163)	2:C:6:GLU:HB2	2:C:7:GLU:H	7	0.45	0.11	0.51
(1,1411)	1:A:116:GLU:HG3	1:A:151:ASN:H	7	0.44	0.16	0.43
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD22	7	0.43	0.19	0.43
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD21	7	0.43	0.19	0.43
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD23	7	0.43	0.19	0.43
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD22	7	0.43	0.19	0.43
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD21	7	0.43	0.19	0.43
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD23	7	0.43	0.19	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD22	7	0.43	0.19	0.43
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD21	7	0.43	0.19	0.43
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD23	7	0.43	0.19	0.43
(3,34)	1:A:149:LYS:N	1:A:116:GLU:O	7	0.42	0.16	0.4
(1,3421)	2:C:51:VAL:H	2:C:54:ILE:HG12	7	0.41	0.2	0.4
(1,85)	1:A:73:MET:HE2	1:A:73:MET:HA	7	0.39	0.13	0.37
(1,85)	1:A:73:MET:HE1	1:A:73:MET:HA	7	0.39	0.13	0.37
(1,85)	1:A:73:MET:HE3	1:A:73:MET:HA	7	0.39	0.13	0.37
(1,889)	1:A:130:LEU:HB3	1:A:130:LEU:H	7	0.35	0.14	0.34
(1,3139)	2:C:2:SER:H	2:C:3:ALA:H	7	0.3	0.12	0.3
(1,180)	1:A:132:LEU:HD12	1:A:96:ASP:HB2	7	0.29	0.14	0.24
(1,180)	1:A:132:LEU:HD11	1:A:96:ASP:HB2	7	0.29	0.14	0.24
(1,180)	1:A:132:LEU:HD13	1:A:96:ASP:HB2	7	0.29	0.14	0.24
(1,2781)	2:C:41:SER:HA	2:C:46:PHE:HE1	7	0.29	0.08	0.33
(1,2781)	2:C:41:SER:HA	2:C:46:PHE:HE2	7	0.29	0.08	0.33
(1,533)	1:A:114:ILE:HA	1:A:114:ILE:HG12	7	0.28	0.17	0.22
(1,101)	1:A:77:THR:HG21	1:A:87:SER:HB3	7	0.24	0.12	0.17
(1,101)	1:A:77:THR:HG22	1:A:87:SER:HB3	7	0.24	0.12	0.17
(1,101)	1:A:77:THR:HG23	1:A:87:SER:HB3	7	0.24	0.12	0.17
(1,261)	1:A:129:ASN:HB2	1:A:129:ASN:HD21	7	0.23	0.07	0.22
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG22	7	0.21	0.08	0.18
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG21	7	0.21	0.08	0.18
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG23	7	0.21	0.08	0.18
(1,1855)	2:C:16:PHE:HB2	2:C:16:PHE:H	7	0.19	0.05	0.21
(1,1854)	2:B:16:PHE:HB2	2:B:16:PHE:H	7	0.17	0.04	0.18
(1,1598)	1:A:128:ASP:HB2	1:A:128:ASP:H	7	0.15	0.03	0.15
(1,1598)	1:A:128:ASP:HB2	1:A:129:ASN:H	7	0.15	0.03	0.15
(1,1412)	1:A:151:ASN:HA	1:A:151:ASN:H	7	0.13	0.01	0.13
(1,3010)	2:B:5:LYS:HB2	2:B:5:LYS:H	7	0.12	0.0	0.12
(1,2389)	2:C:20:VAL:HG22	2:C:34:ASN:HD22	6	2.07	1.26	2.28
(1,2389)	2:C:20:VAL:HG21	2:C:34:ASN:HD22	6	2.07	1.26	2.28
(1,2389)	2:C:20:VAL:HG23	2:C:34:ASN:HD22	6	2.07	1.26	2.28
(1,73)	1:A:88:ILE:HG22	1:A:90:HIS:HE1	6	1.85	1.31	1.84
(1,73)	1:A:88:ILE:HG21	1:A:90:HIS:HE1	6	1.85	1.31	1.84
(1,73)	1:A:88:ILE:HG23	1:A:90:HIS:HE1	6	1.85	1.31	1.84
(1,48)	1:A:88:ILE:HD12	1:A:90:HIS:HE1	6	1.81	0.79	1.4
(1,48)	1:A:88:ILE:HD11	1:A:90:HIS:HE1	6	1.81	0.79	1.4
(1,48)	1:A:88:ILE:HD13	1:A:90:HIS:HE1	6	1.81	0.79	1.4
(1,704)	1:A:122:LYS:HE3	1:A:141:ASN:HD21	6	1.15	0.85	0.82
(1,3100)	2:B:23:LYS:HG3	2:B:23:LYS:H	6	1.01	0.34	1.14
(1,2146)	2:B:23:LYS:HE3	2:B:23:LYS:HG3	6	0.79	0.22	0.92
(1,3324)	2:B:27:GLU:HG3	2:B:27:GLU:H	6	0.68	0.28	0.77

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,8)	1:A:120:LEU:HD12	1:A:147:MET:HG3	6	0.68	0.3	0.71
(1,8)	1:A:120:LEU:HD11	1:A:147:MET:HG3	6	0.68	0.3	0.71
(1,8)	1:A:120:LEU:HD13	1:A:147:MET:HG3	6	0.68	0.3	0.71
(1,1041)	1:A:108:GLU:HG3	1:A:108:GLU:H	6	0.65	0.36	0.72
(1,2179)	2:C:9:ALA:HA	2:C:12:ILE:HD12	6	0.61	0.19	0.68
(1,2179)	2:C:9:ALA:HA	2:C:12:ILE:HD11	6	0.61	0.19	0.68
(1,2179)	2:C:9:ALA:HA	2:C:12:ILE:HD13	6	0.61	0.19	0.68
(1,1614)	1:A:90:HIS:HB2	1:A:76:LEU:HD12	6	0.56	0.18	0.54
(1,1614)	1:A:90:HIS:HB2	1:A:76:LEU:HD11	6	0.56	0.18	0.54
(1,1614)	1:A:90:HIS:HB2	1:A:76:LEU:HD13	6	0.56	0.18	0.54
(1,1614)	1:A:147:MET:HG2	1:A:146:VAL:HG22	6	0.56	0.18	0.54
(1,1614)	1:A:147:MET:HG2	1:A:146:VAL:HG21	6	0.56	0.18	0.54
(1,1614)	1:A:147:MET:HG2	1:A:146:VAL:HG23	6	0.56	0.18	0.54
(1,1614)	1:A:150:PRO:HB2	1:A:148:ILE:HG22	6	0.56	0.18	0.54
(1,1614)	1:A:150:PRO:HB2	1:A:148:ILE:HG21	6	0.56	0.18	0.54
(1,1614)	1:A:150:PRO:HB2	1:A:148:ILE:HG23	6	0.56	0.18	0.54
(1,1614)	1:A:150:PRO:HB2	1:A:152:LEU:HD12	6	0.56	0.18	0.54
(1,1614)	1:A:150:PRO:HB2	1:A:152:LEU:HD11	6	0.56	0.18	0.54
(1,1614)	1:A:150:PRO:HB2	1:A:152:LEU:HD13	6	0.56	0.18	0.54
(1,655)	1:A:81:ILE:HG12	1:A:145:THR:HA	6	0.56	0.31	0.53
(1,2039)	2:C:5:LYS:HB3	2:C:44:PHE:HZ	6	0.52	0.23	0.46
(1,1419)	1:A:107:SER:HB3	1:A:108:GLU:H	6	0.44	0.09	0.45
(1,749)	1:A:124:LYS:HG2	1:A:125:VAL:HA	6	0.4	0.27	0.34
(1,3935)	2:C:55:LEU:HD12	2:C:6:GLU:HB2	6	0.36	0.19	0.3
(1,3935)	2:C:55:LEU:HD11	2:C:6:GLU:HB2	6	0.36	0.19	0.3
(1,3935)	2:C:55:LEU:HD13	2:C:6:GLU:HB2	6	0.36	0.19	0.3
(1,3935)	2:C:55:LEU:HD12	2:C:7:GLU:HG2	6	0.36	0.19	0.3
(1,3935)	2:C:55:LEU:HD11	2:C:7:GLU:HG2	6	0.36	0.19	0.3
(1,3935)	2:C:55:LEU:HD13	2:C:7:GLU:HG2	6	0.36	0.19	0.3
(1,3252)	2:B:21:GLU:HB3	2:B:21:GLU:H	6	0.35	0.14	0.34
(1,2409)	2:C:19:ILE:HG22	2:B:44:PHE:HZ	6	0.35	0.25	0.24
(1,2409)	2:C:19:ILE:HG21	2:B:44:PHE:HZ	6	0.35	0.25	0.24
(1,2409)	2:C:19:ILE:HG23	2:B:44:PHE:HZ	6	0.35	0.25	0.24
(1,201)	1:A:144:ILE:HG22	1:A:120:LEU:H	6	0.34	0.15	0.29
(1,201)	1:A:144:ILE:HG21	1:A:120:LEU:H	6	0.34	0.15	0.29
(1,201)	1:A:144:ILE:HG23	1:A:120:LEU:H	6	0.34	0.15	0.29
(1,958)	1:A:121:LEU:H	1:A:126:LEU:HB3	6	0.33	0.24	0.22
(1,2564)	2:B:33:LEU:HD12	2:B:19:ILE:HG22	6	0.32	0.08	0.36
(1,2564)	2:B:33:LEU:HD12	2:B:19:ILE:HG21	6	0.32	0.08	0.36
(1,2564)	2:B:33:LEU:HD12	2:B:19:ILE:HG23	6	0.32	0.08	0.36
(1,2564)	2:B:33:LEU:HD11	2:B:19:ILE:HG22	6	0.32	0.08	0.36
(1,2564)	2:B:33:LEU:HD11	2:B:19:ILE:HG21	6	0.32	0.08	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2564)	2:B:33:LEU:HD11	2:B:19:ILE:HG23	6	0.32	0.08	0.36
(1,2564)	2:B:33:LEU:HD13	2:B:19:ILE:HG22	6	0.32	0.08	0.36
(1,2564)	2:B:33:LEU:HD13	2:B:19:ILE:HG21	6	0.32	0.08	0.36
(1,2564)	2:B:33:LEU:HD13	2:B:19:ILE:HG23	6	0.32	0.08	0.36
(1,2957)	2:C:16:PHE:HE1	2:B:12:ILE:HD12	6	0.3	0.15	0.3
(1,2957)	2:C:16:PHE:HE1	2:B:12:ILE:HD11	6	0.3	0.15	0.3
(1,2957)	2:C:16:PHE:HE1	2:B:12:ILE:HD13	6	0.3	0.15	0.3
(1,2957)	2:C:16:PHE:HE2	2:B:12:ILE:HD12	6	0.3	0.15	0.3
(1,2957)	2:C:16:PHE:HE2	2:B:12:ILE:HD11	6	0.3	0.15	0.3
(1,2957)	2:C:16:PHE:HE2	2:B:12:ILE:HD13	6	0.3	0.15	0.3
(1,1287)	1:A:127:HIS:H	1:A:130:LEU:HD22	6	0.3	0.08	0.27
(1,1287)	1:A:127:HIS:H	1:A:130:LEU:HD21	6	0.3	0.08	0.27
(1,1287)	1:A:127:HIS:H	1:A:130:LEU:HD23	6	0.3	0.08	0.27
(1,1449)	1:A:78:LEU:HD12	1:A:90:HIS:H	6	0.29	0.11	0.28
(1,1449)	1:A:78:LEU:HD11	1:A:90:HIS:H	6	0.29	0.11	0.28
(1,1449)	1:A:78:LEU:HD13	1:A:90:HIS:H	6	0.29	0.11	0.28
(1,1449)	1:A:135:LEU:HD12	1:A:131:PHE:H	6	0.29	0.11	0.28
(1,1449)	1:A:135:LEU:HD11	1:A:131:PHE:H	6	0.29	0.11	0.28
(1,1449)	1:A:135:LEU:HD13	1:A:131:PHE:H	6	0.29	0.11	0.28
(1,2694)	2:B:54:ILE:HG22	2:B:46:PHE:HB2	6	0.28	0.12	0.24
(1,2694)	2:B:54:ILE:HG21	2:B:46:PHE:HB2	6	0.28	0.12	0.24
(1,2694)	2:B:54:ILE:HG23	2:B:46:PHE:HB2	6	0.28	0.12	0.24
(1,2950)	2:B:60:PHE:HD1	2:B:54:ILE:HB	6	0.28	0.17	0.24
(1,2950)	2:B:60:PHE:HD2	2:B:54:ILE:HB	6	0.28	0.17	0.24
(1,2962)	2:B:48:ARG:HG3	2:B:48:ARG:H	6	0.27	0.05	0.28
(1,3107)	2:C:51:VAL:HG22	2:C:52:SER:H	6	0.25	0.04	0.27
(1,3107)	2:C:51:VAL:HG21	2:C:52:SER:H	6	0.25	0.04	0.27
(1,3107)	2:C:51:VAL:HG23	2:C:52:SER:H	6	0.25	0.04	0.27
(1,80)	1:A:148:ILE:HG22	1:A:112:SER:HA	6	0.24	0.11	0.24
(1,80)	1:A:148:ILE:HG21	1:A:112:SER:HA	6	0.24	0.11	0.24
(1,80)	1:A:148:ILE:HG23	1:A:112:SER:HA	6	0.24	0.11	0.24
(1,113)	1:A:77:THR:HG21	1:A:88:ILE:H	6	0.2	0.06	0.2
(1,113)	1:A:77:THR:HG22	1:A:88:ILE:H	6	0.2	0.06	0.2
(1,113)	1:A:77:THR:HG23	1:A:88:ILE:H	6	0.2	0.06	0.2
(1,209)	1:A:151:ASN:HB3	1:A:151:ASN:HD21	6	0.19	0.06	0.18
(1,661)	1:A:76:LEU:HD22	1:A:76:LEU:HA	6	0.19	0.03	0.2
(1,661)	1:A:76:LEU:HD21	1:A:76:LEU:HA	6	0.19	0.03	0.2
(1,661)	1:A:76:LEU:HD23	1:A:76:LEU:HA	6	0.19	0.03	0.2
(1,2152)	2:B:48:ARG:HD3	2:B:48:ARG:HB3	6	0.19	0.05	0.17
(1,1270)	1:A:108:GLU:H	1:A:106:ILE:HG22	6	0.14	0.03	0.14
(1,1270)	1:A:108:GLU:H	1:A:106:ILE:HG21	6	0.14	0.03	0.14
(1,1270)	1:A:108:GLU:H	1:A:106:ILE:HG23	6	0.14	0.03	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3011)	2:C:5:LYS:HB2	2:C:5:LYS:H	6	0.13	0.01	0.12
(1,2786)	2:B:20:VAL:HG12	2:B:34:ASN:HD22	5	1.84	0.32	2.02
(1,2786)	2:B:20:VAL:HG11	2:B:34:ASN:HD22	5	1.84	0.32	2.02
(1,2786)	2:B:20:VAL:HG13	2:B:34:ASN:HD22	5	1.84	0.32	2.02
(1,707)	1:A:122:LYS:HE3	1:A:143:THR:HG21	5	1.78	1.09	1.71
(1,707)	1:A:122:LYS:HE3	1:A:143:THR:HG22	5	1.78	1.09	1.71
(1,707)	1:A:122:LYS:HE3	1:A:143:THR:HG23	5	1.78	1.09	1.71
(1,3101)	2:C:23:LYS:HG3	2:C:23:LYS:H	5	1.18	0.05	1.19
(1,3325)	2:C:27:GLU:HG3	2:C:27:GLU:H	5	0.99	0.28	0.89
(1,695)	1:A:79:LYS:HE3	1:A:81:ILE:HB	5	0.7	0.21	0.75
(1,2693)	2:C:50:ALA:HB2	2:C:47:GLU:HB2	5	0.69	0.33	0.69
(1,2693)	2:C:50:ALA:HB1	2:C:47:GLU:HB2	5	0.69	0.33	0.69
(1,2693)	2:C:50:ALA:HB3	2:C:47:GLU:HB2	5	0.69	0.33	0.69
(1,2210)	2:B:22:LYS:HA	2:B:24:GLU:HB2	5	0.63	0.16	0.7
(1,2115)	2:C:13:VAL:HG22	2:C:48:ARG:HG2	5	0.58	0.36	0.83
(1,2115)	2:C:13:VAL:HG21	2:C:48:ARG:HG2	5	0.58	0.36	0.83
(1,2115)	2:C:13:VAL:HG23	2:C:48:ARG:HG2	5	0.58	0.36	0.83
(1,3222)	2:B:17:SER:HB3	2:B:17:SER:H	5	0.57	0.01	0.57
(1,3223)	2:C:17:SER:HB3	2:C:17:SER:H	5	0.56	0.01	0.56
(1,2500)	2:B:25:ILE:HG22	2:B:20:VAL:HB	5	0.55	0.14	0.63
(1,2500)	2:B:25:ILE:HG21	2:B:20:VAL:HB	5	0.55	0.14	0.63
(1,2500)	2:B:25:ILE:HG23	2:B:20:VAL:HB	5	0.55	0.14	0.63
(1,734)	1:A:87:SER:HA	1:A:79:LYS:HD3	5	0.55	0.19	0.47
(1,247)	1:A:103:GLN:HG2	1:A:100:GLN:HE22	5	0.53	0.25	0.59
(1,2044)	2:B:5:LYS:HD2	2:B:44:PHE:HZ	5	0.5	0.19	0.44
(1,1545)	1:A:135:LEU:HA	1:A:124:LYS:HE3	5	0.46	0.25	0.49
(1,1545)	1:A:135:LEU:HA	1:A:134:ASP:HB2	5	0.46	0.25	0.49
(1,1545)	1:A:136:LYS:HA	1:A:136:LYS:HE3	5	0.46	0.25	0.49
(1,2498)	2:B:25:ILE:HG22	2:B:20:VAL:HG12	5	0.45	0.14	0.39
(1,2498)	2:B:25:ILE:HG22	2:B:20:VAL:HG11	5	0.45	0.14	0.39
(1,2498)	2:B:25:ILE:HG22	2:B:20:VAL:HG13	5	0.45	0.14	0.39
(1,2498)	2:B:25:ILE:HG21	2:B:20:VAL:HG12	5	0.45	0.14	0.39
(1,2498)	2:B:25:ILE:HG21	2:B:20:VAL:HG11	5	0.45	0.14	0.39
(1,2498)	2:B:25:ILE:HG21	2:B:20:VAL:HG13	5	0.45	0.14	0.39
(1,2498)	2:B:25:ILE:HG23	2:B:20:VAL:HG12	5	0.45	0.14	0.39
(1,2498)	2:B:25:ILE:HG23	2:B:20:VAL:HG11	5	0.45	0.14	0.39
(1,2498)	2:B:25:ILE:HG23	2:B:20:VAL:HG13	5	0.45	0.14	0.39
(1,3049)	2:C:50:ALA:H	2:C:13:VAL:HG12	5	0.44	0.2	0.36
(1,3049)	2:C:50:ALA:H	2:C:13:VAL:HG11	5	0.44	0.2	0.36
(1,3049)	2:C:50:ALA:H	2:C:13:VAL:HG13	5	0.44	0.2	0.36
(1,1423)	1:A:119:LEU:HD22	1:A:117:ILE:HB	5	0.42	0.29	0.34
(1,1423)	1:A:119:LEU:HD21	1:A:117:ILE:HB	5	0.42	0.29	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1423)	1:A:119:LEU:HD23	1:A:117:ILE:HB	5	0.42	0.29	0.34
(1,1423)	1:A:119:LEU:HD22	1:A:118:LYS:HB2	5	0.42	0.29	0.34
(1,1423)	1:A:119:LEU:HD21	1:A:118:LYS:HB2	5	0.42	0.29	0.34
(1,1423)	1:A:119:LEU:HD23	1:A:118:LYS:HB2	5	0.42	0.29	0.34
(1,1423)	1:A:119:LEU:HD22	1:A:126:LEU:HB3	5	0.42	0.29	0.34
(1,1423)	1:A:119:LEU:HD21	1:A:126:LEU:HB3	5	0.42	0.29	0.34
(1,1423)	1:A:119:LEU:HD23	1:A:126:LEU:HB3	5	0.42	0.29	0.34
(1,1211)	1:A:81:ILE:H	1:A:82:GLN:HG2	5	0.38	0.22	0.46
(1,1350)	1:A:141:ASN:HB3	1:A:141:ASN:HD21	5	0.38	0.14	0.42
(1,785)	1:A:122:LYS:HD3	1:A:121:LEU:HD12	5	0.38	0.35	0.21
(1,785)	1:A:122:LYS:HD3	1:A:121:LEU:HD11	5	0.38	0.35	0.21
(1,785)	1:A:122:LYS:HD3	1:A:121:LEU:HD13	5	0.38	0.35	0.21
(1,2408)	2:B:19:ILE:HG22	2:C:44:PHE:HZ	5	0.37	0.12	0.42
(1,2408)	2:B:19:ILE:HG21	2:C:44:PHE:HZ	5	0.37	0.12	0.42
(1,2408)	2:B:19:ILE:HG23	2:C:44:PHE:HZ	5	0.37	0.12	0.42
(1,1392)	1:A:144:ILE:HG12	1:A:144:ILE:H	5	0.35	0.16	0.28
(1,1417)	1:A:73:MET:HB3	1:A:74:VAL:H	5	0.34	0.23	0.16
(1,2208)	2:B:23:LYS:HD2	2:B:23:LYS:HA	5	0.33	0.06	0.32
(1,2208)	2:B:23:LYS:HD3	2:B:23:LYS:HA	5	0.33	0.06	0.32
(1,2638)	2:B:35:VAL:HG22	2:B:37:MET:HB3	5	0.33	0.3	0.17
(1,2638)	2:B:35:VAL:HG21	2:B:37:MET:HB3	5	0.33	0.3	0.17
(1,2638)	2:B:35:VAL:HG23	2:B:37:MET:HB3	5	0.33	0.3	0.17
(1,3552)	2:B:25:ILE:HD12	2:B:24:GLU:HB3	5	0.32	0.12	0.33
(1,3552)	2:B:25:ILE:HD11	2:B:24:GLU:HB3	5	0.32	0.12	0.33
(1,3552)	2:B:25:ILE:HD13	2:B:24:GLU:HB3	5	0.32	0.12	0.33
(1,3552)	2:B:25:ILE:HD12	2:B:20:VAL:HB	5	0.32	0.12	0.33
(1,3552)	2:B:25:ILE:HD11	2:B:20:VAL:HB	5	0.32	0.12	0.33
(1,3552)	2:B:25:ILE:HD13	2:B:20:VAL:HB	5	0.32	0.12	0.33
(1,3553)	2:C:25:ILE:HD12	2:C:24:GLU:HB3	5	0.32	0.15	0.28
(1,3553)	2:C:25:ILE:HD11	2:C:24:GLU:HB3	5	0.32	0.15	0.28
(1,3553)	2:C:25:ILE:HD13	2:C:24:GLU:HB3	5	0.32	0.15	0.28
(1,3553)	2:C:25:ILE:HD12	2:C:20:VAL:HB	5	0.32	0.15	0.28
(1,3553)	2:C:25:ILE:HD11	2:C:20:VAL:HB	5	0.32	0.15	0.28
(1,3553)	2:C:25:ILE:HD13	2:C:20:VAL:HB	5	0.32	0.15	0.28
(1,235)	1:A:118:LYS:HB3	1:A:118:LYS:HE3	5	0.31	0.09	0.29
(1,2884)	2:B:6:GLU:HG2	2:B:54:ILE:HG22	5	0.31	0.13	0.37
(1,2884)	2:B:6:GLU:HG2	2:B:54:ILE:HG21	5	0.31	0.13	0.37
(1,2884)	2:B:6:GLU:HG2	2:B:54:ILE:HG23	5	0.31	0.13	0.37
(1,2483)	2:C:25:ILE:HB	2:C:19:ILE:HG22	5	0.31	0.09	0.33
(1,2483)	2:C:25:ILE:HB	2:C:19:ILE:HG21	5	0.31	0.09	0.33
(1,2483)	2:C:25:ILE:HB	2:C:19:ILE:HG23	5	0.31	0.09	0.33
(1,2501)	2:C:25:ILE:HG22	2:C:20:VAL:HB	5	0.3	0.17	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2501)	2:C:25:ILE:HG21	2:C:20:VAL:HB	5	0.3	0.17	0.25
(1,2501)	2:C:25:ILE:HG23	2:C:20:VAL:HB	5	0.3	0.17	0.25
(1,2209)	2:C:23:LYS:HD2	2:C:23:LYS:HA	5	0.29	0.15	0.32
(1,2209)	2:C:23:LYS:HD3	2:C:23:LYS:HA	5	0.29	0.15	0.32
(1,3253)	2:C:21:GLU:HB3	2:C:21:GLU:H	5	0.29	0.08	0.26
(1,147)	1:A:132:LEU:HD22	1:A:98:ILE:H	5	0.29	0.23	0.17
(1,147)	1:A:132:LEU:HD21	1:A:98:ILE:H	5	0.29	0.23	0.17
(1,147)	1:A:132:LEU:HD23	1:A:98:ILE:H	5	0.29	0.23	0.17
(1,3197)	2:C:14:ASN:H	2:C:48:ARG:HA	5	0.28	0.17	0.21
(1,2743)	2:C:29:GLY:HA2	2:B:43:ALA:HB2	5	0.25	0.09	0.23
(1,2743)	2:C:29:GLY:HA2	2:B:43:ALA:HB1	5	0.25	0.09	0.23
(1,2743)	2:C:29:GLY:HA2	2:B:43:ALA:HB3	5	0.25	0.09	0.23
(1,418)	1:A:136:LYS:HG2	1:A:136:LYS:H	5	0.25	0.07	0.25
(1,1114)	1:A:114:ILE:H	1:A:114:ILE:HG22	5	0.23	0.09	0.22
(1,1114)	1:A:114:ILE:H	1:A:114:ILE:HG21	5	0.23	0.09	0.22
(1,1114)	1:A:114:ILE:H	1:A:114:ILE:HG23	5	0.23	0.09	0.22
(1,3780)	2:B:13:VAL:HG22	2:B:16:PHE:HE1	5	0.21	0.07	0.22
(1,3780)	2:B:13:VAL:HG22	2:B:16:PHE:HE2	5	0.21	0.07	0.22
(1,3780)	2:B:13:VAL:HG21	2:B:16:PHE:HE1	5	0.21	0.07	0.22
(1,3780)	2:B:13:VAL:HG21	2:B:16:PHE:HE2	5	0.21	0.07	0.22
(1,3780)	2:B:13:VAL:HG23	2:B:16:PHE:HE1	5	0.21	0.07	0.22
(1,3780)	2:B:13:VAL:HG23	2:B:16:PHE:HE2	5	0.21	0.07	0.22
(1,3780)	2:B:13:VAL:HG22	2:C:16:PHE:HE1	5	0.21	0.07	0.22
(1,3780)	2:B:13:VAL:HG22	2:C:16:PHE:HE2	5	0.21	0.07	0.22
(1,3780)	2:B:13:VAL:HG21	2:C:16:PHE:HE1	5	0.21	0.07	0.22
(1,3780)	2:B:13:VAL:HG21	2:C:16:PHE:HE2	5	0.21	0.07	0.22
(1,3780)	2:B:13:VAL:HG23	2:C:16:PHE:HE1	5	0.21	0.07	0.22
(1,3780)	2:B:13:VAL:HG23	2:C:16:PHE:HE2	5	0.21	0.07	0.22
(1,2790)	2:B:33:LEU:HD12	2:B:19:ILE:HB	5	0.2	0.04	0.19
(1,2790)	2:B:33:LEU:HD11	2:B:19:ILE:HB	5	0.2	0.04	0.19
(1,2790)	2:B:33:LEU:HD13	2:B:19:ILE:HB	5	0.2	0.04	0.19
(1,3638)	2:B:55:LEU:HB2	2:B:55:LEU:H	5	0.19	0.02	0.2
(1,3638)	2:B:55:LEU:HB2	2:B:56:GLY:H	5	0.19	0.02	0.2
(1,2538)	2:B:12:ILE:HG22	2:B:12:ILE:HG13	5	0.16	0.02	0.17
(1,2538)	2:B:12:ILE:HG21	2:B:12:ILE:HG13	5	0.16	0.02	0.17
(1,2538)	2:B:12:ILE:HG23	2:B:12:ILE:HG13	5	0.16	0.02	0.17
(1,2787)	2:C:20:VAL:HG12	2:C:34:ASN:HD22	4	1.7	0.44	1.95
(1,2787)	2:C:20:VAL:HG11	2:C:34:ASN:HD22	4	1.7	0.44	1.95
(1,2787)	2:C:20:VAL:HG13	2:C:34:ASN:HD22	4	1.7	0.44	1.95
(1,2891)	2:C:21:GLU:HA	2:C:23:LYS:HE3	4	1.52	0.23	1.58
(1,2890)	2:B:21:GLU:HA	2:B:23:LYS:HE3	4	1.52	0.51	1.66
(1,1351)	1:A:141:ASN:HD21	1:A:121:LEU:HG	4	1.06	0.68	1.09

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,610)	1:A:108:GLU:HG3	1:A:107:SER:HB3	4	0.78	0.51	0.73
(1,3133)	2:C:1:ASP:H	2:C:2:SER:H	4	0.75	0.03	0.74
(1,2521)	2:C:51:VAL:HA	2:C:54:ILE:HD12	4	0.75	0.9	0.29
(1,2521)	2:C:51:VAL:HA	2:C:54:ILE:HD11	4	0.75	0.9	0.29
(1,2521)	2:C:51:VAL:HA	2:C:54:ILE:HD13	4	0.75	0.9	0.29
(1,58)	1:A:114:ILE:HD12	1:A:99:LEU:HA	4	0.74	0.42	0.54
(1,58)	1:A:114:ILE:HD11	1:A:99:LEU:HA	4	0.74	0.42	0.54
(1,58)	1:A:114:ILE:HD13	1:A:99:LEU:HA	4	0.74	0.42	0.54
(1,725)	1:A:148:ILE:HD12	1:A:80:LYS:HD3	4	0.7	0.36	0.71
(1,725)	1:A:148:ILE:HD11	1:A:80:LYS:HD3	4	0.7	0.36	0.71
(1,725)	1:A:148:ILE:HD13	1:A:80:LYS:HD3	4	0.7	0.36	0.71
(1,686)	1:A:122:LYS:HA	1:A:122:LYS:HD3	4	0.68	0.69	0.35
(1,3545)	2:C:51:VAL:HG22	2:C:47:GLU:HB2	4	0.65	0.12	0.64
(1,3545)	2:C:51:VAL:HG21	2:C:47:GLU:HB2	4	0.65	0.12	0.64
(1,3545)	2:C:51:VAL:HG23	2:C:47:GLU:HB2	4	0.65	0.12	0.64
(1,3545)	2:C:51:VAL:HG22	2:C:48:ARG:HB3	4	0.65	0.12	0.64
(1,3545)	2:C:51:VAL:HG21	2:C:48:ARG:HB3	4	0.65	0.12	0.64
(1,3545)	2:C:51:VAL:HG23	2:C:48:ARG:HB3	4	0.65	0.12	0.64
(1,1670)	1:A:124:LYS:HE3	1:A:126:LEU:HA	4	0.62	0.2	0.68
(1,1670)	1:A:135:LEU:HA	1:A:124:LYS:HE3	4	0.62	0.2	0.68
(1,1670)	1:A:136:LYS:HE3	1:A:133:SER:HA	4	0.62	0.2	0.68
(1,1670)	1:A:136:LYS:HA	1:A:136:LYS:HE3	4	0.62	0.2	0.68
(1,2692)	2:B:50:ALA:HB2	2:B:47:GLU:HB2	4	0.59	0.55	0.29
(1,2692)	2:B:50:ALA:HB1	2:B:47:GLU:HB2	4	0.59	0.55	0.29
(1,2692)	2:B:50:ALA:HB3	2:B:47:GLU:HB2	4	0.59	0.55	0.29
(1,2357)	2:C:49:GLU:HG2	2:C:49:GLU:H	4	0.54	0.27	0.54
(1,3048)	2:B:50:ALA:H	2:B:13:VAL:HG12	4	0.46	0.21	0.49
(1,3048)	2:B:50:ALA:H	2:B:13:VAL:HG11	4	0.46	0.21	0.49
(1,3048)	2:B:50:ALA:H	2:B:13:VAL:HG13	4	0.46	0.21	0.49
(1,3621)	2:C:40:ILE:HA	2:C:36:ALA:HB2	4	0.44	0.19	0.5
(1,3621)	2:C:40:ILE:HA	2:C:36:ALA:HB1	4	0.44	0.19	0.5
(1,3621)	2:C:40:ILE:HA	2:C:36:ALA:HB3	4	0.44	0.19	0.5
(1,3621)	2:C:40:ILE:HA	2:B:36:ALA:HB2	4	0.44	0.19	0.5
(1,3621)	2:C:40:ILE:HA	2:B:36:ALA:HB1	4	0.44	0.19	0.5
(1,3621)	2:C:40:ILE:HA	2:B:36:ALA:HB3	4	0.44	0.19	0.5
(1,3643)	2:C:68:ILE:HB	2:C:71:SER:H	4	0.43	0.22	0.45
(1,3643)	2:C:68:ILE:HB	2:B:54:ILE:H	4	0.43	0.22	0.45
(1,1809)	1:A:103:GLN:HE22	1:A:99:LEU:HD12	4	0.43	0.25	0.38
(1,1809)	1:A:103:GLN:HE22	1:A:99:LEU:HD11	4	0.43	0.25	0.38
(1,1809)	1:A:103:GLN:HE22	1:A:99:LEU:HD13	4	0.43	0.25	0.38
(1,1809)	1:A:103:GLN:HE22	1:A:114:ILE:HG22	4	0.43	0.25	0.38
(1,1809)	1:A:103:GLN:HE22	1:A:114:ILE:HG21	4	0.43	0.25	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1809)	1:A:103:GLN:HE22	1:A:114:ILE:HG23	4	0.43	0.25	0.38
(1,177)	1:A:132:LEU:HD22	1:A:97:THR:HA	4	0.42	0.36	0.24
(1,177)	1:A:132:LEU:HD21	1:A:97:THR:HA	4	0.42	0.36	0.24
(1,177)	1:A:132:LEU:HD23	1:A:97:THR:HA	4	0.42	0.36	0.24
(1,2422)	2:B:25:ILE:HD12	2:C:44:PHE:HZ	4	0.39	0.18	0.36
(1,2422)	2:B:25:ILE:HD11	2:C:44:PHE:HZ	4	0.39	0.18	0.36
(1,2422)	2:B:25:ILE:HD13	2:C:44:PHE:HZ	4	0.39	0.18	0.36
(1,1857)	2:C:16:PHE:HB3	2:C:37:MET:HE2	4	0.36	0.13	0.38
(1,1857)	2:C:16:PHE:HB3	2:C:37:MET:HE1	4	0.36	0.13	0.38
(1,1857)	2:C:16:PHE:HB3	2:C:37:MET:HE3	4	0.36	0.13	0.38
(1,769)	1:A:132:LEU:HA	1:A:135:LEU:HD12	4	0.32	0.14	0.32
(1,769)	1:A:132:LEU:HA	1:A:135:LEU:HD11	4	0.32	0.14	0.32
(1,769)	1:A:132:LEU:HA	1:A:135:LEU:HD13	4	0.32	0.14	0.32
(1,3874)	2:B:15:TYR:HA	2:B:12:ILE:HD12	4	0.32	0.12	0.3
(1,3874)	2:B:15:TYR:HA	2:B:12:ILE:HD11	4	0.32	0.12	0.3
(1,3874)	2:B:15:TYR:HA	2:B:12:ILE:HD13	4	0.32	0.12	0.3
(1,3874)	2:B:15:TYR:HA	2:C:12:ILE:HD12	4	0.32	0.12	0.3
(1,3874)	2:B:15:TYR:HA	2:C:12:ILE:HD11	4	0.32	0.12	0.3
(1,3874)	2:B:15:TYR:HA	2:C:12:ILE:HD13	4	0.32	0.12	0.3
(1,4085)	2:C:14:ASN:H	2:C:12:ILE:HG22	4	0.29	0.11	0.29
(1,4085)	2:C:14:ASN:H	2:C:12:ILE:HG21	4	0.29	0.11	0.29
(1,4085)	2:C:14:ASN:H	2:C:12:ILE:HG23	4	0.29	0.11	0.29
(1,4085)	2:C:55:LEU:HD22	2:C:14:ASN:H	4	0.29	0.11	0.29
(1,4085)	2:C:55:LEU:HD21	2:C:14:ASN:H	4	0.29	0.11	0.29
(1,4085)	2:C:55:LEU:HD23	2:C:14:ASN:H	4	0.29	0.11	0.29
(1,3138)	2:B:2:SER:H	2:B:3:ALA:H	4	0.28	0.1	0.27
(1,2535)	2:C:36:ALA:HB2	2:B:40:ILE:HG13	4	0.27	0.1	0.28
(1,2535)	2:C:36:ALA:HB1	2:B:40:ILE:HG13	4	0.27	0.1	0.28
(1,2535)	2:C:36:ALA:HB3	2:B:40:ILE:HG13	4	0.27	0.1	0.28
(1,3877)	2:C:13:VAL:HA	2:C:37:MET:HB2	4	0.27	0.1	0.29
(1,3877)	2:C:13:VAL:HA	2:C:37:MET:HG2	4	0.27	0.1	0.29
(1,2946)	2:B:44:PHE:HB2	2:B:46:PHE:HE1	4	0.27	0.11	0.28
(1,2946)	2:B:44:PHE:HB2	2:B:46:PHE:HE2	4	0.27	0.11	0.28
(1,1133)	1:A:126:LEU:HD12	1:A:126:LEU:H	4	0.26	0.2	0.15
(1,1133)	1:A:126:LEU:HD11	1:A:126:LEU:H	4	0.26	0.2	0.15
(1,1133)	1:A:126:LEU:HD13	1:A:126:LEU:H	4	0.26	0.2	0.15
(1,738)	1:A:115:SER:HA	1:A:114:ILE:HG13	4	0.26	0.18	0.17
(1,2947)	2:C:44:PHE:HB2	2:C:46:PHE:HE1	4	0.25	0.08	0.21
(1,2947)	2:C:44:PHE:HB2	2:C:46:PHE:HE2	4	0.25	0.08	0.21
(1,3815)	2:C:5:LYS:HG2	2:C:5:LYS:H	4	0.25	0.15	0.19
(1,3815)	2:C:5:LYS:HG2	2:C:6:GLU:H	4	0.25	0.15	0.19
(1,2153)	2:C:48:ARG:HD3	2:C:48:ARG:HB3	4	0.25	0.04	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3175)	2:C:7:GLU:H	2:C:4:SER:HB3	4	0.24	0.12	0.21
(1,1856)	2:B:16:PHE:HB3	2:B:37:MET:HE2	4	0.24	0.04	0.24
(1,1856)	2:B:16:PHE:HB3	2:B:37:MET:HE1	4	0.24	0.04	0.24
(1,1856)	2:B:16:PHE:HB3	2:B:37:MET:HE3	4	0.24	0.04	0.24
(1,867)	1:A:145:THR:HG21	1:A:145:THR:H	4	0.24	0.07	0.27
(1,867)	1:A:145:THR:HG22	1:A:145:THR:H	4	0.24	0.07	0.27
(1,867)	1:A:145:THR:HG23	1:A:145:THR:H	4	0.24	0.07	0.27
(1,1632)	1:A:147:MET:HG3	1:A:118:LYS:HB3	4	0.24	0.1	0.24
(1,1632)	1:A:147:MET:HG3	1:A:120:LEU:HB2	4	0.24	0.1	0.24
(1,1632)	1:A:147:MET:HG3	1:A:120:LEU:HG	4	0.24	0.1	0.24
(3,89)	2:B:38:ASP:H	2:B:34:ASN:O	4	0.24	0.13	0.18
(1,44)	1:A:88:ILE:HD12	1:A:78:LEU:HB3	4	0.23	0.1	0.18
(1,44)	1:A:88:ILE:HD11	1:A:78:LEU:HB3	4	0.23	0.1	0.18
(1,44)	1:A:88:ILE:HD13	1:A:78:LEU:HB3	4	0.23	0.1	0.18
(1,3174)	2:B:7:GLU:H	2:B:4:SER:HB3	4	0.22	0.11	0.2
(1,2356)	2:B:49:GLU:HG2	2:B:49:GLU:H	4	0.22	0.08	0.18
(1,3158)	2:B:42:GLU:HB3	2:B:42:GLU:H	4	0.22	0.04	0.23
(1,281)	1:A:120:LEU:HB2	1:A:145:THR:HB	4	0.21	0.08	0.2
(1,585)	1:A:91:ASP:HB3	1:A:92:PHE:HA	4	0.21	0.02	0.21
(1,2963)	2:C:48:ARG:HG3	2:C:48:ARG:H	4	0.21	0.06	0.22
(1,1476)	1:A:85:LYS:HB2	1:A:85:LYS:HE3	4	0.2	0.09	0.18
(1,1476)	1:A:149:LYS:HB2	1:A:149:LYS:HE3	4	0.2	0.09	0.18
(1,2183)	2:C:9:ALA:HA	2:C:40:ILE:HG22	4	0.2	0.04	0.22
(1,2183)	2:C:9:ALA:HA	2:C:40:ILE:HG21	4	0.2	0.04	0.22
(1,2183)	2:C:9:ALA:HA	2:C:40:ILE:HG23	4	0.2	0.04	0.22
(1,2565)	2:C:33:LEU:HD12	2:C:19:ILE:HG22	4	0.19	0.04	0.21
(1,2565)	2:C:33:LEU:HD12	2:C:19:ILE:HG21	4	0.19	0.04	0.21
(1,2565)	2:C:33:LEU:HD12	2:C:19:ILE:HG23	4	0.19	0.04	0.21
(1,2565)	2:C:33:LEU:HD11	2:C:19:ILE:HG22	4	0.19	0.04	0.21
(1,2565)	2:C:33:LEU:HD11	2:C:19:ILE:HG21	4	0.19	0.04	0.21
(1,2565)	2:C:33:LEU:HD11	2:C:19:ILE:HG23	4	0.19	0.04	0.21
(1,2565)	2:C:33:LEU:HD13	2:C:19:ILE:HG22	4	0.19	0.04	0.21
(1,2565)	2:C:33:LEU:HD13	2:C:19:ILE:HG21	4	0.19	0.04	0.21
(1,2565)	2:C:33:LEU:HD13	2:C:19:ILE:HG23	4	0.19	0.04	0.21
(1,4084)	2:B:14:ASN:H	2:B:12:ILE:HG22	4	0.19	0.06	0.17
(1,4084)	2:B:14:ASN:H	2:B:12:ILE:HG21	4	0.19	0.06	0.17
(1,4084)	2:B:14:ASN:H	2:B:12:ILE:HG23	4	0.19	0.06	0.17
(1,4084)	2:B:55:LEU:HD22	2:B:14:ASN:H	4	0.19	0.06	0.17
(1,4084)	2:B:55:LEU:HD21	2:B:14:ASN:H	4	0.19	0.06	0.17
(1,4084)	2:B:55:LEU:HD23	2:B:14:ASN:H	4	0.19	0.06	0.17
(1,547)	1:A:150:PRO:HD3	1:A:149:LYS:HA	4	0.19	0.05	0.18
(1,3620)	2:B:40:ILE:HA	2:B:36:ALA:HB2	4	0.18	0.08	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3620)	2:B:40:ILE:HA	2:B:36:ALA:HB1	4	0.18	0.08	0.14
(1,3620)	2:B:40:ILE:HA	2:B:36:ALA:HB3	4	0.18	0.08	0.14
(1,3620)	2:B:40:ILE:HA	2:C:36:ALA:HB2	4	0.18	0.08	0.14
(1,3620)	2:B:40:ILE:HA	2:C:36:ALA:HB1	4	0.18	0.08	0.14
(1,3620)	2:B:40:ILE:HA	2:C:36:ALA:HB3	4	0.18	0.08	0.14
(1,2539)	2:C:12:ILE:HG22	2:C:12:ILE:HG13	4	0.17	0.0	0.17
(1,2539)	2:C:12:ILE:HG21	2:C:12:ILE:HG13	4	0.17	0.0	0.17
(1,2539)	2:C:12:ILE:HG23	2:C:12:ILE:HG13	4	0.17	0.0	0.17
(1,3154)	2:B:4:SER:HB3	2:B:6:GLU:H	4	0.16	0.04	0.17
(1,4185)	1:A:120:LEU:HG	2:B:35:VAL:H	4	0.15	0.02	0.15
(1,4185)	1:A:120:LEU:HG	2:C:35:VAL:H	4	0.15	0.02	0.15
(1,4186)	1:A:120:LEU:HG	2:B:35:VAL:H	4	0.15	0.02	0.15
(1,4186)	1:A:120:LEU:HG	2:C:35:VAL:H	4	0.15	0.02	0.15
(1,2186)	2:B:30:ALA:HA	2:B:20:VAL:HG12	4	0.14	0.03	0.14
(1,2186)	2:B:30:ALA:HA	2:B:20:VAL:HG11	4	0.14	0.03	0.14
(1,2186)	2:B:30:ALA:HA	2:B:20:VAL:HG13	4	0.14	0.03	0.14
(3,18)	1:A:144:ILE:N	1:A:77:THR:O	4	0.12	0.01	0.12
(3,9)	1:A:86:PHE:H	1:A:80:LYS:O	4	0.12	0.01	0.12
(1,2698)	2:B:54:ILE:HG22	2:B:6:GLU:HG3	3	1.06	0.22	1.14
(1,2698)	2:B:54:ILE:HG21	2:B:6:GLU:HG3	3	1.06	0.22	1.14
(1,2698)	2:B:54:ILE:HG23	2:B:6:GLU:HG3	3	1.06	0.22	1.14
(1,2699)	2:C:54:ILE:HG22	2:C:6:GLU:HG3	3	0.94	0.58	1.09
(1,2699)	2:C:54:ILE:HG21	2:C:6:GLU:HG3	3	0.94	0.58	1.09
(1,2699)	2:C:54:ILE:HG23	2:C:6:GLU:HG3	3	0.94	0.58	1.09
(1,673)	1:A:81:ILE:HG13	1:A:145:THR:HA	3	0.85	0.96	0.19
(1,231)	1:A:149:LYS:HB3	1:A:149:LYS:HE3	3	0.83	0.69	0.56
(1,3132)	2:B:1:ASP:H	2:B:2:SER:H	3	0.81	0.06	0.84
(1,709)	1:A:122:LYS:HE3	1:A:141:ASN:HA	3	0.79	0.38	0.66
(1,2490)	2:B:54:ILE:HG22	2:B:7:GLU:HG2	3	0.73	0.27	0.75
(1,2490)	2:B:54:ILE:HG21	2:B:7:GLU:HG2	3	0.73	0.27	0.75
(1,2490)	2:B:54:ILE:HG23	2:B:7:GLU:HG2	3	0.73	0.27	0.75
(1,53)	1:A:114:ILE:HD12	1:A:103:GLN:H	3	0.7	0.34	0.49
(1,53)	1:A:114:ILE:HD11	1:A:103:GLN:H	3	0.7	0.34	0.49
(1,53)	1:A:114:ILE:HD13	1:A:103:GLN:H	3	0.7	0.34	0.49
(1,1399)	1:A:80:LYS:HE3	1:A:148:ILE:H	3	0.68	0.45	0.74
(1,2012)	2:B:47:GLU:HG3	2:B:47:GLU:H	3	0.64	0.15	0.66
(1,2114)	2:B:13:VAL:HG22	2:B:48:ARG:HG2	3	0.64	0.29	0.83
(1,2114)	2:B:13:VAL:HG21	2:B:48:ARG:HG2	3	0.64	0.29	0.83
(1,2114)	2:B:13:VAL:HG23	2:B:48:ARG:HG2	3	0.64	0.29	0.83
(1,2775)	2:C:71:SER:HB3	2:C:68:ILE:H	3	0.63	0.29	0.79
(1,2309)	2:C:52:SER:HA	2:C:55:LEU:HD12	3	0.63	0.31	0.6
(1,2309)	2:C:52:SER:HA	2:C:55:LEU:HD11	3	0.63	0.31	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2309)	2:C:52:SER:HA	2:C:55:LEU:HD13	3	0.63	0.31	0.6
(1,2720)	2:B:54:ILE:HD12	2:B:6:GLU:HG3	3	0.6	0.21	0.46
(1,2720)	2:B:54:ILE:HD11	2:B:6:GLU:HG3	3	0.6	0.21	0.46
(1,2720)	2:B:54:ILE:HD13	2:B:6:GLU:HG3	3	0.6	0.21	0.46
(1,795)	1:A:80:LYS:HE3	1:A:86:PHE:HZ	3	0.56	0.47	0.29
(1,2491)	2:C:54:ILE:HG22	2:C:7:GLU:HG2	3	0.56	0.34	0.44
(1,2491)	2:C:54:ILE:HG21	2:C:7:GLU:HG2	3	0.56	0.34	0.44
(1,2491)	2:C:54:ILE:HG23	2:C:7:GLU:HG2	3	0.56	0.34	0.44
(1,2552)	2:B:35:VAL:HG12	2:B:37:MET:HB3	3	0.56	0.48	0.25
(1,2552)	2:B:35:VAL:HG11	2:B:37:MET:HB3	3	0.56	0.48	0.25
(1,2552)	2:B:35:VAL:HG13	2:B:37:MET:HB3	3	0.56	0.48	0.25
(1,3147)	2:C:6:GLU:H	2:C:6:GLU:HB3	3	0.55	0.0	0.55
(1,2641)	2:C:33:LEU:HD12	2:C:20:VAL:HG12	3	0.55	0.21	0.58
(1,2641)	2:C:33:LEU:HD12	2:C:20:VAL:HG11	3	0.55	0.21	0.58
(1,2641)	2:C:33:LEU:HD12	2:C:20:VAL:HG13	3	0.55	0.21	0.58
(1,2641)	2:C:33:LEU:HD11	2:C:20:VAL:HG12	3	0.55	0.21	0.58
(1,2641)	2:C:33:LEU:HD11	2:C:20:VAL:HG11	3	0.55	0.21	0.58
(1,2641)	2:C:33:LEU:HD11	2:C:20:VAL:HG13	3	0.55	0.21	0.58
(1,2641)	2:C:33:LEU:HD13	2:C:20:VAL:HG12	3	0.55	0.21	0.58
(1,2641)	2:C:33:LEU:HD13	2:C:20:VAL:HG11	3	0.55	0.21	0.58
(1,2641)	2:C:33:LEU:HD13	2:C:20:VAL:HG13	3	0.55	0.21	0.58
(1,3023)	2:C:48:ARG:HG2	2:C:48:ARG:H	3	0.55	0.18	0.65
(1,3146)	2:B:6:GLU:H	2:B:6:GLU:HB3	3	0.55	0.01	0.55
(1,2013)	2:C:47:GLU:HG3	2:C:47:GLU:H	3	0.55	0.35	0.43
(1,2178)	2:B:9:ALA:HA	2:B:12:ILE:HD12	3	0.51	0.32	0.29
(1,2178)	2:B:9:ALA:HA	2:B:12:ILE:HD11	3	0.51	0.32	0.29
(1,2178)	2:B:9:ALA:HA	2:B:12:ILE:HD13	3	0.51	0.32	0.29
(1,2941)	2:C:44:PHE:HZ	2:B:33:LEU:HD22	3	0.51	0.22	0.59
(1,2941)	2:C:44:PHE:HZ	2:B:33:LEU:HD21	3	0.51	0.22	0.59
(1,2941)	2:C:44:PHE:HZ	2:B:33:LEU:HD23	3	0.51	0.22	0.59
(1,55)	1:A:114:ILE:HD12	1:A:103:GLN:HE22	3	0.5	0.14	0.59
(1,55)	1:A:114:ILE:HD11	1:A:103:GLN:HE22	3	0.5	0.14	0.59
(1,55)	1:A:114:ILE:HD13	1:A:103:GLN:HE22	3	0.5	0.14	0.59
(1,3015)	2:C:5:LYS:HG2	2:C:5:LYS:H	3	0.5	0.25	0.37
(1,3642)	2:B:68:ILE:HB	2:B:71:SER:H	3	0.5	0.07	0.51
(1,3642)	2:B:68:ILE:HB	2:C:54:ILE:H	3	0.5	0.07	0.51
(1,1656)	1:A:124:LYS:HD3	1:A:121:LEU:HD22	3	0.47	0.18	0.57
(1,1656)	1:A:124:LYS:HD3	1:A:121:LEU:HD21	3	0.47	0.18	0.57
(1,1656)	1:A:124:LYS:HD3	1:A:121:LEU:HD23	3	0.47	0.18	0.57
(1,1656)	1:A:85:LYS:HD3	1:A:81:ILE:HG22	3	0.47	0.18	0.57
(1,1656)	1:A:85:LYS:HD3	1:A:81:ILE:HG21	3	0.47	0.18	0.57
(1,1656)	1:A:85:LYS:HD3	1:A:81:ILE:HG23	3	0.47	0.18	0.57

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3045)	2:C:47:GLU:HB2	2:C:50:ALA:H	3	0.44	0.42	0.18
(1,2064)	2:B:55:LEU:HD22	2:B:51:VAL:HB	3	0.43	0.25	0.34
(1,2064)	2:B:55:LEU:HD21	2:B:51:VAL:HB	3	0.43	0.25	0.34
(1,2064)	2:B:55:LEU:HD23	2:B:51:VAL:HB	3	0.43	0.25	0.34
(1,2645)	2:C:20:VAL:HG12	2:C:33:LEU:HD22	3	0.42	0.17	0.49
(1,2645)	2:C:20:VAL:HG12	2:C:33:LEU:HD21	3	0.42	0.17	0.49
(1,2645)	2:C:20:VAL:HG12	2:C:33:LEU:HD23	3	0.42	0.17	0.49
(1,2645)	2:C:20:VAL:HG11	2:C:33:LEU:HD22	3	0.42	0.17	0.49
(1,2645)	2:C:20:VAL:HG11	2:C:33:LEU:HD21	3	0.42	0.17	0.49
(1,2645)	2:C:20:VAL:HG11	2:C:33:LEU:HD23	3	0.42	0.17	0.49
(1,2645)	2:C:20:VAL:HG13	2:C:33:LEU:HD22	3	0.42	0.17	0.49
(1,2645)	2:C:20:VAL:HG13	2:C:33:LEU:HD21	3	0.42	0.17	0.49
(1,2645)	2:C:20:VAL:HG13	2:C:33:LEU:HD23	3	0.42	0.17	0.49
(1,897)	1:A:85:LYS:HB2	1:A:86:PHE:H	3	0.4	0.02	0.4
(1,1808)	1:A:99:LEU:HG	1:A:103:GLN:HE22	3	0.39	0.23	0.28
(1,1808)	1:A:103:GLN:HE22	1:A:114:ILE:HG13	3	0.39	0.23	0.28
(1,2423)	2:C:25:ILE:HD12	2:B:44:PHE:HZ	3	0.39	0.05	0.42
(1,2423)	2:C:25:ILE:HD11	2:B:44:PHE:HZ	3	0.39	0.05	0.42
(1,2423)	2:C:25:ILE:HD13	2:B:44:PHE:HZ	3	0.39	0.05	0.42
(1,263)	1:A:80:LYS:HD3	1:A:86:PHE:HE1	3	0.38	0.08	0.43
(1,263)	1:A:80:LYS:HD3	1:A:86:PHE:HE2	3	0.38	0.08	0.43
(1,2499)	2:C:25:ILE:HG22	2:C:20:VAL:HG12	3	0.35	0.04	0.33
(1,2499)	2:C:25:ILE:HG22	2:C:20:VAL:HG11	3	0.35	0.04	0.33
(1,2499)	2:C:25:ILE:HG22	2:C:20:VAL:HG13	3	0.35	0.04	0.33
(1,2499)	2:C:25:ILE:HG21	2:C:20:VAL:HG12	3	0.35	0.04	0.33
(1,2499)	2:C:25:ILE:HG21	2:C:20:VAL:HG11	3	0.35	0.04	0.33
(1,2499)	2:C:25:ILE:HG21	2:C:20:VAL:HG13	3	0.35	0.04	0.33
(1,2499)	2:C:25:ILE:HG23	2:C:20:VAL:HG12	3	0.35	0.04	0.33
(1,2499)	2:C:25:ILE:HG23	2:C:20:VAL:HG11	3	0.35	0.04	0.33
(1,2499)	2:C:25:ILE:HG23	2:C:20:VAL:HG13	3	0.35	0.04	0.33
(1,2245)	2:C:55:LEU:HD22	2:C:11:LEU:HA	3	0.34	0.08	0.31
(1,2245)	2:C:55:LEU:HD21	2:C:11:LEU:HA	3	0.34	0.08	0.31
(1,2245)	2:C:55:LEU:HD23	2:C:11:LEU:HA	3	0.34	0.08	0.31
(1,3196)	2:B:14:ASN:H	2:B:48:ARG:HA	3	0.34	0.26	0.18
(1,2226)	2:B:5:LYS:HA	2:B:8:ILE:HG13	3	0.33	0.04	0.36
(1,3875)	2:C:15:TYR:HA	2:C:12:ILE:HD12	3	0.33	0.07	0.36
(1,3875)	2:C:15:TYR:HA	2:C:12:ILE:HD11	3	0.33	0.07	0.36
(1,3875)	2:C:15:TYR:HA	2:C:12:ILE:HD13	3	0.33	0.07	0.36
(1,3875)	2:C:15:TYR:HA	2:B:12:ILE:HD12	3	0.33	0.07	0.36
(1,3875)	2:C:15:TYR:HA	2:B:12:ILE:HD11	3	0.33	0.07	0.36
(1,3875)	2:C:15:TYR:HA	2:B:12:ILE:HD13	3	0.33	0.07	0.36
(1,3708)	2:B:4:SER:HB2	2:B:5:LYS:H	3	0.32	0.07	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3708)	2:B:26:SER:HB2	2:B:27:GLU:H	3	0.32	0.07	0.3
(1,1479)	1:A:82:GLN:HG3	1:A:82:GLN:H	3	0.31	0.15	0.31
(1,1479)	1:A:103:GLN:HG3	1:A:102:LYS:H	3	0.31	0.15	0.31
(1,3)	1:A:120:LEU:HD12	1:A:119:LEU:H	3	0.31	0.05	0.3
(1,3)	1:A:120:LEU:HD11	1:A:119:LEU:H	3	0.31	0.05	0.3
(1,3)	1:A:120:LEU:HD13	1:A:119:LEU:H	3	0.31	0.05	0.3
(1,1662)	1:A:149:LYS:HG2	1:A:149:LYS:HE3	3	0.29	0.14	0.32
(1,1662)	1:A:149:LYS:HG3	1:A:149:LYS:HE3	3	0.29	0.14	0.32
(1,2270)	2:B:20:VAL:HA	2:B:25:ILE:HG22	3	0.29	0.08	0.25
(1,2270)	2:B:20:VAL:HA	2:B:25:ILE:HG21	3	0.29	0.08	0.25
(1,2270)	2:B:20:VAL:HA	2:B:25:ILE:HG23	3	0.29	0.08	0.25
(1,265)	1:A:114:ILE:HG12	1:A:103:GLN:HE22	3	0.28	0.08	0.32
(1,1760)	1:A:152:LEU:HB2	1:A:153:GLU:H	3	0.28	0.15	0.25
(1,1760)	1:A:152:LEU:HB3	1:A:153:GLU:H	3	0.28	0.15	0.25
(1,2885)	2:C:6:GLU:HG2	2:C:54:ILE:HG22	3	0.27	0.1	0.31
(1,2885)	2:C:6:GLU:HG2	2:C:54:ILE:HG21	3	0.27	0.1	0.31
(1,2885)	2:C:6:GLU:HG2	2:C:54:ILE:HG23	3	0.27	0.1	0.31
(1,2227)	2:C:5:LYS:HA	2:C:8:ILE:HG13	3	0.27	0.12	0.29
(1,638)	1:A:132:LEU:HB3	1:A:135:LEU:HD12	3	0.27	0.13	0.26
(1,638)	1:A:132:LEU:HB3	1:A:135:LEU:HD11	3	0.27	0.13	0.26
(1,638)	1:A:132:LEU:HB3	1:A:135:LEU:HD13	3	0.27	0.13	0.26
(1,1711)	1:A:123:GLY:H	1:A:126:LEU:HD12	3	0.27	0.17	0.16
(1,1711)	1:A:123:GLY:H	1:A:126:LEU:HD11	3	0.27	0.17	0.16
(1,1711)	1:A:123:GLY:H	1:A:126:LEU:HD13	3	0.27	0.17	0.16
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD22	3	0.27	0.17	0.16
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD21	3	0.27	0.17	0.16
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD23	3	0.27	0.17	0.16
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD12	3	0.27	0.17	0.16
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD11	3	0.27	0.17	0.16
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD13	3	0.27	0.17	0.16
(1,3071)	2:C:40:ILE:HG13	2:C:40:ILE:H	3	0.26	0.2	0.12
(1,383)	1:A:90:HIS:HB3	1:A:92:PHE:HE1	3	0.25	0.11	0.24
(1,383)	1:A:90:HIS:HB3	1:A:92:PHE:HE2	3	0.25	0.11	0.24
(1,3153)	2:C:6:GLU:HG3	2:C:6:GLU:H	3	0.25	0.02	0.23
(1,67)	1:A:83:ALA:HB2	1:A:85:LYS:H	3	0.24	0.13	0.18
(1,67)	1:A:83:ALA:HB1	1:A:85:LYS:H	3	0.24	0.13	0.18
(1,67)	1:A:83:ALA:HB3	1:A:85:LYS:H	3	0.24	0.13	0.18
(1,461)	1:A:96:ASP:HA	1:A:97:THR:HG21	3	0.23	0.09	0.23
(1,461)	1:A:96:ASP:HA	1:A:97:THR:HG22	3	0.23	0.09	0.23
(1,461)	1:A:96:ASP:HA	1:A:97:THR:HG23	3	0.23	0.09	0.23
(1,3929)	2:C:39:CYS:HB2	2:B:35:VAL:HB	3	0.23	0.04	0.23
(1,3929)	2:C:39:CYS:HB3	2:B:35:VAL:HB	3	0.23	0.04	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3929)	2:C:39:CYS:HB2	2:C:35:VAL:HB	3	0.23	0.04	0.23
(1,3929)	2:C:39:CYS:HB3	2:C:35:VAL:HB	3	0.23	0.04	0.23
(1,1179)	1:A:82:GLN:H	1:A:80:LYS:HD2	3	0.22	0.09	0.2
(1,2951)	2:C:60:PHE:HD1	2:C:54:ILE:HB	3	0.21	0.11	0.14
(1,2951)	2:C:60:PHE:HD2	2:C:54:ILE:HB	3	0.21	0.11	0.14
(1,1759)	1:A:153:GLU:H	1:A:153:GLU:HG2	3	0.2	0.04	0.18
(1,1759)	1:A:153:GLU:H	1:A:153:GLU:HG3	3	0.2	0.04	0.18
(1,2805)	2:C:52:SER:HB3	2:B:68:ILE:HG22	3	0.2	0.04	0.19
(1,2805)	2:C:52:SER:HB3	2:B:68:ILE:HG21	3	0.2	0.04	0.19
(1,2805)	2:C:52:SER:HB3	2:B:68:ILE:HG23	3	0.2	0.04	0.19
(1,3744)	2:B:40:ILE:HD12	2:B:36:ALA:HB2	3	0.19	0.08	0.15
(1,3744)	2:B:40:ILE:HD12	2:B:36:ALA:HB1	3	0.19	0.08	0.15
(1,3744)	2:B:40:ILE:HD12	2:B:36:ALA:HB3	3	0.19	0.08	0.15
(1,3744)	2:B:40:ILE:HD11	2:B:36:ALA:HB2	3	0.19	0.08	0.15
(1,3744)	2:B:40:ILE:HD11	2:B:36:ALA:HB1	3	0.19	0.08	0.15
(1,3744)	2:B:40:ILE:HD11	2:B:36:ALA:HB3	3	0.19	0.08	0.15
(1,3744)	2:B:40:ILE:HD13	2:B:36:ALA:HB2	3	0.19	0.08	0.15
(1,3744)	2:B:40:ILE:HD13	2:B:36:ALA:HB1	3	0.19	0.08	0.15
(1,3744)	2:B:40:ILE:HD13	2:B:36:ALA:HB3	3	0.19	0.08	0.15
(1,3744)	2:B:40:ILE:HD12	2:C:36:ALA:HB2	3	0.19	0.08	0.15
(1,3744)	2:B:40:ILE:HD12	2:C:36:ALA:HB1	3	0.19	0.08	0.15
(1,3744)	2:B:40:ILE:HD12	2:C:36:ALA:HB3	3	0.19	0.08	0.15
(1,3744)	2:B:40:ILE:HD11	2:C:36:ALA:HB2	3	0.19	0.08	0.15
(1,3744)	2:B:40:ILE:HD11	2:C:36:ALA:HB1	3	0.19	0.08	0.15
(1,3744)	2:B:40:ILE:HD11	2:C:36:ALA:HB3	3	0.19	0.08	0.15
(1,3744)	2:B:40:ILE:HD13	2:C:36:ALA:HB2	3	0.19	0.08	0.15
(1,3744)	2:B:40:ILE:HD13	2:C:36:ALA:HB1	3	0.19	0.08	0.15
(1,3744)	2:B:40:ILE:HD13	2:C:36:ALA:HB3	3	0.19	0.08	0.15
(1,2)	1:A:120:LEU:HD12	1:A:120:LEU:H	3	0.18	0.08	0.14
(1,2)	1:A:120:LEU:HD11	1:A:120:LEU:H	3	0.18	0.08	0.14
(1,2)	1:A:120:LEU:HD13	1:A:120:LEU:H	3	0.18	0.08	0.14
(1,75)	1:A:98:ILE:HG22	1:A:128:ASP:HA	3	0.18	0.03	0.19
(1,75)	1:A:98:ILE:HG21	1:A:128:ASP:HA	3	0.18	0.03	0.19
(1,75)	1:A:98:ILE:HG23	1:A:128:ASP:HA	3	0.18	0.03	0.19
(1,3732)	2:B:12:ILE:HD12	2:B:13:VAL:HG22	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:13:VAL:HG21	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:13:VAL:HG23	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:13:VAL:HG22	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:13:VAL:HG21	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:13:VAL:HG23	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:13:VAL:HG22	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:13:VAL:HG21	3	0.17	0.06	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3732)	2:B:12:ILE:HD13	2:B:13:VAL:HG23	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HG22	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HG21	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HG23	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HG22	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HG21	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HG23	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HG22	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HG21	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HG23	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HD12	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HD11	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HD13	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HD12	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HD11	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HD13	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HD12	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HD11	3	0.17	0.06	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HD13	3	0.17	0.06	0.13
(1,1893)	2:C:23:LYS:HA	2:C:23:LYS:HG3	3	0.17	0.04	0.16
(1,1569)	1:A:143:THR:HA	1:A:77:THR:HB	3	0.15	0.0	0.15
(1,1569)	1:A:143:THR:HA	1:A:143:THR:HB	3	0.15	0.0	0.15
(1,2112)	2:B:13:VAL:HG22	2:B:51:VAL:HB	3	0.15	0.01	0.14
(1,2112)	2:B:13:VAL:HG21	2:B:51:VAL:HB	3	0.15	0.01	0.14
(1,2112)	2:B:13:VAL:HG23	2:B:51:VAL:HB	3	0.15	0.01	0.14
(1,2821)	2:C:5:LYS:HE2	2:B:24:GLU:HB3	3	0.15	0.02	0.14
(1,1892)	2:B:23:LYS:HA	2:B:23:LYS:HG3	3	0.15	0.03	0.16
(1,3928)	2:B:39:CYS:HB2	2:C:35:VAL:HB	3	0.15	0.02	0.14
(1,3928)	2:B:39:CYS:HB3	2:C:35:VAL:HB	3	0.15	0.02	0.14
(1,3928)	2:B:39:CYS:HB2	2:B:35:VAL:HB	3	0.15	0.02	0.14
(1,3928)	2:B:39:CYS:HB3	2:B:35:VAL:HB	3	0.15	0.02	0.14
(1,2464)	2:B:71:SER:HB3	2:B:71:SER:H	3	0.14	0.0	0.14
(1,3709)	2:C:4:SER:HB2	2:C:5:LYS:H	3	0.14	0.01	0.14
(1,3709)	2:C:26:SER:HB2	2:C:27:GLU:H	3	0.14	0.01	0.14
(1,2820)	2:B:5:LYS:HE2	2:C:24:GLU:HB3	3	0.14	0.02	0.13
(1,1925)	2:C:15:TYR:HB3	2:C:15:TYR:HD1	3	0.13	0.0	0.13
(1,1925)	2:C:15:TYR:HB3	2:C:15:TYR:HD2	3	0.13	0.0	0.13
(1,1922)	2:B:15:TYR:HB2	2:B:15:TYR:HD1	3	0.12	0.0	0.12
(1,1922)	2:B:15:TYR:HB2	2:B:15:TYR:HD2	3	0.12	0.0	0.12
(1,3026)	2:B:55:LEU:HB2	2:B:56:GLY:H	3	0.12	0.0	0.12
(1,1802)	1:A:82:GLN:HE21	1:A:82:GLN:HB2	3	0.12	0.01	0.11
(1,1802)	1:A:82:GLN:HE21	1:A:82:GLN:HB3	3	0.12	0.01	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4188)	1:A:79:LYS:HE3	2:B:35:VAL:H	3	0.12	0.01	0.11
(1,4188)	1:A:79:LYS:HE3	2:B:35:VAL:H	3	0.12	0.01	0.11
(1,4188)	1:A:79:LYS:HE2	2:C:35:VAL:H	3	0.12	0.01	0.11
(1,4188)	1:A:79:LYS:HE2	2:C:35:VAL:H	3	0.12	0.01	0.11
(1,2259)	2:C:51:VAL:HA	2:C:54:ILE:HB	2	1.78	1.66	1.78
(1,117)	1:A:125:VAL:HG22	1:A:126:LEU:H	2	1.51	0.08	1.51
(1,117)	1:A:125:VAL:HG21	1:A:126:LEU:H	2	1.51	0.08	1.51
(1,117)	1:A:125:VAL:HG23	1:A:126:LEU:H	2	1.51	0.08	1.51
(1,116)	1:A:125:VAL:HG22	1:A:120:LEU:H	2	1.42	0.4	1.42
(1,116)	1:A:125:VAL:HG21	1:A:120:LEU:H	2	1.42	0.4	1.42
(1,116)	1:A:125:VAL:HG23	1:A:120:LEU:H	2	1.42	0.4	1.42
(1,3149)	2:C:5:LYS:HG3	2:C:6:GLU:H	2	1.1	0.2	1.1
(1,3151)	2:C:5:LYS:HG2	2:C:6:GLU:H	2	1.1	0.1	1.1
(1,803)	1:A:99:LEU:HG	1:A:103:GLN:HE21	2	1.02	0.11	1.02
(1,728)	1:A:99:LEU:HG	1:A:103:GLN:HE22	2	1.01	0.32	1.01
(1,2721)	2:C:54:ILE:HD12	2:C:6:GLU:HG3	2	0.99	0.12	0.99
(1,2721)	2:C:54:ILE:HD11	2:C:6:GLU:HG3	2	0.99	0.12	0.99
(1,2721)	2:C:54:ILE:HD13	2:C:6:GLU:HG3	2	0.99	0.12	0.99
(1,3259)	2:C:22:LYS:HG3	2:C:22:LYS:H	2	0.9	0.29	0.9
(1,3889)	2:C:18:SER:HB3	2:C:22:LYS:HD3	2	0.9	0.53	0.9
(1,3889)	2:C:18:SER:HB3	2:C:22:LYS:HG2	2	0.9	0.53	0.9
(1,2084)	2:B:25:ILE:HD12	2:B:25:ILE:HG22	2	0.72	0.26	0.72
(1,2084)	2:B:25:ILE:HD12	2:B:25:ILE:HG21	2	0.72	0.26	0.72
(1,2084)	2:B:25:ILE:HD12	2:B:25:ILE:HG23	2	0.72	0.26	0.72
(1,2084)	2:B:25:ILE:HD11	2:B:25:ILE:HG22	2	0.72	0.26	0.72
(1,2084)	2:B:25:ILE:HD11	2:B:25:ILE:HG21	2	0.72	0.26	0.72
(1,2084)	2:B:25:ILE:HD11	2:B:25:ILE:HG23	2	0.72	0.26	0.72
(1,2084)	2:B:25:ILE:HD13	2:B:25:ILE:HG22	2	0.72	0.26	0.72
(1,2084)	2:B:25:ILE:HD13	2:B:25:ILE:HG21	2	0.72	0.26	0.72
(1,2084)	2:B:25:ILE:HD13	2:B:25:ILE:HG23	2	0.72	0.26	0.72
(1,3322)	2:B:25:ILE:HG12	2:B:26:SER:H	2	0.67	0.31	0.67
(1,262)	1:A:80:LYS:HD3	1:A:86:PHE:HZ	2	0.58	0.44	0.58
(1,372)	1:A:151:ASN:HA	1:A:151:ASN:HD21	2	0.58	0.04	0.58
(1,1265)	1:A:107:SER:H	1:A:108:GLU:HG3	2	0.57	0.36	0.57
(1,3044)	2:B:47:GLU:HB2	2:B:50:ALA:H	2	0.54	0.28	0.54
(1,3932)	2:B:18:SER:HB3	2:B:15:TYR:HB3	2	0.53	0.29	0.53
(1,3932)	2:B:18:SER:HB3	2:B:22:LYS:HE3	2	0.53	0.29	0.53
(1,3933)	2:C:18:SER:HB3	2:C:15:TYR:HB3	2	0.52	0.18	0.52
(1,3933)	2:C:18:SER:HB3	2:C:22:LYS:HE3	2	0.52	0.18	0.52
(1,1758)	1:A:83:ALA:H	1:A:85:LYS:HG2	2	0.51	0.39	0.51
(1,1758)	1:A:83:ALA:H	1:A:85:LYS:HG3	2	0.51	0.39	0.51
(1,1803)	1:A:82:GLN:HE21	1:A:81:ILE:HG22	2	0.46	0.09	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1803)	1:A:82:GLN:HE21	1:A:81:ILE:HG21	2	0.46	0.09	0.46
(1,1803)	1:A:82:GLN:HE21	1:A:81:ILE:HG23	2	0.46	0.09	0.46
(1,1803)	1:A:82:GLN:HE21	1:A:81:ILE:HD12	2	0.46	0.09	0.46
(1,1803)	1:A:82:GLN:HE21	1:A:81:ILE:HD11	2	0.46	0.09	0.46
(1,1803)	1:A:82:GLN:HE21	1:A:81:ILE:HD13	2	0.46	0.09	0.46
(1,2244)	2:B:55:LEU:HD22	2:B:11:LEU:HA	2	0.44	0.25	0.44
(1,2244)	2:B:55:LEU:HD21	2:B:11:LEU:HA	2	0.44	0.25	0.44
(1,2244)	2:B:55:LEU:HD23	2:B:11:LEU:HA	2	0.44	0.25	0.44
(1,762)	1:A:119:LEU:HA	1:A:144:ILE:HG22	2	0.42	0.01	0.42
(1,762)	1:A:119:LEU:HA	1:A:144:ILE:HG21	2	0.42	0.01	0.42
(1,762)	1:A:119:LEU:HA	1:A:144:ILE:HG23	2	0.42	0.01	0.42
(1,1167)	1:A:124:LYS:HG2	1:A:125:VAL:H	2	0.39	0.18	0.39
(1,110)	1:A:126:LEU:HD12	1:A:125:VAL:HA	2	0.38	0.26	0.38
(1,110)	1:A:126:LEU:HD11	1:A:125:VAL:HA	2	0.38	0.26	0.38
(1,110)	1:A:126:LEU:HD13	1:A:125:VAL:HA	2	0.38	0.26	0.38
(1,3670)	2:B:3:ALA:HB2	2:B:60:PHE:HD1	2	0.38	0.16	0.38
(1,3670)	2:B:3:ALA:HB2	2:B:60:PHE:HD2	2	0.38	0.16	0.38
(1,3670)	2:B:3:ALA:HB1	2:B:60:PHE:HD1	2	0.38	0.16	0.38
(1,3670)	2:B:3:ALA:HB1	2:B:60:PHE:HD2	2	0.38	0.16	0.38
(1,3670)	2:B:3:ALA:HB3	2:B:60:PHE:HD1	2	0.38	0.16	0.38
(1,3670)	2:B:3:ALA:HB3	2:B:60:PHE:HD2	2	0.38	0.16	0.38
(1,3670)	2:B:3:ALA:HB2	2:C:60:PHE:HD1	2	0.38	0.16	0.38
(1,3670)	2:B:3:ALA:HB2	2:C:60:PHE:HD2	2	0.38	0.16	0.38
(1,3670)	2:B:3:ALA:HB1	2:C:60:PHE:HD1	2	0.38	0.16	0.38
(1,3670)	2:B:3:ALA:HB1	2:C:60:PHE:HD2	2	0.38	0.16	0.38
(1,3670)	2:B:3:ALA:HB3	2:C:60:PHE:HD1	2	0.38	0.16	0.38
(1,3670)	2:B:3:ALA:HB3	2:C:60:PHE:HD2	2	0.38	0.16	0.38
(1,3525)	2:C:6:GLU:HG3	2:C:46:PHE:HD1	2	0.37	0.09	0.37
(1,3525)	2:C:6:GLU:HG3	2:C:46:PHE:HD2	2	0.37	0.09	0.37
(1,3525)	2:C:6:GLU:HG3	2:C:46:PHE:HE1	2	0.37	0.09	0.37
(1,3525)	2:C:6:GLU:HG3	2:C:46:PHE:HE2	2	0.37	0.09	0.37
(1,119)	1:A:97:THR:HG21	1:A:131:PHE:HD1	2	0.35	0.04	0.35
(1,119)	1:A:97:THR:HG21	1:A:131:PHE:HD2	2	0.35	0.04	0.35
(1,119)	1:A:97:THR:HG22	1:A:131:PHE:HD1	2	0.35	0.04	0.35
(1,119)	1:A:97:THR:HG22	1:A:131:PHE:HD2	2	0.35	0.04	0.35
(1,119)	1:A:97:THR:HG23	1:A:131:PHE:HD1	2	0.35	0.04	0.35
(1,119)	1:A:97:THR:HG23	1:A:131:PHE:HD2	2	0.35	0.04	0.35
(1,1139)	1:A:82:GLN:HG3	1:A:82:GLN:H	2	0.35	0.09	0.35
(1,2804)	2:B:52:SER:HB3	2:C:68:ILE:HG22	2	0.35	0.04	0.35
(1,2804)	2:B:52:SER:HB3	2:C:68:ILE:HG21	2	0.35	0.04	0.35
(1,2804)	2:B:52:SER:HB3	2:C:68:ILE:HG23	2	0.35	0.04	0.35
(1,3544)	2:B:51:VAL:HG22	2:B:47:GLU:HB2	2	0.35	0.1	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3544)	2:B:51:VAL:HG21	2:B:47:GLU:HB2	2	0.35	0.1	0.35
(1,3544)	2:B:51:VAL:HG23	2:B:47:GLU:HB2	2	0.35	0.1	0.35
(1,3544)	2:B:51:VAL:HG22	2:B:48:ARG:HB3	2	0.35	0.1	0.35
(1,3544)	2:B:51:VAL:HG21	2:B:48:ARG:HB3	2	0.35	0.1	0.35
(1,3544)	2:B:51:VAL:HG23	2:B:48:ARG:HB3	2	0.35	0.1	0.35
(1,3671)	2:C:3:ALA:HB2	2:C:60:PHE:HD1	2	0.34	0.2	0.34
(1,3671)	2:C:3:ALA:HB2	2:C:60:PHE:HD2	2	0.34	0.2	0.34
(1,3671)	2:C:3:ALA:HB1	2:C:60:PHE:HD1	2	0.34	0.2	0.34
(1,3671)	2:C:3:ALA:HB1	2:C:60:PHE:HD2	2	0.34	0.2	0.34
(1,3671)	2:C:3:ALA:HB3	2:C:60:PHE:HD1	2	0.34	0.2	0.34
(1,3671)	2:C:3:ALA:HB3	2:C:60:PHE:HD2	2	0.34	0.2	0.34
(1,3671)	2:C:3:ALA:HB2	2:B:60:PHE:HD1	2	0.34	0.2	0.34
(1,3671)	2:C:3:ALA:HB2	2:B:60:PHE:HD2	2	0.34	0.2	0.34
(1,3671)	2:C:3:ALA:HB1	2:B:60:PHE:HD1	2	0.34	0.2	0.34
(1,3671)	2:C:3:ALA:HB1	2:B:60:PHE:HD2	2	0.34	0.2	0.34
(1,3671)	2:C:3:ALA:HB3	2:B:60:PHE:HD1	2	0.34	0.2	0.34
(1,3671)	2:C:3:ALA:HB3	2:B:60:PHE:HD2	2	0.34	0.2	0.34
(1,1776)	1:A:99:LEU:H	1:A:97:THR:HG21	2	0.32	0.16	0.32
(1,1776)	1:A:99:LEU:H	1:A:97:THR:HG22	2	0.32	0.16	0.32
(1,1776)	1:A:99:LEU:H	1:A:97:THR:HG23	2	0.32	0.16	0.32
(1,1776)	1:A:99:LEU:H	1:A:114:ILE:HD12	2	0.32	0.16	0.32
(1,1776)	1:A:99:LEU:H	1:A:114:ILE:HD11	2	0.32	0.16	0.32
(1,1776)	1:A:99:LEU:H	1:A:114:ILE:HD13	2	0.32	0.16	0.32
(1,440)	1:A:83:ALA:HA	1:A:85:LYS:HE3	2	0.31	0.06	0.31
(1,1813)	1:A:141:ASN:HD22	1:A:121:LEU:HG	2	0.31	0.19	0.31
(1,1813)	1:A:141:ASN:HD22	1:A:122:LYS:HG2	2	0.31	0.19	0.31
(1,2520)	2:B:51:VAL:HA	2:B:54:ILE:HD12	2	0.31	0.05	0.31
(1,2520)	2:B:51:VAL:HA	2:B:54:ILE:HD11	2	0.31	0.05	0.31
(1,2520)	2:B:51:VAL:HA	2:B:54:ILE:HD13	2	0.31	0.05	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:13:VAL:HG22	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:13:VAL:HG21	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:13:VAL:HG23	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:13:VAL:HG22	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:13:VAL:HG21	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:13:VAL:HG23	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:13:VAL:HG22	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:13:VAL:HG21	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:13:VAL:HG23	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:40:ILE:HG22	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:40:ILE:HG21	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:40:ILE:HG23	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:40:ILE:HG22	2	0.31	0.0	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3733)	2:C:12:ILE:HD11	2:C:40:ILE:HG21	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:40:ILE:HG23	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:40:ILE:HG22	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:40:ILE:HG21	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:40:ILE:HG23	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:40:ILE:HD12	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:40:ILE:HD11	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:40:ILE:HD13	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:40:ILE:HD12	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:40:ILE:HD11	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:40:ILE:HD13	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:40:ILE:HD12	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:40:ILE:HD11	2	0.31	0.0	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:40:ILE:HD13	2	0.31	0.0	0.31
(1,358)	1:A:95:SER:HB2	1:A:131:PHE:HD1	2	0.3	0.08	0.3
(1,358)	1:A:95:SER:HB2	1:A:131:PHE:HD2	2	0.3	0.08	0.3
(1,2954)	2:B:16:PHE:HZ	2:C:12:ILE:HD12	2	0.3	0.18	0.3
(1,2954)	2:B:16:PHE:HZ	2:C:12:ILE:HD11	2	0.3	0.18	0.3
(1,2954)	2:B:16:PHE:HZ	2:C:12:ILE:HD13	2	0.3	0.18	0.3
(1,2937)	2:C:6:GLU:HG2	2:C:44:PHE:HD1	2	0.3	0.14	0.3
(1,2937)	2:C:6:GLU:HG2	2:C:44:PHE:HD2	2	0.3	0.14	0.3
(1,3557)	2:C:25:ILE:HD12	2:B:5:LYS:HD2	2	0.3	0.12	0.3
(1,3557)	2:C:25:ILE:HD11	2:B:5:LYS:HD2	2	0.3	0.12	0.3
(1,3557)	2:C:25:ILE:HD13	2:B:5:LYS:HD2	2	0.3	0.12	0.3
(1,3557)	2:C:25:ILE:HD12	2:B:5:LYS:HG3	2	0.3	0.12	0.3
(1,3557)	2:C:25:ILE:HD11	2:B:5:LYS:HG3	2	0.3	0.12	0.3
(1,3557)	2:C:25:ILE:HD13	2:B:5:LYS:HG3	2	0.3	0.12	0.3
(1,2788)	2:B:33:LEU:HD22	2:C:40:ILE:HG13	2	0.3	0.1	0.3
(1,2788)	2:B:33:LEU:HD21	2:C:40:ILE:HG13	2	0.3	0.1	0.3
(1,2788)	2:B:33:LEU:HD23	2:C:40:ILE:HG13	2	0.3	0.1	0.3
(1,1175)	1:A:153:GLU:H	1:A:152:LEU:HD22	2	0.28	0.15	0.28
(1,1175)	1:A:153:GLU:H	1:A:152:LEU:HD21	2	0.28	0.15	0.28
(1,1175)	1:A:153:GLU:H	1:A:152:LEU:HD23	2	0.28	0.15	0.28
(1,724)	1:A:148:ILE:HD12	1:A:80:LYS:HE3	2	0.28	0.1	0.28
(1,724)	1:A:148:ILE:HD11	1:A:80:LYS:HE3	2	0.28	0.1	0.28
(1,724)	1:A:148:ILE:HD13	1:A:80:LYS:HE3	2	0.28	0.1	0.28
(1,1820)	1:A:129:ASN:HD21	1:A:99:LEU:HD12	2	0.26	0.02	0.26
(1,1820)	1:A:129:ASN:HD21	1:A:99:LEU:HD11	2	0.26	0.02	0.26
(1,1820)	1:A:129:ASN:HD21	1:A:99:LEU:HD13	2	0.26	0.02	0.26
(1,1820)	1:A:129:ASN:HD21	1:A:130:LEU:HD22	2	0.26	0.02	0.26
(1,1820)	1:A:129:ASN:HD21	1:A:130:LEU:HD21	2	0.26	0.02	0.26
(1,1820)	1:A:129:ASN:HD21	1:A:130:LEU:HD23	2	0.26	0.02	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1820)	1:A:151:ASN:HD21	1:A:152:LEU:HD12	2	0.26	0.02	0.26
(1,1820)	1:A:151:ASN:HD21	1:A:152:LEU:HD11	2	0.26	0.02	0.26
(1,1820)	1:A:151:ASN:HD21	1:A:152:LEU:HD13	2	0.26	0.02	0.26
(1,3164)	2:B:7:GLU:H	2:B:7:GLU:HG3	2	0.26	0.03	0.26
(1,1793)	1:A:141:ASN:HB2	1:A:138:THR:H	2	0.26	0.12	0.26
(1,1793)	1:A:141:ASN:HB2	1:A:140:ALA:H	2	0.26	0.12	0.26
(1,531)	1:A:137:VAL:HA	1:A:138:THR:HG21	2	0.25	0.03	0.25
(1,531)	1:A:137:VAL:HA	1:A:138:THR:HG22	2	0.25	0.03	0.25
(1,531)	1:A:137:VAL:HA	1:A:138:THR:HG23	2	0.25	0.03	0.25
(1,1071)	1:A:138:THR:H	1:A:138:THR:HG21	2	0.25	0.07	0.25
(1,1071)	1:A:138:THR:H	1:A:138:THR:HG22	2	0.25	0.07	0.25
(1,1071)	1:A:138:THR:H	1:A:138:THR:HG23	2	0.25	0.07	0.25
(3,90)	2:B:38:ASP:N	2:B:34:ASN:O	2	0.25	0.12	0.25
(1,751)	1:A:149:LYS:HG2	1:A:149:LYS:HE3	2	0.24	0.13	0.24
(1,3583)	2:C:5:LYS:HE3	2:B:19:ILE:HG22	2	0.24	0.08	0.24
(1,3583)	2:C:5:LYS:HE3	2:B:19:ILE:HG21	2	0.24	0.08	0.24
(1,3583)	2:C:5:LYS:HE3	2:B:19:ILE:HG23	2	0.24	0.08	0.24
(1,3583)	2:C:5:LYS:HE3	2:B:19:ILE:HD12	2	0.24	0.08	0.24
(1,3583)	2:C:5:LYS:HE3	2:B:19:ILE:HD11	2	0.24	0.08	0.24
(1,3583)	2:C:5:LYS:HE3	2:B:19:ILE:HD13	2	0.24	0.08	0.24
(1,4109)	2:C:21:GLU:H	2:C:22:LYS:HG3	2	0.24	0.05	0.24
(1,4109)	2:C:21:GLU:H	2:C:30:ALA:HB2	2	0.24	0.05	0.24
(1,4109)	2:C:21:GLU:H	2:C:30:ALA:HB1	2	0.24	0.05	0.24
(1,4109)	2:C:21:GLU:H	2:C:30:ALA:HB3	2	0.24	0.05	0.24
(1,2098)	2:B:19:ILE:HD12	2:C:5:LYS:HE3	2	0.24	0.1	0.24
(1,2098)	2:B:19:ILE:HD11	2:C:5:LYS:HE3	2	0.24	0.1	0.24
(1,2098)	2:B:19:ILE:HD13	2:C:5:LYS:HE3	2	0.24	0.1	0.24
(1,1319)	1:A:82:GLN:HG3	1:A:82:GLN:HE21	2	0.24	0.0	0.24
(1,3684)	2:B:12:ILE:HD12	2:B:15:TYR:HD1	2	0.24	0.05	0.24
(1,3684)	2:B:12:ILE:HD12	2:B:15:TYR:HD2	2	0.24	0.05	0.24
(1,3684)	2:B:12:ILE:HD11	2:B:15:TYR:HD1	2	0.24	0.05	0.24
(1,3684)	2:B:12:ILE:HD11	2:B:15:TYR:HD2	2	0.24	0.05	0.24
(1,3684)	2:B:12:ILE:HD13	2:B:15:TYR:HD1	2	0.24	0.05	0.24
(1,3684)	2:B:12:ILE:HD13	2:B:15:TYR:HD2	2	0.24	0.05	0.24
(1,3684)	2:B:12:ILE:HD12	2:C:15:TYR:HD1	2	0.24	0.05	0.24
(1,3684)	2:B:12:ILE:HD12	2:C:15:TYR:HD2	2	0.24	0.05	0.24
(1,3684)	2:B:12:ILE:HD11	2:C:15:TYR:HD1	2	0.24	0.05	0.24
(1,3684)	2:B:12:ILE:HD11	2:C:15:TYR:HD2	2	0.24	0.05	0.24
(1,3684)	2:B:12:ILE:HD13	2:C:15:TYR:HD1	2	0.24	0.05	0.24
(1,3684)	2:B:12:ILE:HD13	2:C:15:TYR:HD2	2	0.24	0.05	0.24
(1,414)	1:A:118:LYS:HG2	1:A:118:LYS:H	2	0.22	0.08	0.22
(1,1794)	1:A:138:THR:H	1:A:137:VAL:HG22	2	0.22	0.11	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1794)	1:A:138:THR:H	1:A:137:VAL:HG21	2	0.22	0.11	0.22
(1,1794)	1:A:138:THR:H	1:A:137:VAL:HG23	2	0.22	0.11	0.22
(1,1794)	1:A:138:THR:H	1:A:121:LEU:HD22	2	0.22	0.11	0.22
(1,1794)	1:A:138:THR:H	1:A:121:LEU:HD21	2	0.22	0.11	0.22
(1,1794)	1:A:138:THR:H	1:A:121:LEU:HD23	2	0.22	0.11	0.22
(1,2585)	2:C:49:GLU:HG3	2:C:49:GLU:HA	2	0.22	0.04	0.22
(1,3014)	2:B:5:LYS:HG2	2:B:5:LYS:H	2	0.22	0.05	0.22
(1,3152)	2:B:6:GLU:HG3	2:B:6:GLU:H	2	0.22	0.05	0.22
(1,1169)	1:A:125:VAL:HG22	1:A:125:VAL:H	2	0.22	0.08	0.22
(1,1169)	1:A:125:VAL:HG21	1:A:125:VAL:H	2	0.22	0.08	0.22
(1,1169)	1:A:125:VAL:HG23	1:A:125:VAL:H	2	0.22	0.08	0.22
(1,2271)	2:C:20:VAL:HA	2:C:25:ILE:HG22	2	0.22	0.02	0.22
(1,2271)	2:C:20:VAL:HA	2:C:25:ILE:HG21	2	0.22	0.02	0.22
(1,2271)	2:C:20:VAL:HA	2:C:25:ILE:HG23	2	0.22	0.02	0.22
(1,1570)	1:A:139:PRO:HA	1:A:74:VAL:HG22	2	0.22	0.07	0.22
(1,1570)	1:A:139:PRO:HA	1:A:74:VAL:HG21	2	0.22	0.07	0.22
(1,1570)	1:A:139:PRO:HA	1:A:74:VAL:HG23	2	0.22	0.07	0.22
(1,1570)	1:A:139:PRO:HA	1:A:137:VAL:HG22	2	0.22	0.07	0.22
(1,1570)	1:A:139:PRO:HA	1:A:137:VAL:HG21	2	0.22	0.07	0.22
(1,1570)	1:A:139:PRO:HA	1:A:137:VAL:HG23	2	0.22	0.07	0.22
(1,2258)	2:B:51:VAL:HA	2:B:54:ILE:HB	2	0.2	0.02	0.2
(1,3830)	2:B:40:ILE:HD12	2:B:13:VAL:HB	2	0.2	0.06	0.2
(1,3830)	2:B:40:ILE:HD11	2:B:13:VAL:HB	2	0.2	0.06	0.2
(1,3830)	2:B:40:ILE:HD13	2:B:13:VAL:HB	2	0.2	0.06	0.2
(1,3830)	2:B:40:ILE:HD12	2:B:35:VAL:HB	2	0.2	0.06	0.2
(1,3830)	2:B:40:ILE:HD11	2:B:35:VAL:HB	2	0.2	0.06	0.2
(1,3830)	2:B:40:ILE:HD13	2:B:35:VAL:HB	2	0.2	0.06	0.2
(1,3830)	2:B:40:ILE:HD12	2:C:35:VAL:HB	2	0.2	0.06	0.2
(1,3830)	2:B:40:ILE:HD11	2:C:35:VAL:HB	2	0.2	0.06	0.2
(1,3830)	2:B:40:ILE:HD13	2:C:35:VAL:HB	2	0.2	0.06	0.2
(1,647)	1:A:105:LEU:HB3	1:A:111:ALA:HB2	2	0.2	0.07	0.2
(1,647)	1:A:105:LEU:HB3	1:A:111:ALA:HB1	2	0.2	0.07	0.2
(1,647)	1:A:105:LEU:HB3	1:A:111:ALA:HB3	2	0.2	0.07	0.2
(1,1673)	1:A:85:LYS:H	1:A:85:LYS:HG2	2	0.2	0.02	0.2
(1,1673)	1:A:85:LYS:H	1:A:85:LYS:HG3	2	0.2	0.02	0.2
(1,3233)	2:C:72:ALA:H	2:C:72:ALA:HB2	2	0.18	0.06	0.18
(1,3233)	2:C:72:ALA:H	2:C:72:ALA:HB1	2	0.18	0.06	0.18
(1,3233)	2:C:72:ALA:H	2:C:72:ALA:HB3	2	0.18	0.06	0.18
(1,719)	1:A:148:ILE:HD12	1:A:112:SER:H	2	0.17	0.05	0.17
(1,719)	1:A:148:ILE:HD11	1:A:112:SER:H	2	0.17	0.05	0.17
(1,719)	1:A:148:ILE:HD13	1:A:112:SER:H	2	0.17	0.05	0.17
(1,3232)	2:B:72:ALA:H	2:B:72:ALA:HB2	2	0.16	0.04	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3232)	2:B:72:ALA:H	2:B:72:ALA:HB1	2	0.16	0.04	0.16
(1,3232)	2:B:72:ALA:H	2:B:72:ALA:HB3	2	0.16	0.04	0.16
(1,1428)	1:A:106:ILE:HD12	1:A:102:LYS:HB3	2	0.16	0.02	0.16
(1,1428)	1:A:106:ILE:HD11	1:A:102:LYS:HB3	2	0.16	0.02	0.16
(1,1428)	1:A:106:ILE:HD13	1:A:102:LYS:HB3	2	0.16	0.02	0.16
(1,1428)	1:A:106:ILE:HD12	1:A:103:GLN:HB3	2	0.16	0.02	0.16
(1,1428)	1:A:106:ILE:HD11	1:A:103:GLN:HB3	2	0.16	0.02	0.16
(1,1428)	1:A:106:ILE:HD13	1:A:103:GLN:HB3	2	0.16	0.02	0.16
(1,796)	1:A:86:PHE:HB2	1:A:86:PHE:HD1	2	0.16	0.04	0.16
(1,796)	1:A:86:PHE:HB2	1:A:86:PHE:HD2	2	0.16	0.04	0.16
(1,3639)	2:C:55:LEU:HB2	2:C:55:LEU:H	2	0.15	0.02	0.15
(1,3639)	2:C:55:LEU:HB2	2:C:56:GLY:H	2	0.15	0.02	0.15
(1,3729)	2:C:12:ILE:HD12	2:B:12:ILE:HA	2	0.15	0.01	0.15
(1,3729)	2:C:12:ILE:HD11	2:B:12:ILE:HA	2	0.15	0.01	0.15
(1,3729)	2:C:12:ILE:HD13	2:B:12:ILE:HA	2	0.15	0.01	0.15
(1,3729)	2:C:12:ILE:HA	2:C:12:ILE:HD12	2	0.15	0.01	0.15
(1,3729)	2:C:12:ILE:HA	2:C:12:ILE:HD11	2	0.15	0.01	0.15
(1,3729)	2:C:12:ILE:HA	2:C:12:ILE:HD13	2	0.15	0.01	0.15
(1,2465)	2:C:71:SER:HB3	2:C:71:SER:H	2	0.15	0.03	0.15
(1,286)	1:A:92:PHE:HB2	1:A:92:PHE:HD1	2	0.14	0.01	0.14
(1,286)	1:A:92:PHE:HB2	1:A:92:PHE:HD2	2	0.14	0.01	0.14
(1,2070)	2:B:51:VAL:HG22	2:B:14:ASN:HA	2	0.14	0.01	0.14
(1,2070)	2:B:51:VAL:HG21	2:B:14:ASN:HA	2	0.14	0.01	0.14
(1,2070)	2:B:51:VAL:HG23	2:B:14:ASN:HA	2	0.14	0.01	0.14
(1,3401)	2:C:46:PHE:H	2:C:46:PHE:HD1	2	0.14	0.01	0.14
(1,3401)	2:C:46:PHE:H	2:C:46:PHE:HD2	2	0.14	0.01	0.14
(1,2876)	2:B:13:VAL:HB	2:B:14:ASN:HA	2	0.14	0.02	0.14
(1,487)	1:A:139:PRO:HD2	1:A:138:THR:HA	2	0.13	0.02	0.13
(1,2854)	2:B:39:CYS:HB2	2:B:39:CYS:H	2	0.13	0.02	0.13
(1,2854)	2:B:39:CYS:HB3	2:B:39:CYS:H	2	0.13	0.02	0.13
(1,2863)	2:C:37:MET:HA	2:C:37:MET:HG2	2	0.13	0.01	0.13
(1,3575)	2:C:33:LEU:HB2	2:C:33:LEU:HD22	2	0.12	0.01	0.12
(1,3575)	2:C:33:LEU:HB2	2:C:33:LEU:HD21	2	0.12	0.01	0.12
(1,3575)	2:C:33:LEU:HB2	2:C:33:LEU:HD23	2	0.12	0.01	0.12
(1,3575)	2:C:33:LEU:HD22	2:B:43:ALA:HB2	2	0.12	0.01	0.12
(1,3575)	2:C:33:LEU:HD22	2:B:43:ALA:HB1	2	0.12	0.01	0.12
(1,3575)	2:C:33:LEU:HD22	2:B:43:ALA:HB3	2	0.12	0.01	0.12
(1,3575)	2:C:33:LEU:HD21	2:B:43:ALA:HB2	2	0.12	0.01	0.12
(1,3575)	2:C:33:LEU:HD21	2:B:43:ALA:HB1	2	0.12	0.01	0.12
(1,3575)	2:C:33:LEU:HD21	2:B:43:ALA:HB3	2	0.12	0.01	0.12
(1,3575)	2:C:33:LEU:HD23	2:B:43:ALA:HB2	2	0.12	0.01	0.12
(1,3575)	2:C:33:LEU:HD23	2:B:43:ALA:HB1	2	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3575)	2:C:33:LEU:HD23	2:B:43:ALA:HB3	2	0.12	0.01	0.12
(1,1186)	1:A:135:LEU:HB2	1:A:135:LEU:H	2	0.12	0.0	0.12

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

9.5 All violated distance restraints ⓘ

9.5.1 Histogram : Distribution of distance violations ⓘ

The following histogram shows the distribution of the absolute value of the violation for all violated restraints in the ensemble.
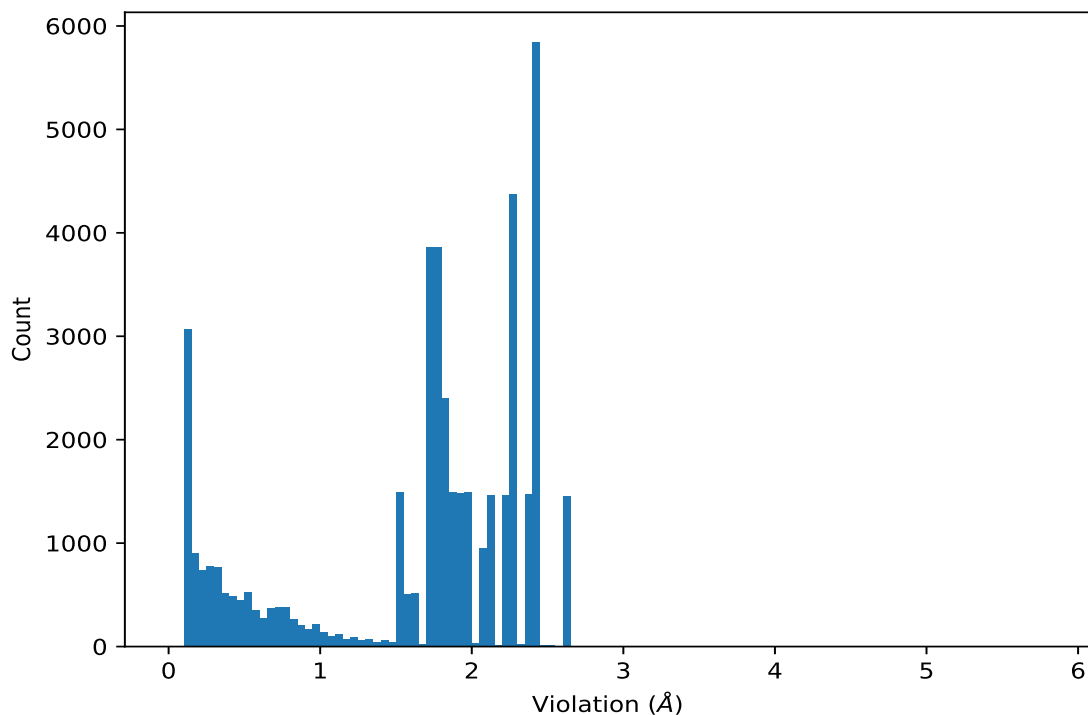
9.5.2 Table : All distance violations ⓘ

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)
(1,135)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	5	5.8
(1,135)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	5	5.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,135)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	5	5.8
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD12	2	4.12
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD11	2	4.12
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD13	2	4.12
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD12	9	4.03
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD11	9	4.03
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD13	9	4.03
(1,73)	1:A:88:ILE:HG22	1:A:90:HIS:HE1	9	3.9
(1,73)	1:A:88:ILE:HG21	1:A:90:HIS:HE1	9	3.9
(1,73)	1:A:88:ILE:HG23	1:A:90:HIS:HE1	9	3.9
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD12	1	3.8
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD11	1	3.8
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD13	1	3.8
(1,707)	1:A:122:LYS:HE3	1:A:143:THR:HG21	9	3.77
(1,707)	1:A:122:LYS:HE3	1:A:143:THR:HG22	9	3.77
(1,707)	1:A:122:LYS:HE3	1:A:143:THR:HG23	9	3.77
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD22	5	3.62
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD21	5	3.62
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD23	5	3.62
(1,1660)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	5	3.62
(1,1660)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	5	3.62
(1,1660)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	5	3.62
(1,2617)	2:C:51:VAL:HG22	2:C:46:PHE:HZ	9	3.58
(1,2617)	2:C:51:VAL:HG21	2:C:46:PHE:HZ	9	3.58
(1,2617)	2:C:51:VAL:HG23	2:C:46:PHE:HZ	9	3.58
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD12	4	3.49
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD11	4	3.49
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD13	4	3.49
(1,2259)	2:C:51:VAL:HA	2:C:54:ILE:HB	9	3.44
(1,2389)	2:C:20:VAL:HG22	2:C:34:ASN:HD22	9	3.41
(1,2389)	2:C:20:VAL:HG21	2:C:34:ASN:HD22	9	3.41
(1,2389)	2:C:20:VAL:HG23	2:C:34:ASN:HD22	9	3.41
(1,2631)	2:C:51:VAL:HB	2:C:55:LEU:HG	9	3.39
(1,2389)	2:C:20:VAL:HG22	2:C:34:ASN:HD22	4	3.38
(1,2389)	2:C:20:VAL:HG21	2:C:34:ASN:HD22	4	3.38
(1,2389)	2:C:20:VAL:HG23	2:C:34:ASN:HD22	4	3.38
(1,2388)	2:B:20:VAL:HG22	2:B:34:ASN:HD22	3	3.38
(1,2388)	2:B:20:VAL:HG21	2:B:34:ASN:HD22	3	3.38
(1,2388)	2:B:20:VAL:HG23	2:B:34:ASN:HD22	3	3.38
(1,2388)	2:B:20:VAL:HG22	2:B:34:ASN:HD22	8	3.34
(1,2388)	2:B:20:VAL:HG21	2:B:34:ASN:HD22	8	3.34
(1,2388)	2:B:20:VAL:HG23	2:B:34:ASN:HD22	8	3.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,705)	1:A:122:LYS:HE3	1:A:122:LYS:HB3	2	3.24
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD12	7	3.21
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD11	7	3.21
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD13	7	3.21
(1,2388)	2:B:20:VAL:HG22	2:B:34:ASN:HD22	4	3.15
(1,2388)	2:B:20:VAL:HG21	2:B:34:ASN:HD22	4	3.15
(1,2388)	2:B:20:VAL:HG23	2:B:34:ASN:HD22	4	3.15
(1,1356)	1:A:151:ASN:HA	1:A:151:ASN:HD22	9	3.09
(1,703)	1:A:122:LYS:HE3	1:A:141:ASN:HD22	2	3.05
(1,2389)	2:C:20:VAL:HG22	2:C:34:ASN:HD22	5	3.04
(1,2389)	2:C:20:VAL:HG21	2:C:34:ASN:HD22	5	3.04
(1,2389)	2:C:20:VAL:HG23	2:C:34:ASN:HD22	5	3.04
(1,804)	1:A:121:LEU:HD22	1:A:141:ASN:HD21	5	3.01
(1,804)	1:A:121:LEU:HD21	1:A:141:ASN:HD21	5	3.01
(1,804)	1:A:121:LEU:HD23	1:A:141:ASN:HD21	5	3.01
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD12	6	2.99
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD11	6	2.99
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD13	6	2.99
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD12	8	2.98
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD11	8	2.98
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD13	8	2.98
(1,704)	1:A:122:LYS:HE3	1:A:141:ASN:HD21	2	2.95
(1,48)	1:A:88:ILE:HD12	1:A:90:HIS:HE1	9	2.94
(1,48)	1:A:88:ILE:HD11	1:A:90:HIS:HE1	9	2.94
(1,48)	1:A:88:ILE:HD13	1:A:90:HIS:HE1	9	2.94
(1,2388)	2:B:20:VAL:HG22	2:B:34:ASN:HD22	7	2.91
(1,2388)	2:B:20:VAL:HG21	2:B:34:ASN:HD22	7	2.91
(1,2388)	2:B:20:VAL:HG23	2:B:34:ASN:HD22	7	2.91
(1,48)	1:A:88:ILE:HD12	1:A:90:HIS:HE1	4	2.88
(1,48)	1:A:88:ILE:HD11	1:A:90:HIS:HE1	4	2.88
(1,48)	1:A:88:ILE:HD13	1:A:90:HIS:HE1	4	2.88
(1,179)	1:A:120:LEU:HD22	1:A:147:MET:HG3	9	2.87
(1,179)	1:A:120:LEU:HD21	1:A:147:MET:HG3	9	2.87
(1,179)	1:A:120:LEU:HD23	1:A:147:MET:HG3	9	2.87
(1,73)	1:A:88:ILE:HG22	1:A:90:HIS:HE1	4	2.85
(1,73)	1:A:88:ILE:HG21	1:A:90:HIS:HE1	4	2.85
(1,73)	1:A:88:ILE:HG23	1:A:90:HIS:HE1	4	2.85
(1,2614)	2:B:13:VAL:HG12	2:B:48:ARG:HG2	9	2.83
(1,2614)	2:B:13:VAL:HG11	2:B:48:ARG:HG2	9	2.83
(1,2614)	2:B:13:VAL:HG13	2:B:48:ARG:HG2	9	2.83
(1,834)	1:A:85:LYS:HE3	1:A:82:GLN:HA	4	2.75
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG22	2	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG21	2	2.75
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG23	2	2.75
(1,2629)	2:C:37:MET:HB3	2:C:17:SER:HB3	1	2.71
(1,2628)	2:B:37:MET:HB3	2:B:17:SER:HB3	5	2.71
(1,135)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	8	2.66
(1,135)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	8	2.66
(1,135)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	8	2.66
(1,705)	1:A:122:LYS:HE3	1:A:122:LYS:HB3	5	2.65
(1,705)	1:A:122:LYS:HE3	1:A:122:LYS:HB3	6	2.61
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CB	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG11	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:N	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:H	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HA	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:SG	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:H	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:N	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE2	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:N	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CB	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG11	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:N	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HA	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:SG	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:H	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:N	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE2	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CB	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG11	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:N	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HA	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:SG	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:H	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:N	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE2	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CB	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CB	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG11	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:N	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HA	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:SG	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:H	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:N	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE2	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CB	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG11	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:N	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HA	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:SG	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:H	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:N	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE2	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CB	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG11	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:N	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD1	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HA	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:SG	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:H	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:N	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE2	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CB	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG11	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:N	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HA	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:SG	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:H	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:N	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE2	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CB	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG11	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:N	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:H	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HA	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:SG	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:H	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:N	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE2	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:N	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CB	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG11	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:N	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HA	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:SG	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:H	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:N	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE2	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CB	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG11	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:N	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HA	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:SG	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:H	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:N	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE2	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CB	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CB	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG11	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:N	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HA	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:SG	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:H	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:N	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE2	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CB	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG11	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:N	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HA	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:SG	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:H	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:N	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE2	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CB	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG11	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:N	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD1	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HA	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:SG	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:H	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:N	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE2	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CB	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG11	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:N	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HA	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:SG	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:H	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:N	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE2	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CB	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG11	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:N	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:H	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HA	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:SG	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:H	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:N	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE2	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:N	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CB	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG11	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:N	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HA	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:SG	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:H	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:N	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE2	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CB	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG11	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:N	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HA	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:SG	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:H	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:N	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE2	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CB	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CB	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG11	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:N	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HA	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:SG	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:H	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:N	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE2	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CB	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG11	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:N	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HA	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:SG	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:H	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:N	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE2	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CB	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG11	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:N	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD1	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HA	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:SG	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:H	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:N	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE2	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CB	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG11	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:N	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HA	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:SG	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:H	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:N	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE2	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:H	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:C	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CA	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CB	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG1	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG2	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:H	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HA	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HB	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG11	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG12	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG13	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG21	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG22	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG23	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:N	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:O	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:C	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CA	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CB	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CG	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:H	10	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HA	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB2	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB3	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:N	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:O	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD1	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD2	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:C	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CA	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CB	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:H	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HA	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB2	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB3	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HG	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:N	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:O	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:SG	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:C	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CA	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CB	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CD	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CG	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:H	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HA	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB2	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB3	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG2	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG3	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:N	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:O	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE1	10	2.61
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE2	10	2.61
(1,2629)	2:C:37:MET:HB3	2:C:17:SER:HB3	5	2.61
(1,2545)	2:C:51:VAL:HG12	2:C:55:LEU:HG	9	2.6
(1,2545)	2:C:51:VAL:HG11	2:C:55:LEU:HG	9	2.6
(1,2545)	2:C:51:VAL:HG13	2:C:55:LEU:HG	9	2.6
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD22	5	2.59
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD21	5	2.59
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD23	5	2.59
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD22	7	2.56
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD21	7	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD23	7	2.56
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD22	8	2.55
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD21	8	2.55
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD23	8	2.55
(1,1452)	1:A:105:LEU:HD22	1:A:90:HIS:HE1	9	2.53
(1,1452)	1:A:105:LEU:HD21	1:A:90:HIS:HE1	9	2.53
(1,1452)	1:A:105:LEU:HD23	1:A:90:HIS:HE1	9	2.53
(1,1452)	1:A:78:LEU:HD22	1:A:90:HIS:HE1	9	2.53
(1,1452)	1:A:78:LEU:HD21	1:A:90:HIS:HE1	9	2.53
(1,1452)	1:A:78:LEU:HD23	1:A:90:HIS:HE1	9	2.53
(1,1141)	1:A:82:GLN:H	1:A:80:LYS:HG2	10	2.52
(1,705)	1:A:122:LYS:HE3	1:A:122:LYS:HB3	4	2.51
(1,1353)	1:A:121:LEU:HD12	1:A:141:ASN:HD21	5	2.5
(1,1353)	1:A:121:LEU:HD11	1:A:141:ASN:HD21	5	2.5
(1,1353)	1:A:121:LEU:HD13	1:A:141:ASN:HD21	5	2.5
(1,705)	1:A:122:LYS:HE3	1:A:122:LYS:HB3	7	2.49
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD22	8	2.49
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD21	8	2.49
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD23	8	2.49
(1,1660)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	8	2.49
(1,1660)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	8	2.49
(1,1660)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	8	2.49
(1,82)	1:A:148:ILE:HG22	1:A:150:PRO:HD2	7	2.47
(1,82)	1:A:148:ILE:HG21	1:A:150:PRO:HD2	7	2.47
(1,82)	1:A:148:ILE:HG23	1:A:150:PRO:HD2	7	2.47
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD12	4	2.46
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD11	4	2.46
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD13	4	2.46
(1,786)	1:A:126:LEU:HD12	1:A:124:LYS:HD3	1	2.44
(1,786)	1:A:126:LEU:HD11	1:A:124:LYS:HD3	1	2.44
(1,786)	1:A:126:LEU:HD13	1:A:124:LYS:HD3	1	2.44
(1,1172)	1:A:85:LYS:HE3	1:A:83:ALA:H	4	2.44
(1,860)	1:A:80:LYS:H	1:A:79:LYS:HD3	10	2.43
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD22	3	2.43
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD21	3	2.43
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD23	3	2.43
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HA	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:H	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG21	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CA	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HG	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CB	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB3	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE2	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:H	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG21	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CA	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HG	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CB	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB3	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE2	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:H	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG21	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CA	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HG	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CB	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB3	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE2	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:H	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG21	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CA	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HG	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CB	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB3	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE2	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:H	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG21	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB3	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CA	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HG	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CB	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB3	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE2	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD2	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:H	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG21	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CA	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HG	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CB	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB3	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE2	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:H	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG21	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CA	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CA	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HG	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CB	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB3	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE2	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HA	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:H	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG21	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CA	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HG	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CB	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB3	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE2	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:H	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG21	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CA	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HG	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CB	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB3	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE2	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:H	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG21	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CA	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HG	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CB	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB3	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE2	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:H	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG21	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CA	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HG	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CB	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB3	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE2	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:H	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG21	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB3	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CA	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HG	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CB	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB3	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE2	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD2	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:H	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG21	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CA	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HG	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CB	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB3	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE2	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:H	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG21	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CA	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CA	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HG	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CB	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB3	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE2	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HA	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:H	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG21	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CA	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HG	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CB	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB3	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE2	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:H	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG21	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CA	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HG	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CB	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB3	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE2	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:H	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG21	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CA	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HG	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CB	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB3	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE2	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:H	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG21	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CA	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HG	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CB	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB3	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE2	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:H	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG21	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB3	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CA	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HG	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CB	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB3	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE2	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD2	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:H	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG21	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CA	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HG	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CB	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB3	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE2	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:H	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG21	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CA	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CA	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HG	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CB	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB3	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE2	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HA	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:C	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CA	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CB	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG1	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG2	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:H	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HA	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HB	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG11	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG12	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG13	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG21	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG22	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG23	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:N	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:O	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:C	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CA	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CB	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CG	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:H	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HA	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB2	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB3	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:N	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:O	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD1	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD2	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:C	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CA	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CB	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:H	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HA	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB2	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB3	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HG	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:N	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:O	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:SG	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:C	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CA	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CB	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CD	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CG	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:H	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HA	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB2	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB3	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG2	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG3	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:N	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:O	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE1	1	2.43
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE2	1	2.43
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD22	9	2.42
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD21	9	2.42
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD23	9	2.42
(1,705)	1:A:122:LYS:HE3	1:A:122:LYS:HB3	1	2.42
(1,2113)	2:C:13:VAL:HG22	2:C:51:VAL:HB	9	2.42
(1,2113)	2:C:13:VAL:HG21	2:C:51:VAL:HB	9	2.42
(1,2113)	2:C:13:VAL:HG23	2:C:51:VAL:HB	9	2.42
(1,1353)	1:A:121:LEU:HD12	1:A:141:ASN:HD21	4	2.42
(1,1353)	1:A:121:LEU:HD11	1:A:141:ASN:HD21	4	2.42
(1,1353)	1:A:121:LEU:HD13	1:A:141:ASN:HD21	4	2.42
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD12	7	2.42
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD11	7	2.42
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD13	7	2.42
(1,1141)	1:A:82:GLN:H	1:A:80:LYS:HG2	3	2.42
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD22	10	2.41
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD21	10	2.41
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD23	10	2.41
(1,705)	1:A:122:LYS:HE3	1:A:122:LYS:HB3	8	2.41
(1,63)	1:A:83:ALA:HB2	1:A:85:LYS:HE3	1	2.41
(1,63)	1:A:83:ALA:HB1	1:A:85:LYS:HE3	1	2.41
(1,63)	1:A:83:ALA:HB3	1:A:85:LYS:HE3	1	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CB	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CB	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG11	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:N	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HA	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:SG	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:H	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:N	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CB	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG11	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:N	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HA	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:SG	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:H	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:N	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CB	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG11	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:N	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD1	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HA	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:SG	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:H	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:N	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CB	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG11	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:N	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HA	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:SG	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:H	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:N	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CB	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG11	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:N	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:H	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HA	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:SG	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:H	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:N	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:N	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CB	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG11	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:N	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HA	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:SG	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:H	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:N	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CB	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG11	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:N	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HA	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:SG	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:H	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:N	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CB	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CB	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG11	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:N	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HA	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:SG	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:H	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:N	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CB	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG11	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:N	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HA	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:SG	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:H	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:N	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CB	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG11	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:N	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD1	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HA	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:SG	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:H	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:N	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CB	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG11	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:N	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HA	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:SG	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:H	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:N	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CB	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG11	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:N	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:H	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HA	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:SG	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:H	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:N	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:N	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CB	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG11	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:N	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HA	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:SG	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:H	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:N	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CB	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG11	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:N	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HA	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:SG	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:H	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:N	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CB	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CB	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG11	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:N	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HA	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:SG	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:H	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:N	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CB	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG11	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:N	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HA	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:SG	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:H	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:N	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CB	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG11	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:N	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD1	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HA	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:SG	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:H	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:N	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CB	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG11	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:N	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HA	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:SG	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:H	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:N	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CB	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG11	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:N	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:H	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HA	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:SG	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:H	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:N	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:N	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CB	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG11	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:N	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HA	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:SG	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:H	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:N	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CB	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG11	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:N	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HA	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:SG	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:H	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:N	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CB	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:C	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CA	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CB	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG1	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG2	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:H	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HA	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HB	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG11	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG12	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG13	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG21	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG22	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG23	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:N	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:O	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:C	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CA	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CB	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CG	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:H	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HA	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB2	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB3	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:N	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:O	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD1	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD2	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:C	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CA	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CB	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:H	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HA	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB2	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB3	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HG	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:N	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:O	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:SG	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:C	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CA	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CB	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CD	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CG	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:H	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HA	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB2	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB3	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG2	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG3	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:N	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:O	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE1	3	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE2	3	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CB	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG11	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:N	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HA	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:SG	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:H	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:N	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE2	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CB	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG11	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:N	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD1	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HA	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:SG	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:H	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:N	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE2	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CB	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG11	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:N	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HA	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:SG	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:H	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:N	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE2	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CB	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG11	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:N	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:H	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HA	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:SG	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:H	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:N	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE2	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:N	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CB	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG11	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:N	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HA	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:SG	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:H	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:N	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE2	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CB	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG11	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:N	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HA	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:SG	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:H	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:N	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE2	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CB	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CB	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG11	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:N	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HA	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:SG	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:H	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:N	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE2	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CB	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG11	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:N	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HA	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:SG	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:H	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:N	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE2	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CB	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG11	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:N	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD1	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HA	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:SG	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:H	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:N	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE2	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CB	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG11	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:N	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HA	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:SG	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:H	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:N	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE2	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CB	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG11	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:N	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:H	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HA	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:SG	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:H	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:N	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE2	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:N	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CB	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG11	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:N	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HA	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:SG	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:H	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:N	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE2	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CB	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG11	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:N	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HA	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:SG	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:H	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:N	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE2	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CB	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CB	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG11	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:N	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HA	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:SG	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:H	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:N	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE2	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CB	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG11	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:N	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HA	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:SG	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:H	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:N	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE2	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CB	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG11	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:N	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD1	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HA	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:SG	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:H	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:N	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE2	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CB	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG11	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:N	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HA	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:SG	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:H	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:N	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE2	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CB	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG11	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:N	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:H	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HA	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:SG	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:H	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:N	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE2	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:N	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CB	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG11	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:N	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HA	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:SG	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:H	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:N	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE2	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CB	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG11	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:N	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HA	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:SG	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:H	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:N	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE2	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CB	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CB	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG11	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:N	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HA	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:SG	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:H	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:N	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE2	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:C	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CA	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CB	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG1	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG2	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:H	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HA	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HB	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG11	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG12	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG13	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG21	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG22	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG23	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:N	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:O	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:C	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CA	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CB	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CG	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:H	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HA	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB2	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB3	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:N	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:O	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD1	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD2	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:C	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CA	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CB	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:H	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HA	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB2	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB3	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HG	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:N	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:O	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:SG	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:C	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CA	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CB	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CD	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CG	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:H	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HA	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB2	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB3	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG2	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG3	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:N	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:O	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE1	8	2.41
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE2	8	2.41
(1,82)	1:A:148:ILE:HG22	1:A:150:PRO:HD2	10	2.4
(1,82)	1:A:148:ILE:HG21	1:A:150:PRO:HD2	10	2.4
(1,82)	1:A:148:ILE:HG23	1:A:150:PRO:HD2	10	2.4
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:H	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG21	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB3	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CA	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HG	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CB	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB3	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE2	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD2	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:H	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG21	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CA	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HG	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CB	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB3	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE2	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:H	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG21	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CA	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CA	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HG	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CB	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB3	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE2	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HA	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:H	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG21	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CA	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HG	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CB	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB3	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE2	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:H	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG21	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CA	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HG	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CB	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB3	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE2	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:H	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG21	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CA	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HG	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CB	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB3	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE2	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:H	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG21	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CA	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HG	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CB	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB3	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE2	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:H	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG21	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB3	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CA	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HG	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CB	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB3	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE2	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD2	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:H	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG21	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CA	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HG	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CB	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB3	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE2	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:H	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG21	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CA	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CA	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HG	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CB	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB3	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE2	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HA	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:H	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG21	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CA	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HG	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CB	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB3	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE2	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:H	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG21	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CA	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HG	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CB	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB3	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE2	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:H	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG21	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CA	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HG	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CB	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB3	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE2	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:H	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG21	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CA	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HG	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CB	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB3	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE2	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:H	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG21	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB3	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CA	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HG	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CB	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB3	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE2	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD2	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:H	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG21	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CA	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HG	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CB	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB3	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE2	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:H	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG21	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CA	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CA	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HG	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CB	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB3	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE2	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HA	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:H	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG21	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CA	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HG	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CB	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB3	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE2	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:H	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG21	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CA	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HG	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CB	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB3	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE2	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:H	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG21	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CA	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HG	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CB	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB3	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE2	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:H	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG21	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CA	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HG	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CB	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB3	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE2	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB3	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:C	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CA	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CB	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG1	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG2	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:H	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HA	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HB	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG11	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG12	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG13	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG21	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG22	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG23	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:N	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:O	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:C	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CA	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CB	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CG	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:H	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HA	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB2	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB3	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:N	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:O	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD1	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD2	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:C	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CA	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CB	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:H	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HA	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB2	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB3	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HG	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:N	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:O	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:SG	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:C	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CA	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CB	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CD	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CG	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:H	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HA	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB2	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB3	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG2	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG3	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:N	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:O	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE1	4	2.4
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE2	4	2.4
(1,860)	1:A:80:LYS:H	1:A:79:LYS:HD3	8	2.39
(1,2628)	2:B:37:MET:HB3	2:B:17:SER:HB3	9	2.39
(1,1141)	1:A:82:GLN:H	1:A:80:LYS:HG2	4	2.39
(1,736)	1:A:114:ILE:HG12	1:A:102:LYS:HB3	1	2.38
(1,63)	1:A:83:ALA:HB2	1:A:85:LYS:HE3	4	2.38
(1,63)	1:A:83:ALA:HB1	1:A:85:LYS:HE3	4	2.38
(1,63)	1:A:83:ALA:HB3	1:A:85:LYS:HE3	4	2.38
(1,57)	1:A:81:ILE:HD12	1:A:145:THR:HB	3	2.38
(1,57)	1:A:81:ILE:HD11	1:A:145:THR:HB	3	2.38
(1,57)	1:A:81:ILE:HD13	1:A:145:THR:HB	3	2.38
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CA	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CA	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HB	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG23	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:H	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:O	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CG	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG3	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE2	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CA	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HB	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG23	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:H	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:O	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CG	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG3	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE2	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CA	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HB	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG23	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:O	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:H	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:O	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CG	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG3	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE2	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CA	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HB	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG23	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:H	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:O	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CG	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG3	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE2	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CA	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HB	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG23	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CG	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:H	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:O	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CG	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG3	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE2	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB3	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CA	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HB	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG23	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:H	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:O	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CG	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG3	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE2	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CA	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HB	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG23	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:H	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:O	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CG	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG3	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE2	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CA	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CA	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HB	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG23	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:H	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:O	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CG	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG3	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE2	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CA	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HB	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG23	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:H	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:O	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CG	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG3	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE2	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CA	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HB	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG23	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:O	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:H	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:O	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CG	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG3	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE2	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CA	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HB	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG23	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:H	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:O	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CG	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG3	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE2	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CA	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HB	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG23	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CG	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:H	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:O	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CG	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG3	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE2	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB3	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CA	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HB	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG23	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:H	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:O	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CG	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG3	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE2	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CA	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HB	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG23	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:H	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:O	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CG	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG3	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE2	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CA	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CA	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HB	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG23	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:H	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:O	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CG	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG3	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE2	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CA	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HB	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG23	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:H	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:O	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CG	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG3	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE2	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CA	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HB	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG23	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:O	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:H	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:O	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CG	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG3	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE2	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CA	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HB	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG23	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:H	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:O	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CG	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG3	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE2	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CA	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HB	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG23	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CG	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:H	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:O	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CG	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG3	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE2	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB3	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CA	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HB	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG23	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:H	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:O	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CG	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG3	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE2	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CA	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HB	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG23	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:H	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:O	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CG	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG3	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE2	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CA	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:C	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CA	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CB	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG1	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG2	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:H	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HA	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HB	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG11	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG12	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG13	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG21	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG22	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG23	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:N	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:O	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:C	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CA	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CB	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CG	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:H	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HA	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB2	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB3	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:N	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:O	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD1	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD2	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:C	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CA	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CB	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:H	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HA	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB2	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB3	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HG	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:N	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:O	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:SG	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:C	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CA	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CB	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CD	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CG	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:H	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HA	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB2	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB3	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG2	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG3	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:N	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:O	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE1	6	2.38
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE2	6	2.38
(1,860)	1:A:80:LYS:H	1:A:79:LYS:HD3	7	2.37
(1,2629)	2:C:37:MET:HB3	2:C:17:SER:HB3	9	2.37
(1,2629)	2:C:37:MET:HB3	2:C:17:SER:HB3	10	2.37
(1,1141)	1:A:82:GLN:H	1:A:80:LYS:HG2	6	2.37
(1,73)	1:A:88:ILE:HG22	1:A:90:HIS:HE1	10	2.36
(1,73)	1:A:88:ILE:HG21	1:A:90:HIS:HE1	10	2.36
(1,73)	1:A:88:ILE:HG23	1:A:90:HIS:HE1	10	2.36
(1,700)	1:A:79:LYS:HE3	1:A:81:ILE:HA	7	2.36
(1,57)	1:A:81:ILE:HD12	1:A:145:THR:HB	5	2.36
(1,57)	1:A:81:ILE:HD11	1:A:145:THR:HB	5	2.36
(1,57)	1:A:81:ILE:HD13	1:A:145:THR:HB	5	2.36
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD22	6	2.35
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD21	6	2.35
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD23	6	2.35
(1,700)	1:A:79:LYS:HE3	1:A:81:ILE:HA	2	2.35
(1,1141)	1:A:82:GLN:H	1:A:80:LYS:HG2	8	2.35
(1,860)	1:A:80:LYS:H	1:A:79:LYS:HD3	2	2.34
(1,860)	1:A:80:LYS:H	1:A:79:LYS:HD3	3	2.33
(1,1452)	1:A:105:LEU:HD22	1:A:90:HIS:HE1	4	2.33
(1,1452)	1:A:105:LEU:HD21	1:A:90:HIS:HE1	4	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1452)	1:A:105:LEU:HD23	1:A:90:HIS:HE1	4	2.33
(1,1452)	1:A:78:LEU:HD22	1:A:90:HIS:HE1	4	2.33
(1,1452)	1:A:78:LEU:HD21	1:A:90:HIS:HE1	4	2.33
(1,1452)	1:A:78:LEU:HD23	1:A:90:HIS:HE1	4	2.33
(1,860)	1:A:80:LYS:H	1:A:79:LYS:HD3	5	2.31
(1,1457)	1:A:120:LEU:HD22	1:A:118:LYS:HE3	5	2.31
(1,1457)	1:A:120:LEU:HD21	1:A:118:LYS:HE3	5	2.31
(1,1457)	1:A:120:LEU:HD23	1:A:118:LYS:HE3	5	2.31
(1,1457)	1:A:126:LEU:HD22	1:A:124:LYS:HE2	5	2.31
(1,1457)	1:A:126:LEU:HD21	1:A:124:LYS:HE2	5	2.31
(1,1457)	1:A:126:LEU:HD23	1:A:124:LYS:HE2	5	2.31
(1,804)	1:A:121:LEU:HD22	1:A:141:ASN:HD21	4	2.3
(1,804)	1:A:121:LEU:HD21	1:A:141:ASN:HD21	4	2.3
(1,804)	1:A:121:LEU:HD23	1:A:141:ASN:HD21	4	2.3
(1,2521)	2:C:51:VAL:HA	2:C:54:ILE:HD12	9	2.3
(1,2521)	2:C:51:VAL:HA	2:C:54:ILE:HD11	9	2.3
(1,2521)	2:C:51:VAL:HA	2:C:54:ILE:HD13	9	2.3
(1,1457)	1:A:120:LEU:HD22	1:A:118:LYS:HE3	10	2.3
(1,1457)	1:A:120:LEU:HD21	1:A:118:LYS:HE3	10	2.3
(1,1457)	1:A:120:LEU:HD23	1:A:118:LYS:HE3	10	2.3
(1,1457)	1:A:126:LEU:HD22	1:A:124:LYS:HE2	10	2.3
(1,1457)	1:A:126:LEU:HD21	1:A:124:LYS:HE2	10	2.3
(1,1457)	1:A:126:LEU:HD23	1:A:124:LYS:HE2	10	2.3
(1,57)	1:A:81:ILE:HD12	1:A:145:THR:HB	6	2.29
(1,57)	1:A:81:ILE:HD11	1:A:145:THR:HB	6	2.29
(1,57)	1:A:81:ILE:HD13	1:A:145:THR:HB	6	2.29
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG1	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG12	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:O	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB2	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:C	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HA	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:O	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE2	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG1	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG12	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:O	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HA	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB2	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:C	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HA	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:O	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE2	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:O	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG1	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG12	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:O	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB2	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:C	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HA	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:O	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE2	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG1	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG12	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:O	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB2	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:C	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HA	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:O	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE2	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CG	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG1	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG12	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:O	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB2	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:C	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HA	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:O	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE2	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG1	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG12	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:O	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB2	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:C	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HA	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:O	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE2	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG1	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG12	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:O	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD2	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB2	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:C	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HA	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:O	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE2	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG1	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG12	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:O	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB2	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:C	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HA	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:O	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE2	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG1	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG12	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:O	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HA	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB2	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:C	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HA	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:O	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE2	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:O	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG1	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG12	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:O	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB2	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:C	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HA	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:O	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE2	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG1	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG12	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:O	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB2	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:C	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HA	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:O	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE2	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CG	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG1	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG12	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:O	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB2	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:C	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HA	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:O	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE2	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG1	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG12	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:O	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB2	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:C	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HA	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:O	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE2	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG1	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG12	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:O	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD2	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB2	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:C	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HA	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:O	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE2	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG1	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG12	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:O	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB2	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:C	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HA	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:O	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE2	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG1	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG12	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:O	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HA	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB2	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:C	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HA	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:O	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE2	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:O	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG1	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG12	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:O	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB2	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:C	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HA	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:O	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE2	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG1	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG12	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:O	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB2	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:C	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HA	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:O	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE2	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CG	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG1	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG12	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:O	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB2	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:C	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HA	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:O	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE2	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG1	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG12	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:O	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB2	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:C	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HA	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:O	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE2	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG1	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG12	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:O	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD2	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB2	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:C	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HA	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:O	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE2	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:C	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CA	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CB	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG1	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG2	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:H	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HA	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HB	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG11	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG12	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG13	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG21	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG22	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG23	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:N	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:O	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:C	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CA	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CB	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CG	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:H	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HA	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB2	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB3	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:N	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:O	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD1	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD2	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:C	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CA	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CB	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:H	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HA	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB2	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB3	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HG	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:N	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:O	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:SG	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:C	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CA	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CB	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CD	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CG	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:H	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HA	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB2	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB3	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG2	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG3	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:N	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:O	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE1	2	2.29
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE2	2	2.29
(1,1141)	1:A:82:GLN:H	1:A:80:LYS:HG2	7	2.29
(1,95)	1:A:74:VAL:HG12	1:A:94:PRO:HD3	10	2.28
(1,95)	1:A:74:VAL:HG11	1:A:94:PRO:HD3	10	2.28
(1,95)	1:A:74:VAL:HG13	1:A:94:PRO:HD3	10	2.28
(1,860)	1:A:80:LYS:H	1:A:79:LYS:HD3	4	2.28
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG2	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG13	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:C	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:C	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB3	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CA	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB2	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE1	9	2.27
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE2	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:H	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG2	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG13	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:C	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB3	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CA	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB2	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE1	9	2.27
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE2	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG2	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG13	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:C	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB3	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CA	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB2	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE1	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE2	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG2	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG13	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:C	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB3	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CA	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB2	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE1	9	2.27
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE2	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG2	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG13	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:C	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB3	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CA	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB2	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE1	9	2.27
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE2	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG2	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG13	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB2	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:C	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB3	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CA	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB2	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE1	9	2.27
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE2	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD1	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG2	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG13	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:C	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB3	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CA	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB2	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE1	9	2.27
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE2	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG2	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG13	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:C	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:C	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB3	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CA	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB2	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE1	9	2.27
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE2	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:H	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG2	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG13	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:C	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB3	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CA	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB2	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE1	9	2.27
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE2	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG2	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG13	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:C	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB3	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CA	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB2	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE1	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE2	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG2	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG13	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:C	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB3	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CA	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB2	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE1	9	2.27
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE2	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG2	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG13	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:C	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB3	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CA	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB2	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE1	9	2.27
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE2	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG2	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG13	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB2	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:C	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB3	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CA	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB2	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE1	9	2.27
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE2	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD1	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG2	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG13	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:C	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB3	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CA	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB2	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE1	9	2.27
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE2	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG2	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG13	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:C	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:C	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB3	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CA	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB2	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE1	9	2.27
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE2	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:H	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG2	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG13	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:C	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB3	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CA	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB2	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE1	9	2.27
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE2	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG2	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG13	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:C	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB3	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CA	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB2	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE1	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE2	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG2	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG13	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:C	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB3	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CA	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB2	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE1	9	2.27
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE2	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG2	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG13	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:C	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB3	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CA	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB2	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE1	9	2.27
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE2	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG2	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG13	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB2	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:C	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB3	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CA	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB2	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE1	9	2.27
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE2	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD1	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG2	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG13	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:C	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB3	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CA	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB2	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE1	9	2.27
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE2	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:C	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:C	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CA	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CB	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG1	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG2	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:H	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HA	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HB	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG11	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG12	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG13	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG21	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG22	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG23	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:N	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:O	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:C	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CA	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CB	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CG	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:H	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HA	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB2	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB3	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:N	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:O	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD1	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD2	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:C	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CA	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CB	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:H	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HA	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB2	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB3	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HG	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:N	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:O	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:SG	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:C	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CA	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CB	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CD	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CG	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:H	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HA	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB2	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB3	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG2	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG3	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:N	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:O	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE1	9	2.27
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE2	9	2.27
(1,2628)	2:B:37:MET:HB3	2:B:17:SER:HB3	1	2.27
(1,2616)	2:B:51:VAL:HG22	2:B:46:PHE:HZ	2	2.27
(1,2616)	2:B:51:VAL:HG21	2:B:46:PHE:HZ	2	2.27
(1,2616)	2:B:51:VAL:HG23	2:B:46:PHE:HZ	2	2.27
(1,82)	1:A:148:ILE:HG22	1:A:150:PRO:HD2	5	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:A:148:ILE:HG21	1:A:150:PRO:HD2	5	2.26
(1,82)	1:A:148:ILE:HG23	1:A:150:PRO:HD2	5	2.26
(1,790)	1:A:126:LEU:HG	1:A:124:LYS:HE3	5	2.26
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CB	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG11	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:N	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD1	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HA	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:SG	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:H	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:N	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE2	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CB	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG11	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:N	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HA	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:SG	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:H	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:N	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE2	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CB	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG11	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:N	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:H	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HA	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:SG	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:H	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:N	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE2	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:N	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CB	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG11	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:N	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HA	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:SG	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:H	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:N	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE2	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CB	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG11	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:N	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HA	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:SG	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:H	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:N	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE2	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CB	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CB	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG11	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:N	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HA	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:SG	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:H	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:N	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE2	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CB	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG11	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:N	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HA	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:SG	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:H	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:N	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE2	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CB	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG11	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:N	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD1	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HA	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:SG	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:H	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:N	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE2	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CB	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG11	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:N	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HA	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:SG	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:H	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:N	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE2	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CB	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG11	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:N	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:H	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HA	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:SG	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:H	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:N	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE2	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:N	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CB	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG11	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:N	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HA	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:SG	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:H	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:N	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE2	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CB	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG11	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:N	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HA	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:SG	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:H	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:N	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE2	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CB	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CB	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG11	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:N	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HA	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:SG	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:H	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:N	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE2	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CB	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG11	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:N	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HA	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:SG	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:H	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:N	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE2	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CB	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG11	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:N	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD1	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HA	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:SG	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:H	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:N	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE2	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CB	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG11	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:N	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HA	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:SG	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:H	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:N	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE2	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CB	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG11	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:N	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:H	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HA	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:SG	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:H	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:N	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE2	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:N	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CB	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG11	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:N	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HA	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:SG	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:H	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:N	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE2	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CB	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG11	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:N	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HA	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:SG	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:H	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:N	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE2	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CB	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CB	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG11	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:N	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HA	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:SG	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:H	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:N	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE2	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CB	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG11	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:N	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HA	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:SG	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:H	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:N	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE2	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD1	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:C	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CA	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CB	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG1	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG2	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:H	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HA	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HB	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG11	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG12	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG13	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG21	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG22	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG23	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:N	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:O	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:C	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CA	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CB	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CG	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:H	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HA	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB2	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB3	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:N	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:O	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD1	7	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD2	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:C	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CA	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CB	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:H	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HA	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB2	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB3	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HG	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:N	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:O	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:SG	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:C	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CA	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CB	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CD	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CG	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:H	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HA	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB2	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB3	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG2	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG3	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:N	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:O	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE1	7	2.26
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE2	7	2.26
(1,135)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	1	2.26
(1,135)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	1	2.26
(1,135)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	1	2.26
(1,2615)	2:C:13:VAL:HG12	2:C:48:ARG:HG2	10	2.25
(1,2615)	2:C:13:VAL:HG11	2:C:48:ARG:HG2	10	2.25
(1,2615)	2:C:13:VAL:HG13	2:C:48:ARG:HG2	10	2.25
(1,834)	1:A:85:LYS:HE3	1:A:82:GLN:HA	1	2.24
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG22	7	2.23
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG21	7	2.23
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG23	7	2.23
(1,673)	1:A:81:ILE:HG13	1:A:145:THR:HA	2	2.21
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CG	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG1	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG12	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:O	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB2	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:C	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HA	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:O	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE2	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG1	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG12	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:O	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB2	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:C	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HA	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:O	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE2	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG1	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG12	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:O	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD2	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB2	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:C	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HA	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:O	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE2	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG1	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG12	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:O	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB2	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:C	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HA	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:O	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE2	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG1	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG12	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:O	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HA	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB2	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:C	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HA	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:O	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE2	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:O	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG1	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG12	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:O	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB2	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:C	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HA	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:O	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE2	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG1	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG12	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:O	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB2	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:C	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HA	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:O	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE2	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CG	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG1	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG12	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:O	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB2	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:C	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HA	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:O	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE2	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG1	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG12	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:O	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB2	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:C	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HA	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:O	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE2	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG1	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG12	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:O	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD2	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB2	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:C	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HA	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:O	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE2	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG1	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG12	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:O	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB2	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:C	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HA	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:O	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE2	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG1	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG12	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:O	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HA	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB2	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:C	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HA	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:O	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE2	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:O	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG1	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG12	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:O	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB2	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:C	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HA	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:O	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE2	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG1	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG12	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:O	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB2	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:C	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HA	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:O	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE2	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CG	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG1	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG12	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:O	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB2	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:C	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HA	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:O	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE2	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG1	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG12	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:O	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB2	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:C	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HA	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:O	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE2	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG1	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG12	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:O	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD2	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB2	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:C	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HA	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:O	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE2	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG1	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG12	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:O	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB2	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:C	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HA	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:O	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE2	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG1	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG12	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:O	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HA	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB2	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:C	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HA	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:O	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE2	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:O	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG1	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG12	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:O	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB2	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:C	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HA	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:O	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE2	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG1	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG12	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:O	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB2	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:C	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HA	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:O	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE2	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CG	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:C	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CA	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CB	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG1	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG2	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:H	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HA	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HB	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG11	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG12	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG13	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG21	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG22	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG23	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:N	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:O	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:C	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CA	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CB	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CG	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:H	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HA	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB2	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB3	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:N	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:O	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD1	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD2	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:C	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CA	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CB	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:H	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HA	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB2	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB3	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HG	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:N	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:O	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:SG	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:C	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CA	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CB	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CD	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CG	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:H	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HA	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB2	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB3	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG2	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG3	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:N	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:O	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE1	1	2.21
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE2	1	2.21
(1,82)	1:A:148:ILE:HG22	1:A:150:PRO:HD2	9	2.2
(1,82)	1:A:148:ILE:HG21	1:A:150:PRO:HD2	9	2.2
(1,82)	1:A:148:ILE:HG23	1:A:150:PRO:HD2	9	2.2
(1,157)	1:A:99:LEU:HD22	1:A:103:GLN:HE22	8	2.2
(1,157)	1:A:99:LEU:HD21	1:A:103:GLN:HE22	8	2.2
(1,157)	1:A:99:LEU:HD23	1:A:103:GLN:HE22	8	2.2
(1,82)	1:A:148:ILE:HG22	1:A:150:PRO:HD2	4	2.19
(1,82)	1:A:148:ILE:HG21	1:A:150:PRO:HD2	4	2.19
(1,82)	1:A:148:ILE:HG23	1:A:150:PRO:HD2	4	2.19
(1,82)	1:A:148:ILE:HG22	1:A:150:PRO:HD2	1	2.18
(1,82)	1:A:148:ILE:HG21	1:A:150:PRO:HD2	1	2.18
(1,82)	1:A:148:ILE:HG23	1:A:150:PRO:HD2	1	2.18
(1,63)	1:A:83:ALA:HB2	1:A:85:LYS:HE3	7	2.18
(1,63)	1:A:83:ALA:HB1	1:A:85:LYS:HE3	7	2.18
(1,63)	1:A:83:ALA:HB3	1:A:85:LYS:HE3	7	2.18
(1,93)	1:A:74:VAL:HG12	1:A:93:SER:HA	3	2.17
(1,93)	1:A:74:VAL:HG11	1:A:93:SER:HA	3	2.17
(1,93)	1:A:74:VAL:HG13	1:A:93:SER:HA	3	2.17
(1,860)	1:A:80:LYS:H	1:A:79:LYS:HD3	9	2.16
(1,1172)	1:A:85:LYS:HE3	1:A:83:ALA:H	1	2.16
(1,2786)	2:B:20:VAL:HG12	2:B:34:ASN:HD22	3	2.15
(1,2786)	2:B:20:VAL:HG11	2:B:34:ASN:HD22	3	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2786)	2:B:20:VAL:HG13	2:B:34:ASN:HD22	3	2.15
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG2	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG13	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:C	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB3	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CA	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB2	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE1	10	2.14
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE2	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG2	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG13	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:C	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB3	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CA	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB2	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE1	10	2.14
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE2	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG2	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG13	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB2	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:C	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB3	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CA	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB2	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE1	10	2.14
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE2	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD1	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG2	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG13	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:C	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB3	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CA	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB2	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE1	10	2.14
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE2	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG2	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG13	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:C	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:C	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB3	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CA	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB2	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE1	10	2.14
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE2	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:H	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG2	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG13	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:C	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB3	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CA	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB2	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE1	10	2.14
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE2	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG2	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG13	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:C	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB3	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CA	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB2	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE1	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE2	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG2	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG13	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:C	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB3	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CA	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB2	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE1	10	2.14
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE2	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG2	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG13	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:C	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB3	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CA	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB2	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE1	10	2.14
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE2	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG2	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG13	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB2	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:C	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB3	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CA	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB2	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE1	10	2.14
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE2	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD1	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG2	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG13	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:C	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB3	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CA	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB2	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE1	10	2.14
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE2	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG2	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG13	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:C	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:C	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB3	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CA	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB2	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE1	10	2.14
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE2	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:H	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG2	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG13	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:C	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB3	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CA	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB2	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE1	10	2.14
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE2	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG2	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG13	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:C	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB3	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CA	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB2	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE1	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE2	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG2	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG13	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:C	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB3	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CA	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB2	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE1	10	2.14
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE2	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG2	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG13	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:C	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB3	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CA	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB2	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE1	10	2.14
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE2	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG2	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG13	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB2	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:C	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB3	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CA	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB2	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE1	10	2.14
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE2	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD1	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG2	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG13	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:C	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB3	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CA	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB2	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE1	10	2.14
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE2	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG2	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG13	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:C	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:C	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB3	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CA	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB2	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE1	10	2.14
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE2	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:H	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG2	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG13	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:C	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB3	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CA	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB2	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE1	10	2.14
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE2	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG2	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG13	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:C	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB3	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CA	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB2	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE1	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE2	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:C	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CA	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CB	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG1	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG2	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:H	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HA	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HB	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG11	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG12	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG13	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG21	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG22	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG23	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:N	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:O	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:C	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CA	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CB	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CG	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:H	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HA	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB2	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB3	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:N	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:O	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD1	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD2	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:C	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CA	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CB	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:H	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HA	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB2	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB3	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HG	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:N	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:O	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:SG	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:C	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CA	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CB	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CD	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CG	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:H	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HA	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB2	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB3	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG2	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG3	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:N	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:O	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE1	10	2.14
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE2	10	2.14
(1,1141)	1:A:82:GLN:H	1:A:80:LYS:HG2	1	2.14
(1,93)	1:A:74:VAL:HG12	1:A:93:SER:HA	4	2.13
(1,93)	1:A:74:VAL:HG11	1:A:93:SER:HA	4	2.13
(1,93)	1:A:74:VAL:HG13	1:A:93:SER:HA	4	2.13
(1,93)	1:A:74:VAL:HG12	1:A:93:SER:HA	9	2.11
(1,93)	1:A:74:VAL:HG11	1:A:93:SER:HA	9	2.11
(1,93)	1:A:74:VAL:HG13	1:A:93:SER:HA	9	2.11
(1,1295)	1:A:129:ASN:H	1:A:97:THR:HB	5	2.11
(1,93)	1:A:74:VAL:HG12	1:A:93:SER:HA	10	2.1
(1,93)	1:A:74:VAL:HG11	1:A:93:SER:HA	10	2.1
(1,93)	1:A:74:VAL:HG13	1:A:93:SER:HA	10	2.1
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD12	1	2.1
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD11	1	2.1
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD13	1	2.1
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD12	7	2.1
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD11	7	2.1
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD13	7	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:A:148:ILE:HG22	1:A:150:PRO:HD2	3	2.09
(1,82)	1:A:148:ILE:HG21	1:A:150:PRO:HD2	3	2.09
(1,82)	1:A:148:ILE:HG23	1:A:150:PRO:HD2	3	2.09
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD22	2	2.09
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD21	2	2.09
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD23	2	2.09
(1,57)	1:A:81:ILE:HD12	1:A:145:THR:HB	1	2.09
(1,57)	1:A:81:ILE:HD11	1:A:145:THR:HB	1	2.09
(1,57)	1:A:81:ILE:HD13	1:A:145:THR:HB	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:C	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CA	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CB	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CG	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:H	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HA	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB2	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB3	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:N	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:O	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD1	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD2	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:C	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CA	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CB	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG1	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG2	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:H	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HA	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HB	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG11	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG12	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG13	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG21	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG22	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG23	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:N	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:O	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:C	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CA	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CB	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CG	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:H	1	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HA	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB2	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB3	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:N	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:O	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD1	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD2	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:C	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CA	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CB	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:H	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HA	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB2	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB3	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HG	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:N	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:O	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:SG	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:C	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CA	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CB	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CD	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CG	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:H	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HA	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB2	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB3	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG2	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG3	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:N	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:O	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE1	1	2.09
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE2	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:C	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CA	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CB	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CG	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:H	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HA	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB2	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB3	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:N	1	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:O	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD1	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD2	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:C	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CA	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CB	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG1	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG2	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:H	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HA	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HB	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG11	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG12	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG13	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG21	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG22	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG23	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:N	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:O	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:C	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CA	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CB	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CG	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:H	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HA	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB2	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB3	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:N	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:O	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD1	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD2	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:C	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CA	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CB	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:H	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HA	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB2	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB3	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HG	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:N	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:O	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:SG	1	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:C	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CA	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CB	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CD	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CG	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:H	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HA	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB2	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB3	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG2	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG3	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:N	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:O	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE1	1	2.09
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE2	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:C	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CA	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CB	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CG	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:H	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HA	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB2	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB3	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:N	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:O	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD1	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD2	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:C	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CA	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CB	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG1	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG2	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:H	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HA	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HB	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG11	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG12	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG13	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG21	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG22	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG23	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:N	1	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:O	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:C	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CA	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CB	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CG	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:H	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HA	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB2	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB3	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:N	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:O	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD1	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD2	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:C	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CA	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CB	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:H	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HA	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB2	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB3	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HG	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:N	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:O	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:SG	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:C	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CA	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CB	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CD	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CG	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:H	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HA	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB2	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB3	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG2	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG3	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:N	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:O	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE1	1	2.09
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE2	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:C	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CA	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CB	1	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CG	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:H	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HA	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB2	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB3	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:N	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:O	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD1	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD2	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:C	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CA	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CB	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG1	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG2	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:H	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HA	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HB	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG11	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG12	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG13	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG21	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG22	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG23	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:N	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:O	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:C	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CA	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CB	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CG	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:H	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HA	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB2	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB3	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:N	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:O	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD1	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD2	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:C	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CA	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CB	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:H	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HA	1	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB2	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB3	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HG	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:N	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:O	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:SG	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:C	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CA	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CB	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CD	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CG	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:H	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HA	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB2	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB3	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG2	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG3	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:N	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:O	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE1	1	2.09
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE2	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:C	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CA	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CB	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CG	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:H	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HA	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB2	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB3	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:N	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:O	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD1	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD2	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:C	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CA	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CB	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG1	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG2	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:H	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HA	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HB	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG11	1	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG12	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG13	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG21	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG22	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG23	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:N	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:O	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:C	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CA	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CB	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CG	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:H	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HA	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB2	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB3	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:N	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:O	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD1	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD2	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:C	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CA	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CB	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:H	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HA	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB2	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB3	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HG	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:N	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:O	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:SG	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:C	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CA	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CB	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CD	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CG	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:H	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HA	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB2	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB3	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG2	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG3	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:N	1	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:O	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE1	1	2.09
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE2	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:C	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CA	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CB	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CG	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:H	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HA	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB2	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB3	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:N	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:O	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD1	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD2	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:C	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CA	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CB	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG1	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG2	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:H	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HA	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HB	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG11	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG12	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG13	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG21	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG22	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG23	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:N	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:O	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:C	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CA	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CB	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CG	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:H	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HA	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB2	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB3	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:N	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:O	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD1	1	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD2	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:C	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CA	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CB	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:H	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HA	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB2	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB3	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HG	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:N	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:O	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:SG	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:C	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CA	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CB	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CD	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CG	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:H	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HA	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB2	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB3	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG2	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG3	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:N	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:O	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE1	1	2.09
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE2	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:C	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CA	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CB	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CG	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:H	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HA	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB2	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB3	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:N	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:O	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD1	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD2	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:C	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CA	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CB	1	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG1	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG2	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:H	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HA	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HB	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG11	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG12	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG13	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG21	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG22	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG23	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:N	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:O	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:C	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CA	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CB	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CG	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:H	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HA	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB2	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB3	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:N	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:O	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD1	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD2	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:C	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CA	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CB	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:H	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HA	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB2	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB3	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HG	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:N	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:O	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:SG	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:C	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CA	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CB	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CD	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CG	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:H	1	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HA	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB2	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB3	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG2	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG3	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:N	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:O	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE1	1	2.09
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE2	1	2.09
(1,2299)	2:C:19:ILE:HA	2:C:22:LYS:HD3	1	2.09
(1,82)	1:A:148:ILE:HG22	1:A:150:PRO:HD2	6	2.08
(1,82)	1:A:148:ILE:HG21	1:A:150:PRO:HD2	6	2.08
(1,82)	1:A:148:ILE:HG23	1:A:150:PRO:HD2	6	2.08
(1,2388)	2:B:20:VAL:HG22	2:B:34:ASN:HD22	6	2.08
(1,2388)	2:B:20:VAL:HG21	2:B:34:ASN:HD22	6	2.08
(1,2388)	2:B:20:VAL:HG23	2:B:34:ASN:HD22	6	2.08
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD12	4	2.08
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD11	4	2.08
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD13	4	2.08
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD12	6	2.07
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD11	6	2.07
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD13	6	2.07
(1,179)	1:A:120:LEU:HD22	1:A:147:MET:HG3	7	2.07
(1,179)	1:A:120:LEU:HD21	1:A:147:MET:HG3	7	2.07
(1,179)	1:A:120:LEU:HD23	1:A:147:MET:HG3	7	2.07
(1,13)	1:A:119:LEU:HD22	1:A:98:ILE:HA	5	2.07
(1,13)	1:A:119:LEU:HD21	1:A:98:ILE:HA	5	2.07
(1,13)	1:A:119:LEU:HD23	1:A:98:ILE:HA	5	2.07
(1,834)	1:A:85:LYS:HE3	1:A:82:GLN:HA	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:C	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CA	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CB	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CG	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:H	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HA	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB2	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB3	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:N	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:O	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD1	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD2	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:C	10	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CA	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CB	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG1	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG2	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:H	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HA	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HB	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG11	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG12	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG13	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG21	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG22	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG23	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:N	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:O	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:C	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CA	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CB	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CG	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:H	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HA	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB2	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB3	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:N	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:O	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD1	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD2	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:C	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CA	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CB	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:H	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HA	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB2	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB3	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HG	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:N	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:O	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:SG	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:C	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CA	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CB	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CD	10	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CG	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:H	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HA	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB2	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB3	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG2	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG3	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:N	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:O	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE1	10	2.06
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE2	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:C	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CA	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CB	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CG	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:H	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HA	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB2	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB3	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:N	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:O	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD1	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD2	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:C	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CA	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CB	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG1	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG2	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:H	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HA	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HB	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG11	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG12	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG13	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG21	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG22	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG23	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:N	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:O	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:C	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CA	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CB	10	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CG	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:H	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HA	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB2	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB3	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:N	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:O	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD1	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD2	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:C	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CA	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CB	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:H	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HA	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB2	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB3	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HG	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:N	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:O	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:SG	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:C	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CA	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CB	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CD	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CG	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:H	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HA	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB2	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB3	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG2	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG3	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:N	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:O	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE1	10	2.06
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE2	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:C	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CA	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CB	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CG	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:H	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HA	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB2	10	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB3	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:N	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:O	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD1	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD2	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:C	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CA	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CB	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG1	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG2	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:H	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HA	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HB	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG11	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG12	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG13	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG21	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG22	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG23	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:N	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:O	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:C	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CA	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CB	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CG	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:H	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HA	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB2	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB3	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:N	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:O	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD1	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD2	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:C	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CA	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CB	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:H	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HA	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB2	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB3	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HG	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:N	10	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:O	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:SG	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:C	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CA	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CB	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CD	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CG	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:H	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HA	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB2	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB3	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG2	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG3	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:N	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:O	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE1	10	2.06
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE2	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:C	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CA	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CB	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CG	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:H	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HA	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB2	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB3	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:N	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:O	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD1	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD2	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:C	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CA	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CB	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG1	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG2	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:H	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HA	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HB	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG11	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG12	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG13	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG21	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG22	10	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG23	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:N	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:O	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:C	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CA	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CB	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CG	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:H	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HA	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB2	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB3	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:N	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:O	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD1	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD2	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:C	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CA	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CB	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:H	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HA	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB2	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB3	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HG	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:N	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:O	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:SG	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:C	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CA	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CB	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CD	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CG	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:H	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HA	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB2	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB3	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG2	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG3	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:N	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:O	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE1	10	2.06
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE2	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:C	10	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CA	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CB	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CG	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:H	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HA	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB2	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB3	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:N	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:O	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD1	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD2	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:C	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CA	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CB	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG1	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG2	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:H	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HA	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HB	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG11	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG12	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG13	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG21	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG22	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG23	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:N	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:O	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:C	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CA	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CB	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CG	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:H	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HA	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB2	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB3	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:N	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:O	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD1	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD2	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:C	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CA	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CB	10	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:H	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HA	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB2	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB3	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HG	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:N	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:O	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:SG	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:C	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CA	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CB	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CD	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CG	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:H	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HA	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB2	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB3	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG2	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG3	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:N	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:O	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE1	10	2.06
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE2	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:C	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CA	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CB	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CG	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:H	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HA	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB2	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB3	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:N	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:O	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD1	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD2	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:C	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CA	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CB	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG1	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG2	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:H	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HA	10	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HB	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG11	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG12	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG13	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG21	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG22	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG23	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:N	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:O	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:C	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CA	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CB	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CG	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:H	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HA	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB2	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB3	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:N	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:O	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD1	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD2	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:C	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CA	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CB	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:H	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HA	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB2	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB3	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HG	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:N	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:O	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:SG	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:C	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CA	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CB	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CD	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CG	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:H	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HA	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB2	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB3	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG2	10	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG3	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:N	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:O	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE1	10	2.06
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE2	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:C	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CA	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CB	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CG	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:H	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HA	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB2	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB3	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:N	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:O	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD1	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD2	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:C	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CA	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CB	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG1	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG2	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:H	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HA	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HB	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG11	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG12	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG13	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG21	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG22	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG23	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:N	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:O	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:C	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CA	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CB	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CG	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:H	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HA	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB2	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB3	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:N	10	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:O	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD1	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD2	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:C	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CA	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CB	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:H	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HA	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB2	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB3	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HG	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:N	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:O	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:SG	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:C	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CA	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CB	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CD	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CG	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:H	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HA	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB2	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB3	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG2	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG3	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:N	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:O	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE1	10	2.06
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE2	10	2.06
(1,2628)	2:B:37:MET:HB3	2:B:17:SER:HB3	10	2.06
(1,2298)	2:B:19:ILE:HA	2:B:22:LYS:HD3	10	2.06
(1,2890)	2:B:21:GLU:HA	2:B:23:LYS:HE3	10	2.05
(1,2629)	2:C:37:MET:HB3	2:C:17:SER:HB3	4	2.05
(1,2786)	2:B:20:VAL:HG12	2:B:34:ASN:HD22	7	2.04
(1,2786)	2:B:20:VAL:HG11	2:B:34:ASN:HD22	7	2.04
(1,2786)	2:B:20:VAL:HG13	2:B:34:ASN:HD22	7	2.04
(1,179)	1:A:120:LEU:HD22	1:A:147:MET:HG3	5	2.04
(1,179)	1:A:120:LEU:HD21	1:A:147:MET:HG3	5	2.04
(1,179)	1:A:120:LEU:HD23	1:A:147:MET:HG3	5	2.04
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD22	4	2.03
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD21	4	2.03
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD23	4	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2071)	2:C:51:VAL:HG22	2:C:14:ASN:HA	9	2.03
(1,2071)	2:C:51:VAL:HG21	2:C:14:ASN:HA	9	2.03
(1,2071)	2:C:51:VAL:HG23	2:C:14:ASN:HA	9	2.03
(1,2786)	2:B:20:VAL:HG12	2:B:34:ASN:HD22	8	2.02
(1,2786)	2:B:20:VAL:HG11	2:B:34:ASN:HD22	8	2.02
(1,2786)	2:B:20:VAL:HG13	2:B:34:ASN:HD22	8	2.02
(1,2628)	2:B:37:MET:HB3	2:B:17:SER:HB3	4	2.02
(1,2534)	2:B:36:ALA:HB2	2:C:40:ILE:HG13	2	2.02
(1,2534)	2:B:36:ALA:HB1	2:C:40:ILE:HG13	2	2.02
(1,2534)	2:B:36:ALA:HB3	2:C:40:ILE:HG13	2	2.02
(1,664)	1:A:119:LEU:HD12	1:A:146:VAL:HA	5	2.01
(1,664)	1:A:119:LEU:HD11	1:A:146:VAL:HA	5	2.01
(1,664)	1:A:119:LEU:HD13	1:A:146:VAL:HA	5	2.01
(1,2298)	2:B:19:ILE:HA	2:B:22:LYS:HD3	9	2.01
(1,1457)	1:A:120:LEU:HD22	1:A:118:LYS:HE3	8	2.01
(1,1457)	1:A:120:LEU:HD21	1:A:118:LYS:HE3	8	2.01
(1,1457)	1:A:120:LEU:HD23	1:A:118:LYS:HE3	8	2.01
(1,1457)	1:A:126:LEU:HD22	1:A:124:LYS:HE2	8	2.01
(1,1457)	1:A:126:LEU:HD21	1:A:124:LYS:HE2	8	2.01
(1,1457)	1:A:126:LEU:HD23	1:A:124:LYS:HE2	8	2.01
(1,2192)	2:B:25:ILE:HD12	2:B:30:ALA:HA	2	2.0
(1,2192)	2:B:25:ILE:HD11	2:B:30:ALA:HA	2	2.0
(1,2192)	2:B:25:ILE:HD13	2:B:30:ALA:HA	2	2.0
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD12	6	2.0
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD11	6	2.0
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD13	6	2.0
(1,95)	1:A:74:VAL:HG12	1:A:94:PRO:HD3	9	1.99
(1,95)	1:A:74:VAL:HG11	1:A:94:PRO:HD3	9	1.99
(1,95)	1:A:74:VAL:HG13	1:A:94:PRO:HD3	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:C	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HA	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG22	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CB	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:N	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CD	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG2	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE2	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:C	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HA	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG22	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CB	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CB	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:N	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CD	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG2	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE2	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB2	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:C	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HA	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG22	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CB	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:N	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CD	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG2	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE2	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:C	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HA	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG22	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CB	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:N	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CD	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG2	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE2	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:C	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:C	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HA	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG22	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CB	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:N	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CD	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG2	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE2	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:C	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HA	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG22	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CB	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:N	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CD	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG2	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE2	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:C	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HA	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG22	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:N	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CB	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:N	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CD	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG2	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE2	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:C	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HA	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG22	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CB	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:N	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CD	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG2	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE2	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:C	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HA	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG22	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CB	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CB	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:N	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CD	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG2	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE2	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB2	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:C	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HA	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG22	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CB	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:N	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CD	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG2	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE2	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:C	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HA	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG22	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CB	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:N	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CD	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG2	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE2	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:C	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:C	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HA	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG22	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CB	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:N	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CD	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG2	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE2	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:C	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HA	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG22	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CB	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:N	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CD	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG2	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE2	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:C	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HA	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG22	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:N	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CB	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:N	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CD	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG2	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE2	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:C	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HA	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG22	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CB	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:N	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CD	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG2	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE2	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:C	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HA	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG22	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CB	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CB	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:N	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CD	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG2	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE2	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB2	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:C	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HA	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG22	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CB	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:N	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CD	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG2	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE2	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:C	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HA	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG22	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CB	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:N	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CD	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG2	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE2	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:C	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:C	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HA	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG22	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CB	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:N	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CD	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG2	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE2	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:C	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HA	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG22	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CB	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:N	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CD	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG2	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE2	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:C	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HA	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG22	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:N	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CB	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:N	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CD	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG2	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE2	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:C	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CA	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CB	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG1	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG2	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:H	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HA	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HB	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG11	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG12	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG13	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG21	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG22	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG23	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:N	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:O	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:C	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CA	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CB	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CG	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:H	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HA	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB2	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB3	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:N	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:O	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD1	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD2	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:C	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CA	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CB	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:H	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HA	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB2	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB3	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HG	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:N	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:O	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:SG	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:C	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CA	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CB	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CD	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CG	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:H	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HA	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB2	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB3	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG2	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG3	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:N	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:O	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE1	9	1.99
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE2	9	1.99
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD12	4	1.99
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD11	4	1.99
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD13	4	1.99
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD12	5	1.99
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD11	5	1.99
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD13	5	1.99
(1,702)	1:A:122:LYS:HE3	1:A:122:LYS:H	9	1.98
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD12	9	1.98
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD11	9	1.98
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD13	9	1.98
(1,790)	1:A:126:LEU:HG	1:A:124:LYS:HE3	2	1.97
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD12	10	1.97
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD11	10	1.97
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD13	10	1.97
(1,157)	1:A:99:LEU:HD22	1:A:103:GLN:HE22	5	1.97
(1,157)	1:A:99:LEU:HD21	1:A:103:GLN:HE22	5	1.97
(1,157)	1:A:99:LEU:HD23	1:A:103:GLN:HE22	5	1.97
(1,95)	1:A:74:VAL:HG12	1:A:94:PRO:HD3	1	1.96
(1,95)	1:A:74:VAL:HG11	1:A:94:PRO:HD3	1	1.96
(1,95)	1:A:74:VAL:HG13	1:A:94:PRO:HD3	1	1.96
(1,834)	1:A:85:LYS:HE3	1:A:82:GLN:HA	7	1.96
(1,790)	1:A:126:LEU:HG	1:A:124:LYS:HE3	6	1.96
(1,2787)	2:C:20:VAL:HG12	2:C:34:ASN:HD22	9	1.96
(1,2787)	2:C:20:VAL:HG11	2:C:34:ASN:HD22	9	1.96
(1,2787)	2:C:20:VAL:HG13	2:C:34:ASN:HD22	9	1.96
(1,2298)	2:B:19:ILE:HA	2:B:22:LYS:HD3	1	1.96
(1,82)	1:A:148:ILE:HG22	1:A:150:PRO:HD2	2	1.95
(1,82)	1:A:148:ILE:HG21	1:A:150:PRO:HD2	2	1.95
(1,82)	1:A:148:ILE:HG23	1:A:150:PRO:HD2	2	1.95
(1,2787)	2:C:20:VAL:HG12	2:C:34:ASN:HD22	4	1.95
(1,2787)	2:C:20:VAL:HG11	2:C:34:ASN:HD22	4	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2787)	2:C:20:VAL:HG13	2:C:34:ASN:HD22	4	1.95
(1,2787)	2:C:20:VAL:HG12	2:C:34:ASN:HD22	5	1.95
(1,2787)	2:C:20:VAL:HG11	2:C:34:ASN:HD22	5	1.95
(1,2787)	2:C:20:VAL:HG13	2:C:34:ASN:HD22	5	1.95
(1,179)	1:A:120:LEU:HD22	1:A:147:MET:HG3	8	1.95
(1,179)	1:A:120:LEU:HD21	1:A:147:MET:HG3	8	1.95
(1,179)	1:A:120:LEU:HD23	1:A:147:MET:HG3	8	1.95
(1,63)	1:A:83:ALA:HB2	1:A:85:LYS:HE3	8	1.94
(1,63)	1:A:83:ALA:HB1	1:A:85:LYS:HE3	8	1.94
(1,63)	1:A:83:ALA:HB3	1:A:85:LYS:HE3	8	1.94
(1,179)	1:A:120:LEU:HD22	1:A:147:MET:HG3	6	1.94
(1,179)	1:A:120:LEU:HD21	1:A:147:MET:HG3	6	1.94
(1,179)	1:A:120:LEU:HD23	1:A:147:MET:HG3	6	1.94
(1,1123)	1:A:87:SER:H	1:A:79:LYS:HD3	8	1.94
(1,95)	1:A:74:VAL:HG12	1:A:94:PRO:HD3	3	1.93
(1,95)	1:A:74:VAL:HG11	1:A:94:PRO:HD3	3	1.93
(1,95)	1:A:74:VAL:HG13	1:A:94:PRO:HD3	3	1.93
(1,720)	1:A:148:ILE:HD12	1:A:86:PHE:HZ	10	1.93
(1,720)	1:A:148:ILE:HD11	1:A:86:PHE:HZ	10	1.93
(1,720)	1:A:148:ILE:HD13	1:A:86:PHE:HZ	10	1.93
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG1	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG12	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:O	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB2	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:C	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HA	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:O	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE2	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG1	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG12	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:O	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD2	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB2	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:C	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HA	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:O	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE2	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG1	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG12	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:O	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB2	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:C	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HA	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:O	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE2	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG1	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG12	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:O	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HA	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB2	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:C	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HA	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:O	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE2	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:O	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG1	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG12	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:O	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB2	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:C	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HA	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:O	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE2	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG1	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG12	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:O	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB2	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:C	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HA	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:O	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE2	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CG	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG1	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG12	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:O	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB2	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:C	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HA	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:O	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE2	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG1	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG12	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:O	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB2	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:C	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HA	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:O	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE2	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG1	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG12	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:O	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD2	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB2	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:C	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HA	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:O	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE2	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG1	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG12	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:O	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB2	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:C	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HA	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:O	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE2	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG1	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG12	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:O	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HA	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB2	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:C	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HA	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:O	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE2	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:O	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG1	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG12	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:O	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB2	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:C	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HA	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:O	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE2	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG1	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG12	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:O	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB2	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:C	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HA	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:O	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE2	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CG	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG1	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG12	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:O	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB2	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:C	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HA	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:O	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE2	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG1	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG12	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:O	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB2	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:C	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HA	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:O	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE2	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG1	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG12	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:O	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD2	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB2	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:C	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HA	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:O	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE2	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG1	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG12	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:O	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB2	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:C	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HA	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:O	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE2	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG1	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG12	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:O	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HA	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB2	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:C	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HA	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:O	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE2	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:O	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG1	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG12	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:O	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB2	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:C	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HA	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:O	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE2	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG1	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG12	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:O	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB2	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:C	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HA	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:O	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE2	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CG	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG1	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG12	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:O	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB2	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:C	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HA	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:O	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE2	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:C	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CA	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CB	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG1	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG2	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:H	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HA	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HB	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG11	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG12	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG13	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG21	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG22	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG23	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:N	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:O	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:C	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CA	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CB	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CG	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:H	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HA	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB2	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB3	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:N	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:O	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD1	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD2	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:C	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CA	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CB	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:H	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HA	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB2	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB3	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HG	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:N	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:O	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:SG	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:C	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CA	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CB	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CD	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CG	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:H	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HA	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB2	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB3	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG2	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG3	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:N	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:O	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE1	5	1.93
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE2	5	1.93
(1,1172)	1:A:85:LYS:HE3	1:A:83:ALA:H	7	1.93
(1,95)	1:A:74:VAL:HG12	1:A:94:PRO:HD3	8	1.92
(1,95)	1:A:74:VAL:HG11	1:A:94:PRO:HD3	8	1.92
(1,95)	1:A:74:VAL:HG13	1:A:94:PRO:HD3	8	1.92
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD12	10	1.92
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD11	10	1.92
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD13	10	1.92
(1,179)	1:A:120:LEU:HD22	1:A:147:MET:HG3	4	1.92
(1,179)	1:A:120:LEU:HD21	1:A:147:MET:HG3	4	1.92
(1,179)	1:A:120:LEU:HD23	1:A:147:MET:HG3	4	1.92
(1,93)	1:A:74:VAL:HG12	1:A:93:SER:HA	8	1.91
(1,93)	1:A:74:VAL:HG11	1:A:93:SER:HA	8	1.91
(1,93)	1:A:74:VAL:HG13	1:A:93:SER:HA	8	1.91
(1,705)	1:A:122:LYS:HE3	1:A:122:LYS:HB3	9	1.91
(1,860)	1:A:80:LYS:H	1:A:79:LYS:HD3	1	1.9
(1,95)	1:A:74:VAL:HG12	1:A:94:PRO:HD3	4	1.89
(1,95)	1:A:74:VAL:HG11	1:A:94:PRO:HD3	4	1.89
(1,95)	1:A:74:VAL:HG13	1:A:94:PRO:HD3	4	1.89
(1,736)	1:A:114:ILE:HG12	1:A:102:LYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CB	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG11	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:N	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HA	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:SG	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:H	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:N	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE2	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CB	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG11	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:N	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD1	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HA	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:SG	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:H	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:N	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE2	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CB	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG11	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:N	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HA	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:SG	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:H	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:N	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE2	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CB	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG11	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:N	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:H	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HA	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:SG	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:H	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:N	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE2	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:N	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CB	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG11	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:N	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HA	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:SG	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:H	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:N	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE2	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CB	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG11	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:N	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HA	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:SG	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:H	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:N	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE2	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CB	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CB	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG11	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:N	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HA	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:SG	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:H	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:N	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE2	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CB	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG11	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:N	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HA	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:SG	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:H	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:N	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE2	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CB	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG11	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:N	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD1	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HA	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:SG	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:H	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:N	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE2	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CB	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG11	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:N	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HA	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:SG	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:H	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:N	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE2	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CB	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG11	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:N	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:H	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HA	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:SG	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:H	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:N	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE2	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:N	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CB	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG11	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:N	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HA	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:SG	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:H	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:N	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE2	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CB	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG11	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:N	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HA	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:SG	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:H	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:N	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE2	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CB	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CB	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG11	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:N	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HA	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:SG	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:H	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:N	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE2	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CB	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG11	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:N	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HA	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:SG	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:H	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:N	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE2	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CB	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG11	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:N	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD1	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HA	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:SG	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:H	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:N	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE2	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CB	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG11	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:N	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HA	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:SG	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:H	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:N	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE2	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CB	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG11	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:N	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:H	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HA	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:SG	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:H	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:N	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE2	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:N	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CB	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG11	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:N	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HA	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:SG	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:H	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:N	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE2	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CB	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG11	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:N	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HA	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:SG	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:H	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:N	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE2	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CB	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CB	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG11	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:N	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HA	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:SG	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:H	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:N	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE2	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:C	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CA	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CB	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG1	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG2	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:H	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HA	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HB	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG11	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG12	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG13	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG21	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG22	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG23	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:N	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:O	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:C	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CA	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CB	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CG	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:H	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HA	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB2	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB3	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:N	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:O	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD1	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD2	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:C	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CA	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CB	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:H	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HA	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB2	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB3	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HG	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:N	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:O	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:SG	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:C	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CA	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CB	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CD	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CG	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:H	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HA	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB2	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB3	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG2	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG3	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:N	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:O	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE1	3	1.89
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE2	3	1.89
(1,1452)	1:A:105:LEU:HD22	1:A:90:HIS:HE1	3	1.89
(1,1452)	1:A:105:LEU:HD21	1:A:90:HIS:HE1	3	1.89
(1,1452)	1:A:105:LEU:HD23	1:A:90:HIS:HE1	3	1.89
(1,1452)	1:A:78:LEU:HD22	1:A:90:HIS:HE1	3	1.89
(1,1452)	1:A:78:LEU:HD21	1:A:90:HIS:HE1	3	1.89
(1,1452)	1:A:78:LEU:HD23	1:A:90:HIS:HE1	3	1.89
(1,1351)	1:A:141:ASN:HD21	1:A:121:LEU:HG	5	1.89
(1,834)	1:A:85:LYS:HE3	1:A:82:GLN:HA	3	1.88
(1,2615)	2:C:13:VAL:HG12	2:C:48:ARG:HG2	3	1.88
(1,2615)	2:C:13:VAL:HG11	2:C:48:ARG:HG2	3	1.88
(1,2615)	2:C:13:VAL:HG13	2:C:48:ARG:HG2	3	1.88
(1,229)	1:A:118:LYS:HB2	1:A:118:LYS:HE3	5	1.88
(1,1198)	1:A:113:HIS:H	1:A:116:GLU:HB3	9	1.88
(1,93)	1:A:74:VAL:HG12	1:A:93:SER:HA	7	1.87
(1,93)	1:A:74:VAL:HG11	1:A:93:SER:HA	7	1.87
(1,93)	1:A:74:VAL:HG13	1:A:93:SER:HA	7	1.87
(1,93)	1:A:74:VAL:HG12	1:A:93:SER:HA	6	1.86
(1,93)	1:A:74:VAL:HG11	1:A:93:SER:HA	6	1.86
(1,93)	1:A:74:VAL:HG13	1:A:93:SER:HA	6	1.86
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG22	8	1.86
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG21	8	1.86
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG23	8	1.86
(1,686)	1:A:122:LYS:HA	1:A:122:LYS:HD3	9	1.86
(1,63)	1:A:83:ALA:HB2	1:A:85:LYS:HE3	6	1.86
(1,63)	1:A:83:ALA:HB1	1:A:85:LYS:HE3	6	1.86
(1,63)	1:A:83:ALA:HB3	1:A:85:LYS:HE3	6	1.86
(1,2299)	2:C:19:ILE:HA	2:C:22:LYS:HD3	10	1.86
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD22	1	1.86
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD21	1	1.86
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD23	1	1.86
(1,1660)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	1	1.86
(1,1660)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	1	1.86
(1,1660)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	1	1.86
(1,63)	1:A:83:ALA:HB2	1:A:85:LYS:HE3	9	1.85
(1,63)	1:A:83:ALA:HB1	1:A:85:LYS:HE3	9	1.85
(1,63)	1:A:83:ALA:HB3	1:A:85:LYS:HE3	9	1.85
(1,2089)	2:C:8:ILE:HD12	2:B:19:ILE:HG12	9	1.85
(1,2089)	2:C:8:ILE:HD11	2:B:19:ILE:HG12	9	1.85
(1,2089)	2:C:8:ILE:HD13	2:B:19:ILE:HG12	9	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD22	1	1.83
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD21	1	1.83
(1,792)	1:A:134:ASP:HB2	1:A:130:LEU:HD23	1	1.83
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CB	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG11	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:N	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD1	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HA	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:SG	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:H	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:N	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE2	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CB	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG11	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:N	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HA	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:SG	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:H	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:N	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE2	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CB	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG11	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:N	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:H	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HA	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:SG	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:H	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:N	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE2	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:N	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CB	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG11	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:N	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HA	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:SG	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:H	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:N	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE2	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CB	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG11	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:N	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HA	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:SG	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:H	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:N	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE2	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CB	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CB	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG11	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:N	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HA	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:SG	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:H	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:N	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE2	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CB	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG11	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:N	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HA	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:SG	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:H	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:N	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE2	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CB	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG11	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:N	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD1	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HA	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:SG	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:H	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:N	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE2	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CB	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG11	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:N	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HA	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:SG	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:H	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:N	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE2	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CB	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG11	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:N	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:H	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HA	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:SG	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:H	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:N	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE2	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:N	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CB	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG11	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:N	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HA	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:SG	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:H	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:N	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE2	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CB	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG11	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:N	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HA	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:SG	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:H	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:N	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE2	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CB	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CB	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG11	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:N	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HA	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:SG	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:H	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:N	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE2	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CB	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG11	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:N	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HA	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:SG	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:H	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:N	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE2	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CB	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG11	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:N	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD1	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HA	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:SG	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:H	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:N	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE2	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CB	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG11	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:N	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HA	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:SG	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:H	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:N	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE2	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CB	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG11	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:N	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:H	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HA	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:SG	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:H	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:N	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE2	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:N	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CB	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG11	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:N	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HA	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:SG	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:H	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:N	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE2	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CB	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG11	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:N	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HA	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:SG	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:H	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:N	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE2	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CB	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CB	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG11	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:N	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HA	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:SG	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:H	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:N	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE2	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CB	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG11	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:N	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HA	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:SG	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:H	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:N	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE2	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD1	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:C	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CA	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CB	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG1	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG2	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:H	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HA	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HB	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG11	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG12	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG13	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG21	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG22	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG23	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:N	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:O	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:C	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CA	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CB	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CG	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:H	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HA	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB2	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB3	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:N	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:O	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD1	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD2	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:C	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CA	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CB	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:H	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HA	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB2	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB3	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HG	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:N	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:O	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:SG	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:C	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CA	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CB	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CD	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CG	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:H	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HA	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB2	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB3	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG2	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG3	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:N	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:O	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE1	6	1.83
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE2	6	1.83
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:C	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CA	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CB	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CG	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:H	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HA	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB2	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB3	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:N	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:O	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD1	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD2	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:C	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CA	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CB	9	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG1	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG2	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:H	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HA	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HB	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG11	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG12	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG13	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG21	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG22	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG23	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:N	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:O	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:C	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CA	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CB	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CG	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:H	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HA	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB2	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB3	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:N	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:O	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD1	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD2	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:C	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CA	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CB	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:H	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HA	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB2	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB3	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HG	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:N	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:O	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:SG	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:C	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CA	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CB	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CD	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CG	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:H	9	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HA	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB2	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB3	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG2	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG3	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:N	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:O	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE1	9	1.83
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE2	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:C	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CA	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CB	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CG	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:H	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HA	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB2	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB3	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:N	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:O	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD1	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD2	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:C	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CA	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CB	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG1	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG2	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:H	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HA	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HB	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG11	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG12	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG13	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG21	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG22	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG23	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:N	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:O	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:C	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CA	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CB	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CG	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:H	9	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HA	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB2	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB3	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:N	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:O	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD1	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD2	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:C	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CA	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CB	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:H	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HA	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB2	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB3	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HG	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:N	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:O	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:SG	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:C	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CA	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CB	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CD	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CG	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:H	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HA	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB2	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB3	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG2	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG3	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:N	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:O	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE1	9	1.83
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE2	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:C	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CA	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CB	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CG	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:H	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HA	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB2	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB3	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:N	9	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:O	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD1	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD2	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:C	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CA	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CB	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG1	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG2	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:H	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HA	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HB	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG11	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG12	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG13	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG21	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG22	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG23	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:N	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:O	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:C	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CA	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CB	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CG	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:H	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HA	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB2	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB3	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:N	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:O	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD1	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD2	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:C	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CA	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CB	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:H	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HA	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB2	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB3	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HG	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:N	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:O	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:SG	9	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:C	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CA	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CB	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CD	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CG	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:H	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HA	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB2	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB3	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG2	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG3	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:N	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:O	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE1	9	1.83
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE2	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:C	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CA	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CB	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CG	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:H	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HA	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB2	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB3	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:N	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:O	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD1	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD2	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:C	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CA	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CB	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG1	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG2	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:H	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HA	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HB	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG11	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG12	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG13	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG21	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG22	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG23	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:N	9	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:O	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:C	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CA	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CB	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CG	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:H	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HA	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB2	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB3	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:N	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:O	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD1	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD2	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:C	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CA	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CB	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:H	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HA	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB2	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB3	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HG	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:N	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:O	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:SG	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:C	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CA	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CB	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CD	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CG	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:H	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HA	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB2	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB3	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG2	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG3	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:N	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:O	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE1	9	1.83
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE2	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:C	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CA	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CB	9	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CG	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:H	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HA	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB2	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB3	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:N	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:O	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD1	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD2	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:C	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CA	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CB	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG1	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG2	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:H	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HA	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HB	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG11	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG12	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG13	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG21	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG22	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG23	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:N	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:O	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:C	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CA	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CB	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CG	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:H	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HA	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB2	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB3	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:N	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:O	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD1	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD2	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:C	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CA	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CB	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:H	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HA	9	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB2	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB3	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HG	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:N	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:O	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:SG	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:C	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CA	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CB	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CD	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CG	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:H	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HA	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB2	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB3	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG2	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG3	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:N	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:O	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE1	9	1.83
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE2	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:C	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CA	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CB	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CG	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:H	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HA	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB2	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB3	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:N	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:O	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD1	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD2	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:C	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CA	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CB	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG1	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG2	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:H	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HA	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HB	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG11	9	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG12	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG13	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG21	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG22	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG23	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:N	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:O	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:C	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CA	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CB	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CG	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:H	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HA	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB2	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB3	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:N	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:O	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD1	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD2	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:C	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CA	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CB	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:H	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HA	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB2	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB3	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HG	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:N	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:O	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:SG	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:C	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CA	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CB	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CD	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CG	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:H	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HA	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB2	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB3	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG2	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG3	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:N	9	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:O	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE1	9	1.83
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE2	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:C	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CA	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CB	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CG	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:H	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HA	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB2	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB3	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:N	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:O	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD1	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD2	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:C	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CA	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CB	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG1	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG2	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:H	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HA	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HB	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG11	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG12	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG13	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG21	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG22	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG23	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:N	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:O	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:C	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CA	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CB	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CG	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:H	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HA	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB2	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB3	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:N	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:O	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD1	9	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD2	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:C	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CA	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CB	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:H	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HA	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB2	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB3	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HG	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:N	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:O	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:SG	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:C	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CA	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CB	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CD	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CG	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:H	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HA	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB2	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB3	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG2	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG3	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:N	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:O	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE1	9	1.83
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE2	9	1.83
(1,1452)	1:A:105:LEU:HD22	1:A:90:HIS:HE1	8	1.83
(1,1452)	1:A:105:LEU:HD21	1:A:90:HIS:HE1	8	1.83
(1,1452)	1:A:105:LEU:HD23	1:A:90:HIS:HE1	8	1.83
(1,1452)	1:A:78:LEU:HD22	1:A:90:HIS:HE1	8	1.83
(1,1452)	1:A:78:LEU:HD21	1:A:90:HIS:HE1	8	1.83
(1,1452)	1:A:78:LEU:HD23	1:A:90:HIS:HE1	8	1.83
(1,732)	1:A:81:ILE:HA	1:A:79:LYS:HD3	7	1.82
(1,707)	1:A:122:LYS:HE3	1:A:143:THR:HG21	4	1.82
(1,707)	1:A:122:LYS:HE3	1:A:143:THR:HG22	4	1.82
(1,707)	1:A:122:LYS:HE3	1:A:143:THR:HG23	4	1.82
(1,1356)	1:A:151:ASN:HA	1:A:151:ASN:HD22	10	1.82
(1,116)	1:A:125:VAL:HG22	1:A:120:LEU:H	1	1.82
(1,116)	1:A:125:VAL:HG21	1:A:120:LEU:H	1	1.82
(1,116)	1:A:125:VAL:HG23	1:A:120:LEU:H	1	1.82
(1,56)	1:A:114:ILE:HD12	1:A:103:GLN:HE21	8	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:A:114:ILE:HD11	1:A:103:GLN:HE21	8	1.81
(1,56)	1:A:114:ILE:HD13	1:A:103:GLN:HE21	8	1.81
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:C	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CA	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CB	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CG	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:H	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HA	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB2	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB3	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:N	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:O	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD1	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD2	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:C	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CA	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CB	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG1	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG2	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:H	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HA	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HB	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG11	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG12	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG13	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG21	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG22	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG23	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:N	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:O	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:C	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CA	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CB	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CG	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:H	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HA	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB2	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB3	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:N	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:O	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD1	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD2	3	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:C	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CA	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CB	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:H	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HA	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB2	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB3	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HG	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:N	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:O	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:SG	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:C	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CA	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CB	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CD	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CG	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:H	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HA	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB2	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB3	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG2	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG3	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:N	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:O	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE1	3	1.81
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE2	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:C	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CA	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CB	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CG	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:H	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HA	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB2	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB3	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:N	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:O	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD1	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD2	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:C	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CA	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CB	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG1	3	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG2	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:H	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HA	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HB	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG11	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG12	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG13	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG21	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG22	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG23	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:N	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:O	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:C	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CA	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CB	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CG	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:H	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HA	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB2	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB3	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:N	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:O	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD1	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD2	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:C	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CA	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CB	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:H	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HA	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB2	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB3	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HG	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:N	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:O	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:SG	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:C	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CA	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CB	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CD	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CG	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:H	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HA	3	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB2	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB3	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG2	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG3	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:N	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:O	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE1	3	1.81
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE2	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:C	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CA	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CB	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CG	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:H	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HA	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB2	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB3	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:N	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:O	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD1	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD2	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:C	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CA	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CB	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG1	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG2	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:H	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HA	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HB	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG11	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG12	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG13	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG21	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG22	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG23	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:N	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:O	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:C	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CA	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CB	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CG	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:H	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HA	3	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB2	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB3	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:N	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:O	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD1	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD2	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:C	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CA	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CB	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:H	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HA	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB2	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB3	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HG	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:N	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:O	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:SG	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:C	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CA	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CB	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CD	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CG	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:H	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HA	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB2	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB3	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG2	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG3	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:N	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:O	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE1	3	1.81
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE2	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:C	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CA	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CB	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CG	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:H	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HA	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB2	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB3	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:N	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:O	3	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD1	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD2	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:C	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CA	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CB	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG1	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG2	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:H	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HA	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HB	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG11	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG12	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG13	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG21	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG22	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG23	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:N	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:O	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:C	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CA	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CB	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CG	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:H	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HA	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB2	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB3	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:N	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:O	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD1	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD2	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:C	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CA	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CB	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:H	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HA	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB2	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB3	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HG	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:N	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:O	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:SG	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:C	3	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CA	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CB	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CD	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CG	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:H	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HA	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB2	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB3	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG2	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG3	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:N	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:O	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE1	3	1.81
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE2	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:C	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CA	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CB	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CG	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:H	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HA	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB2	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB3	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:N	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:O	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD1	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD2	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:C	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CA	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CB	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG1	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG2	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:H	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HA	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HB	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG11	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG12	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG13	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG21	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG22	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG23	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:N	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:O	3	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:C	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CA	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CB	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CG	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:H	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HA	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB2	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB3	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:N	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:O	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD1	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD2	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:C	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CA	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CB	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:H	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HA	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB2	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB3	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HG	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:N	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:O	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:SG	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:C	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CA	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CB	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CD	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CG	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:H	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HA	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB2	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB3	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG2	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG3	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:N	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:O	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE1	3	1.81
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE2	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:C	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CA	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CB	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CG	3	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:H	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HA	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB2	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB3	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:N	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:O	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD1	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD2	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:C	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CA	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CB	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG1	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG2	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:H	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HA	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HB	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG11	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG12	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG13	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG21	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG22	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG23	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:N	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:O	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:C	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CA	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CB	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CG	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:H	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HA	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB2	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB3	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:N	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:O	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD1	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD2	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:C	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CA	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CB	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:H	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HA	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB2	3	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB3	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HG	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:N	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:O	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:SG	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:C	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CA	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CB	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CD	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CG	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:H	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HA	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB2	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB3	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG2	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG3	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:N	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:O	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE1	3	1.81
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE2	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:C	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CA	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CB	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CG	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:H	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HA	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB2	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB3	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:N	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:O	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD1	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD2	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:C	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CA	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CB	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG1	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG2	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:H	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HA	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HB	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG11	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG12	3	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG13	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG21	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG22	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG23	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:N	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:O	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:C	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CA	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CB	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CG	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:H	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HA	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB2	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB3	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:N	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:O	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD1	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD2	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:C	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CA	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CB	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:H	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HA	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB2	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB3	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HG	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:N	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:O	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:SG	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:C	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CA	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CB	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CD	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CG	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:H	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HA	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB2	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB3	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG2	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG3	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:N	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:O	3	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE1	3	1.81
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE2	3	1.81
(1,57)	1:A:81:ILE:HD12	1:A:145:THR:HB	4	1.8
(1,57)	1:A:81:ILE:HD11	1:A:145:THR:HB	4	1.8
(1,57)	1:A:81:ILE:HD13	1:A:145:THR:HB	4	1.8
(1,1452)	1:A:105:LEU:HD22	1:A:90:HIS:HE1	6	1.8
(1,1452)	1:A:105:LEU:HD21	1:A:90:HIS:HE1	6	1.8
(1,1452)	1:A:105:LEU:HD23	1:A:90:HIS:HE1	6	1.8
(1,1452)	1:A:78:LEU:HD22	1:A:90:HIS:HE1	6	1.8
(1,1452)	1:A:78:LEU:HD21	1:A:90:HIS:HE1	6	1.8
(1,1452)	1:A:78:LEU:HD23	1:A:90:HIS:HE1	6	1.8
(1,1356)	1:A:151:ASN:HA	1:A:151:ASN:HD22	3	1.8
(1,1172)	1:A:85:LYS:HE3	1:A:83:ALA:H	10	1.8
(1,93)	1:A:74:VAL:HG12	1:A:93:SER:HA	1	1.79
(1,93)	1:A:74:VAL:HG11	1:A:93:SER:HA	1	1.79
(1,93)	1:A:74:VAL:HG13	1:A:93:SER:HA	1	1.79
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CA	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HB	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG23	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:H	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:O	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CG	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG3	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE2	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CA	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CA	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HB	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG23	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:H	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:O	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CG	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG3	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE2	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CA	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HB	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG23	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:H	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:O	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CG	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG3	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE2	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CA	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HB	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG23	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:O	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:H	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:O	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CG	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG3	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE2	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CA	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HB	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG23	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:H	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:O	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CG	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG3	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE2	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CA	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HB	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG23	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CG	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:H	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:O	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CG	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG3	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE2	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB3	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CA	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HB	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG23	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:H	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:O	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CG	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG3	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE2	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CA	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HB	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG23	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:H	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:O	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CG	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG3	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE2	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CA	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CA	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HB	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG23	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:H	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:O	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CG	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG3	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE2	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CA	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HB	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG23	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:H	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:O	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CG	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG3	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE2	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CA	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HB	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG23	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:O	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:H	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:O	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CG	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG3	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE2	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CA	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HB	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG23	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:H	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:O	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CG	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG3	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE2	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CA	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HB	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG23	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CG	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:H	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:O	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CG	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG3	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE2	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB3	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CA	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HB	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG23	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:H	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:O	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CG	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG3	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE2	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CA	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HB	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG23	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:H	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:O	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CG	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG3	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE2	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CA	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CA	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HB	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG23	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:H	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:O	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CG	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG3	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE2	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CA	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HB	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG23	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:H	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:O	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CG	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG3	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE2	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CA	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HB	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG23	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:O	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:H	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:O	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CG	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG3	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE2	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CA	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HB	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG23	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:H	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:O	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CG	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG3	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE2	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CA	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HB	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG23	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CG	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:H	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:O	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CG	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG3	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE2	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB3	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CA	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HB	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG23	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:H	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:O	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CG	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG3	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE2	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:C	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CA	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CB	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG1	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG2	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:H	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HA	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HB	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG11	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG12	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG13	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG21	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG22	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG23	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:N	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:O	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:C	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CA	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CB	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CG	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:H	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HA	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB2	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB3	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:N	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:O	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD1	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD2	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:C	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CA	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CB	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:H	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HA	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB2	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB3	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HG	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:N	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:O	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:SG	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:C	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CA	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CB	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CD	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CG	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:H	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HA	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB2	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB3	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG2	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG3	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:N	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:O	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE1	7	1.79
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE2	7	1.79
(1,1353)	1:A:121:LEU:HD12	1:A:141:ASN:HD21	7	1.79
(1,1353)	1:A:121:LEU:HD11	1:A:141:ASN:HD21	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1353)	1:A:121:LEU:HD13	1:A:141:ASN:HD21	7	1.79
(1,834)	1:A:85:LYS:HE3	1:A:82:GLN:HA	9	1.78
(1,571)	1:A:93:SER:HB3	1:A:96:ASP:HB3	7	1.78
(1,231)	1:A:149:LYS:HB3	1:A:149:LYS:HE3	8	1.78
(1,2298)	2:B:19:ILE:HA	2:B:22:LYS:HD3	4	1.78
(1,1356)	1:A:151:ASN:HA	1:A:151:ASN:HD22	6	1.78
(1,57)	1:A:81:ILE:HD12	1:A:145:THR:HB	2	1.77
(1,57)	1:A:81:ILE:HD11	1:A:145:THR:HB	2	1.77
(1,57)	1:A:81:ILE:HD13	1:A:145:THR:HB	2	1.77
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG12	2	1.77
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG11	2	1.77
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG13	2	1.77
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG12	2	1.77
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG11	2	1.77
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG13	2	1.77
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG12	2	1.77
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG11	2	1.77
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG13	2	1.77
(1,183)	1:A:99:LEU:HD12	1:A:100:GLN:HE22	6	1.77
(1,183)	1:A:99:LEU:HD11	1:A:100:GLN:HE22	6	1.77
(1,183)	1:A:99:LEU:HD13	1:A:100:GLN:HE22	6	1.77
(1,2891)	2:C:21:GLU:HA	2:C:23:LYS:HE3	9	1.76
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:C	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CA	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CB	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CG	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:H	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HA	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB2	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB3	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:N	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:O	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD1	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD2	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:C	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CA	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CB	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG1	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG2	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:H	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HA	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HB	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG11	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG12	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG13	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG21	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG22	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG23	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:N	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:O	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:C	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CA	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CB	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CG	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:H	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HA	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB2	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB3	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:N	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:O	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD1	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD2	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:C	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CA	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CB	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:H	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HA	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB2	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB3	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HG	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:N	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:O	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:SG	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:C	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CA	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CB	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CD	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CG	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:H	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HA	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB2	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB3	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG2	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG3	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:N	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:O	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE1	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE2	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:C	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CA	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CB	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CG	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:H	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HA	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB2	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB3	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:N	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:O	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD1	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD2	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:C	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CA	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CB	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG1	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG2	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:H	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HA	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HB	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG11	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG12	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG13	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG21	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG22	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG23	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:N	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:O	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:C	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CA	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CB	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CG	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:H	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HA	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB2	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB3	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:N	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:O	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD1	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD2	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:C	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CA	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CB	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:H	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HA	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB2	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB3	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HG	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:N	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:O	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:SG	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:C	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CA	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CB	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CD	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CG	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:H	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HA	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB2	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB3	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG2	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG3	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:N	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:O	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE1	5	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE2	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:C	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CA	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CB	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CG	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:H	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HA	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB2	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB3	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:N	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:O	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD1	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD2	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:C	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CA	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CB	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG1	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG2	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:H	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HA	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HB	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG11	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG12	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG13	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG21	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG22	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG23	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:N	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:O	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:C	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CA	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CB	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CG	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:H	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HA	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB2	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB3	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:N	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:O	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD1	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD2	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:C	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CA	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CB	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:H	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HA	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB2	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB3	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HG	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:N	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:O	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:SG	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:C	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CA	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CB	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CD	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CG	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:H	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HA	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB2	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB3	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG2	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG3	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:N	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:O	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE1	5	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE2	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:C	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CA	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CB	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CG	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:H	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HA	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB2	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB3	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:N	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:O	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD1	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD2	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:C	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CA	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CB	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG1	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG2	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:H	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HA	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HB	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG11	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG12	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG13	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG21	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG22	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG23	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:N	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:O	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:C	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CA	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CB	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CG	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:H	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HA	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB2	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB3	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:N	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:O	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD1	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD2	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:C	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CA	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CB	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:H	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HA	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB2	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB3	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HG	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:N	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:O	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:SG	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:C	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CA	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CB	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CD	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CG	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:H	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HA	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB2	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB3	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG2	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG3	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:N	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:O	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE1	5	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE2	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:C	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CA	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CB	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CG	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:H	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HA	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB2	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB3	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:N	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:O	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD1	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD2	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:C	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CA	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CB	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG1	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG2	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:H	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HA	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HB	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG11	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG12	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG13	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG21	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG22	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG23	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:N	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:O	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:C	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CA	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CB	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CG	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:H	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HA	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB2	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB3	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:N	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:O	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD1	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD2	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:C	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CA	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CB	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:H	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HA	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB2	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB3	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HG	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:N	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:O	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:SG	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:C	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CA	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CB	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CD	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CG	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:H	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HA	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB2	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB3	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG2	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG3	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:N	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:O	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE1	5	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE2	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:C	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CA	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CB	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CG	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:H	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HA	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB2	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB3	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:N	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:O	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD1	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD2	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:C	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CA	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CB	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG1	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG2	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:H	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HA	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HB	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG11	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG12	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG13	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG21	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG22	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG23	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:N	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:O	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:C	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CA	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CB	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CG	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:H	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HA	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB2	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB3	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:N	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:O	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD1	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD2	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:C	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CA	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CB	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:H	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HA	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB2	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB3	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HG	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:N	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:O	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:SG	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:C	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CA	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CB	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CD	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CG	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:H	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HA	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB2	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB3	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG2	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG3	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:N	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:O	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE1	5	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE2	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:C	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CA	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CB	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CG	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:H	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HA	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB2	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB3	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:N	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:O	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD1	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD2	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:C	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CA	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CB	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG1	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG2	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:H	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HA	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HB	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG11	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG12	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG13	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG21	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG22	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG23	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:N	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:O	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:C	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CA	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CB	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CG	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:H	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HA	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB2	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB3	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:N	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:O	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD1	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD2	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:C	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CA	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CB	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:H	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HA	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB2	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB3	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HG	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:N	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:O	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:SG	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:C	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CA	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CB	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CD	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CG	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:H	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HA	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB2	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB3	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG2	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG3	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:N	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:O	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE1	5	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE2	5	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:C	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CA	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CB	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CG	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:H	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HA	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB2	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB3	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:N	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:O	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD1	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD2	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:C	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CA	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CB	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG1	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG2	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:H	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HA	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HB	8	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG11	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG12	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG13	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG21	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG22	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG23	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:N	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:O	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:C	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CA	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CB	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CG	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:H	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HA	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB2	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB3	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:N	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:O	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD1	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD2	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:C	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CA	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CB	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:H	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HA	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB2	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB3	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HG	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:N	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:O	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:SG	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:C	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CA	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CB	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CD	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CG	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:H	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HA	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB2	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB3	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG2	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG3	8	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:N	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:O	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE1	8	1.75
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE2	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:C	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CA	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CB	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CG	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:H	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HA	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB2	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB3	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:N	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:O	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD1	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD2	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:C	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CA	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CB	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG1	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG2	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:H	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HA	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HB	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG11	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG12	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG13	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG21	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG22	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG23	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:N	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:O	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:C	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CA	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CB	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CG	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:H	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HA	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB2	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB3	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:N	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:O	8	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD1	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD2	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:C	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CA	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CB	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:H	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HA	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB2	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB3	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HG	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:N	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:O	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:SG	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:C	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CA	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CB	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CD	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CG	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:H	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HA	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB2	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB3	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG2	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG3	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:N	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:O	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE1	8	1.75
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE2	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:C	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CA	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CB	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CG	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:H	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HA	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB2	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB3	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:N	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:O	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD1	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD2	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:C	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CA	8	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CB	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG1	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG2	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:H	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HA	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HB	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG11	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG12	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG13	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG21	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG22	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG23	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:N	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:O	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:C	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CA	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CB	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CG	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:H	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HA	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB2	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB3	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:N	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:O	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD1	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD2	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:C	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CA	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CB	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:H	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HA	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB2	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB3	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HG	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:N	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:O	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:SG	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:C	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CA	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CB	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CD	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CG	8	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:H	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HA	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB2	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB3	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG2	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG3	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:N	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:O	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE1	8	1.75
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE2	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:C	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CA	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CB	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CG	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:H	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HA	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB2	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB3	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:N	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:O	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD1	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD2	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:C	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CA	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CB	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG1	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG2	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:H	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HA	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HB	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG11	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG12	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG13	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG21	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG22	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG23	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:N	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:O	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:C	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CA	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CB	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CG	8	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:H	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HA	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB2	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB3	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:N	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:O	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD1	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD2	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:C	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CA	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CB	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:H	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HA	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB2	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB3	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HG	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:N	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:O	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:SG	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:C	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CA	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CB	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CD	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CG	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:H	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HA	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB2	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB3	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG2	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG3	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:N	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:O	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE1	8	1.75
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE2	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:C	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CA	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CB	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CG	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:H	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HA	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB2	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB3	8	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:N	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:O	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD1	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD2	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:C	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CA	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CB	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG1	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG2	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:H	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HA	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HB	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG11	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG12	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG13	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG21	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG22	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG23	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:N	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:O	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:C	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CA	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CB	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CG	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:H	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HA	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB2	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB3	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:N	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:O	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD1	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD2	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:C	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CA	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CB	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:H	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HA	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB2	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB3	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HG	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:N	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:O	8	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:SG	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:C	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CA	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CB	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CD	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CG	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:H	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HA	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB2	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB3	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG2	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG3	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:N	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:O	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE1	8	1.75
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE2	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:C	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CA	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CB	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CG	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:H	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HA	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB2	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB3	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:N	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:O	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD1	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD2	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:C	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CA	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CB	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG1	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG2	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:H	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HA	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HB	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG11	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG12	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG13	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG21	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG22	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG23	8	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:N	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:O	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:C	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CA	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CB	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CG	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:H	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HA	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB2	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB3	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:N	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:O	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD1	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD2	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:C	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CA	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CB	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:H	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HA	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB2	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB3	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HG	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:N	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:O	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:SG	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:C	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CA	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CB	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CD	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CG	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:H	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HA	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB2	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB3	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG2	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG3	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:N	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:O	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE1	8	1.75
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE2	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:C	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CA	8	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CB	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CG	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:H	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HA	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB2	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB3	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:N	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:O	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD1	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD2	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:C	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CA	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CB	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG1	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG2	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:H	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HA	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HB	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG11	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG12	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG13	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG21	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG22	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG23	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:N	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:O	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:C	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CA	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CB	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CG	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:H	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HA	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB2	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB3	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:N	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:O	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD1	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD2	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:C	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CA	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CB	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:H	8	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HA	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB2	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB3	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HG	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:N	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:O	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:SG	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:C	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CA	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CB	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CD	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CG	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:H	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HA	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB2	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB3	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG2	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG3	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:N	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:O	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE1	8	1.75
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE2	8	1.75
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CA	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HB	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:HG23	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:H	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:O	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:CG	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:HG3	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:C	2:B:42:GLU:OE2	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CA	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HB	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:HG23	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:O	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:H	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:O	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:CG	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:HG3	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:CA	2:B:42:GLU:OE2	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CA	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HB	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:HG23	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:H	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:O	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:CG	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:HG3	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:CB	2:B:42:GLU:OE2	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CA	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HB	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:HG23	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:CG	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:H	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:O	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:CG	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:HG3	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:CD	2:B:42:GLU:OE2	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:HB3	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CA	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HB	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:HG23	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:H	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:O	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CE	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:CG	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:HG3	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:CE	2:B:42:GLU:OE2	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CA	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HB	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:HG23	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:H	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:O	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:CG	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:HG3	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:CG	2:B:42:GLU:OE2	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CA	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CA	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HB	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:HG23	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:H	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:O	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:CG	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:HG3	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:H	2:B:42:GLU:OE2	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CA	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HB	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:HG23	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:H	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:O	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:CG	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:HG3	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:HA	2:B:42:GLU:OE2	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CA	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HB	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:HG23	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:O	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:H	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:O	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:CG	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:HG3	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:HB2	2:B:42:GLU:OE2	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CA	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HB	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:HG23	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:H	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:O	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:CG	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:HG3	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:HB3	2:B:42:GLU:OE2	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CA	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HB	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:HG23	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:CG	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:H	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:O	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:CG	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:HG3	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:HD2	2:B:42:GLU:OE2	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:HB3	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CA	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HB	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:HG23	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:H	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:O	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HD3	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:CG	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:HG3	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:HD3	2:B:42:GLU:OE2	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CA	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HB	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:HG23	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:H	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:O	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:CG	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:HG3	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:HE2	2:B:42:GLU:OE2	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CA	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CA	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HB	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:HG23	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:H	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:O	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:CG	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:HG3	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:HE3	2:B:42:GLU:OE2	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CA	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HB	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:HG23	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:H	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:O	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:CG	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:HG3	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:HG2	2:B:42:GLU:OE2	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CA	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HB	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:HG23	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:O	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:H	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:O	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:CG	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:HG3	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:HG3	2:B:42:GLU:OE2	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CA	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HB	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:HG23	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:H	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:O	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:CG	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:HG3	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:HZ1	2:B:42:GLU:OE2	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CA	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HB	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:HG23	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:CG	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:H	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:O	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:CG	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:HG3	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:HZ2	2:B:42:GLU:OE2	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:HB3	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CA	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HB	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:HG23	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:H	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:O	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:HZ3	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:CG	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:HG3	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:HZ3	2:B:42:GLU:OE2	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CA	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HB	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:HG23	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:H	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:O	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:CG	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:HG3	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:N	2:B:42:GLU:OE2	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CA	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CA	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HB	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:HG23	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:H	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:O	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:CG	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:HG3	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:NZ	2:B:42:GLU:OE2	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:31:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:C	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CA	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CB	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG1	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:CG2	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:H	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HA	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HB	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG11	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG12	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG13	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG21	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG22	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:HG23	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:N	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:35:VAL:O	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:C	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CA	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CB	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:CG	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:H	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HA	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB2	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:HB3	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:N	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:O	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD1	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:38:ASP:OD2	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:C	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CA	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:CB	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:H	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HA	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB2	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HB3	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:HG	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:N	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:O	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:39:CYS:SG	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:C	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CA	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CB	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CD	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:CG	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:H	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HA	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB2	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HB3	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG2	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:HG3	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:N	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:O	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE1	5	1.75
(1,4172)	1:A:122:LYS:O	2:B:42:GLU:OE2	5	1.75
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD12	8	1.75
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD11	8	1.75
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD13	8	1.75
(1,700)	1:A:79:LYS:HE3	1:A:81:ILE:HA	10	1.74
(1,94)	1:A:74:VAL:HG12	1:A:94:PRO:HA	3	1.73
(1,94)	1:A:74:VAL:HG11	1:A:94:PRO:HA	3	1.73
(1,94)	1:A:74:VAL:HG13	1:A:94:PRO:HA	3	1.73
(1,1198)	1:A:113:HIS:H	1:A:116:GLU:HB3	4	1.73
(1,94)	1:A:74:VAL:HG12	1:A:94:PRO:HA	4	1.72
(1,94)	1:A:74:VAL:HG11	1:A:94:PRO:HA	4	1.72
(1,94)	1:A:74:VAL:HG13	1:A:94:PRO:HA	4	1.72
(1,898)	1:A:85:LYS:HB3	1:A:86:PHE:H	8	1.72
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CA	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HB	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG23	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:H	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:O	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CG	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG3	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE2	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CA	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CA	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HB	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG23	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:H	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:O	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CG	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG3	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE2	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CA	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HB	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG23	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:H	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:O	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CG	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG3	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE2	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CA	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HB	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG23	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:O	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:H	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:O	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CG	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG3	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE2	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CA	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HB	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG23	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:H	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:O	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CG	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG3	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE2	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CA	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HB	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG23	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CG	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:H	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:O	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CG	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG3	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE2	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB3	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CA	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HB	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG23	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:H	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:O	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CG	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG3	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE2	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CA	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HB	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG23	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:H	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:O	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CG	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG3	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE2	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CA	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CA	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HB	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG23	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:H	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:O	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CG	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG3	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE2	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CA	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HB	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG23	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:H	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:O	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CG	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG3	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE2	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CA	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HB	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG23	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:O	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:H	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:O	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CG	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG3	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE2	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CA	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HB	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG23	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:H	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:O	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CG	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG3	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE2	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CA	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HB	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG23	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CG	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:H	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:O	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CG	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG3	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE2	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB3	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CA	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HB	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG23	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:H	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:O	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CG	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG3	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE2	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CA	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HB	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG23	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:H	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:O	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CG	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG3	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE2	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CA	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CA	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HB	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG23	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:H	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:O	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CG	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG3	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE2	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CA	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HB	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG23	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:H	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:O	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CG	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG3	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE2	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CA	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HB	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG23	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:O	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:H	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:O	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CG	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG3	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE2	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CA	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HB	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG23	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:H	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:O	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CG	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG3	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE2	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CA	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HB	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG23	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CG	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:H	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:O	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CG	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG3	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE2	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB3	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CA	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HB	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG23	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:H	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:O	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CG	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG3	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE2	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:C	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CA	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CB	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG1	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG2	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:H	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HA	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HB	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG11	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG12	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG13	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG21	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG22	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG23	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:N	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:O	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:C	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CA	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CB	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CG	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:H	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HA	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB2	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB3	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:N	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:O	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD1	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD2	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:C	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CA	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CB	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:H	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HA	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB2	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB3	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HG	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:N	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:O	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:SG	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:C	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CA	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CB	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CD	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CG	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:H	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HA	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB2	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB3	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG2	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG3	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:N	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:O	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE1	4	1.72
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE2	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:C	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CA	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CB	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CG	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:H	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HA	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB2	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB3	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:N	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:O	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD1	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD2	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:C	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CA	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CB	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG1	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG2	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:H	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HA	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HB	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG11	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG12	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG13	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG21	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG22	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG23	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:N	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:O	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:C	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CA	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CB	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CG	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:H	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HA	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB2	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB3	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:N	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:O	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD1	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD2	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:C	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CA	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CB	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:H	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HA	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB2	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB3	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HG	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:N	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:O	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:SG	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:C	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CA	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CB	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CD	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CG	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:H	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HA	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB2	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB3	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG2	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG3	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:N	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:O	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE1	4	1.72
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE2	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:C	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CA	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CB	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CG	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:H	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HA	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB2	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB3	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:N	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:O	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD1	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD2	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:C	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CA	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CB	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG1	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG2	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:H	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HA	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HB	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG11	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG12	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG13	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG21	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG22	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG23	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:N	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:O	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:C	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CA	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CB	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CG	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:H	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HA	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB2	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB3	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:N	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:O	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD1	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD2	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:C	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CA	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CB	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:H	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HA	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB2	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB3	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HG	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:N	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:O	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:SG	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:C	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CA	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CB	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CD	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CG	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:H	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HA	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB2	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB3	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG2	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG3	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:N	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:O	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE1	4	1.72
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE2	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:C	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CA	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CB	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CG	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:H	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HA	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB2	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB3	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:N	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:O	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD1	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD2	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:C	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CA	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CB	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG1	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG2	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:H	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HA	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HB	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG11	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG12	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG13	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG21	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG22	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG23	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:N	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:O	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:C	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CA	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CB	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CG	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:H	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HA	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB2	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB3	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:N	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:O	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD1	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD2	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:C	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CA	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CB	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:H	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HA	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB2	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB3	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HG	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:N	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:O	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:SG	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:C	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CA	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CB	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CD	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CG	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:H	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HA	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB2	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB3	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG2	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG3	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:N	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:O	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE1	4	1.72
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE2	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:C	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CA	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CB	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CG	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:H	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HA	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB2	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB3	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:N	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:O	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD1	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD2	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:C	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CA	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CB	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG1	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG2	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:H	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HA	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HB	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG11	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG12	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG13	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG21	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG22	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG23	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:N	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:O	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:C	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CA	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CB	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CG	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:H	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HA	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB2	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB3	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:N	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:O	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD1	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD2	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:C	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CA	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CB	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:H	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HA	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB2	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB3	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HG	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:N	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:O	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:SG	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:C	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CA	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CB	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CD	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CG	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:H	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HA	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB2	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB3	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG2	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG3	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:N	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:O	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE1	4	1.72
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE2	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:C	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CA	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CB	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CG	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:H	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HA	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB2	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB3	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:N	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:O	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD1	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD2	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:C	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CA	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CB	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG1	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG2	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:H	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HA	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HB	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG11	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG12	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG13	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG21	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG22	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG23	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:N	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:O	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:C	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CA	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CB	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CG	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:H	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HA	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB2	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB3	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:N	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:O	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD1	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD2	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:C	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CA	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CB	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:H	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HA	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB2	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB3	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HG	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:N	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:O	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:SG	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:C	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CA	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CB	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CD	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CG	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:H	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HA	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB2	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB3	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG2	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG3	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:N	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:O	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE1	4	1.72
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE2	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:C	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CA	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CB	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CG	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:H	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HA	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB2	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB3	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:N	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:O	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD1	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD2	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:C	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CA	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CB	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG1	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG2	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:H	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HA	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HB	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG11	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG12	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG13	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG21	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG22	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG23	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:N	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:O	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:C	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CA	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CB	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CG	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:H	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HA	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB2	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB3	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:N	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:O	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD1	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD2	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:C	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CA	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CB	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:H	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HA	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB2	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB3	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HG	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:N	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:O	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:SG	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:C	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CA	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CB	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CD	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CG	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:H	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HA	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB2	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB3	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG2	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG3	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:N	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:O	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE1	4	1.72
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE2	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:C	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CA	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CB	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CG	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:H	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HA	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB2	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB3	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:N	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:O	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD1	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD2	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:C	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CA	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CB	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG1	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG2	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:H	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HA	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HB	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG11	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG12	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG13	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG21	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG22	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG23	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:N	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:O	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:C	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CA	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CB	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CG	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:H	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HA	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB2	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB3	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:N	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:O	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD1	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD2	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:C	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CA	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CB	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:H	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HA	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB2	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB3	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HG	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:N	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:O	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:SG	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:C	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CA	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CB	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CD	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CG	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:H	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HA	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB2	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB3	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG2	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG3	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:N	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:O	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE1	4	1.72
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE2	4	1.72
(1,2616)	2:B:51:VAL:HG22	2:B:46:PHE:HZ	4	1.72
(1,2616)	2:B:51:VAL:HG21	2:B:46:PHE:HZ	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2616)	2:B:51:VAL:HG23	2:B:46:PHE:HZ	4	1.72
(1,834)	1:A:85:LYS:HE3	1:A:82:GLN:HA	2	1.71
(1,707)	1:A:122:LYS:HE3	1:A:143:THR:HG21	1	1.71
(1,707)	1:A:122:LYS:HE3	1:A:143:THR:HG22	1	1.71
(1,707)	1:A:122:LYS:HE3	1:A:143:THR:HG23	1	1.71
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:C	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CA	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CB	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CG	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:H	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HA	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB2	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB3	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:N	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:O	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD1	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD2	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:C	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CA	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CB	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG1	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG2	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:H	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HA	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HB	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG11	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG12	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG13	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG21	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG22	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG23	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:N	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:O	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:C	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CA	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CB	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CG	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:H	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HA	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB2	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB3	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:N	7	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:O	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD1	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD2	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:C	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CA	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CB	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:H	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HA	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB2	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB3	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HG	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:N	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:O	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:SG	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:C	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CA	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CB	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CD	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CG	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:H	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HA	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB2	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB3	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG2	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG3	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:N	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:O	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE1	7	1.71
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE2	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:C	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CA	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CB	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CG	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:H	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HA	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB2	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB3	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:N	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:O	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD1	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD2	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:C	7	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CA	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CB	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG1	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG2	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:H	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HA	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HB	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG11	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG12	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG13	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG21	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG22	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG23	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:N	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:O	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:C	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CA	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CB	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CG	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:H	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HA	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB2	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB3	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:N	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:O	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD1	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD2	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:C	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CA	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CB	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:H	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HA	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB2	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB3	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HG	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:N	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:O	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:SG	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:C	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CA	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CB	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CD	7	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CG	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:H	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HA	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB2	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB3	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG2	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG3	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:N	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:O	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE1	7	1.71
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE2	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:C	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CA	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CB	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CG	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:H	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HA	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB2	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB3	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:N	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:O	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD1	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD2	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:C	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CA	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CB	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG1	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG2	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:H	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HA	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HB	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG11	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG12	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG13	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG21	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG22	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG23	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:N	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:O	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:C	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CA	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CB	7	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CG	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:H	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HA	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB2	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB3	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:N	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:O	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD1	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD2	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:C	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CA	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CB	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:H	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HA	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB2	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB3	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HG	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:N	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:O	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:SG	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:C	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CA	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CB	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CD	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CG	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:H	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HA	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB2	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB3	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG2	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG3	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:N	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:O	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE1	7	1.71
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE2	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:C	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CA	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CB	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CG	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:H	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HA	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB2	7	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB3	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:N	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:O	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD1	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD2	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:C	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CA	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CB	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG1	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG2	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:H	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HA	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HB	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG11	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG12	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG13	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG21	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG22	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG23	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:N	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:O	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:C	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CA	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CB	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CG	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:H	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HA	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB2	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB3	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:N	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:O	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD1	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD2	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:C	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CA	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CB	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:H	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HA	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB2	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB3	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HG	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:N	7	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:O	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:SG	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:C	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CA	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CB	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CD	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CG	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:H	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HA	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB2	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB3	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG2	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG3	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:N	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:O	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE1	7	1.71
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE2	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:C	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CA	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CB	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CG	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:H	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HA	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB2	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB3	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:N	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:O	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD1	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD2	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:C	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CA	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CB	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG1	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG2	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:H	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HA	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HB	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG11	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG12	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG13	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG21	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG22	7	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG23	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:N	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:O	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:C	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CA	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CB	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CG	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:H	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HA	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB2	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB3	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:N	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:O	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD1	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD2	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:C	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CA	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CB	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:H	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HA	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB2	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB3	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HG	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:N	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:O	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:SG	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:C	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CA	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CB	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CD	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CG	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:H	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HA	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB2	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB3	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG2	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG3	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:N	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:O	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE1	7	1.71
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE2	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:C	7	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CA	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CB	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CG	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:H	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HA	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB2	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB3	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:N	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:O	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD1	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD2	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:C	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CA	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CB	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG1	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG2	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:H	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HA	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HB	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG11	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG12	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG13	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG21	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG22	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG23	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:N	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:O	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:C	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CA	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CB	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CG	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:H	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HA	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB2	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB3	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:N	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:O	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD1	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD2	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:C	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CA	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CB	7	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:H	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HA	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB2	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB3	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HG	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:N	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:O	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:SG	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:C	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CA	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CB	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CD	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CG	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:H	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HA	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB2	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB3	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG2	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG3	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:N	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:O	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE1	7	1.71
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE2	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:C	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CA	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CB	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CG	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:H	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HA	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB2	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB3	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:N	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:O	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD1	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD2	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:C	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CA	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CB	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG1	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG2	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:H	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HA	7	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HB	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG11	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG12	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG13	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG21	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG22	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG23	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:N	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:O	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:C	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CA	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CB	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CG	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:H	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HA	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB2	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB3	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:N	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:O	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD1	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD2	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:C	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CA	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CB	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:H	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HA	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB2	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB3	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HG	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:N	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:O	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:SG	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:C	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CA	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CB	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CD	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CG	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:H	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HA	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB2	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB3	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG2	7	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG3	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:N	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:O	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE1	7	1.71
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE2	7	1.71
(1,95)	1:A:74:VAL:HG12	1:A:94:PRO:HD3	6	1.7
(1,95)	1:A:74:VAL:HG11	1:A:94:PRO:HD3	6	1.7
(1,95)	1:A:74:VAL:HG13	1:A:94:PRO:HD3	6	1.7
(1,94)	1:A:74:VAL:HG12	1:A:94:PRO:HA	7	1.7
(1,94)	1:A:74:VAL:HG11	1:A:94:PRO:HA	7	1.7
(1,94)	1:A:74:VAL:HG13	1:A:94:PRO:HA	7	1.7
(1,82)	1:A:148:ILE:HG22	1:A:150:PRO:HD2	8	1.7
(1,82)	1:A:148:ILE:HG21	1:A:150:PRO:HD2	8	1.7
(1,82)	1:A:148:ILE:HG23	1:A:150:PRO:HD2	8	1.7
(1,63)	1:A:83:ALA:HB2	1:A:85:LYS:HE3	3	1.7
(1,63)	1:A:83:ALA:HB1	1:A:85:LYS:HE3	3	1.7
(1,63)	1:A:83:ALA:HB3	1:A:85:LYS:HE3	3	1.7
(1,63)	1:A:83:ALA:HB2	1:A:85:LYS:HE3	10	1.7
(1,63)	1:A:83:ALA:HB1	1:A:85:LYS:HE3	10	1.7
(1,63)	1:A:83:ALA:HB3	1:A:85:LYS:HE3	10	1.7
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG1	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG12	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:O	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB2	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:C	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HA	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:O	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE2	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG1	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG12	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:O	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD2	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB2	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:C	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HA	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:O	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE2	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG1	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG12	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:O	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB2	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:C	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HA	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:O	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE2	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG1	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG12	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:O	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HA	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB2	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:C	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HA	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:O	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE2	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:O	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG1	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG12	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:O	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB2	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:C	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HA	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:O	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE2	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG1	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG12	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:O	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB2	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:C	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HA	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:O	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE2	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CG	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG1	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG12	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:O	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB2	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:C	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HA	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:O	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE2	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG1	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG12	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:O	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB2	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:C	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HA	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:O	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE2	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG1	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG12	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:O	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD2	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB2	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:C	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HA	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:O	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE2	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG1	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG12	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:O	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB2	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:C	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HA	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:O	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE2	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG1	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG12	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:O	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HA	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB2	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:C	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HA	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:O	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE2	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:O	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG1	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG12	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:O	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB2	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:C	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HA	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:O	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE2	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG1	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG12	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:O	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB2	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:C	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HA	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:O	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE2	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CG	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG1	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG12	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:O	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB2	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:C	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HA	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:O	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE2	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG1	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG12	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:O	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB2	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:C	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HA	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:O	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE2	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG1	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG12	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:O	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD2	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB2	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:C	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HA	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:O	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE2	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG1	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG12	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:O	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB2	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:C	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HA	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:O	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE2	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG1	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG12	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:O	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HA	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB2	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:C	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HA	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:O	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE2	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:O	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG1	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG12	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:O	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB2	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:C	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HA	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:O	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE2	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG1	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG12	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:O	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB2	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:C	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HA	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:O	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE2	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CG	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG1	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG12	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:O	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB2	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:C	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HA	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:O	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE2	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:C	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CA	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CB	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG1	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG2	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:H	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HA	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HB	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG11	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG12	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG13	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG21	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG22	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG23	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:N	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:O	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:C	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CA	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CB	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CG	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:H	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HA	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB2	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB3	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:N	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:O	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD1	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD2	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:C	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CA	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CB	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:H	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HA	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB2	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB3	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HG	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:N	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:O	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:SG	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:C	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CA	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CB	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CD	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CG	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:H	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HA	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB2	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB3	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG2	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG3	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:N	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:O	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE1	8	1.7
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE2	8	1.7
(1,229)	1:A:118:LYS:HB2	1:A:118:LYS:HE3	8	1.7
(1,1155)	1:A:137:VAL:H	1:A:137:VAL:HG22	5	1.7
(1,1155)	1:A:137:VAL:H	1:A:137:VAL:HG21	5	1.7
(1,1155)	1:A:137:VAL:H	1:A:137:VAL:HG23	5	1.7
(1,1123)	1:A:87:SER:H	1:A:79:LYS:HD3	3	1.7
(1,700)	1:A:79:LYS:HE3	1:A:81:ILE:HA	8	1.69
(1,63)	1:A:83:ALA:HB2	1:A:85:LYS:HE3	5	1.69
(1,63)	1:A:83:ALA:HB1	1:A:85:LYS:HE3	5	1.69
(1,63)	1:A:83:ALA:HB3	1:A:85:LYS:HE3	5	1.69
(1,2786)	2:B:20:VAL:HG12	2:B:34:ASN:HD22	4	1.69
(1,2786)	2:B:20:VAL:HG11	2:B:34:ASN:HD22	4	1.69
(1,2786)	2:B:20:VAL:HG13	2:B:34:ASN:HD22	4	1.69
(1,135)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	3	1.69
(1,135)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	3	1.69
(1,135)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	3	1.69
(1,57)	1:A:81:ILE:HD12	1:A:145:THR:HB	8	1.68
(1,57)	1:A:81:ILE:HD11	1:A:145:THR:HB	8	1.68
(1,57)	1:A:81:ILE:HD13	1:A:145:THR:HB	8	1.68
(1,2890)	2:B:21:GLU:HA	2:B:23:LYS:HE3	5	1.68
(1,2891)	2:C:21:GLU:HA	2:C:23:LYS:HE3	10	1.67
(1,1021)	1:A:103:GLN:HG3	1:A:103:GLN:H	5	1.67
(1,1452)	1:A:105:LEU:HD22	1:A:90:HIS:HE1	10	1.66
(1,1452)	1:A:105:LEU:HD21	1:A:90:HIS:HE1	10	1.66
(1,1452)	1:A:105:LEU:HD23	1:A:90:HIS:HE1	10	1.66
(1,1452)	1:A:78:LEU:HD22	1:A:90:HIS:HE1	10	1.66
(1,1452)	1:A:78:LEU:HD21	1:A:90:HIS:HE1	10	1.66
(1,1452)	1:A:78:LEU:HD23	1:A:90:HIS:HE1	10	1.66
(1,1356)	1:A:151:ASN:HA	1:A:151:ASN:HD22	4	1.66
(1,2890)	2:B:21:GLU:HA	2:B:23:LYS:HE3	1	1.65
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD12	6	1.65
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD11	6	1.65
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD13	6	1.65
(1,834)	1:A:85:LYS:HE3	1:A:82:GLN:HA	6	1.64
(1,732)	1:A:81:ILE:HA	1:A:79:LYS:HD3	2	1.64
(1,3193)	2:C:51:VAL:HG12	2:C:14:ASN:H	9	1.64
(1,3193)	2:C:51:VAL:HG11	2:C:14:ASN:H	9	1.64
(1,3193)	2:C:51:VAL:HG13	2:C:14:ASN:H	9	1.64
(1,1629)	1:A:105:LEU:HD12	1:A:90:HIS:HE1	3	1.64
(1,1629)	1:A:105:LEU:HD11	1:A:90:HIS:HE1	3	1.64
(1,1629)	1:A:105:LEU:HD13	1:A:90:HIS:HE1	3	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1629)	1:A:105:LEU:HD12	1:A:104:HIS:HE1	3	1.64
(1,1629)	1:A:105:LEU:HD11	1:A:104:HIS:HE1	3	1.64
(1,1629)	1:A:105:LEU:HD13	1:A:104:HIS:HE1	3	1.64
(1,1457)	1:A:120:LEU:HD22	1:A:118:LYS:HE3	1	1.63
(1,1457)	1:A:120:LEU:HD21	1:A:118:LYS:HE3	1	1.63
(1,1457)	1:A:120:LEU:HD23	1:A:118:LYS:HE3	1	1.63
(1,1457)	1:A:126:LEU:HD22	1:A:124:LYS:HE2	1	1.63
(1,1457)	1:A:126:LEU:HD21	1:A:124:LYS:HE2	1	1.63
(1,1457)	1:A:126:LEU:HD23	1:A:124:LYS:HE2	1	1.63
(1,1356)	1:A:151:ASN:HA	1:A:151:ASN:HD22	7	1.62
(1,1338)	1:A:99:LEU:HD12	1:A:103:GLN:HE21	8	1.62
(1,1338)	1:A:99:LEU:HD11	1:A:103:GLN:HE21	8	1.62
(1,1338)	1:A:99:LEU:HD13	1:A:103:GLN:HE21	8	1.62
(1,1198)	1:A:113:HIS:H	1:A:116:GLU:HB3	7	1.62
(1,717)	1:A:120:LEU:HG	1:A:125:VAL:HA	1	1.61
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG22	10	1.61
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG21	10	1.61
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG23	10	1.61
(1,157)	1:A:99:LEU:HD22	1:A:103:GLN:HE22	3	1.61
(1,157)	1:A:99:LEU:HD21	1:A:103:GLN:HE22	3	1.61
(1,157)	1:A:99:LEU:HD23	1:A:103:GLN:HE22	3	1.61
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:C	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CA	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CB	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CG	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:H	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HA	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB2	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB3	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:N	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:O	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD1	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD2	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:C	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CA	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CB	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG1	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG2	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:H	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HA	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HB	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG11	6	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG12	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG13	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG21	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG22	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG23	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:N	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:O	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:C	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CA	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CB	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CG	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:H	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HA	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB2	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB3	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:N	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:O	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD1	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD2	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:C	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CA	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CB	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:H	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HA	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB2	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB3	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HG	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:N	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:O	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:SG	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:C	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CA	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CB	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CD	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CG	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:H	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HA	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB2	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB3	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG2	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG3	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:N	6	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:O	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE1	6	1.6
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE2	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:C	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CA	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CB	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CG	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:H	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HA	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB2	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB3	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:N	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:O	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD1	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD2	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:C	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CA	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CB	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG1	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG2	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:H	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HA	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HB	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG11	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG12	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG13	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG21	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG22	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG23	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:N	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:O	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:C	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CA	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CB	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CG	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:H	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HA	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB2	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB3	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:N	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:O	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD1	6	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD2	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:C	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CA	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CB	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:H	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HA	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB2	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB3	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HG	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:N	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:O	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:SG	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:C	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CA	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CB	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CD	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CG	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:H	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HA	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB2	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB3	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG2	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG3	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:N	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:O	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE1	6	1.6
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE2	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:C	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CA	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CB	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CG	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:H	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HA	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB2	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB3	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:N	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:O	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD1	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD2	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:C	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CA	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CB	6	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG1	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG2	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:H	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HA	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HB	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG11	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG12	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG13	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG21	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG22	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG23	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:N	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:O	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:C	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CA	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CB	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CG	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:H	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HA	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB2	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB3	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:N	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:O	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD1	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD2	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:C	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CA	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CB	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:H	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HA	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB2	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB3	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HG	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:N	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:O	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:SG	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:C	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CA	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CB	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CD	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CG	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:H	6	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HA	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB2	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB3	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG2	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG3	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:N	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:O	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE1	6	1.6
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE2	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:C	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CA	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CB	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CG	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:H	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HA	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB2	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB3	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:N	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:O	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD1	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD2	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:C	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CA	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CB	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG1	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG2	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:H	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HA	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HB	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG11	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG12	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG13	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG21	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG22	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG23	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:N	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:O	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:C	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CA	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CB	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CG	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:H	6	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HA	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB2	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB3	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:N	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:O	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD1	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD2	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:C	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CA	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CB	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:H	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HA	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB2	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB3	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HG	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:N	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:O	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:SG	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:C	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CA	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CB	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CD	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CG	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:H	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HA	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB2	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB3	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG2	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG3	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:N	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:O	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE1	6	1.6
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE2	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:C	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CA	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CB	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CG	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:H	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HA	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB2	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB3	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:N	6	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:O	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD1	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD2	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:C	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CA	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CB	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG1	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG2	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:H	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HA	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HB	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG11	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG12	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG13	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG21	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG22	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG23	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:N	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:O	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:C	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CA	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CB	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CG	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:H	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HA	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB2	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB3	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:N	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:O	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD1	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD2	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:C	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CA	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CB	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:H	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HA	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB2	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB3	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HG	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:N	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:O	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:SG	6	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:C	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CA	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CB	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CD	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CG	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:H	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HA	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB2	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB3	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG2	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG3	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:N	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:O	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE1	6	1.6
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE2	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:C	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CA	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CB	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CG	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:H	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HA	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB2	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB3	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:N	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:O	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD1	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD2	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:C	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CA	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CB	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG1	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG2	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:H	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HA	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HB	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG11	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG12	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG13	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG21	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG22	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG23	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:N	6	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:O	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:C	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CA	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CB	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CG	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:H	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HA	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB2	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB3	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:N	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:O	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD1	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD2	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:C	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CA	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CB	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:H	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HA	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB2	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB3	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HG	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:N	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:O	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:SG	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:C	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CA	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CB	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CD	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CG	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:H	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HA	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB2	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB3	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG2	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG3	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:N	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:O	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE1	6	1.6
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE2	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:C	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CA	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CB	6	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CG	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:H	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HA	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB2	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB3	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:N	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:O	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD1	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD2	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:C	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CA	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CB	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG1	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG2	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:H	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HA	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HB	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG11	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG12	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG13	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG21	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG22	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG23	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:N	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:O	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:C	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CA	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CB	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CG	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:H	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HA	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB2	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB3	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:N	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:O	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD1	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD2	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:C	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CA	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CB	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:H	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HA	6	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB2	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB3	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HG	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:N	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:O	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:SG	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:C	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CA	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CB	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CD	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CG	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:H	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HA	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB2	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB3	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG2	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG3	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:N	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:O	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE1	6	1.6
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE2	6	1.6
(1,2785)	2:C:51:VAL:HG22	2:C:14:ASN:H	9	1.6
(1,2785)	2:C:51:VAL:HG21	2:C:14:ASN:H	9	1.6
(1,2785)	2:C:51:VAL:HG23	2:C:14:ASN:H	9	1.6
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG12	1	1.6
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG11	1	1.6
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG13	1	1.6
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG12	1	1.6
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG11	1	1.6
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG13	1	1.6
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG12	1	1.6
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG11	1	1.6
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG13	1	1.6
(1,2616)	2:B:51:VAL:HG22	2:B:46:PHE:HZ	7	1.6
(1,2616)	2:B:51:VAL:HG21	2:B:46:PHE:HZ	7	1.6
(1,2616)	2:B:51:VAL:HG23	2:B:46:PHE:HZ	7	1.6
(1,2158)	2:B:13:VAL:HG22	2:B:48:ARG:HD3	5	1.6
(1,2158)	2:B:13:VAL:HG21	2:B:48:ARG:HD3	5	1.6
(1,2158)	2:B:13:VAL:HG23	2:B:48:ARG:HD3	5	1.6
(1,186)	1:A:120:LEU:HD22	1:A:120:LEU:H	10	1.6
(1,186)	1:A:120:LEU:HD21	1:A:120:LEU:H	10	1.6
(1,186)	1:A:120:LEU:HD23	1:A:120:LEU:H	10	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,179)	1:A:120:LEU:HD22	1:A:147:MET:HG3	3	1.6
(1,179)	1:A:120:LEU:HD21	1:A:147:MET:HG3	3	1.6
(1,179)	1:A:120:LEU:HD23	1:A:147:MET:HG3	3	1.6
(1,1172)	1:A:85:LYS:HE3	1:A:83:ALA:H	9	1.59
(1,117)	1:A:125:VAL:HG22	1:A:126:LEU:H	5	1.59
(1,117)	1:A:125:VAL:HG21	1:A:126:LEU:H	5	1.59
(1,117)	1:A:125:VAL:HG23	1:A:126:LEU:H	5	1.59
(1,95)	1:A:74:VAL:HG12	1:A:94:PRO:HD3	7	1.58
(1,95)	1:A:74:VAL:HG11	1:A:94:PRO:HD3	7	1.58
(1,95)	1:A:74:VAL:HG13	1:A:94:PRO:HD3	7	1.58
(1,2882)	2:B:13:VAL:HG12	2:B:41:SER:HB3	7	1.58
(1,2882)	2:B:13:VAL:HG11	2:B:41:SER:HB3	7	1.58
(1,2882)	2:B:13:VAL:HG13	2:B:41:SER:HB3	7	1.58
(1,2089)	2:C:8:ILE:HD12	2:B:19:ILE:HG12	5	1.58
(1,2089)	2:C:8:ILE:HD11	2:B:19:ILE:HG12	5	1.58
(1,2089)	2:C:8:ILE:HD13	2:B:19:ILE:HG12	5	1.58
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD22	3	1.58
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD21	3	1.58
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD23	3	1.58
(1,1660)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	3	1.58
(1,1660)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	3	1.58
(1,1660)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	3	1.58
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD12	1	1.58
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD11	1	1.58
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD13	1	1.58
(1,94)	1:A:74:VAL:HG12	1:A:94:PRO:HA	9	1.57
(1,94)	1:A:74:VAL:HG11	1:A:94:PRO:HA	9	1.57
(1,94)	1:A:74:VAL:HG13	1:A:94:PRO:HA	9	1.57
(1,700)	1:A:79:LYS:HE3	1:A:81:ILE:HA	4	1.57
(1,2615)	2:C:13:VAL:HG12	2:C:48:ARG:HG2	8	1.57
(1,2615)	2:C:13:VAL:HG11	2:C:48:ARG:HG2	8	1.57
(1,2615)	2:C:13:VAL:HG13	2:C:48:ARG:HG2	8	1.57
(1,1356)	1:A:151:ASN:HA	1:A:151:ASN:HD22	2	1.57
(1,1172)	1:A:85:LYS:HE3	1:A:83:ALA:H	3	1.57
(1,2699)	2:C:54:ILE:HG22	2:C:6:GLU:HG3	2	1.56
(1,2699)	2:C:54:ILE:HG21	2:C:6:GLU:HG3	2	1.56
(1,2699)	2:C:54:ILE:HG23	2:C:6:GLU:HG3	2	1.56
(1,2616)	2:B:51:VAL:HG22	2:B:46:PHE:HZ	8	1.56
(1,2616)	2:B:51:VAL:HG21	2:B:46:PHE:HZ	8	1.56
(1,2616)	2:B:51:VAL:HG23	2:B:46:PHE:HZ	8	1.56
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:C	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CA	2	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CB	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:CG	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:H	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HA	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB2	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:HB3	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:N	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:O	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD1	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:31:ASP:OD2	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:C	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CA	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CB	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG1	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:CG2	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:H	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HA	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HB	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG11	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG12	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG13	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG21	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG22	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:HG23	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:N	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:35:VAL:O	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:C	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CA	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CB	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:CG	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:H	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HA	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB2	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:HB3	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:N	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:O	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD1	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:38:ASP:OD2	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:C	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CA	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:CB	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:H	2	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HA	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB2	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HB3	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:HG	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:N	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:O	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:39:CYS:SG	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:C	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CA	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CB	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CD	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:CG	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:H	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HA	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB2	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HB3	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG2	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:HG3	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:N	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:O	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE1	2	1.55
(1,4173)	1:A:123:GLY:C	2:B:42:GLU:OE2	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:C	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CA	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CB	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:CG	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:H	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HA	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB2	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:HB3	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:N	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:O	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD1	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:31:ASP:OD2	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:C	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CA	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CB	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG1	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:CG2	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:H	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HA	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HB	2	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG11	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG12	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG13	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG21	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG22	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:HG23	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:N	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:35:VAL:O	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:C	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CA	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CB	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:CG	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:H	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HA	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB2	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:HB3	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:N	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:O	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD1	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:38:ASP:OD2	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:C	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CA	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:CB	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:H	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HA	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB2	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HB3	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:HG	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:N	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:O	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:39:CYS:SG	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:C	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CA	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CB	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CD	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:CG	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:H	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HA	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB2	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HB3	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG2	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:HG3	2	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:N	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:O	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE1	2	1.55
(1,4173)	1:A:123:GLY:CA	2:B:42:GLU:OE2	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:C	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CA	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CB	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:CG	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:H	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HA	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB2	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:HB3	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:N	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:O	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD1	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:31:ASP:OD2	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:C	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CA	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CB	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG1	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:CG2	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:H	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HA	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HB	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG11	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG12	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG13	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG21	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG22	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:HG23	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:N	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:35:VAL:O	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:C	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CA	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CB	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:CG	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:H	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HA	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB2	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:HB3	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:N	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:O	2	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD1	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:38:ASP:OD2	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:C	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CA	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:CB	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:H	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HA	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB2	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HB3	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:HG	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:N	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:O	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:39:CYS:SG	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:C	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CA	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CB	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CD	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:CG	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:H	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HA	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB2	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HB3	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG2	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:HG3	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:N	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:O	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE1	2	1.55
(1,4173)	1:A:123:GLY:H	2:B:42:GLU:OE2	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:C	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CA	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CB	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:CG	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:H	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HA	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB2	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:HB3	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:N	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:O	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD1	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:31:ASP:OD2	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:C	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CA	2	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CB	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG1	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:CG2	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:H	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HA	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HB	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG11	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG12	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG13	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG21	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG22	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:HG23	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:N	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:35:VAL:O	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:C	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CA	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CB	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:CG	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:H	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HA	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB2	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:HB3	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:N	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:O	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD1	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:38:ASP:OD2	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:C	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CA	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:CB	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:H	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HA	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB2	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HB3	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:HG	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:N	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:O	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:39:CYS:SG	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:C	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CA	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CB	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CD	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:CG	2	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:H	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HA	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB2	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HB3	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG2	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:HG3	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:N	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:O	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE1	2	1.55
(1,4173)	1:A:123:GLY:HA2	2:B:42:GLU:OE2	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:C	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CA	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CB	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:CG	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:H	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HA	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB2	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:HB3	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:N	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:O	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD1	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:31:ASP:OD2	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:C	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CA	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CB	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG1	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:CG2	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:H	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HA	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HB	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG11	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG12	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG13	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG21	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG22	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:HG23	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:N	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:35:VAL:O	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:C	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CA	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CB	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:CG	2	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:H	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HA	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB2	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:HB3	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:N	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:O	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD1	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:38:ASP:OD2	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:C	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CA	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:CB	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:H	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HA	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB2	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HB3	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:HG	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:N	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:O	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:39:CYS:SG	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:C	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CA	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CB	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CD	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:CG	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:H	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HA	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB2	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HB3	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG2	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:HG3	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:N	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:O	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE1	2	1.55
(1,4173)	1:A:123:GLY:HA3	2:B:42:GLU:OE2	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:C	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CA	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CB	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:CG	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:H	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HA	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB2	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:HB3	2	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:N	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:O	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD1	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:31:ASP:OD2	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:C	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CA	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CB	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG1	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:CG2	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:H	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HA	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HB	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG11	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG12	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG13	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG21	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG22	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:HG23	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:N	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:35:VAL:O	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:C	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CA	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CB	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:CG	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:H	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HA	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB2	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:HB3	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:N	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:O	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD1	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:38:ASP:OD2	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:C	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CA	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:CB	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:H	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HA	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB2	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HB3	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:HG	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:N	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:O	2	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:N	2:B:39:CYS:SG	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:C	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CA	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CB	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CD	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:CG	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:H	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HA	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB2	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HB3	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG2	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:HG3	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:N	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:O	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE1	2	1.55
(1,4173)	1:A:123:GLY:N	2:B:42:GLU:OE2	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:C	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CA	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CB	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:CG	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:H	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HA	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB2	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:HB3	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:N	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:O	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD1	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:31:ASP:OD2	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:C	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CA	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CB	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG1	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:CG2	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:H	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HA	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HB	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG11	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG12	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG13	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG21	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG22	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:HG23	2	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:N	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:35:VAL:O	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:C	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CA	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CB	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:CG	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:H	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HA	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB2	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:HB3	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:N	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:O	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD1	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:38:ASP:OD2	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:C	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CA	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:CB	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:H	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HA	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB2	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HB3	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:HG	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:N	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:O	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:39:CYS:SG	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:C	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CA	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CB	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CD	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:CG	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:H	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HA	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB2	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HB3	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG2	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:HG3	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:N	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:O	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE1	2	1.55
(1,4173)	1:A:123:GLY:O	2:B:42:GLU:OE2	2	1.55
(1,2692)	2:B:50:ALA:HB2	2:B:47:GLU:HB2	4	1.55
(1,2692)	2:B:50:ALA:HB1	2:B:47:GLU:HB2	4	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2692)	2:B:50:ALA:HB3	2:B:47:GLU:HB2	4	1.55
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD12	5	1.55
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD11	5	1.55
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD13	5	1.55
(1,732)	1:A:81:ILE:HA	1:A:79:LYS:HD3	4	1.54
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD12	8	1.54
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD11	8	1.54
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD13	8	1.54
(1,94)	1:A:74:VAL:HG12	1:A:94:PRO:HA	10	1.53
(1,94)	1:A:74:VAL:HG11	1:A:94:PRO:HA	10	1.53
(1,94)	1:A:74:VAL:HG13	1:A:94:PRO:HA	10	1.53
(1,1356)	1:A:151:ASN:HA	1:A:151:ASN:HD22	8	1.53
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD12	4	1.53
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD11	4	1.53
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD13	4	1.53
(1,1172)	1:A:85:LYS:HE3	1:A:83:ALA:H	6	1.53
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG22	4	1.52
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG21	4	1.52
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG23	4	1.52
(1,56)	1:A:114:ILE:HD12	1:A:103:GLN:HE21	3	1.52
(1,56)	1:A:114:ILE:HD11	1:A:103:GLN:HE21	3	1.52
(1,56)	1:A:114:ILE:HD13	1:A:103:GLN:HE21	3	1.52
(1,1351)	1:A:141:ASN:HD21	1:A:121:LEU:HG	4	1.52
(1,2389)	2:C:20:VAL:HG22	2:C:34:ASN:HD22	7	1.51
(1,2389)	2:C:20:VAL:HG21	2:C:34:ASN:HD22	7	1.51
(1,2389)	2:C:20:VAL:HG23	2:C:34:ASN:HD22	7	1.51
(1,1629)	1:A:105:LEU:HD12	1:A:90:HIS:HE1	8	1.51
(1,1629)	1:A:105:LEU:HD11	1:A:90:HIS:HE1	8	1.51
(1,1629)	1:A:105:LEU:HD13	1:A:90:HIS:HE1	8	1.51
(1,1629)	1:A:105:LEU:HD12	1:A:104:HIS:HE1	8	1.51
(1,1629)	1:A:105:LEU:HD11	1:A:104:HIS:HE1	8	1.51
(1,1629)	1:A:105:LEU:HD13	1:A:104:HIS:HE1	8	1.51
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD12	10	1.51
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD11	10	1.51
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD13	10	1.51
(1,1172)	1:A:85:LYS:HE3	1:A:83:ALA:H	8	1.51
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HA	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:31:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:H	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG21	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CA	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:HG	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CB	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HB3	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:C	2:B:42:GLU:OE2	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:31:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:H	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG21	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CA	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:HG	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CB	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HB3	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:CA	2:B:42:GLU:OE2	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:31:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:H	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG21	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CA	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:HG	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CB	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HB3	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:CB	2:B:42:GLU:OE2	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:31:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:H	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG21	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CA	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:HG	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CB	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HB3	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:CD	2:B:42:GLU:OE2	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:31:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:H	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG21	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:HB3	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CA	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:HG	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CB	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HB3	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:CE	2:B:42:GLU:OE2	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:31:ASP:OD2	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:H	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG21	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CA	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:HG	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CB	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HB3	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:CG	2:B:42:GLU:OE2	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:31:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:H	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG21	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CA	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CA	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:HG	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CB	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HB3	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:H	2:B:42:GLU:OE2	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HA	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:31:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:H	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG21	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CA	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:HG	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CB	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HB3	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:HA	2:B:42:GLU:OE2	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:31:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:H	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG21	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CA	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:HG	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CB	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HB3	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:HB2	2:B:42:GLU:OE2	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:31:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:H	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG21	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CA	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:HG	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CB	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HB3	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:HB3	2:B:42:GLU:OE2	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:31:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:H	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG21	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CA	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:HG	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CB	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HB3	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:HD2	2:B:42:GLU:OE2	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:31:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:H	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG21	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:HB3	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CA	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:HG	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CB	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HB3	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:HD3	2:B:42:GLU:OE2	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:31:ASP:OD2	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:H	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG21	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CA	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:HG	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CB	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HB3	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:HE2	2:B:42:GLU:OE2	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:31:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:H	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG21	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CA	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CA	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:HG	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CB	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HB3	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:HE3	2:B:42:GLU:OE2	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HA	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:31:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:H	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG21	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CA	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:HG	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CB	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HB3	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:HG2	2:B:42:GLU:OE2	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:31:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:H	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG21	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CA	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:HG	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CB	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HB3	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:HG3	2:B:42:GLU:OE2	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:31:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:H	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG21	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CA	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:HG	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CB	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HB3	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:HZ1	2:B:42:GLU:OE2	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:31:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:H	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG21	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CA	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:HG	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CB	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HB3	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:HZ2	2:B:42:GLU:OE2	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:31:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:H	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG21	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:HB3	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CA	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:HG	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CB	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HB3	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:HZ3	2:B:42:GLU:OE2	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:31:ASP:OD2	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:H	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG21	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CA	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:HG	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CB	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HB3	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:N	2:B:42:GLU:OE2	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:31:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:H	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG21	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CA	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CA	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:HG	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CB	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HB3	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:NZ	2:B:42:GLU:OE2	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HA	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:31:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:C	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CA	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CB	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG1	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:CG2	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:H	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HA	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HB	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG11	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG12	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG13	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG21	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG22	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:HG23	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:N	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:35:VAL:O	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:C	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CA	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CB	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:CG	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:H	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HA	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB2	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:HB3	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:N	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:O	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD1	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:38:ASP:OD2	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:C	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CA	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:CB	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:H	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HA	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB2	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HB3	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:HG	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:N	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:O	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:39:CYS:SG	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:C	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CA	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CB	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CD	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:CG	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:H	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HA	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB2	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HB3	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG2	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:HG3	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:N	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:O	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE1	2	1.5
(1,4174)	1:A:124:LYS:O	2:B:42:GLU:OE2	2	1.5
(1,2891)	2:C:21:GLU:HA	2:C:23:LYS:HE3	1	1.5
(1,150)	1:A:78:LEU:HD12	1:A:92:PHE:HZ	2	1.5
(1,150)	1:A:78:LEU:HD11	1:A:92:PHE:HZ	2	1.5
(1,150)	1:A:78:LEU:HD13	1:A:92:PHE:HZ	2	1.5
(1,1123)	1:A:87:SER:H	1:A:79:LYS:HD3	1	1.5
(1,610)	1:A:108:GLU:HG3	1:A:107:SER:HB3	3	1.49
(1,2243)	2:C:11:LEU:HA	2:C:54:ILE:HB	9	1.49
(1,705)	1:A:122:LYS:HE3	1:A:122:LYS:HB3	10	1.48
(1,52)	1:A:81:ILE:HD12	1:A:81:ILE:H	3	1.48
(1,52)	1:A:81:ILE:HD11	1:A:81:ILE:H	3	1.48
(1,52)	1:A:81:ILE:HD13	1:A:81:ILE:H	3	1.48
(1,2883)	2:C:13:VAL:HG12	2:C:41:SER:HB3	4	1.48
(1,2883)	2:C:13:VAL:HG11	2:C:41:SER:HB3	4	1.48
(1,2883)	2:C:13:VAL:HG13	2:C:41:SER:HB3	4	1.48
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG12	10	1.48
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG11	10	1.48
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG13	10	1.48
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG12	10	1.48
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG11	10	1.48
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG13	10	1.48
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG12	10	1.48
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG11	10	1.48
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG13	10	1.48
(1,2042)	2:B:5:LYS:HD3	2:B:44:PHE:HZ	9	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD12	3	1.47
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD11	3	1.47
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD13	3	1.47
(1,2628)	2:B:37:MET:HB3	2:B:17:SER:HB3	8	1.47
(1,1123)	1:A:87:SER:H	1:A:79:LYS:HD3	10	1.47
(1,94)	1:A:74:VAL:HG12	1:A:94:PRO:HA	1	1.46
(1,94)	1:A:74:VAL:HG11	1:A:94:PRO:HA	1	1.46
(1,94)	1:A:74:VAL:HG13	1:A:94:PRO:HA	1	1.46
(1,2088)	2:B:8:ILE:HD12	2:C:19:ILE:HG12	5	1.46
(1,2088)	2:B:8:ILE:HD11	2:C:19:ILE:HG12	5	1.46
(1,2088)	2:B:8:ILE:HD13	2:C:19:ILE:HG12	5	1.46
(1,150)	1:A:78:LEU:HD12	1:A:92:PHE:HZ	5	1.46
(1,150)	1:A:78:LEU:HD11	1:A:92:PHE:HZ	5	1.46
(1,150)	1:A:78:LEU:HD13	1:A:92:PHE:HZ	5	1.46
(1,58)	1:A:114:ILE:HD12	1:A:99:LEU:HA	1	1.45
(1,58)	1:A:114:ILE:HD11	1:A:99:LEU:HA	1	1.45
(1,58)	1:A:114:ILE:HD13	1:A:99:LEU:HA	1	1.45
(1,52)	1:A:81:ILE:HD12	1:A:81:ILE:H	4	1.45
(1,52)	1:A:81:ILE:HD11	1:A:81:ILE:H	4	1.45
(1,52)	1:A:81:ILE:HD13	1:A:81:ILE:H	4	1.45
(1,25)	1:A:144:ILE:HD12	1:A:120:LEU:H	7	1.45
(1,25)	1:A:144:ILE:HD11	1:A:120:LEU:H	7	1.45
(1,25)	1:A:144:ILE:HD13	1:A:120:LEU:H	7	1.45
(1,559)	1:A:115:SER:HA	1:A:114:ILE:HG22	1	1.44
(1,559)	1:A:115:SER:HA	1:A:114:ILE:HG21	1	1.44
(1,559)	1:A:115:SER:HA	1:A:114:ILE:HG23	1	1.44
(1,535)	1:A:150:PRO:HA	1:A:116:GLU:HG3	5	1.44
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD1	7	1.44
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD2	7	1.44
(1,2883)	2:C:13:VAL:HG12	2:C:41:SER:HB3	7	1.44
(1,2883)	2:C:13:VAL:HG11	2:C:41:SER:HB3	7	1.44
(1,2883)	2:C:13:VAL:HG13	2:C:41:SER:HB3	7	1.44
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG12	1	1.44
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG11	1	1.44
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG13	1	1.44
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG12	1	1.44
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG11	1	1.44
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG13	1	1.44
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG12	1	1.44
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG11	1	1.44
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG13	1	1.44
(1,3889)	2:C:18:SER:HB3	2:C:22:LYS:HD3	7	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3889)	2:C:18:SER:HB3	2:C:22:LYS:HG2	7	1.43
(1,2616)	2:B:51:VAL:HG22	2:B:46:PHE:HZ	6	1.43
(1,2616)	2:B:51:VAL:HG21	2:B:46:PHE:HZ	6	1.43
(1,2616)	2:B:51:VAL:HG23	2:B:46:PHE:HZ	6	1.43
(1,162)	1:A:78:LEU:HD22	1:A:92:PHE:HZ	2	1.43
(1,162)	1:A:78:LEU:HD21	1:A:92:PHE:HZ	2	1.43
(1,162)	1:A:78:LEU:HD23	1:A:92:PHE:HZ	2	1.43
(1,117)	1:A:125:VAL:HG22	1:A:126:LEU:H	1	1.43
(1,117)	1:A:125:VAL:HG21	1:A:126:LEU:H	1	1.43
(1,117)	1:A:125:VAL:HG23	1:A:126:LEU:H	1	1.43
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG12	10	1.42
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG11	10	1.42
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG13	10	1.42
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG12	10	1.42
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG11	10	1.42
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG13	10	1.42
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG12	10	1.42
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG11	10	1.42
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG13	10	1.42
(1,2617)	2:C:51:VAL:HG22	2:C:46:PHE:HZ	10	1.42
(1,2617)	2:C:51:VAL:HG21	2:C:46:PHE:HZ	10	1.42
(1,2617)	2:C:51:VAL:HG23	2:C:46:PHE:HZ	10	1.42
(1,52)	1:A:81:ILE:HD12	1:A:81:ILE:H	5	1.41
(1,52)	1:A:81:ILE:HD11	1:A:81:ILE:H	5	1.41
(1,52)	1:A:81:ILE:HD13	1:A:81:ILE:H	5	1.41
(1,48)	1:A:88:ILE:HD12	1:A:90:HIS:HE1	10	1.41
(1,48)	1:A:88:ILE:HD11	1:A:90:HIS:HE1	10	1.41
(1,48)	1:A:88:ILE:HD13	1:A:90:HIS:HE1	10	1.41
(1,474)	1:A:105:LEU:HA	1:A:108:GLU:HG3	6	1.41
(1,2063)	2:C:55:LEU:HD22	2:C:14:ASN:HB2	10	1.41
(1,2063)	2:C:55:LEU:HD21	2:C:14:ASN:HB2	10	1.41
(1,2063)	2:C:55:LEU:HD23	2:C:14:ASN:HB2	10	1.41
(1,834)	1:A:85:LYS:HE3	1:A:82:GLN:HA	8	1.4
(1,48)	1:A:88:ILE:HD12	1:A:90:HIS:HE1	3	1.4
(1,48)	1:A:88:ILE:HD11	1:A:90:HIS:HE1	3	1.4
(1,48)	1:A:88:ILE:HD13	1:A:90:HIS:HE1	3	1.4
(1,2553)	2:C:35:VAL:HG12	2:C:37:MET:HB3	2	1.4
(1,2553)	2:C:35:VAL:HG11	2:C:37:MET:HB3	2	1.4
(1,2553)	2:C:35:VAL:HG13	2:C:37:MET:HB3	2	1.4
(1,1557)	1:A:81:ILE:HA	1:A:79:LYS:HD3	4	1.4
(1,1557)	1:A:81:ILE:HA	1:A:85:LYS:HD3	4	1.4
(1,700)	1:A:79:LYS:HE3	1:A:81:ILE:HA	3	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3182)	2:B:12:ILE:HD12	2:B:9:ALA:H	5	1.38
(1,3182)	2:B:12:ILE:HD11	2:B:9:ALA:H	5	1.38
(1,3182)	2:B:12:ILE:HD13	2:B:9:ALA:H	5	1.38
(1,1123)	1:A:87:SER:H	1:A:79:LYS:HD3	9	1.38
(1,3325)	2:C:27:GLU:HG3	2:C:27:GLU:H	3	1.37
(1,2799)	2:C:48:ARG:HA	2:C:51:VAL:HG12	9	1.37
(1,2799)	2:C:48:ARG:HA	2:C:51:VAL:HG11	9	1.37
(1,2799)	2:C:48:ARG:HA	2:C:51:VAL:HG13	9	1.37
(1,2617)	2:C:51:VAL:HG22	2:C:46:PHE:HZ	7	1.37
(1,2617)	2:C:51:VAL:HG21	2:C:46:PHE:HZ	7	1.37
(1,2617)	2:C:51:VAL:HG23	2:C:46:PHE:HZ	7	1.37
(1,176)	1:A:132:LEU:HD22	1:A:96:ASP:HB2	2	1.37
(1,176)	1:A:132:LEU:HD21	1:A:96:ASP:HB2	2	1.37
(1,176)	1:A:132:LEU:HD23	1:A:96:ASP:HB2	2	1.37
(1,1448)	1:A:78:LEU:HD12	1:A:90:HIS:HE1	3	1.37
(1,1448)	1:A:78:LEU:HD11	1:A:90:HIS:HE1	3	1.37
(1,1448)	1:A:78:LEU:HD13	1:A:90:HIS:HE1	3	1.37
(1,1448)	1:A:78:LEU:HD12	1:A:104:HIS:HE1	3	1.37
(1,1448)	1:A:78:LEU:HD11	1:A:104:HIS:HE1	3	1.37
(1,1448)	1:A:78:LEU:HD13	1:A:104:HIS:HE1	3	1.37
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD12	3	1.37
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD11	3	1.37
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD13	3	1.37
(1,25)	1:A:144:ILE:HD12	1:A:120:LEU:H	6	1.36
(1,25)	1:A:144:ILE:HD11	1:A:120:LEU:H	6	1.36
(1,25)	1:A:144:ILE:HD13	1:A:120:LEU:H	6	1.36
(1,2299)	2:C:19:ILE:HA	2:C:22:LYS:HD3	9	1.36
(1,2062)	2:B:55:LEU:HD22	2:B:14:ASN:HB2	1	1.36
(1,2062)	2:B:55:LEU:HD21	2:B:14:ASN:HB2	1	1.36
(1,2062)	2:B:55:LEU:HD23	2:B:14:ASN:HB2	1	1.36
(1,898)	1:A:85:LYS:HB3	1:A:86:PHE:H	7	1.35
(1,834)	1:A:85:LYS:HE3	1:A:82:GLN:HA	5	1.35
(1,2614)	2:B:13:VAL:HG12	2:B:48:ARG:HG2	5	1.35
(1,2614)	2:B:13:VAL:HG11	2:B:48:ARG:HG2	5	1.35
(1,2614)	2:B:13:VAL:HG13	2:B:48:ARG:HG2	5	1.35
(1,2063)	2:C:55:LEU:HD22	2:C:14:ASN:HB2	4	1.35
(1,2063)	2:C:55:LEU:HD21	2:C:14:ASN:HB2	4	1.35
(1,2063)	2:C:55:LEU:HD23	2:C:14:ASN:HB2	4	1.35
(1,1557)	1:A:81:ILE:HA	1:A:79:LYS:HD3	10	1.35
(1,1557)	1:A:81:ILE:HA	1:A:85:LYS:HD3	10	1.35
(1,1810)	1:A:99:LEU:HG	1:A:103:GLN:HE21	8	1.34
(1,1810)	1:A:103:GLN:HE21	1:A:114:ILE:HG13	8	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1629)	1:A:105:LEU:HD12	1:A:90:HIS:HE1	6	1.34
(1,1629)	1:A:105:LEU:HD11	1:A:90:HIS:HE1	6	1.34
(1,1629)	1:A:105:LEU:HD13	1:A:90:HIS:HE1	6	1.34
(1,1629)	1:A:105:LEU:HD12	1:A:104:HIS:HE1	6	1.34
(1,1629)	1:A:105:LEU:HD11	1:A:104:HIS:HE1	6	1.34
(1,1629)	1:A:105:LEU:HD13	1:A:104:HIS:HE1	6	1.34
(1,157)	1:A:99:LEU:HD22	1:A:103:GLN:HE22	9	1.34
(1,157)	1:A:99:LEU:HD21	1:A:103:GLN:HE22	9	1.34
(1,157)	1:A:99:LEU:HD23	1:A:103:GLN:HE22	9	1.34
(1,73)	1:A:88:ILE:HG22	1:A:90:HIS:HE1	8	1.33
(1,73)	1:A:88:ILE:HG21	1:A:90:HIS:HE1	8	1.33
(1,73)	1:A:88:ILE:HG23	1:A:90:HIS:HE1	8	1.33
(1,728)	1:A:99:LEU:HG	1:A:103:GLN:HE22	5	1.33
(1,702)	1:A:122:LYS:HE3	1:A:122:LYS:H	4	1.33
(1,57)	1:A:81:ILE:HD12	1:A:145:THR:HB	9	1.33
(1,57)	1:A:81:ILE:HD11	1:A:145:THR:HB	9	1.33
(1,57)	1:A:81:ILE:HD13	1:A:145:THR:HB	9	1.33
(1,3221)	2:C:34:ASN:HA	2:C:17:SER:H	4	1.33
(1,2616)	2:B:51:VAL:HG22	2:B:46:PHE:HZ	1	1.33
(1,2616)	2:B:51:VAL:HG21	2:B:46:PHE:HZ	1	1.33
(1,2616)	2:B:51:VAL:HG23	2:B:46:PHE:HZ	1	1.33
(1,157)	1:A:99:LEU:HD22	1:A:103:GLN:HE22	1	1.33
(1,157)	1:A:99:LEU:HD21	1:A:103:GLN:HE22	1	1.33
(1,157)	1:A:99:LEU:HD23	1:A:103:GLN:HE22	1	1.33
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD12	8	1.33
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD11	8	1.33
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD13	8	1.33
(1,662)	1:A:119:LEU:HA	1:A:119:LEU:HD12	5	1.32
(1,662)	1:A:119:LEU:HA	1:A:119:LEU:HD11	5	1.32
(1,662)	1:A:119:LEU:HA	1:A:119:LEU:HD13	5	1.32
(1,56)	1:A:114:ILE:HD12	1:A:103:GLN:HE21	9	1.32
(1,56)	1:A:114:ILE:HD11	1:A:103:GLN:HE21	9	1.32
(1,56)	1:A:114:ILE:HD13	1:A:103:GLN:HE21	9	1.32
(1,52)	1:A:81:ILE:HD12	1:A:81:ILE:H	1	1.32
(1,52)	1:A:81:ILE:HD11	1:A:81:ILE:H	1	1.32
(1,52)	1:A:81:ILE:HD13	1:A:81:ILE:H	1	1.32
(1,1629)	1:A:105:LEU:HD12	1:A:90:HIS:HE1	9	1.32
(1,1629)	1:A:105:LEU:HD11	1:A:90:HIS:HE1	9	1.32
(1,1629)	1:A:105:LEU:HD13	1:A:90:HIS:HE1	9	1.32
(1,1629)	1:A:105:LEU:HD12	1:A:104:HIS:HE1	9	1.32
(1,1629)	1:A:105:LEU:HD11	1:A:104:HIS:HE1	9	1.32
(1,1629)	1:A:105:LEU:HD13	1:A:104:HIS:HE1	9	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1338)	1:A:99:LEU:HD12	1:A:103:GLN:HE21	5	1.32
(1,1338)	1:A:99:LEU:HD11	1:A:103:GLN:HE21	5	1.32
(1,1338)	1:A:99:LEU:HD13	1:A:103:GLN:HE21	5	1.32
(1,1295)	1:A:129:ASN:H	1:A:97:THR:HB	6	1.32
(1,790)	1:A:126:LEU:HG	1:A:124:LYS:HE3	4	1.31
(1,786)	1:A:126:LEU:HD12	1:A:124:LYS:HD3	8	1.31
(1,786)	1:A:126:LEU:HD11	1:A:124:LYS:HD3	8	1.31
(1,786)	1:A:126:LEU:HD13	1:A:124:LYS:HD3	8	1.31
(1,709)	1:A:122:LYS:HE3	1:A:141:ASN:HA	9	1.31
(1,52)	1:A:81:ILE:HD12	1:A:81:ILE:H	10	1.31
(1,52)	1:A:81:ILE:HD11	1:A:81:ILE:H	10	1.31
(1,52)	1:A:81:ILE:HD13	1:A:81:ILE:H	10	1.31
(1,2594)	2:B:57:LYS:HB3	2:C:68:ILE:HG13	2	1.31
(1,1448)	1:A:78:LEU:HD12	1:A:90:HIS:HE1	9	1.31
(1,1448)	1:A:78:LEU:HD11	1:A:90:HIS:HE1	9	1.31
(1,1448)	1:A:78:LEU:HD13	1:A:90:HIS:HE1	9	1.31
(1,1448)	1:A:78:LEU:HD12	1:A:104:HIS:HE1	9	1.31
(1,1448)	1:A:78:LEU:HD11	1:A:104:HIS:HE1	9	1.31
(1,1448)	1:A:78:LEU:HD13	1:A:104:HIS:HE1	9	1.31
(1,571)	1:A:93:SER:HB3	1:A:96:ASP:HB3	10	1.3
(1,3443)	2:C:51:VAL:HA	2:C:54:ILE:H	9	1.3
(1,3149)	2:C:5:LYS:HG3	2:C:6:GLU:H	10	1.3
(1,2088)	2:B:8:ILE:HD12	2:C:19:ILE:HG12	4	1.3
(1,2088)	2:B:8:ILE:HD11	2:C:19:ILE:HG12	4	1.3
(1,2088)	2:B:8:ILE:HD13	2:C:19:ILE:HG12	4	1.3
(1,898)	1:A:85:LYS:HB3	1:A:86:PHE:H	2	1.29
(1,735)	1:A:79:LYS:HD3	1:A:79:LYS:HA	3	1.29
(1,705)	1:A:122:LYS:HE3	1:A:122:LYS:HB3	3	1.29
(1,57)	1:A:81:ILE:HD12	1:A:145:THR:HB	7	1.29
(1,57)	1:A:81:ILE:HD11	1:A:145:THR:HB	7	1.29
(1,57)	1:A:81:ILE:HD13	1:A:145:THR:HB	7	1.29
(1,2616)	2:B:51:VAL:HG22	2:B:46:PHE:HZ	10	1.29
(1,2616)	2:B:51:VAL:HG21	2:B:46:PHE:HZ	10	1.29
(1,2616)	2:B:51:VAL:HG23	2:B:46:PHE:HZ	10	1.29
(1,1448)	1:A:78:LEU:HD12	1:A:90:HIS:HE1	6	1.29
(1,1448)	1:A:78:LEU:HD11	1:A:90:HIS:HE1	6	1.29
(1,1448)	1:A:78:LEU:HD13	1:A:90:HIS:HE1	6	1.29
(1,1448)	1:A:78:LEU:HD12	1:A:104:HIS:HE1	6	1.29
(1,1448)	1:A:78:LEU:HD11	1:A:104:HIS:HE1	6	1.29
(1,1448)	1:A:78:LEU:HD13	1:A:104:HIS:HE1	6	1.29
(1,1353)	1:A:121:LEU:HD12	1:A:141:ASN:HD21	1	1.29
(1,1353)	1:A:121:LEU:HD11	1:A:141:ASN:HD21	1	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1353)	1:A:121:LEU:HD13	1:A:141:ASN:HD21	1	1.29
(1,571)	1:A:93:SER:HB3	1:A:96:ASP:HB3	1	1.28
(1,52)	1:A:81:ILE:HD12	1:A:81:ILE:H	7	1.28
(1,52)	1:A:81:ILE:HD11	1:A:81:ILE:H	7	1.28
(1,52)	1:A:81:ILE:HD13	1:A:81:ILE:H	7	1.28
(1,2786)	2:B:20:VAL:HG12	2:B:34:ASN:HD22	6	1.28
(1,2786)	2:B:20:VAL:HG11	2:B:34:ASN:HD22	6	1.28
(1,2786)	2:B:20:VAL:HG13	2:B:34:ASN:HD22	6	1.28
(1,2698)	2:B:54:ILE:HG22	2:B:6:GLU:HG3	6	1.28
(1,2698)	2:B:54:ILE:HG21	2:B:6:GLU:HG3	6	1.28
(1,2698)	2:B:54:ILE:HG23	2:B:6:GLU:HG3	6	1.28
(1,2553)	2:C:35:VAL:HG12	2:C:37:MET:HB3	6	1.28
(1,2553)	2:C:35:VAL:HG11	2:C:37:MET:HB3	6	1.28
(1,2553)	2:C:35:VAL:HG13	2:C:37:MET:HB3	6	1.28
(1,2038)	2:B:5:LYS:HB3	2:B:44:PHE:HZ	4	1.28
(1,162)	1:A:78:LEU:HD22	1:A:92:PHE:HZ	5	1.28
(1,162)	1:A:78:LEU:HD21	1:A:92:PHE:HZ	5	1.28
(1,162)	1:A:78:LEU:HD23	1:A:92:PHE:HZ	5	1.28
(1,704)	1:A:122:LYS:HE3	1:A:141:ASN:HD21	9	1.27
(1,2639)	2:C:35:VAL:HG22	2:C:37:MET:HB3	2	1.27
(1,2639)	2:C:35:VAL:HG21	2:C:37:MET:HB3	2	1.27
(1,2639)	2:C:35:VAL:HG23	2:C:37:MET:HB3	2	1.27
(1,2617)	2:C:51:VAL:HG22	2:C:46:PHE:HZ	3	1.27
(1,2617)	2:C:51:VAL:HG21	2:C:46:PHE:HZ	3	1.27
(1,2617)	2:C:51:VAL:HG23	2:C:46:PHE:HZ	3	1.27
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD12	7	1.27
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD11	7	1.27
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD13	7	1.27
(1,736)	1:A:114:ILE:HG12	1:A:102:LYS:HB3	9	1.26
(1,2883)	2:C:13:VAL:HG12	2:C:41:SER:HB3	3	1.26
(1,2883)	2:C:13:VAL:HG11	2:C:41:SER:HB3	3	1.26
(1,2883)	2:C:13:VAL:HG13	2:C:41:SER:HB3	3	1.26
(1,898)	1:A:85:LYS:HB3	1:A:86:PHE:H	1	1.25
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG22	2	1.25
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG21	2	1.25
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG23	2	1.25
(1,52)	1:A:81:ILE:HD12	1:A:81:ILE:H	8	1.25
(1,52)	1:A:81:ILE:HD11	1:A:81:ILE:H	8	1.25
(1,52)	1:A:81:ILE:HD13	1:A:81:ILE:H	8	1.25
(1,3888)	2:B:18:SER:HB3	2:B:22:LYS:HD3	1	1.25
(1,3888)	2:B:18:SER:HB3	2:B:22:LYS:HG2	1	1.25
(1,2616)	2:B:51:VAL:HG22	2:B:46:PHE:HZ	3	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2616)	2:B:51:VAL:HG21	2:B:46:PHE:HZ	3	1.25
(1,2616)	2:B:51:VAL:HG23	2:B:46:PHE:HZ	3	1.25
(1,2063)	2:C:55:LEU:HD22	2:C:14:ASN:HB2	5	1.25
(1,2063)	2:C:55:LEU:HD21	2:C:14:ASN:HB2	5	1.25
(1,2063)	2:C:55:LEU:HD23	2:C:14:ASN:HB2	5	1.25
(1,1295)	1:A:129:ASN:H	1:A:97:THR:HB	8	1.25
(1,52)	1:A:81:ILE:HD12	1:A:81:ILE:H	9	1.24
(1,52)	1:A:81:ILE:HD11	1:A:81:ILE:H	9	1.24
(1,52)	1:A:81:ILE:HD13	1:A:81:ILE:H	9	1.24
(1,3101)	2:C:23:LYS:HG3	2:C:23:LYS:H	7	1.24
(1,2088)	2:B:8:ILE:HD12	2:C:19:ILE:HG12	10	1.24
(1,2088)	2:B:8:ILE:HD11	2:C:19:ILE:HG12	10	1.24
(1,2088)	2:B:8:ILE:HD13	2:C:19:ILE:HG12	10	1.24
(1,1629)	1:A:105:LEU:HD12	1:A:90:HIS:HE1	4	1.24
(1,1629)	1:A:105:LEU:HD11	1:A:90:HIS:HE1	4	1.24
(1,1629)	1:A:105:LEU:HD13	1:A:90:HIS:HE1	4	1.24
(1,1629)	1:A:105:LEU:HD12	1:A:104:HIS:HE1	4	1.24
(1,1629)	1:A:105:LEU:HD11	1:A:104:HIS:HE1	4	1.24
(1,1629)	1:A:105:LEU:HD13	1:A:104:HIS:HE1	4	1.24
(1,1356)	1:A:151:ASN:HA	1:A:151:ASN:HD22	1	1.24
(1,1353)	1:A:121:LEU:HD12	1:A:141:ASN:HD21	6	1.24
(1,1353)	1:A:121:LEU:HD11	1:A:141:ASN:HD21	6	1.24
(1,1353)	1:A:121:LEU:HD13	1:A:141:ASN:HD21	6	1.24
(1,804)	1:A:121:LEU:HD22	1:A:141:ASN:HD21	6	1.23
(1,804)	1:A:121:LEU:HD21	1:A:141:ASN:HD21	6	1.23
(1,804)	1:A:121:LEU:HD23	1:A:141:ASN:HD21	6	1.23
(1,735)	1:A:79:LYS:HD3	1:A:79:LYS:HA	9	1.23
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG22	3	1.23
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG21	3	1.23
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG23	3	1.23
(1,571)	1:A:93:SER:HB3	1:A:96:ASP:HB3	6	1.23
(1,48)	1:A:88:ILE:HD12	1:A:90:HIS:HE1	8	1.23
(1,48)	1:A:88:ILE:HD11	1:A:90:HIS:HE1	8	1.23
(1,48)	1:A:88:ILE:HD13	1:A:90:HIS:HE1	8	1.23
(1,3325)	2:C:27:GLU:HG3	2:C:27:GLU:H	10	1.23
(1,2552)	2:B:35:VAL:HG12	2:B:37:MET:HB3	4	1.23
(1,2552)	2:B:35:VAL:HG11	2:B:37:MET:HB3	4	1.23
(1,2552)	2:B:35:VAL:HG13	2:B:37:MET:HB3	4	1.23
(1,2211)	2:C:22:LYS:HA	2:C:24:GLU:HB2	1	1.23
(1,795)	1:A:80:LYS:HE3	1:A:86:PHE:HZ	10	1.22
(1,736)	1:A:114:ILE:HG12	1:A:102:LYS:HB3	5	1.22
(1,702)	1:A:122:LYS:HE3	1:A:122:LYS:H	1	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:A:93:SER:HB3	1:A:96:ASP:HB3	2	1.22
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB2	7	1.22
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB3	7	1.22
(1,4081)	2:C:13:VAL:H	2:C:41:SER:HA	7	1.22
(1,3101)	2:C:23:LYS:HG3	2:C:23:LYS:H	2	1.22
(1,3100)	2:B:23:LYS:HG3	2:B:23:LYS:H	7	1.22
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG12	9	1.22
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG11	9	1.22
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG13	9	1.22
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG12	9	1.22
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG11	9	1.22
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG13	9	1.22
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG12	9	1.22
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG11	9	1.22
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG13	9	1.22
(1,2629)	2:C:37:MET:HB3	2:C:17:SER:HB3	7	1.22
(1,186)	1:A:120:LEU:HD22	1:A:120:LEU:H	1	1.22
(1,186)	1:A:120:LEU:HD21	1:A:120:LEU:H	1	1.22
(1,186)	1:A:120:LEU:HD23	1:A:120:LEU:H	1	1.22
(1,1123)	1:A:87:SER:H	1:A:79:LYS:HD3	4	1.22
(1,1021)	1:A:103:GLN:HG3	1:A:103:GLN:H	3	1.22
(1,56)	1:A:114:ILE:HD12	1:A:103:GLN:HE21	1	1.21
(1,56)	1:A:114:ILE:HD11	1:A:103:GLN:HE21	1	1.21
(1,56)	1:A:114:ILE:HD13	1:A:103:GLN:HE21	1	1.21
(1,3151)	2:C:5:LYS:HG2	2:C:6:GLU:H	10	1.21
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG12	4	1.21
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG11	4	1.21
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG13	4	1.21
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG12	4	1.21
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG11	4	1.21
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG13	4	1.21
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG12	4	1.21
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG11	4	1.21
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG13	4	1.21
(1,2544)	2:B:51:VAL:HG12	2:B:55:LEU:HG	1	1.21
(1,2544)	2:B:51:VAL:HG11	2:B:55:LEU:HG	1	1.21
(1,2544)	2:B:51:VAL:HG13	2:B:55:LEU:HG	1	1.21
(1,176)	1:A:132:LEU:HD22	1:A:96:ASP:HB2	5	1.21
(1,176)	1:A:132:LEU:HD21	1:A:96:ASP:HB2	5	1.21
(1,176)	1:A:132:LEU:HD23	1:A:96:ASP:HB2	5	1.21
(1,157)	1:A:99:LEU:HD22	1:A:103:GLN:HE22	6	1.21
(1,157)	1:A:99:LEU:HD21	1:A:103:GLN:HE22	6	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:A:99:LEU:HD23	1:A:103:GLN:HE22	6	1.21
(1,2617)	2:C:51:VAL:HG22	2:C:46:PHE:HZ	4	1.2
(1,2617)	2:C:51:VAL:HG21	2:C:46:PHE:HZ	4	1.2
(1,2617)	2:C:51:VAL:HG23	2:C:46:PHE:HZ	4	1.2
(1,1399)	1:A:80:LYS:HE3	1:A:148:ILE:H	9	1.2
(1,135)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	7	1.2
(1,135)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	7	1.2
(1,135)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	7	1.2
(1,135)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	9	1.2
(1,135)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	9	1.2
(1,135)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	9	1.2
(1,1021)	1:A:103:GLN:HG3	1:A:103:GLN:H	8	1.2
(1,571)	1:A:93:SER:HB3	1:A:96:ASP:HB3	8	1.19
(1,501)	1:A:81:ILE:HA	1:A:85:LYS:HE3	2	1.19
(1,3259)	2:C:22:LYS:HG3	2:C:22:LYS:H	7	1.19
(1,3101)	2:C:23:LYS:HG3	2:C:23:LYS:H	6	1.19
(1,2757)	2:C:7:GLU:HA	2:C:55:LEU:HD22	9	1.19
(1,2757)	2:C:7:GLU:HA	2:C:55:LEU:HD21	9	1.19
(1,2757)	2:C:7:GLU:HA	2:C:55:LEU:HD23	9	1.19
(1,2693)	2:C:50:ALA:HB2	2:C:47:GLU:HB2	4	1.19
(1,2693)	2:C:50:ALA:HB1	2:C:47:GLU:HB2	4	1.19
(1,2693)	2:C:50:ALA:HB3	2:C:47:GLU:HB2	4	1.19
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG12	8	1.19
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG11	8	1.19
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG13	8	1.19
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG12	8	1.19
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG11	8	1.19
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG13	8	1.19
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG12	8	1.19
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG11	8	1.19
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG13	8	1.19
(1,735)	1:A:79:LYS:HD3	1:A:79:LYS:HA	8	1.18
(1,720)	1:A:148:ILE:HD12	1:A:86:PHE:HZ	9	1.18
(1,720)	1:A:148:ILE:HD11	1:A:86:PHE:HZ	9	1.18
(1,720)	1:A:148:ILE:HD13	1:A:86:PHE:HZ	9	1.18
(1,53)	1:A:114:ILE:HD12	1:A:103:GLN:H	1	1.18
(1,53)	1:A:114:ILE:HD11	1:A:103:GLN:H	1	1.18
(1,53)	1:A:114:ILE:HD13	1:A:103:GLN:H	1	1.18
(1,3100)	2:B:23:LYS:HG3	2:B:23:LYS:H	8	1.18
(1,735)	1:A:79:LYS:HD3	1:A:79:LYS:HA	2	1.17
(1,735)	1:A:79:LYS:HD3	1:A:79:LYS:HA	10	1.17
(1,655)	1:A:81:ILE:HG12	1:A:145:THR:HA	2	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:A:81:ILE:HD12	1:A:81:ILE:H	6	1.17
(1,52)	1:A:81:ILE:HD11	1:A:81:ILE:H	6	1.17
(1,52)	1:A:81:ILE:HD13	1:A:81:ILE:H	6	1.17
(1,2553)	2:C:35:VAL:HG12	2:C:37:MET:HB3	4	1.17
(1,2553)	2:C:35:VAL:HG11	2:C:37:MET:HB3	4	1.17
(1,2553)	2:C:35:VAL:HG13	2:C:37:MET:HB3	4	1.17
(1,1041)	1:A:108:GLU:HG3	1:A:108:GLU:H	6	1.17
(1,94)	1:A:74:VAL:HG12	1:A:94:PRO:HA	6	1.16
(1,94)	1:A:74:VAL:HG11	1:A:94:PRO:HA	6	1.16
(1,94)	1:A:74:VAL:HG13	1:A:94:PRO:HA	6	1.16
(1,725)	1:A:148:ILE:HD12	1:A:80:LYS:HD3	9	1.16
(1,725)	1:A:148:ILE:HD11	1:A:80:LYS:HD3	9	1.16
(1,725)	1:A:148:ILE:HD13	1:A:80:LYS:HD3	9	1.16
(1,2630)	2:B:51:VAL:HB	2:B:55:LEU:HG	1	1.16
(1,460)	1:A:126:LEU:HD12	1:A:120:LEU:HA	2	1.15
(1,460)	1:A:126:LEU:HD11	1:A:120:LEU:HA	2	1.15
(1,460)	1:A:126:LEU:HD13	1:A:120:LEU:HA	2	1.15
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG22	9	1.15
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG21	9	1.15
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG23	9	1.15
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG22	9	1.15
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG21	9	1.15
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG23	9	1.15
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG22	9	1.15
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG21	9	1.15
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG23	9	1.15
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG22	9	1.15
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG21	9	1.15
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG23	9	1.15
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG22	9	1.15
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG21	9	1.15
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG23	9	1.15
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG22	9	1.15
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG21	9	1.15
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG23	9	1.15
(1,3100)	2:B:23:LYS:HG3	2:B:23:LYS:H	2	1.15
(1,2891)	2:C:21:GLU:HA	2:C:23:LYS:HE3	5	1.15
(1,2250)	2:B:11:LEU:HA	2:B:55:LEU:HB3	6	1.15
(1,2055)	2:C:55:LEU:HG	2:C:55:LEU:H	9	1.15
(1,1557)	1:A:81:ILE:HA	1:A:79:LYS:HD3	3	1.15
(1,1557)	1:A:81:ILE:HA	1:A:85:LYS:HD3	3	1.15
(1,1123)	1:A:87:SER:H	1:A:79:LYS:HD3	2	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:A:99:LEU:HG	1:A:103:GLN:HE21	8	1.14
(1,3101)	2:C:23:LYS:HG3	2:C:23:LYS:H	8	1.14
(1,3100)	2:B:23:LYS:HG3	2:B:23:LYS:H	3	1.14
(1,2698)	2:B:54:ILE:HG22	2:B:6:GLU:HG3	10	1.14
(1,2698)	2:B:54:ILE:HG21	2:B:6:GLU:HG3	10	1.14
(1,2698)	2:B:54:ILE:HG23	2:B:6:GLU:HG3	10	1.14
(1,2534)	2:B:36:ALA:HB2	2:C:40:ILE:HG13	4	1.14
(1,2534)	2:B:36:ALA:HB1	2:C:40:ILE:HG13	4	1.14
(1,2534)	2:B:36:ALA:HB3	2:C:40:ILE:HG13	4	1.14
(1,2088)	2:B:8:ILE:HD12	2:C:19:ILE:HG12	9	1.14
(1,2088)	2:B:8:ILE:HD11	2:C:19:ILE:HG12	9	1.14
(1,2088)	2:B:8:ILE:HD13	2:C:19:ILE:HG12	9	1.14
(1,1629)	1:A:105:LEU:HD12	1:A:90:HIS:HE1	10	1.14
(1,1629)	1:A:105:LEU:HD11	1:A:90:HIS:HE1	10	1.14
(1,1629)	1:A:105:LEU:HD13	1:A:90:HIS:HE1	10	1.14
(1,1629)	1:A:105:LEU:HD12	1:A:104:HIS:HE1	10	1.14
(1,1629)	1:A:105:LEU:HD11	1:A:104:HIS:HE1	10	1.14
(1,1629)	1:A:105:LEU:HD13	1:A:104:HIS:HE1	10	1.14
(1,1593)	1:A:142:SER:HB2	1:A:74:VAL:HB	9	1.14
(1,1593)	1:A:142:SER:HB2	1:A:137:VAL:HB	9	1.14
(1,1356)	1:A:151:ASN:HA	1:A:151:ASN:HD22	5	1.14
(1,702)	1:A:122:LYS:HE3	1:A:122:LYS:H	6	1.13
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG22	4	1.13
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG21	4	1.13
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG23	4	1.13
(1,2617)	2:C:51:VAL:HG22	2:C:46:PHE:HZ	6	1.13
(1,2617)	2:C:51:VAL:HG21	2:C:46:PHE:HZ	6	1.13
(1,2617)	2:C:51:VAL:HG23	2:C:46:PHE:HZ	6	1.13
(1,1021)	1:A:103:GLN:HG3	1:A:103:GLN:H	4	1.13
(1,1021)	1:A:103:GLN:HG3	1:A:103:GLN:H	10	1.13
(1,804)	1:A:121:LEU:HD22	1:A:141:ASN:HD21	1	1.12
(1,804)	1:A:121:LEU:HD21	1:A:141:ASN:HD21	1	1.12
(1,804)	1:A:121:LEU:HD23	1:A:141:ASN:HD21	1	1.12
(1,8)	1:A:120:LEU:HD12	1:A:147:MET:HG3	9	1.12
(1,8)	1:A:120:LEU:HD11	1:A:147:MET:HG3	9	1.12
(1,8)	1:A:120:LEU:HD13	1:A:147:MET:HG3	9	1.12
(1,571)	1:A:93:SER:HB3	1:A:96:ASP:HB3	5	1.12
(1,3100)	2:B:23:LYS:HG3	2:B:23:LYS:H	6	1.12
(1,2617)	2:C:51:VAL:HG22	2:C:46:PHE:HZ	5	1.12
(1,2617)	2:C:51:VAL:HG21	2:C:46:PHE:HZ	5	1.12
(1,2617)	2:C:51:VAL:HG23	2:C:46:PHE:HZ	5	1.12
(1,2616)	2:B:51:VAL:HG22	2:B:46:PHE:HZ	5	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2616)	2:B:51:VAL:HG21	2:B:46:PHE:HZ	5	1.12
(1,2616)	2:B:51:VAL:HG23	2:B:46:PHE:HZ	5	1.12
(1,2544)	2:B:51:VAL:HG12	2:B:55:LEU:HG	4	1.12
(1,2544)	2:B:51:VAL:HG11	2:B:55:LEU:HG	4	1.12
(1,2544)	2:B:51:VAL:HG13	2:B:55:LEU:HG	4	1.12
(1,2159)	2:C:13:VAL:HG22	2:C:48:ARG:HD3	10	1.12
(1,2159)	2:C:13:VAL:HG21	2:C:48:ARG:HD3	10	1.12
(1,2159)	2:C:13:VAL:HG23	2:C:48:ARG:HD3	10	1.12
(1,2089)	2:C:8:ILE:HD12	2:B:19:ILE:HG12	1	1.12
(1,2089)	2:C:8:ILE:HD11	2:B:19:ILE:HG12	1	1.12
(1,2089)	2:C:8:ILE:HD13	2:B:19:ILE:HG12	1	1.12
(1,150)	1:A:78:LEU:HD12	1:A:92:PHE:HZ	7	1.12
(1,150)	1:A:78:LEU:HD11	1:A:92:PHE:HZ	7	1.12
(1,150)	1:A:78:LEU:HD13	1:A:92:PHE:HZ	7	1.12
(1,1353)	1:A:121:LEU:HD12	1:A:141:ASN:HD21	10	1.12
(1,1353)	1:A:121:LEU:HD11	1:A:141:ASN:HD21	10	1.12
(1,1353)	1:A:121:LEU:HD13	1:A:141:ASN:HD21	10	1.12
(1,898)	1:A:85:LYS:HB3	1:A:86:PHE:H	6	1.11
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD22	5	1.11
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD21	5	1.11
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD23	5	1.11
(1,736)	1:A:114:ILE:HG12	1:A:102:LYS:HB3	6	1.11
(1,732)	1:A:81:ILE:HA	1:A:79:LYS:HD3	5	1.11
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG22	6	1.11
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG21	6	1.11
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG23	6	1.11
(1,3101)	2:C:23:LYS:HG3	2:C:23:LYS:H	3	1.11
(1,2158)	2:B:13:VAL:HG22	2:B:48:ARG:HD3	6	1.11
(1,2158)	2:B:13:VAL:HG21	2:B:48:ARG:HD3	6	1.11
(1,2158)	2:B:13:VAL:HG23	2:B:48:ARG:HD3	6	1.11
(1,1172)	1:A:85:LYS:HE3	1:A:83:ALA:H	5	1.11
(1,1158)	1:A:150:PRO:HB3	1:A:152:LEU:H	2	1.11
(1,1021)	1:A:103:GLN:HG3	1:A:103:GLN:H	6	1.11
(1,697)	1:A:79:LYS:HE3	1:A:79:LYS:HG3	6	1.1
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD1	3	1.1
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD2	3	1.1
(1,3221)	2:C:34:ASN:HA	2:C:17:SER:H	1	1.1
(1,2883)	2:C:13:VAL:HG12	2:C:41:SER:HB3	6	1.1
(1,2883)	2:C:13:VAL:HG11	2:C:41:SER:HB3	6	1.1
(1,2883)	2:C:13:VAL:HG13	2:C:41:SER:HB3	6	1.1
(1,2883)	2:C:13:VAL:HG12	2:C:41:SER:HB3	8	1.1
(1,2883)	2:C:13:VAL:HG11	2:C:41:SER:HB3	8	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2883)	2:C:13:VAL:HG13	2:C:41:SER:HB3	8	1.1
(1,2721)	2:C:54:ILE:HD12	2:C:6:GLU:HG3	4	1.1
(1,2721)	2:C:54:ILE:HD11	2:C:6:GLU:HG3	4	1.1
(1,2721)	2:C:54:ILE:HD13	2:C:6:GLU:HG3	4	1.1
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG12	9	1.1
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG11	9	1.1
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG13	9	1.1
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG12	9	1.1
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG11	9	1.1
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG13	9	1.1
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG12	9	1.1
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG11	9	1.1
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG13	9	1.1
(1,2545)	2:C:51:VAL:HG12	2:C:55:LEU:HG	1	1.1
(1,2545)	2:C:51:VAL:HG11	2:C:55:LEU:HG	1	1.1
(1,2545)	2:C:51:VAL:HG13	2:C:55:LEU:HG	1	1.1
(1,229)	1:A:118:LYS:HB2	1:A:118:LYS:HE3	1	1.1
(1,2225)	2:C:7:GLU:HA	2:C:54:ILE:HG22	9	1.1
(1,2225)	2:C:7:GLU:HA	2:C:54:ILE:HG21	9	1.1
(1,2225)	2:C:7:GLU:HA	2:C:54:ILE:HG23	9	1.1
(1,2211)	2:C:22:LYS:HA	2:C:24:GLU:HB2	10	1.1
(1,2060)	2:B:55:LEU:HD22	2:B:14:ASN:H	1	1.1
(1,2060)	2:B:55:LEU:HD21	2:B:14:ASN:H	1	1.1
(1,2060)	2:B:55:LEU:HD23	2:B:14:ASN:H	1	1.1
(1,2042)	2:B:5:LYS:HD3	2:B:44:PHE:HZ	8	1.1
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD22	7	1.1
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD21	7	1.1
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD23	7	1.1
(1,1660)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	7	1.1
(1,1660)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	7	1.1
(1,1660)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	7	1.1
(1,150)	1:A:78:LEU:HD12	1:A:92:PHE:HZ	6	1.1
(1,150)	1:A:78:LEU:HD11	1:A:92:PHE:HZ	6	1.1
(1,150)	1:A:78:LEU:HD13	1:A:92:PHE:HZ	6	1.1
(1,735)	1:A:79:LYS:HD3	1:A:79:LYS:HA	5	1.09
(1,632)	1:A:114:ILE:HB	1:A:106:ILE:HD12	1	1.09
(1,632)	1:A:114:ILE:HB	1:A:106:ILE:HD11	1	1.09
(1,632)	1:A:114:ILE:HB	1:A:106:ILE:HD13	1	1.09
(1,2699)	2:C:54:ILE:HG22	2:C:6:GLU:HG3	4	1.09
(1,2699)	2:C:54:ILE:HG21	2:C:6:GLU:HG3	4	1.09
(1,2699)	2:C:54:ILE:HG23	2:C:6:GLU:HG3	4	1.09
(1,2595)	2:C:57:LYS:HB3	2:B:68:ILE:HG13	1	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2387)	2:C:51:VAL:HG12	2:C:46:PHE:HE1	9	1.09
(1,2387)	2:C:51:VAL:HG12	2:C:46:PHE:HE2	9	1.09
(1,2387)	2:C:51:VAL:HG11	2:C:46:PHE:HE1	9	1.09
(1,2387)	2:C:51:VAL:HG11	2:C:46:PHE:HE2	9	1.09
(1,2387)	2:C:51:VAL:HG13	2:C:46:PHE:HE1	9	1.09
(1,2387)	2:C:51:VAL:HG13	2:C:46:PHE:HE2	9	1.09
(1,1198)	1:A:113:HIS:H	1:A:116:GLU:HB3	6	1.09
(1,94)	1:A:74:VAL:HG12	1:A:94:PRO:HA	8	1.08
(1,94)	1:A:74:VAL:HG11	1:A:94:PRO:HA	8	1.08
(1,94)	1:A:74:VAL:HG13	1:A:94:PRO:HA	8	1.08
(1,735)	1:A:79:LYS:HD3	1:A:79:LYS:HA	1	1.08
(1,702)	1:A:122:LYS:HE3	1:A:122:LYS:H	2	1.08
(1,3572)	2:B:33:LEU:HD22	2:B:19:ILE:HB	4	1.08
(1,3572)	2:B:33:LEU:HD21	2:B:19:ILE:HB	4	1.08
(1,3572)	2:B:33:LEU:HD23	2:B:19:ILE:HB	4	1.08
(1,3572)	2:B:33:LEU:HD22	2:C:5:LYS:HB3	4	1.08
(1,3572)	2:B:33:LEU:HD21	2:C:5:LYS:HB3	4	1.08
(1,3572)	2:B:33:LEU:HD23	2:C:5:LYS:HB3	4	1.08
(1,2697)	2:C:54:ILE:HG22	2:C:51:VAL:HA	9	1.08
(1,2697)	2:C:54:ILE:HG21	2:C:51:VAL:HA	9	1.08
(1,2697)	2:C:54:ILE:HG23	2:C:51:VAL:HA	9	1.08
(1,2594)	2:B:57:LYS:HB3	2:C:68:ILE:HG13	3	1.08
(1,2250)	2:B:11:LEU:HA	2:B:55:LEU:HB3	2	1.08
(1,2250)	2:B:11:LEU:HA	2:B:55:LEU:HB3	7	1.08
(1,2063)	2:C:55:LEU:HD22	2:C:14:ASN:HB2	6	1.08
(1,2063)	2:C:55:LEU:HD21	2:C:14:ASN:HB2	6	1.08
(1,2063)	2:C:55:LEU:HD23	2:C:14:ASN:HB2	6	1.08
(1,1021)	1:A:103:GLN:HG3	1:A:103:GLN:H	2	1.08
(1,717)	1:A:120:LEU:HG	1:A:125:VAL:HA	9	1.07
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG22	4	1.07
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG21	4	1.07
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG23	4	1.07
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG22	4	1.07
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG21	4	1.07
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG23	4	1.07
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG22	4	1.07
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG21	4	1.07
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG23	4	1.07
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG22	4	1.07
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG21	4	1.07
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG23	4	1.07
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG22	4	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG21	4	1.07
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG23	4	1.07
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG22	4	1.07
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG21	4	1.07
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG23	4	1.07
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD1	9	1.07
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD2	9	1.07
(1,3183)	2:C:12:ILE:HD12	2:C:9:ALA:H	7	1.07
(1,3183)	2:C:12:ILE:HD11	2:C:9:ALA:H	7	1.07
(1,3183)	2:C:12:ILE:HD13	2:C:9:ALA:H	7	1.07
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG12	8	1.07
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG11	8	1.07
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG13	8	1.07
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG12	8	1.07
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG11	8	1.07
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG13	8	1.07
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG12	8	1.07
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG11	8	1.07
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG13	8	1.07
(1,2615)	2:C:13:VAL:HG12	2:C:48:ARG:HG2	9	1.07
(1,2615)	2:C:13:VAL:HG11	2:C:48:ARG:HG2	9	1.07
(1,2615)	2:C:13:VAL:HG13	2:C:48:ARG:HG2	9	1.07
(1,2553)	2:C:35:VAL:HG12	2:C:37:MET:HB3	3	1.07
(1,2553)	2:C:35:VAL:HG11	2:C:37:MET:HB3	3	1.07
(1,2553)	2:C:35:VAL:HG13	2:C:37:MET:HB3	3	1.07
(1,2242)	2:B:11:LEU:HA	2:B:54:ILE:HB	4	1.07
(1,1021)	1:A:103:GLN:HG3	1:A:103:GLN:H	7	1.07
(1,785)	1:A:122:LYS:HD3	1:A:121:LEU:HD12	10	1.06
(1,785)	1:A:122:LYS:HD3	1:A:121:LEU:HD11	10	1.06
(1,785)	1:A:122:LYS:HD3	1:A:121:LEU:HD13	10	1.06
(1,732)	1:A:81:ILE:HA	1:A:79:LYS:HD3	10	1.06
(1,703)	1:A:122:LYS:HE3	1:A:141:ASN:HD22	10	1.06
(1,2883)	2:C:13:VAL:HG12	2:C:41:SER:HB3	2	1.06
(1,2883)	2:C:13:VAL:HG11	2:C:41:SER:HB3	2	1.06
(1,2883)	2:C:13:VAL:HG13	2:C:41:SER:HB3	2	1.06
(1,2545)	2:C:51:VAL:HG12	2:C:55:LEU:HG	10	1.06
(1,2545)	2:C:51:VAL:HG11	2:C:55:LEU:HG	10	1.06
(1,2545)	2:C:51:VAL:HG13	2:C:55:LEU:HG	10	1.06
(1,183)	1:A:99:LEU:HD12	1:A:100:GLN:HE22	1	1.06
(1,183)	1:A:99:LEU:HD11	1:A:100:GLN:HE22	1	1.06
(1,183)	1:A:99:LEU:HD13	1:A:100:GLN:HE22	1	1.06
(1,135)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	6	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,135)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	6	1.06
(1,135)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	6	1.06
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD12	5	1.05
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD11	5	1.05
(1,708)	1:A:122:LYS:HE3	1:A:121:LEU:HD13	5	1.05
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD1	10	1.05
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD2	10	1.05
(1,2490)	2:B:54:ILE:HG22	2:B:7:GLU:HG2	2	1.05
(1,2490)	2:B:54:ILE:HG21	2:B:7:GLU:HG2	2	1.05
(1,2490)	2:B:54:ILE:HG23	2:B:7:GLU:HG2	2	1.05
(1,2299)	2:C:19:ILE:HA	2:C:22:LYS:HD3	8	1.05
(1,186)	1:A:120:LEU:HD22	1:A:120:LEU:H	9	1.05
(1,186)	1:A:120:LEU:HD21	1:A:120:LEU:H	9	1.05
(1,186)	1:A:120:LEU:HD23	1:A:120:LEU:H	9	1.05
(1,2298)	2:B:19:ILE:HA	2:B:22:LYS:HD3	3	1.04
(1,177)	1:A:132:LEU:HD22	1:A:97:THR:HA	5	1.04
(1,177)	1:A:132:LEU:HD21	1:A:97:THR:HA	5	1.04
(1,177)	1:A:132:LEU:HD23	1:A:97:THR:HA	5	1.04
(1,1448)	1:A:78:LEU:HD12	1:A:90:HIS:HE1	8	1.04
(1,1448)	1:A:78:LEU:HD11	1:A:90:HIS:HE1	8	1.04
(1,1448)	1:A:78:LEU:HD13	1:A:90:HIS:HE1	8	1.04
(1,1448)	1:A:78:LEU:HD12	1:A:104:HIS:HE1	8	1.04
(1,1448)	1:A:78:LEU:HD11	1:A:104:HIS:HE1	8	1.04
(1,1448)	1:A:78:LEU:HD13	1:A:104:HIS:HE1	8	1.04
(1,135)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	10	1.04
(1,135)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	10	1.04
(1,135)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	10	1.04
(1,3045)	2:C:47:GLU:HB2	2:C:50:ALA:H	4	1.03
(1,2882)	2:B:13:VAL:HG12	2:B:41:SER:HB3	9	1.03
(1,2882)	2:B:13:VAL:HG11	2:B:41:SER:HB3	9	1.03
(1,2882)	2:B:13:VAL:HG13	2:B:41:SER:HB3	9	1.03
(1,2309)	2:C:52:SER:HA	2:C:55:LEU:HD12	9	1.03
(1,2309)	2:C:52:SER:HA	2:C:55:LEU:HD11	9	1.03
(1,2309)	2:C:52:SER:HA	2:C:55:LEU:HD13	9	1.03
(1,229)	1:A:118:LYS:HB2	1:A:118:LYS:HE3	3	1.03
(1,2159)	2:C:13:VAL:HG22	2:C:48:ARG:HD3	8	1.03
(1,2159)	2:C:13:VAL:HG21	2:C:48:ARG:HD3	8	1.03
(1,2159)	2:C:13:VAL:HG23	2:C:48:ARG:HD3	8	1.03
(1,2042)	2:B:5:LYS:HD3	2:B:44:PHE:HZ	1	1.03
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD22	9	1.03
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD21	9	1.03
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD23	9	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1660)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	9	1.03
(1,1660)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	9	1.03
(1,1660)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	9	1.03
(1,1060)	1:A:116:GLU:HG2	1:A:116:GLU:H	2	1.03
(1,3183)	2:C:12:ILE:HD12	2:C:9:ALA:H	6	1.02
(1,3183)	2:C:12:ILE:HD11	2:C:9:ALA:H	6	1.02
(1,3183)	2:C:12:ILE:HD13	2:C:9:ALA:H	6	1.02
(1,3183)	2:C:12:ILE:HD12	2:C:9:ALA:H	9	1.02
(1,3183)	2:C:12:ILE:HD11	2:C:9:ALA:H	9	1.02
(1,3183)	2:C:12:ILE:HD13	2:C:9:ALA:H	9	1.02
(1,3119)	2:C:48:ARG:HB3	2:C:49:GLU:H	8	1.02
(1,262)	1:A:80:LYS:HD3	1:A:86:PHE:HZ	10	1.02
(1,2491)	2:C:54:ILE:HG22	2:C:7:GLU:HG2	9	1.02
(1,2491)	2:C:54:ILE:HG21	2:C:7:GLU:HG2	9	1.02
(1,2491)	2:C:54:ILE:HG23	2:C:7:GLU:HG2	9	1.02
(1,2251)	2:C:11:LEU:HA	2:C:55:LEU:HB3	9	1.02
(1,2042)	2:B:5:LYS:HD3	2:B:44:PHE:HZ	4	1.02
(1,2013)	2:C:47:GLU:HG3	2:C:47:GLU:H	4	1.02
(1,1448)	1:A:78:LEU:HD12	1:A:90:HIS:HE1	10	1.02
(1,1448)	1:A:78:LEU:HD11	1:A:90:HIS:HE1	10	1.02
(1,1448)	1:A:78:LEU:HD13	1:A:90:HIS:HE1	10	1.02
(1,1448)	1:A:78:LEU:HD12	1:A:104:HIS:HE1	10	1.02
(1,1448)	1:A:78:LEU:HD11	1:A:104:HIS:HE1	10	1.02
(1,1448)	1:A:78:LEU:HD13	1:A:104:HIS:HE1	10	1.02
(1,135)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	4	1.02
(1,135)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	4	1.02
(1,135)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	4	1.02
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD12	10	1.02
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD11	10	1.02
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD13	10	1.02
(1,116)	1:A:125:VAL:HG22	1:A:120:LEU:H	5	1.02
(1,116)	1:A:125:VAL:HG21	1:A:120:LEU:H	5	1.02
(1,116)	1:A:125:VAL:HG23	1:A:120:LEU:H	5	1.02
(1,1021)	1:A:103:GLN:HG3	1:A:103:GLN:H	1	1.02
(1,1021)	1:A:103:GLN:HG3	1:A:103:GLN:H	9	1.02
(1,704)	1:A:122:LYS:HE3	1:A:141:ASN:HD21	1	1.01
(1,695)	1:A:79:LYS:HE3	1:A:81:ILE:HB	10	1.01
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG22	8	1.01
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG21	8	1.01
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG23	8	1.01
(1,610)	1:A:108:GLU:HG3	1:A:107:SER:HB3	6	1.01
(1,51)	1:A:88:ILE:HD12	1:A:92:PHE:HZ	2	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:A:88:ILE:HD11	1:A:92:PHE:HZ	2	1.01
(1,51)	1:A:88:ILE:HD13	1:A:92:PHE:HZ	2	1.01
(1,5)	1:A:119:LEU:HD22	1:A:102:LYS:H	5	1.01
(1,5)	1:A:119:LEU:HD21	1:A:102:LYS:H	5	1.01
(1,5)	1:A:119:LEU:HD23	1:A:102:LYS:H	5	1.01
(1,3572)	2:B:33:LEU:HD22	2:B:19:ILE:HB	6	1.01
(1,3572)	2:B:33:LEU:HD21	2:B:19:ILE:HB	6	1.01
(1,3572)	2:B:33:LEU:HD23	2:B:19:ILE:HB	6	1.01
(1,3572)	2:B:33:LEU:HD22	2:C:5:LYS:HB3	6	1.01
(1,3572)	2:B:33:LEU:HD21	2:C:5:LYS:HB3	6	1.01
(1,3572)	2:B:33:LEU:HD23	2:C:5:LYS:HB3	6	1.01
(1,3324)	2:B:27:GLU:HG3	2:B:27:GLU:H	9	1.01
(1,3220)	2:B:34:ASN:HA	2:B:17:SER:H	9	1.01
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG22	2	1.01
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG21	2	1.01
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG23	2	1.01
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG22	2	1.01
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG21	2	1.01
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG23	2	1.01
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG22	2	1.01
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG21	2	1.01
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG23	2	1.01
(1,3527)	2:C:6:GLU:HG2	2:C:46:PHE:HD1	6	1.0
(1,3527)	2:C:6:GLU:HG2	2:C:46:PHE:HD2	6	1.0
(1,3527)	2:C:6:GLU:HG2	2:C:46:PHE:HE1	6	1.0
(1,3527)	2:C:6:GLU:HG2	2:C:46:PHE:HE2	6	1.0
(1,3151)	2:C:5:LYS:HG2	2:C:6:GLU:H	9	1.0
(1,3119)	2:C:48:ARG:HB3	2:C:49:GLU:H	3	1.0
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG12	5	1.0
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG11	5	1.0
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG13	5	1.0
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG12	5	1.0
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG11	5	1.0
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG13	5	1.0
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG12	5	1.0
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG11	5	1.0
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG13	5	1.0
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG12	10	1.0
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG11	10	1.0
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG13	10	1.0
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG12	10	1.0
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG11	10	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG13	10	1.0
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG12	10	1.0
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG11	10	1.0
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG13	10	1.0
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB2	10	1.0
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB1	10	1.0
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB3	10	1.0
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB2	10	1.0
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB1	10	1.0
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB3	10	1.0
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB2	10	1.0
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB1	10	1.0
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB3	10	1.0
(1,2427)	2:C:68:ILE:HD12	2:B:60:PHE:HD1	2	1.0
(1,2427)	2:C:68:ILE:HD12	2:B:60:PHE:HD2	2	1.0
(1,2427)	2:C:68:ILE:HD11	2:B:60:PHE:HD1	2	1.0
(1,2427)	2:C:68:ILE:HD11	2:B:60:PHE:HD2	2	1.0
(1,2427)	2:C:68:ILE:HD13	2:B:60:PHE:HD1	2	1.0
(1,2427)	2:C:68:ILE:HD13	2:B:60:PHE:HD2	2	1.0
(1,150)	1:A:78:LEU:HD12	1:A:92:PHE:HZ	8	1.0
(1,150)	1:A:78:LEU:HD11	1:A:92:PHE:HZ	8	1.0
(1,150)	1:A:78:LEU:HD13	1:A:92:PHE:HZ	8	1.0
(1,1457)	1:A:120:LEU:HD22	1:A:118:LYS:HE3	9	1.0
(1,1457)	1:A:120:LEU:HD21	1:A:118:LYS:HE3	9	1.0
(1,1457)	1:A:120:LEU:HD23	1:A:118:LYS:HE3	9	1.0
(1,1457)	1:A:126:LEU:HD22	1:A:124:LYS:HE2	9	1.0
(1,1457)	1:A:126:LEU:HD21	1:A:124:LYS:HE2	9	1.0
(1,1457)	1:A:126:LEU:HD23	1:A:124:LYS:HE2	9	1.0
(1,3183)	2:C:12:ILE:HD12	2:C:9:ALA:H	8	0.99
(1,3183)	2:C:12:ILE:HD11	2:C:9:ALA:H	8	0.99
(1,3183)	2:C:12:ILE:HD13	2:C:9:ALA:H	8	0.99
(1,2639)	2:C:35:VAL:HG22	2:C:37:MET:HB3	4	0.99
(1,2639)	2:C:35:VAL:HG21	2:C:37:MET:HB3	4	0.99
(1,2639)	2:C:35:VAL:HG23	2:C:37:MET:HB3	4	0.99
(1,2250)	2:B:11:LEU:HA	2:B:55:LEU:HB3	1	0.99
(1,2159)	2:C:13:VAL:HG22	2:C:48:ARG:HD3	5	0.99
(1,2159)	2:C:13:VAL:HG21	2:C:48:ARG:HD3	5	0.99
(1,2159)	2:C:13:VAL:HG23	2:C:48:ARG:HD3	5	0.99
(1,2084)	2:B:25:ILE:HD12	2:B:25:ILE:HG22	2	0.99
(1,2084)	2:B:25:ILE:HD12	2:B:25:ILE:HG21	2	0.99
(1,2084)	2:B:25:ILE:HD12	2:B:25:ILE:HG23	2	0.99
(1,2084)	2:B:25:ILE:HD11	2:B:25:ILE:HG22	2	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2084)	2:B:25:ILE:HD11	2:B:25:ILE:HG21	2	0.99
(1,2084)	2:B:25:ILE:HD11	2:B:25:ILE:HG23	2	0.99
(1,2084)	2:B:25:ILE:HD13	2:B:25:ILE:HG22	2	0.99
(1,2084)	2:B:25:ILE:HD13	2:B:25:ILE:HG21	2	0.99
(1,2084)	2:B:25:ILE:HD13	2:B:25:ILE:HG23	2	0.99
(1,2061)	2:C:55:LEU:HD22	2:C:14:ASN:H	10	0.99
(1,2061)	2:C:55:LEU:HD21	2:C:14:ASN:H	10	0.99
(1,2061)	2:C:55:LEU:HD23	2:C:14:ASN:H	10	0.99
(1,2042)	2:B:5:LYS:HD3	2:B:44:PHE:HZ	6	0.99
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD22	6	0.99
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD21	6	0.99
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD23	6	0.99
(1,1660)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	6	0.99
(1,1660)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	6	0.99
(1,1660)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	6	0.99
(1,157)	1:A:99:LEU:HD22	1:A:103:GLN:HE22	4	0.99
(1,157)	1:A:99:LEU:HD21	1:A:103:GLN:HE22	4	0.99
(1,157)	1:A:99:LEU:HD23	1:A:103:GLN:HE22	4	0.99
(1,142)	1:A:140:ALA:HB2	1:A:141:ASN:HD22	2	0.99
(1,142)	1:A:140:ALA:HB1	1:A:141:ASN:HD22	2	0.99
(1,142)	1:A:140:ALA:HB3	1:A:141:ASN:HD22	2	0.99
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD22	1	0.98
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD21	1	0.98
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD23	1	0.98
(1,48)	1:A:88:ILE:HD12	1:A:90:HIS:HE1	6	0.98
(1,48)	1:A:88:ILE:HD11	1:A:90:HIS:HE1	6	0.98
(1,48)	1:A:88:ILE:HD13	1:A:90:HIS:HE1	6	0.98
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG22	2	0.98
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG21	2	0.98
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG23	2	0.98
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG22	2	0.98
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG21	2	0.98
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG23	2	0.98
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG22	2	0.98
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG21	2	0.98
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG23	2	0.98
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG22	2	0.98
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG21	2	0.98
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG23	2	0.98
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG22	2	0.98
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG21	2	0.98
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG23	2	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG22	2	0.98
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG21	2	0.98
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG23	2	0.98
(1,3572)	2:B:33:LEU:HD22	2:B:19:ILE:HB	2	0.98
(1,3572)	2:B:33:LEU:HD21	2:B:19:ILE:HB	2	0.98
(1,3572)	2:B:33:LEU:HD23	2:B:19:ILE:HB	2	0.98
(1,3572)	2:B:33:LEU:HD22	2:C:5:LYS:HB3	2	0.98
(1,3572)	2:B:33:LEU:HD21	2:C:5:LYS:HB3	2	0.98
(1,3572)	2:B:33:LEU:HD23	2:C:5:LYS:HB3	2	0.98
(1,3322)	2:B:25:ILE:HG12	2:B:26:SER:H	2	0.98
(1,3221)	2:C:34:ASN:HA	2:C:17:SER:H	5	0.98
(1,2639)	2:C:35:VAL:HG22	2:C:37:MET:HB3	6	0.98
(1,2639)	2:C:35:VAL:HG21	2:C:37:MET:HB3	6	0.98
(1,2639)	2:C:35:VAL:HG23	2:C:37:MET:HB3	6	0.98
(1,2628)	2:B:37:MET:HB3	2:B:17:SER:HB3	6	0.98
(1,2250)	2:B:11:LEU:HA	2:B:55:LEU:HB3	3	0.98
(1,2250)	2:B:11:LEU:HA	2:B:55:LEU:HB3	8	0.98
(1,2159)	2:C:13:VAL:HG22	2:C:48:ARG:HD3	9	0.98
(1,2159)	2:C:13:VAL:HG21	2:C:48:ARG:HD3	9	0.98
(1,2159)	2:C:13:VAL:HG23	2:C:48:ARG:HD3	9	0.98
(1,2147)	2:C:23:LYS:HE3	2:C:23:LYS:HG3	7	0.98
(1,2063)	2:C:55:LEU:HD22	2:C:14:ASN:HB2	3	0.98
(1,2063)	2:C:55:LEU:HD21	2:C:14:ASN:HB2	3	0.98
(1,2063)	2:C:55:LEU:HD23	2:C:14:ASN:HB2	3	0.98
(1,2039)	2:C:5:LYS:HB3	2:C:44:PHE:HZ	8	0.98
(1,183)	1:A:99:LEU:HD12	1:A:100:GLN:HE22	4	0.98
(1,183)	1:A:99:LEU:HD11	1:A:100:GLN:HE22	4	0.98
(1,183)	1:A:99:LEU:HD13	1:A:100:GLN:HE22	4	0.98
(1,1446)	1:A:97:THR:HG21	1:A:96:ASP:HB3	2	0.98
(1,1446)	1:A:97:THR:HG22	1:A:96:ASP:HB3	2	0.98
(1,1446)	1:A:97:THR:HG23	1:A:96:ASP:HB3	2	0.98
(1,1446)	1:A:97:THR:HG21	1:A:100:GLN:HG3	2	0.98
(1,1446)	1:A:97:THR:HG22	1:A:100:GLN:HG3	2	0.98
(1,1446)	1:A:97:THR:HG23	1:A:100:GLN:HG3	2	0.98
(1,1295)	1:A:129:ASN:H	1:A:97:THR:HB	1	0.98
(1,1123)	1:A:87:SER:H	1:A:79:LYS:HD3	7	0.98
(1,807)	1:A:143:THR:HA	1:A:76:LEU:HG	2	0.97
(1,786)	1:A:126:LEU:HD12	1:A:124:LYS:HD3	6	0.97
(1,786)	1:A:126:LEU:HD11	1:A:124:LYS:HD3	6	0.97
(1,786)	1:A:126:LEU:HD13	1:A:124:LYS:HD3	6	0.97
(1,56)	1:A:114:ILE:HD12	1:A:103:GLN:HE21	6	0.97
(1,56)	1:A:114:ILE:HD11	1:A:103:GLN:HE21	6	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:A:114:ILE:HD13	1:A:103:GLN:HE21	6	0.97
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB2	4	0.97
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB3	4	0.97
(1,4081)	2:C:13:VAL:H	2:C:41:SER:HA	4	0.97
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD12	5	0.97
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD11	5	0.97
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD13	5	0.97
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD12	5	0.97
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD11	5	0.97
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD13	5	0.97
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD12	5	0.97
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD11	5	0.97
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD13	5	0.97
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG22	5	0.97
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG21	5	0.97
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG23	5	0.97
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG22	5	0.97
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG21	5	0.97
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG23	5	0.97
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG22	5	0.97
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG21	5	0.97
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG23	5	0.97
(1,3573)	2:C:33:LEU:HD22	2:C:19:ILE:HB	1	0.97
(1,3573)	2:C:33:LEU:HD21	2:C:19:ILE:HB	1	0.97
(1,3573)	2:C:33:LEU:HD23	2:C:19:ILE:HB	1	0.97
(1,3573)	2:C:33:LEU:HD22	2:B:5:LYS:HB3	1	0.97
(1,3573)	2:C:33:LEU:HD21	2:B:5:LYS:HB3	1	0.97
(1,3573)	2:C:33:LEU:HD23	2:B:5:LYS:HB3	1	0.97
(1,3573)	2:C:33:LEU:HD22	2:C:19:ILE:HB	4	0.97
(1,3573)	2:C:33:LEU:HD21	2:C:19:ILE:HB	4	0.97
(1,3573)	2:C:33:LEU:HD23	2:C:19:ILE:HB	4	0.97
(1,3573)	2:C:33:LEU:HD22	2:B:5:LYS:HB3	4	0.97
(1,3573)	2:C:33:LEU:HD21	2:B:5:LYS:HB3	4	0.97
(1,3573)	2:C:33:LEU:HD23	2:B:5:LYS:HB3	4	0.97
(1,3572)	2:B:33:LEU:HD22	2:B:19:ILE:HB	7	0.97
(1,3572)	2:B:33:LEU:HD21	2:B:19:ILE:HB	7	0.97
(1,3572)	2:B:33:LEU:HD23	2:B:19:ILE:HB	7	0.97
(1,3572)	2:B:33:LEU:HD22	2:C:5:LYS:HB3	7	0.97
(1,3572)	2:B:33:LEU:HD21	2:C:5:LYS:HB3	7	0.97
(1,3572)	2:B:33:LEU:HD23	2:C:5:LYS:HB3	7	0.97
(1,3542)	2:B:51:VAL:HG22	2:B:13:VAL:HB	4	0.97
(1,3542)	2:B:51:VAL:HG21	2:B:13:VAL:HB	4	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3542)	2:B:51:VAL:HG23	2:B:13:VAL:HB	4	0.97
(1,3542)	2:B:51:VAL:HG22	2:B:49:GLU:HG3	4	0.97
(1,3542)	2:B:51:VAL:HG21	2:B:49:GLU:HG3	4	0.97
(1,3542)	2:B:51:VAL:HG23	2:B:49:GLU:HG3	4	0.97
(1,2628)	2:B:37:MET:HB3	2:B:17:SER:HB3	2	0.97
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD22	10	0.97
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD21	10	0.97
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD23	10	0.97
(1,1660)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	10	0.97
(1,1660)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	10	0.97
(1,1660)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	10	0.97
(1,1448)	1:A:78:LEU:HD12	1:A:90:HIS:HE1	4	0.97
(1,1448)	1:A:78:LEU:HD11	1:A:90:HIS:HE1	4	0.97
(1,1448)	1:A:78:LEU:HD13	1:A:90:HIS:HE1	4	0.97
(1,1448)	1:A:78:LEU:HD12	1:A:104:HIS:HE1	4	0.97
(1,1448)	1:A:78:LEU:HD11	1:A:104:HIS:HE1	4	0.97
(1,1448)	1:A:78:LEU:HD13	1:A:104:HIS:HE1	4	0.97
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD22	6	0.96
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD21	6	0.96
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD23	6	0.96
(1,3934)	2:B:55:LEU:HD12	2:B:6:GLU:HB2	8	0.96
(1,3934)	2:B:55:LEU:HD11	2:B:6:GLU:HB2	8	0.96
(1,3934)	2:B:55:LEU:HD13	2:B:6:GLU:HB2	8	0.96
(1,3934)	2:B:55:LEU:HD12	2:B:7:GLU:HG2	8	0.96
(1,3934)	2:B:55:LEU:HD11	2:B:7:GLU:HG2	8	0.96
(1,3934)	2:B:55:LEU:HD13	2:B:7:GLU:HG2	8	0.96
(1,2882)	2:B:13:VAL:HG12	2:B:41:SER:HB3	8	0.96
(1,2882)	2:B:13:VAL:HG11	2:B:41:SER:HB3	8	0.96
(1,2882)	2:B:13:VAL:HG13	2:B:41:SER:HB3	8	0.96
(1,264)	1:A:81:ILE:HG13	1:A:81:ILE:H	2	0.96
(1,2629)	2:C:37:MET:HB3	2:C:17:SER:HB3	8	0.96
(1,2617)	2:C:51:VAL:HG22	2:C:46:PHE:HZ	2	0.96
(1,2617)	2:C:51:VAL:HG21	2:C:46:PHE:HZ	2	0.96
(1,2617)	2:C:51:VAL:HG23	2:C:46:PHE:HZ	2	0.96
(1,2178)	2:B:9:ALA:HA	2:B:12:ILE:HD12	5	0.96
(1,2178)	2:B:9:ALA:HA	2:B:12:ILE:HD11	5	0.96
(1,2178)	2:B:9:ALA:HA	2:B:12:ILE:HD13	5	0.96
(1,2147)	2:C:23:LYS:HE3	2:C:23:LYS:HG3	3	0.96
(1,2147)	2:C:23:LYS:HE3	2:C:23:LYS:HG3	6	0.96
(1,2147)	2:C:23:LYS:HE3	2:C:23:LYS:HG3	10	0.96
(1,2089)	2:C:8:ILE:HD12	2:B:19:ILE:HG12	4	0.96
(1,2089)	2:C:8:ILE:HD11	2:B:19:ILE:HG12	4	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2089)	2:C:8:ILE:HD13	2:B:19:ILE:HG12	4	0.96
(1,2063)	2:C:55:LEU:HD22	2:C:14:ASN:HB2	7	0.96
(1,2063)	2:C:55:LEU:HD21	2:C:14:ASN:HB2	7	0.96
(1,2063)	2:C:55:LEU:HD23	2:C:14:ASN:HB2	7	0.96
(1,1423)	1:A:119:LEU:HD22	1:A:117:ILE:HB	5	0.96
(1,1423)	1:A:119:LEU:HD21	1:A:117:ILE:HB	5	0.96
(1,1423)	1:A:119:LEU:HD23	1:A:117:ILE:HB	5	0.96
(1,1423)	1:A:119:LEU:HD22	1:A:118:LYS:HB2	5	0.96
(1,1423)	1:A:119:LEU:HD21	1:A:118:LYS:HB2	5	0.96
(1,1423)	1:A:119:LEU:HD23	1:A:118:LYS:HB2	5	0.96
(1,1423)	1:A:119:LEU:HD22	1:A:126:LEU:HB3	5	0.96
(1,1423)	1:A:119:LEU:HD21	1:A:126:LEU:HB3	5	0.96
(1,1423)	1:A:119:LEU:HD23	1:A:126:LEU:HB3	5	0.96
(1,736)	1:A:114:ILE:HG12	1:A:102:LYS:HB3	10	0.95
(1,720)	1:A:148:ILE:HD12	1:A:86:PHE:HZ	8	0.95
(1,720)	1:A:148:ILE:HD11	1:A:86:PHE:HZ	8	0.95
(1,720)	1:A:148:ILE:HD13	1:A:86:PHE:HZ	8	0.95
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG22	10	0.95
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG21	10	0.95
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG23	10	0.95
(1,511)	1:A:139:PRO:HD2	1:A:138:THR:HB	7	0.95
(1,3221)	2:C:34:ASN:HA	2:C:17:SER:H	7	0.95
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB2	9	0.95
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB1	9	0.95
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB3	9	0.95
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB2	9	0.95
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB1	9	0.95
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB3	9	0.95
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB2	9	0.95
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB1	9	0.95
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB3	9	0.95
(1,2243)	2:C:11:LEU:HA	2:C:54:ILE:HB	4	0.95
(1,2147)	2:C:23:LYS:HE3	2:C:23:LYS:HG3	5	0.95
(1,1295)	1:A:129:ASN:H	1:A:97:THR:HB	9	0.95
(1,898)	1:A:85:LYS:HB3	1:A:86:PHE:H	10	0.94
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD22	9	0.94
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD21	9	0.94
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD23	9	0.94
(1,3220)	2:B:34:ASN:HA	2:B:17:SER:H	8	0.94
(1,2883)	2:C:13:VAL:HG12	2:C:41:SER:HB3	1	0.94
(1,2883)	2:C:13:VAL:HG11	2:C:41:SER:HB3	1	0.94
(1,2883)	2:C:13:VAL:HG13	2:C:41:SER:HB3	1	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2883)	2:C:13:VAL:HG12	2:C:41:SER:HB3	9	0.94
(1,2883)	2:C:13:VAL:HG11	2:C:41:SER:HB3	9	0.94
(1,2883)	2:C:13:VAL:HG13	2:C:41:SER:HB3	9	0.94
(1,2787)	2:C:20:VAL:HG12	2:C:34:ASN:HD22	7	0.94
(1,2787)	2:C:20:VAL:HG11	2:C:34:ASN:HD22	7	0.94
(1,2787)	2:C:20:VAL:HG13	2:C:34:ASN:HD22	7	0.94
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG12	4	0.94
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG11	4	0.94
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG13	4	0.94
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG12	4	0.94
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG11	4	0.94
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG13	4	0.94
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG12	4	0.94
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG11	4	0.94
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG13	4	0.94
(1,2146)	2:B:23:LYS:HE3	2:B:23:LYS:HG3	1	0.94
(1,137)	1:A:125:VAL:HG22	1:A:127:HIS:HA	5	0.94
(1,137)	1:A:125:VAL:HG21	1:A:127:HIS:HA	5	0.94
(1,137)	1:A:125:VAL:HG23	1:A:127:HIS:HA	5	0.94
(1,1265)	1:A:107:SER:H	1:A:108:GLU:HG3	6	0.94
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD22	4	0.93
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD21	4	0.93
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD23	4	0.93
(1,3572)	2:B:33:LEU:HD22	2:B:19:ILE:HB	3	0.93
(1,3572)	2:B:33:LEU:HD21	2:B:19:ILE:HB	3	0.93
(1,3572)	2:B:33:LEU:HD23	2:B:19:ILE:HB	3	0.93
(1,3572)	2:B:33:LEU:HD22	2:C:5:LYS:HB3	3	0.93
(1,3572)	2:B:33:LEU:HD21	2:C:5:LYS:HB3	3	0.93
(1,3572)	2:B:33:LEU:HD23	2:C:5:LYS:HB3	3	0.93
(1,3542)	2:B:51:VAL:HG22	2:B:13:VAL:HB	2	0.93
(1,3542)	2:B:51:VAL:HG21	2:B:13:VAL:HB	2	0.93
(1,3542)	2:B:51:VAL:HG23	2:B:13:VAL:HB	2	0.93
(1,3542)	2:B:51:VAL:HG22	2:B:49:GLU:HG3	2	0.93
(1,3542)	2:B:51:VAL:HG21	2:B:49:GLU:HG3	2	0.93
(1,3542)	2:B:51:VAL:HG23	2:B:49:GLU:HG3	2	0.93
(1,229)	1:A:118:LYS:HB2	1:A:118:LYS:HE3	6	0.93
(1,2250)	2:B:11:LEU:HA	2:B:55:LEU:HB3	4	0.93
(1,2147)	2:C:23:LYS:HE3	2:C:23:LYS:HG3	9	0.93
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD22	4	0.93
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD21	4	0.93
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD23	4	0.93
(1,1660)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	4	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1660)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	4	0.93
(1,1660)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	4	0.93
(1,749)	1:A:124:LYS:HG2	1:A:125:VAL:HA	1	0.92
(1,35)	1:A:106:ILE:HD12	1:A:113:HIS:HA	9	0.92
(1,35)	1:A:106:ILE:HD11	1:A:113:HIS:HA	9	0.92
(1,35)	1:A:106:ILE:HD13	1:A:113:HIS:HA	9	0.92
(1,2638)	2:B:35:VAL:HG22	2:B:37:MET:HB3	4	0.92
(1,2638)	2:B:35:VAL:HG21	2:B:37:MET:HB3	4	0.92
(1,2638)	2:B:35:VAL:HG23	2:B:37:MET:HB3	4	0.92
(1,2147)	2:C:23:LYS:HE3	2:C:23:LYS:HG3	2	0.92
(1,2146)	2:B:23:LYS:HE3	2:B:23:LYS:HG3	5	0.92
(1,2146)	2:B:23:LYS:HE3	2:B:23:LYS:HG3	7	0.92
(1,2146)	2:B:23:LYS:HE3	2:B:23:LYS:HG3	10	0.92
(1,2062)	2:B:55:LEU:HD22	2:B:14:ASN:HB2	9	0.92
(1,2062)	2:B:55:LEU:HD21	2:B:14:ASN:HB2	9	0.92
(1,2062)	2:B:55:LEU:HD23	2:B:14:ASN:HB2	9	0.92
(1,1653)	1:A:126:LEU:HD12	1:A:124:LYS:HD3	1	0.92
(1,1653)	1:A:126:LEU:HD11	1:A:124:LYS:HD3	1	0.92
(1,1653)	1:A:126:LEU:HD13	1:A:124:LYS:HD3	1	0.92
(1,1653)	1:A:126:LEU:HD12	1:A:126:LEU:HB3	1	0.92
(1,1653)	1:A:126:LEU:HD11	1:A:126:LEU:HB3	1	0.92
(1,1653)	1:A:126:LEU:HD13	1:A:126:LEU:HB3	1	0.92
(1,1353)	1:A:121:LEU:HD12	1:A:141:ASN:HD21	8	0.92
(1,1353)	1:A:121:LEU:HD11	1:A:141:ASN:HD21	8	0.92
(1,1353)	1:A:121:LEU:HD13	1:A:141:ASN:HD21	8	0.92
(1,1068)	1:A:119:LEU:HD22	1:A:119:LEU:H	5	0.92
(1,1068)	1:A:119:LEU:HD21	1:A:119:LEU:H	5	0.92
(1,1068)	1:A:119:LEU:HD23	1:A:119:LEU:H	5	0.92
(1,803)	1:A:99:LEU:HG	1:A:103:GLN:HE21	5	0.91
(1,3934)	2:B:55:LEU:HD12	2:B:6:GLU:HB2	2	0.91
(1,3934)	2:B:55:LEU:HD11	2:B:6:GLU:HB2	2	0.91
(1,3934)	2:B:55:LEU:HD13	2:B:6:GLU:HB2	2	0.91
(1,3934)	2:B:55:LEU:HD12	2:B:7:GLU:HG2	2	0.91
(1,3934)	2:B:55:LEU:HD11	2:B:7:GLU:HG2	2	0.91
(1,3934)	2:B:55:LEU:HD13	2:B:7:GLU:HG2	2	0.91
(1,3934)	2:B:55:LEU:HD12	2:B:6:GLU:HB2	6	0.91
(1,3934)	2:B:55:LEU:HD11	2:B:6:GLU:HB2	6	0.91
(1,3934)	2:B:55:LEU:HD13	2:B:6:GLU:HB2	6	0.91
(1,3934)	2:B:55:LEU:HD12	2:B:7:GLU:HG2	6	0.91
(1,3934)	2:B:55:LEU:HD11	2:B:7:GLU:HG2	6	0.91
(1,3934)	2:B:55:LEU:HD13	2:B:7:GLU:HG2	6	0.91
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG22	8	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG21	8	0.91
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG23	8	0.91
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG22	8	0.91
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG21	8	0.91
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG23	8	0.91
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG22	8	0.91
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG21	8	0.91
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG23	8	0.91
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG22	8	0.91
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG21	8	0.91
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG23	8	0.91
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG22	8	0.91
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG21	8	0.91
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG23	8	0.91
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG22	8	0.91
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG21	8	0.91
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG23	8	0.91
(1,3149)	2:C:5:LYS:HG3	2:C:6:GLU:H	9	0.91
(1,2595)	2:C:57:LYS:HB3	2:B:68:ILE:HG13	7	0.91
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB2	5	0.91
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB1	5	0.91
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB3	5	0.91
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB2	5	0.91
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB1	5	0.91
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB3	5	0.91
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB2	5	0.91
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB1	5	0.91
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB3	5	0.91
(1,2242)	2:B:11:LEU:HA	2:B:54:ILE:HB	6	0.91
(1,2158)	2:B:13:VAL:HG22	2:B:48:ARG:HD3	2	0.91
(1,2158)	2:B:13:VAL:HG21	2:B:48:ARG:HD3	2	0.91
(1,2158)	2:B:13:VAL:HG23	2:B:48:ARG:HD3	2	0.91
(1,2115)	2:C:13:VAL:HG22	2:C:48:ARG:HG2	10	0.91
(1,2115)	2:C:13:VAL:HG21	2:C:48:ARG:HG2	10	0.91
(1,2115)	2:C:13:VAL:HG23	2:C:48:ARG:HG2	10	0.91
(1,2089)	2:C:8:ILE:HD12	2:B:19:ILE:HG12	10	0.91
(1,2089)	2:C:8:ILE:HD11	2:B:19:ILE:HG12	10	0.91
(1,2089)	2:C:8:ILE:HD13	2:B:19:ILE:HG12	10	0.91
(1,1661)	1:A:149:LYS:HE3	1:A:149:LYS:HD3	5	0.91
(1,1661)	1:A:149:LYS:HB3	1:A:149:LYS:HE3	5	0.91
(3,33)	1:A:149:LYS:H	1:A:116:GLU:O	10	0.9
(1,786)	1:A:126:LEU:HD12	1:A:124:LYS:HD3	2	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,786)	1:A:126:LEU:HD11	1:A:124:LYS:HD3	2	0.9
(1,786)	1:A:126:LEU:HD13	1:A:124:LYS:HD3	2	0.9
(1,725)	1:A:148:ILE:HD12	1:A:80:LYS:HD3	5	0.9
(1,725)	1:A:148:ILE:HD11	1:A:80:LYS:HD3	5	0.9
(1,725)	1:A:148:ILE:HD13	1:A:80:LYS:HD3	5	0.9
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB2	4	0.9
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB1	4	0.9
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB3	4	0.9
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB2	4	0.9
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB1	4	0.9
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB3	4	0.9
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB2	4	0.9
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB1	4	0.9
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB3	4	0.9
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB2	4	0.9
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB1	4	0.9
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB3	4	0.9
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB2	4	0.9
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB1	4	0.9
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB3	4	0.9
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB2	4	0.9
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB1	4	0.9
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB3	4	0.9
(1,2628)	2:B:37:MET:HB3	2:B:17:SER:HB3	3	0.9
(1,2242)	2:B:11:LEU:HA	2:B:54:ILE:HB	1	0.9
(1,2147)	2:C:23:LYS:HE3	2:C:23:LYS:HG3	1	0.9
(1,2115)	2:C:13:VAL:HG22	2:C:48:ARG:HG2	3	0.9
(1,2115)	2:C:13:VAL:HG21	2:C:48:ARG:HG2	3	0.9
(1,2115)	2:C:13:VAL:HG23	2:C:48:ARG:HG2	3	0.9
(1,186)	1:A:120:LEU:HD22	1:A:120:LEU:H	5	0.9
(1,186)	1:A:120:LEU:HD21	1:A:120:LEU:H	5	0.9
(1,186)	1:A:120:LEU:HD23	1:A:120:LEU:H	5	0.9
(1,1758)	1:A:83:ALA:H	1:A:85:LYS:HG2	8	0.9
(1,1758)	1:A:83:ALA:H	1:A:85:LYS:HG3	8	0.9
(1,157)	1:A:99:LEU:HD22	1:A:103:GLN:HE22	7	0.9
(1,157)	1:A:99:LEU:HD21	1:A:103:GLN:HE22	7	0.9
(1,157)	1:A:99:LEU:HD23	1:A:103:GLN:HE22	7	0.9
(1,1557)	1:A:81:ILE:HA	1:A:79:LYS:HD3	9	0.9
(1,1557)	1:A:81:ILE:HA	1:A:85:LYS:HD3	9	0.9
(1,620)	1:A:73:MET:HB3	1:A:92:PHE:HA	2	0.89
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG22	3	0.89
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG21	3	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG23	3	0.89
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG22	3	0.89
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG21	3	0.89
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG23	3	0.89
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG22	3	0.89
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG21	3	0.89
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG23	3	0.89
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG22	3	0.89
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG21	3	0.89
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG23	3	0.89
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG22	3	0.89
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG21	3	0.89
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG23	3	0.89
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG22	3	0.89
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG21	3	0.89
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG23	3	0.89
(1,3325)	2:C:27:GLU:HG3	2:C:27:GLU:H	1	0.89
(1,3221)	2:C:34:ASN:HA	2:C:17:SER:H	6	0.89
(1,2948)	2:B:60:PHE:HD1	2:B:7:GLU:HB3	4	0.89
(1,2948)	2:B:60:PHE:HD2	2:B:7:GLU:HB3	4	0.89
(1,2720)	2:B:54:ILE:HD12	2:B:6:GLU:HG3	10	0.89
(1,2720)	2:B:54:ILE:HD11	2:B:6:GLU:HG3	10	0.89
(1,2720)	2:B:54:ILE:HD13	2:B:6:GLU:HG3	10	0.89
(1,2695)	2:C:54:ILE:HG22	2:C:46:PHE:HB2	2	0.89
(1,2695)	2:C:54:ILE:HG21	2:C:46:PHE:HB2	2	0.89
(1,2695)	2:C:54:ILE:HG23	2:C:46:PHE:HB2	2	0.89
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG12	6	0.89
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG11	6	0.89
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG13	6	0.89
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG12	6	0.89
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG11	6	0.89
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG13	6	0.89
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG12	6	0.89
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG11	6	0.89
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG13	6	0.89
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD12	3	0.89
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD11	3	0.89
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD13	3	0.89
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG22	4	0.89
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG21	4	0.89
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG23	4	0.89
(1,185)	1:A:130:LEU:HD22	1:A:131:PHE:H	9	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,185)	1:A:130:LEU:HD21	1:A:131:PHE:H	9	0.89
(1,185)	1:A:130:LEU:HD23	1:A:131:PHE:H	9	0.89
(1,1653)	1:A:126:LEU:HD12	1:A:124:LYS:HD3	8	0.89
(1,1653)	1:A:126:LEU:HD11	1:A:124:LYS:HD3	8	0.89
(1,1653)	1:A:126:LEU:HD13	1:A:124:LYS:HD3	8	0.89
(1,1653)	1:A:126:LEU:HD12	1:A:126:LEU:HB3	8	0.89
(1,1653)	1:A:126:LEU:HD11	1:A:126:LEU:HB3	8	0.89
(1,1653)	1:A:126:LEU:HD13	1:A:126:LEU:HB3	8	0.89
(1,1140)	1:A:82:GLN:HG2	1:A:82:GLN:H	3	0.89
(1,1041)	1:A:108:GLU:HG3	1:A:108:GLU:H	7	0.89
(1,736)	1:A:114:ILE:HG12	1:A:102:LYS:HB3	8	0.88
(1,700)	1:A:79:LYS:HE3	1:A:81:ILE:HA	5	0.88
(1,2775)	2:C:71:SER:HB3	2:C:68:ILE:H	5	0.88
(1,2639)	2:C:35:VAL:HG22	2:C:37:MET:HB3	3	0.88
(1,2639)	2:C:35:VAL:HG21	2:C:37:MET:HB3	3	0.88
(1,2639)	2:C:35:VAL:HG23	2:C:37:MET:HB3	3	0.88
(1,25)	1:A:144:ILE:HD12	1:A:120:LEU:H	10	0.88
(1,25)	1:A:144:ILE:HD11	1:A:120:LEU:H	10	0.88
(1,25)	1:A:144:ILE:HD13	1:A:120:LEU:H	10	0.88
(1,2409)	2:C:19:ILE:HG22	2:B:44:PHE:HZ	9	0.88
(1,2409)	2:C:19:ILE:HG21	2:B:44:PHE:HZ	9	0.88
(1,2409)	2:C:19:ILE:HG23	2:B:44:PHE:HZ	9	0.88
(1,2063)	2:C:55:LEU:HD22	2:C:14:ASN:HB2	1	0.88
(1,2063)	2:C:55:LEU:HD21	2:C:14:ASN:HB2	1	0.88
(1,2063)	2:C:55:LEU:HD23	2:C:14:ASN:HB2	1	0.88
(1,179)	1:A:120:LEU:HD22	1:A:147:MET:HG3	1	0.88
(1,179)	1:A:120:LEU:HD21	1:A:147:MET:HG3	1	0.88
(1,179)	1:A:120:LEU:HD23	1:A:147:MET:HG3	1	0.88
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD12	9	0.88
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD11	9	0.88
(1,1347)	1:A:141:ASN:HD22	1:A:121:LEU:HD13	9	0.88
(1,736)	1:A:114:ILE:HG12	1:A:102:LYS:HB3	4	0.87
(1,702)	1:A:122:LYS:HE3	1:A:122:LYS:H	8	0.87
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG22	9	0.87
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG21	9	0.87
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG23	9	0.87
(1,57)	1:A:81:ILE:HD12	1:A:145:THR:HB	10	0.87
(1,57)	1:A:81:ILE:HD11	1:A:145:THR:HB	10	0.87
(1,57)	1:A:81:ILE:HD13	1:A:145:THR:HB	10	0.87
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB2	6	0.87
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB3	6	0.87
(1,4081)	2:C:13:VAL:H	2:C:41:SER:HA	6	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG22	2	0.87
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG21	2	0.87
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG23	2	0.87
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG22	2	0.87
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG21	2	0.87
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG23	2	0.87
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG22	2	0.87
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG21	2	0.87
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG23	2	0.87
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG22	2	0.87
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG21	2	0.87
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG23	2	0.87
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG22	2	0.87
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG21	2	0.87
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG23	2	0.87
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG22	2	0.87
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG21	2	0.87
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG23	2	0.87
(1,3573)	2:C:33:LEU:HD22	2:C:19:ILE:HB	10	0.87
(1,3573)	2:C:33:LEU:HD21	2:C:19:ILE:HB	10	0.87
(1,3573)	2:C:33:LEU:HD23	2:C:19:ILE:HB	10	0.87
(1,3573)	2:C:33:LEU:HD22	2:B:5:LYS:HB3	10	0.87
(1,3573)	2:C:33:LEU:HD21	2:B:5:LYS:HB3	10	0.87
(1,3573)	2:C:33:LEU:HD23	2:B:5:LYS:HB3	10	0.87
(1,2882)	2:B:13:VAL:HG12	2:B:41:SER:HB3	5	0.87
(1,2882)	2:B:13:VAL:HG11	2:B:41:SER:HB3	5	0.87
(1,2882)	2:B:13:VAL:HG13	2:B:41:SER:HB3	5	0.87
(1,2721)	2:C:54:ILE:HD12	2:C:6:GLU:HG3	2	0.87
(1,2721)	2:C:54:ILE:HD11	2:C:6:GLU:HG3	2	0.87
(1,2721)	2:C:54:ILE:HD13	2:C:6:GLU:HG3	2	0.87
(1,2617)	2:C:51:VAL:HG22	2:C:46:PHE:HZ	8	0.87
(1,2617)	2:C:51:VAL:HG21	2:C:46:PHE:HZ	8	0.87
(1,2617)	2:C:51:VAL:HG23	2:C:46:PHE:HZ	8	0.87
(1,2243)	2:C:11:LEU:HA	2:C:54:ILE:HB	5	0.87
(1,2038)	2:B:5:LYS:HB3	2:B:44:PHE:HZ	9	0.87
(1,790)	1:A:126:LEU:HG	1:A:124:LYS:HE3	10	0.86
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD22	7	0.86
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD21	7	0.86
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD23	7	0.86
(1,697)	1:A:79:LYS:HE3	1:A:79:LYS:HG3	5	0.86
(1,3324)	2:B:27:GLU:HG3	2:B:27:GLU:H	10	0.86
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD1	1	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD2	1	0.86
(1,3132)	2:B:1:ASP:H	2:B:2:SER:H	1	0.86
(1,3119)	2:C:48:ARG:HB3	2:C:49:GLU:H	1	0.86
(1,2251)	2:C:11:LEU:HA	2:C:55:LEU:HB3	4	0.86
(1,2243)	2:C:11:LEU:HA	2:C:54:ILE:HB	3	0.86
(1,2159)	2:C:13:VAL:HG22	2:C:48:ARG:HD3	3	0.86
(1,2159)	2:C:13:VAL:HG21	2:C:48:ARG:HD3	3	0.86
(1,2159)	2:C:13:VAL:HG23	2:C:48:ARG:HD3	3	0.86
(1,2158)	2:B:13:VAL:HG22	2:B:48:ARG:HD3	7	0.86
(1,2158)	2:B:13:VAL:HG21	2:B:48:ARG:HD3	7	0.86
(1,2158)	2:B:13:VAL:HG23	2:B:48:ARG:HD3	7	0.86
(1,2114)	2:B:13:VAL:HG22	2:B:48:ARG:HG2	9	0.86
(1,2114)	2:B:13:VAL:HG21	2:B:48:ARG:HG2	9	0.86
(1,2114)	2:B:13:VAL:HG23	2:B:48:ARG:HG2	9	0.86
(1,2044)	2:B:5:LYS:HD2	2:B:44:PHE:HZ	9	0.86
(1,1629)	1:A:105:LEU:HD12	1:A:90:HIS:HE1	7	0.86
(1,1629)	1:A:105:LEU:HD11	1:A:90:HIS:HE1	7	0.86
(1,1629)	1:A:105:LEU:HD13	1:A:90:HIS:HE1	7	0.86
(1,1629)	1:A:105:LEU:HD12	1:A:104:HIS:HE1	7	0.86
(1,1629)	1:A:105:LEU:HD11	1:A:104:HIS:HE1	7	0.86
(1,1629)	1:A:105:LEU:HD13	1:A:104:HIS:HE1	7	0.86
(1,1353)	1:A:121:LEU:HD12	1:A:141:ASN:HD21	3	0.86
(1,1353)	1:A:121:LEU:HD11	1:A:141:ASN:HD21	3	0.86
(1,1353)	1:A:121:LEU:HD13	1:A:141:ASN:HD21	3	0.86
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD22	3	0.85
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD21	3	0.85
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD23	3	0.85
(1,703)	1:A:122:LYS:HE3	1:A:141:ASN:HD22	7	0.85
(1,3572)	2:B:33:LEU:HD22	2:B:19:ILE:HB	8	0.85
(1,3572)	2:B:33:LEU:HD21	2:B:19:ILE:HB	8	0.85
(1,3572)	2:B:33:LEU:HD23	2:B:19:ILE:HB	8	0.85
(1,3572)	2:B:33:LEU:HD22	2:C:5:LYS:HB3	8	0.85
(1,3572)	2:B:33:LEU:HD21	2:C:5:LYS:HB3	8	0.85
(1,3572)	2:B:33:LEU:HD23	2:C:5:LYS:HB3	8	0.85
(1,3325)	2:C:27:GLU:HG3	2:C:27:GLU:H	5	0.85
(1,3324)	2:B:27:GLU:HG3	2:B:27:GLU:H	3	0.85
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD1	10	0.85
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD2	10	0.85
(1,3220)	2:B:34:ASN:HA	2:B:17:SER:H	4	0.85
(1,3015)	2:C:5:LYS:HG2	2:C:5:LYS:H	10	0.85
(1,2883)	2:C:13:VAL:HG12	2:C:41:SER:HB3	10	0.85
(1,2883)	2:C:13:VAL:HG11	2:C:41:SER:HB3	10	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2883)	2:C:13:VAL:HG13	2:C:41:SER:HB3	10	0.85
(1,2882)	2:B:13:VAL:HG12	2:B:41:SER:HB3	2	0.85
(1,2882)	2:B:13:VAL:HG11	2:B:41:SER:HB3	2	0.85
(1,2882)	2:B:13:VAL:HG13	2:B:41:SER:HB3	2	0.85
(1,2534)	2:B:36:ALA:HB2	2:C:40:ILE:HG13	7	0.85
(1,2534)	2:B:36:ALA:HB1	2:C:40:ILE:HG13	7	0.85
(1,2534)	2:B:36:ALA:HB3	2:C:40:ILE:HG13	7	0.85
(1,25)	1:A:144:ILE:HD12	1:A:120:LEU:H	3	0.85
(1,25)	1:A:144:ILE:HD11	1:A:120:LEU:H	3	0.85
(1,25)	1:A:144:ILE:HD13	1:A:120:LEU:H	3	0.85
(1,2192)	2:B:25:ILE:HD12	2:B:30:ALA:HA	8	0.85
(1,2192)	2:B:25:ILE:HD11	2:B:30:ALA:HA	8	0.85
(1,2192)	2:B:25:ILE:HD13	2:B:30:ALA:HA	8	0.85
(1,2179)	2:C:9:ALA:HA	2:C:12:ILE:HD12	7	0.85
(1,2179)	2:C:9:ALA:HA	2:C:12:ILE:HD11	7	0.85
(1,2179)	2:C:9:ALA:HA	2:C:12:ILE:HD13	7	0.85
(1,1653)	1:A:126:LEU:HD12	1:A:124:LYS:HD3	2	0.85
(1,1653)	1:A:126:LEU:HD11	1:A:124:LYS:HD3	2	0.85
(1,1653)	1:A:126:LEU:HD13	1:A:124:LYS:HD3	2	0.85
(1,1653)	1:A:126:LEU:HD12	1:A:126:LEU:HB3	2	0.85
(1,1653)	1:A:126:LEU:HD11	1:A:126:LEU:HB3	2	0.85
(1,1653)	1:A:126:LEU:HD13	1:A:126:LEU:HB3	2	0.85
(1,1653)	1:A:126:LEU:HD12	1:A:124:LYS:HD3	6	0.85
(1,1653)	1:A:126:LEU:HD11	1:A:124:LYS:HD3	6	0.85
(1,1653)	1:A:126:LEU:HD13	1:A:124:LYS:HD3	6	0.85
(1,1653)	1:A:126:LEU:HD12	1:A:126:LEU:HB3	6	0.85
(1,1653)	1:A:126:LEU:HD11	1:A:126:LEU:HB3	6	0.85
(1,1653)	1:A:126:LEU:HD13	1:A:126:LEU:HB3	6	0.85
(1,1623)	1:A:126:LEU:HG	1:A:124:LYS:HE3	5	0.85
(1,1623)	1:A:126:LEU:HG	1:A:127:HIS:HB2	5	0.85
(1,1623)	1:A:126:LEU:HG	1:A:134:ASP:HB2	5	0.85
(1,162)	1:A:78:LEU:HD22	1:A:92:PHE:HZ	8	0.85
(1,162)	1:A:78:LEU:HD21	1:A:92:PHE:HZ	8	0.85
(1,162)	1:A:78:LEU:HD23	1:A:92:PHE:HZ	8	0.85
(1,1123)	1:A:87:SER:H	1:A:79:LYS:HD3	5	0.85
(1,735)	1:A:79:LYS:HD3	1:A:79:LYS:HA	4	0.84
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG22	1	0.84
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG21	1	0.84
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG23	1	0.84
(1,535)	1:A:150:PRO:HA	1:A:116:GLU:HG3	10	0.84
(1,511)	1:A:139:PRO:HD2	1:A:138:THR:HB	5	0.84
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG22	5	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG21	5	0.84
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG23	5	0.84
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG22	5	0.84
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG21	5	0.84
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG23	5	0.84
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG22	5	0.84
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG21	5	0.84
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG23	5	0.84
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG22	5	0.84
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG21	5	0.84
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG23	5	0.84
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG22	5	0.84
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG21	5	0.84
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG23	5	0.84
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG22	5	0.84
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG21	5	0.84
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG23	5	0.84
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD1	4	0.84
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD2	4	0.84
(1,3132)	2:B:1:ASP:H	2:B:2:SER:H	10	0.84
(1,247)	1:A:103:GLN:HG2	1:A:100:GLN:HE22	7	0.84
(1,2357)	2:C:49:GLU:HG2	2:C:49:GLU:H	5	0.84
(1,2299)	2:C:19:ILE:HA	2:C:22:LYS:HD3	4	0.84
(1,2299)	2:C:19:ILE:HA	2:C:22:LYS:HD3	7	0.84
(1,157)	1:A:99:LEU:HD22	1:A:103:GLN:HE22	10	0.84
(1,157)	1:A:99:LEU:HD21	1:A:103:GLN:HE22	10	0.84
(1,157)	1:A:99:LEU:HD23	1:A:103:GLN:HE22	10	0.84
(1,150)	1:A:78:LEU:HD12	1:A:92:PHE:HZ	9	0.84
(1,150)	1:A:78:LEU:HD11	1:A:92:PHE:HZ	9	0.84
(1,150)	1:A:78:LEU:HD13	1:A:92:PHE:HZ	9	0.84
(1,1159)	1:A:152:LEU:HG	1:A:152:LEU:H	6	0.84
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD22	10	0.83
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD21	10	0.83
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD23	10	0.83
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG22	6	0.83
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG21	6	0.83
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG23	6	0.83
(1,697)	1:A:79:LYS:HE3	1:A:79:LYS:HG3	7	0.83
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB2	7	0.83
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB1	7	0.83
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB3	7	0.83
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB2	7	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB1	7	0.83
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB3	7	0.83
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB2	7	0.83
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB1	7	0.83
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB3	7	0.83
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB2	7	0.83
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB1	7	0.83
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB3	7	0.83
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB2	7	0.83
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB1	7	0.83
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB3	7	0.83
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB2	7	0.83
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB1	7	0.83
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB3	7	0.83
(1,3118)	2:B:48:ARG:HB3	2:B:49:GLU:H	9	0.83
(1,2158)	2:B:13:VAL:HG22	2:B:48:ARG:HD3	1	0.83
(1,2158)	2:B:13:VAL:HG21	2:B:48:ARG:HD3	1	0.83
(1,2158)	2:B:13:VAL:HG23	2:B:48:ARG:HD3	1	0.83
(1,2115)	2:C:13:VAL:HG22	2:C:48:ARG:HG2	8	0.83
(1,2115)	2:C:13:VAL:HG21	2:C:48:ARG:HG2	8	0.83
(1,2115)	2:C:13:VAL:HG23	2:C:48:ARG:HG2	8	0.83
(1,2114)	2:B:13:VAL:HG22	2:B:48:ARG:HG2	5	0.83
(1,2114)	2:B:13:VAL:HG21	2:B:48:ARG:HG2	5	0.83
(1,2114)	2:B:13:VAL:HG23	2:B:48:ARG:HG2	5	0.83
(1,2062)	2:B:55:LEU:HD22	2:B:14:ASN:HB2	10	0.83
(1,2062)	2:B:55:LEU:HD21	2:B:14:ASN:HB2	10	0.83
(1,2062)	2:B:55:LEU:HD23	2:B:14:ASN:HB2	10	0.83
(1,2043)	2:C:5:LYS:HD3	2:C:44:PHE:HZ	4	0.83
(1,2038)	2:B:5:LYS:HB3	2:B:44:PHE:HZ	7	0.83
(1,1614)	1:A:90:HIS:HB2	1:A:76:LEU:HD12	3	0.83
(1,1614)	1:A:90:HIS:HB2	1:A:76:LEU:HD11	3	0.83
(1,1614)	1:A:90:HIS:HB2	1:A:76:LEU:HD13	3	0.83
(1,1614)	1:A:147:MET:HG2	1:A:146:VAL:HG22	3	0.83
(1,1614)	1:A:147:MET:HG2	1:A:146:VAL:HG21	3	0.83
(1,1614)	1:A:147:MET:HG2	1:A:146:VAL:HG23	3	0.83
(1,1614)	1:A:150:PRO:HB2	1:A:148:ILE:HG22	3	0.83
(1,1614)	1:A:150:PRO:HB2	1:A:148:ILE:HG21	3	0.83
(1,1614)	1:A:150:PRO:HB2	1:A:148:ILE:HG23	3	0.83
(1,1614)	1:A:150:PRO:HB2	1:A:152:LEU:HD12	3	0.83
(1,1614)	1:A:150:PRO:HB2	1:A:152:LEU:HD11	3	0.83
(1,1614)	1:A:150:PRO:HB2	1:A:152:LEU:HD13	3	0.83
(1,151)	1:A:135:LEU:HD12	1:A:135:LEU:H	7	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:A:135:LEU:HD11	1:A:135:LEU:H	7	0.83
(1,151)	1:A:135:LEU:HD13	1:A:135:LEU:H	7	0.83
(3,33)	1:A:149:LYS:H	1:A:116:GLU:O	3	0.82
(1,958)	1:A:121:LEU:H	1:A:126:LEU:HB3	1	0.82
(1,717)	1:A:120:LEU:HG	1:A:125:VAL:HA	10	0.82
(1,703)	1:A:122:LYS:HE3	1:A:141:ASN:HD22	9	0.82
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG22	5	0.82
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG21	5	0.82
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG23	5	0.82
(1,3932)	2:B:18:SER:HB3	2:B:15:TYR:HB3	4	0.82
(1,3932)	2:B:18:SER:HB3	2:B:22:LYS:HE3	4	0.82
(1,3573)	2:C:33:LEU:HD22	2:C:19:ILE:HB	6	0.82
(1,3573)	2:C:33:LEU:HD21	2:C:19:ILE:HB	6	0.82
(1,3573)	2:C:33:LEU:HD23	2:C:19:ILE:HB	6	0.82
(1,3573)	2:C:33:LEU:HD22	2:B:5:LYS:HB3	6	0.82
(1,3573)	2:C:33:LEU:HD21	2:B:5:LYS:HB3	6	0.82
(1,3573)	2:C:33:LEU:HD23	2:B:5:LYS:HB3	6	0.82
(1,3545)	2:C:51:VAL:HG22	2:C:47:GLU:HB2	9	0.82
(1,3545)	2:C:51:VAL:HG21	2:C:47:GLU:HB2	9	0.82
(1,3545)	2:C:51:VAL:HG23	2:C:47:GLU:HB2	9	0.82
(1,3545)	2:C:51:VAL:HG22	2:C:48:ARG:HB3	9	0.82
(1,3545)	2:C:51:VAL:HG21	2:C:48:ARG:HB3	9	0.82
(1,3545)	2:C:51:VAL:HG23	2:C:48:ARG:HB3	9	0.82
(1,3221)	2:C:34:ASN:HA	2:C:17:SER:H	9	0.82
(1,3044)	2:B:47:GLU:HB2	2:B:50:ALA:H	4	0.82
(1,229)	1:A:118:LYS:HB2	1:A:118:LYS:HE3	9	0.82
(1,2210)	2:B:22:LYS:HA	2:B:24:GLU:HB2	1	0.82
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG22	7	0.82
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG21	7	0.82
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG23	7	0.82
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG22	7	0.82
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG21	7	0.82
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG23	7	0.82
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG22	7	0.82
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG21	7	0.82
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG23	7	0.82
(1,2062)	2:B:55:LEU:HD22	2:B:14:ASN:HB2	4	0.82
(1,2062)	2:B:55:LEU:HD21	2:B:14:ASN:HB2	4	0.82
(1,2062)	2:B:55:LEU:HD23	2:B:14:ASN:HB2	4	0.82
(1,2012)	2:B:47:GLU:HG3	2:B:47:GLU:H	4	0.82
(1,1670)	1:A:124:LYS:HE3	1:A:126:LEU:HA	5	0.82
(1,1670)	1:A:135:LEU:HA	1:A:124:LYS:HE3	5	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1670)	1:A:136:LYS:HE3	1:A:133:SER:HA	5	0.82
(1,1670)	1:A:136:LYS:HA	1:A:136:LYS:HE3	5	0.82
(1,1653)	1:A:126:LEU:HD12	1:A:124:LYS:HD3	4	0.82
(1,1653)	1:A:126:LEU:HD11	1:A:124:LYS:HD3	4	0.82
(1,1653)	1:A:126:LEU:HD13	1:A:124:LYS:HD3	4	0.82
(1,1653)	1:A:126:LEU:HD12	1:A:126:LEU:HB3	4	0.82
(1,1653)	1:A:126:LEU:HD11	1:A:126:LEU:HB3	4	0.82
(1,1653)	1:A:126:LEU:HD13	1:A:126:LEU:HB3	4	0.82
(1,1041)	1:A:108:GLU:HG3	1:A:108:GLU:H	3	0.82
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG22	6	0.81
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG21	6	0.81
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG23	6	0.81
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG22	6	0.81
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG21	6	0.81
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG23	6	0.81
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG22	6	0.81
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG21	6	0.81
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG23	6	0.81
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG22	6	0.81
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG21	6	0.81
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG23	6	0.81
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG22	6	0.81
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG21	6	0.81
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG23	6	0.81
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG22	6	0.81
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG21	6	0.81
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG23	6	0.81
(1,3133)	2:C:1:ASP:H	2:C:2:SER:H	10	0.81
(1,3069)	2:C:39:CYS:H	2:C:35:VAL:HB	1	0.81
(1,3069)	2:C:39:CYS:H	2:C:35:VAL:HB	7	0.81
(1,3069)	2:C:39:CYS:H	2:C:35:VAL:HB	10	0.81
(1,2882)	2:B:13:VAL:HG12	2:B:41:SER:HB3	3	0.81
(1,2882)	2:B:13:VAL:HG11	2:B:41:SER:HB3	3	0.81
(1,2882)	2:B:13:VAL:HG13	2:B:41:SER:HB3	3	0.81
(1,2693)	2:C:50:ALA:HB2	2:C:47:GLU:HB2	3	0.81
(1,2693)	2:C:50:ALA:HB1	2:C:47:GLU:HB2	3	0.81
(1,2693)	2:C:50:ALA:HB3	2:C:47:GLU:HB2	3	0.81
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG12	7	0.81
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG11	7	0.81
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG13	7	0.81
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG12	7	0.81
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG11	7	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG13	7	0.81
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG12	7	0.81
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG11	7	0.81
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG13	7	0.81
(1,2617)	2:C:51:VAL:HG22	2:C:46:PHE:HZ	1	0.81
(1,2617)	2:C:51:VAL:HG21	2:C:46:PHE:HZ	1	0.81
(1,2617)	2:C:51:VAL:HG23	2:C:46:PHE:HZ	1	0.81
(1,2251)	2:C:11:LEU:HA	2:C:55:LEU:HB3	2	0.81
(1,2242)	2:B:11:LEU:HA	2:B:54:ILE:HB	2	0.81
(1,2242)	2:B:11:LEU:HA	2:B:54:ILE:HB	7	0.81
(1,1557)	1:A:81:ILE:HA	1:A:79:LYS:HD3	7	0.81
(1,1557)	1:A:81:ILE:HA	1:A:85:LYS:HD3	7	0.81
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD22	8	0.8
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD21	8	0.8
(1,778)	1:A:128:ASP:HB2	1:A:99:LEU:HD23	8	0.8
(1,732)	1:A:81:ILE:HA	1:A:79:LYS:HD3	8	0.8
(1,707)	1:A:122:LYS:HE3	1:A:143:THR:HG21	6	0.8
(1,707)	1:A:122:LYS:HE3	1:A:143:THR:HG22	6	0.8
(1,707)	1:A:122:LYS:HE3	1:A:143:THR:HG23	6	0.8
(1,396)	1:A:80:LYS:HD2	1:A:86:PHE:HZ	10	0.8
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG22	3	0.8
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG21	3	0.8
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG23	3	0.8
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG22	3	0.8
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG21	3	0.8
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG23	3	0.8
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG22	3	0.8
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG21	3	0.8
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG23	3	0.8
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG22	3	0.8
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG21	3	0.8
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG23	3	0.8
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG22	3	0.8
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG21	3	0.8
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG23	3	0.8
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG22	3	0.8
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG21	3	0.8
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG23	3	0.8
(1,3421)	2:C:51:VAL:H	2:C:54:ILE:HG12	8	0.8
(1,2882)	2:B:13:VAL:HG12	2:B:41:SER:HB3	4	0.8
(1,2882)	2:B:13:VAL:HG11	2:B:41:SER:HB3	4	0.8
(1,2882)	2:B:13:VAL:HG13	2:B:41:SER:HB3	4	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2882)	2:B:13:VAL:HG12	2:B:41:SER:HB3	6	0.8
(1,2882)	2:B:13:VAL:HG11	2:B:41:SER:HB3	6	0.8
(1,2882)	2:B:13:VAL:HG13	2:B:41:SER:HB3	6	0.8
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG12	3	0.8
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG11	3	0.8
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG13	3	0.8
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG12	3	0.8
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG11	3	0.8
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG13	3	0.8
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG12	3	0.8
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG11	3	0.8
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG13	3	0.8
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB2	5	0.8
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB1	5	0.8
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB3	5	0.8
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB2	5	0.8
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB1	5	0.8
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB3	5	0.8
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB2	5	0.8
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB1	5	0.8
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB3	5	0.8
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB2	7	0.8
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB1	7	0.8
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB3	7	0.8
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB2	7	0.8
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB1	7	0.8
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB3	7	0.8
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB2	7	0.8
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB1	7	0.8
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB3	7	0.8
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB2	10	0.8
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB1	10	0.8
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB3	10	0.8
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB2	10	0.8
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB1	10	0.8
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB3	10	0.8
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB2	10	0.8
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB1	10	0.8
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB3	10	0.8
(1,2211)	2:C:22:LYS:HA	2:C:24:GLU:HB2	5	0.8
(1,2158)	2:B:13:VAL:HG22	2:B:48:ARG:HD3	10	0.8
(1,2158)	2:B:13:VAL:HG21	2:B:48:ARG:HD3	10	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2158)	2:B:13:VAL:HG23	2:B:48:ARG:HD3	10	0.8
(1,185)	1:A:130:LEU:HD22	1:A:131:PHE:H	2	0.8
(1,185)	1:A:130:LEU:HD21	1:A:131:PHE:H	2	0.8
(1,185)	1:A:130:LEU:HD23	1:A:131:PHE:H	2	0.8
(1,185)	1:A:130:LEU:HD22	1:A:131:PHE:H	10	0.8
(1,185)	1:A:130:LEU:HD21	1:A:131:PHE:H	10	0.8
(1,185)	1:A:130:LEU:HD23	1:A:131:PHE:H	10	0.8
(1,791)	1:A:136:LYS:HG3	1:A:136:LYS:HE3	10	0.79
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB2	3	0.79
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB3	3	0.79
(1,4081)	2:C:13:VAL:H	2:C:41:SER:HA	3	0.79
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG22	7	0.79
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG21	7	0.79
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG23	7	0.79
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG22	7	0.79
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG21	7	0.79
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG23	7	0.79
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG22	7	0.79
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG21	7	0.79
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG23	7	0.79
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG22	7	0.79
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG21	7	0.79
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG23	7	0.79
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG22	7	0.79
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG21	7	0.79
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG23	7	0.79
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG22	7	0.79
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG21	7	0.79
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG23	7	0.79
(1,3573)	2:C:33:LEU:HD22	2:C:19:ILE:HB	7	0.79
(1,3573)	2:C:33:LEU:HD21	2:C:19:ILE:HB	7	0.79
(1,3573)	2:C:33:LEU:HD23	2:C:19:ILE:HB	7	0.79
(1,3573)	2:C:33:LEU:HD22	2:B:5:LYS:HB3	7	0.79
(1,3573)	2:C:33:LEU:HD21	2:B:5:LYS:HB3	7	0.79
(1,3573)	2:C:33:LEU:HD23	2:B:5:LYS:HB3	7	0.79
(1,3543)	2:C:51:VAL:HG22	2:C:13:VAL:HB	4	0.79
(1,3543)	2:C:51:VAL:HG21	2:C:13:VAL:HB	4	0.79
(1,3543)	2:C:51:VAL:HG23	2:C:13:VAL:HB	4	0.79
(1,3543)	2:C:51:VAL:HG22	2:C:49:GLU:HG3	4	0.79
(1,3543)	2:C:51:VAL:HG21	2:C:49:GLU:HG3	4	0.79
(1,3543)	2:C:51:VAL:HG23	2:C:49:GLU:HG3	4	0.79
(1,3543)	2:C:51:VAL:HG22	2:C:13:VAL:HB	7	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3543)	2:C:51:VAL:HG21	2:C:13:VAL:HB	7	0.79
(1,3543)	2:C:51:VAL:HG23	2:C:13:VAL:HB	7	0.79
(1,3543)	2:C:51:VAL:HG22	2:C:49:GLU:HG3	7	0.79
(1,3543)	2:C:51:VAL:HG21	2:C:49:GLU:HG3	7	0.79
(1,3543)	2:C:51:VAL:HG23	2:C:49:GLU:HG3	7	0.79
(1,35)	1:A:106:ILE:HD12	1:A:113:HIS:HA	7	0.79
(1,35)	1:A:106:ILE:HD11	1:A:113:HIS:HA	7	0.79
(1,35)	1:A:106:ILE:HD13	1:A:113:HIS:HA	7	0.79
(1,3183)	2:C:12:ILE:HD12	2:C:9:ALA:H	3	0.79
(1,3183)	2:C:12:ILE:HD11	2:C:9:ALA:H	3	0.79
(1,3183)	2:C:12:ILE:HD13	2:C:9:ALA:H	3	0.79
(1,2775)	2:C:71:SER:HB3	2:C:68:ILE:H	10	0.79
(1,2641)	2:C:33:LEU:HD12	2:C:20:VAL:HG12	1	0.79
(1,2641)	2:C:33:LEU:HD12	2:C:20:VAL:HG11	1	0.79
(1,2641)	2:C:33:LEU:HD12	2:C:20:VAL:HG13	1	0.79
(1,2641)	2:C:33:LEU:HD11	2:C:20:VAL:HG12	1	0.79
(1,2641)	2:C:33:LEU:HD11	2:C:20:VAL:HG11	1	0.79
(1,2641)	2:C:33:LEU:HD11	2:C:20:VAL:HG13	1	0.79
(1,2641)	2:C:33:LEU:HD13	2:C:20:VAL:HG12	1	0.79
(1,2641)	2:C:33:LEU:HD13	2:C:20:VAL:HG11	1	0.79
(1,2641)	2:C:33:LEU:HD13	2:C:20:VAL:HG13	1	0.79
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG12	1	0.79
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG11	1	0.79
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG13	1	0.79
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG12	1	0.79
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG11	1	0.79
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG13	1	0.79
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG12	1	0.79
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG11	1	0.79
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG13	1	0.79
(1,2553)	2:C:35:VAL:HG12	2:C:37:MET:HB3	1	0.79
(1,2553)	2:C:35:VAL:HG11	2:C:37:MET:HB3	1	0.79
(1,2553)	2:C:35:VAL:HG13	2:C:37:MET:HB3	1	0.79
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB2	4	0.79
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB1	4	0.79
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB3	4	0.79
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB2	4	0.79
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB1	4	0.79
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB3	4	0.79
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB2	4	0.79
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB1	4	0.79
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB3	4	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2388)	2:B:20:VAL:HG22	2:B:34:ASN:HD22	1	0.79
(1,2388)	2:B:20:VAL:HG21	2:B:34:ASN:HD22	1	0.79
(1,2388)	2:B:20:VAL:HG23	2:B:34:ASN:HD22	1	0.79
(1,2088)	2:B:8:ILE:HD12	2:C:19:ILE:HG12	1	0.79
(1,2088)	2:B:8:ILE:HD11	2:C:19:ILE:HG12	1	0.79
(1,2088)	2:B:8:ILE:HD13	2:C:19:ILE:HG12	1	0.79
(1,1446)	1:A:97:THR:HG21	1:A:96:ASP:HB3	6	0.79
(1,1446)	1:A:97:THR:HG22	1:A:96:ASP:HB3	6	0.79
(1,1446)	1:A:97:THR:HG23	1:A:96:ASP:HB3	6	0.79
(1,1446)	1:A:97:THR:HG21	1:A:100:GLN:HG3	6	0.79
(1,1446)	1:A:97:THR:HG22	1:A:100:GLN:HG3	6	0.79
(1,1446)	1:A:97:THR:HG23	1:A:100:GLN:HG3	6	0.79
(1,898)	1:A:85:LYS:HB3	1:A:86:PHE:H	3	0.78
(1,736)	1:A:114:ILE:HG12	1:A:102:LYS:HB3	2	0.78
(1,734)	1:A:87:SER:HA	1:A:79:LYS:HD3	3	0.78
(1,707)	1:A:122:LYS:HE3	1:A:143:THR:HG21	8	0.78
(1,707)	1:A:122:LYS:HE3	1:A:143:THR:HG22	8	0.78
(1,707)	1:A:122:LYS:HE3	1:A:143:THR:HG23	8	0.78
(1,695)	1:A:79:LYS:HE3	1:A:81:ILE:HB	2	0.78
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG22	6	0.78
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG21	6	0.78
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG23	6	0.78
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG22	6	0.78
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG21	6	0.78
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG23	6	0.78
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG22	6	0.78
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG21	6	0.78
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG23	6	0.78
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG22	6	0.78
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG21	6	0.78
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG23	6	0.78
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG22	6	0.78
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG21	6	0.78
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG23	6	0.78
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG22	6	0.78
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG21	6	0.78
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG23	6	0.78
(1,3543)	2:C:51:VAL:HG22	2:C:13:VAL:HB	1	0.78
(1,3543)	2:C:51:VAL:HG21	2:C:13:VAL:HB	1	0.78
(1,3543)	2:C:51:VAL:HG23	2:C:13:VAL:HB	1	0.78
(1,3543)	2:C:51:VAL:HG22	2:C:49:GLU:HG3	1	0.78
(1,3543)	2:C:51:VAL:HG21	2:C:49:GLU:HG3	1	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3543)	2:C:51:VAL:HG23	2:C:49:GLU:HG3	1	0.78
(1,3543)	2:C:51:VAL:HG22	2:C:13:VAL:HB	6	0.78
(1,3543)	2:C:51:VAL:HG21	2:C:13:VAL:HB	6	0.78
(1,3543)	2:C:51:VAL:HG23	2:C:13:VAL:HB	6	0.78
(1,3543)	2:C:51:VAL:HG22	2:C:49:GLU:HG3	6	0.78
(1,3543)	2:C:51:VAL:HG21	2:C:49:GLU:HG3	6	0.78
(1,3543)	2:C:51:VAL:HG23	2:C:49:GLU:HG3	6	0.78
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD1	8	0.78
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD2	8	0.78
(1,3221)	2:C:34:ASN:HA	2:C:17:SER:H	10	0.78
(1,2883)	2:C:13:VAL:HG12	2:C:41:SER:HB3	5	0.78
(1,2883)	2:C:13:VAL:HG11	2:C:41:SER:HB3	5	0.78
(1,2883)	2:C:13:VAL:HG13	2:C:41:SER:HB3	5	0.78
(1,2595)	2:C:57:LYS:HB3	2:B:68:ILE:HG13	8	0.78
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB2	4	0.78
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB1	4	0.78
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB3	4	0.78
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB2	4	0.78
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB1	4	0.78
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB3	4	0.78
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB2	4	0.78
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB1	4	0.78
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB3	4	0.78
(1,2357)	2:C:49:GLU:HG2	2:C:49:GLU:H	10	0.78
(1,229)	1:A:118:LYS:HB2	1:A:118:LYS:HE3	7	0.78
(1,2205)	2:C:22:LYS:HG2	2:C:22:LYS:HA	5	0.78
(1,2127)	2:C:54:ILE:HB	2:C:13:VAL:HG22	9	0.78
(1,2127)	2:C:54:ILE:HB	2:C:13:VAL:HG21	9	0.78
(1,2127)	2:C:54:ILE:HB	2:C:13:VAL:HG23	9	0.78
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG22	10	0.78
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG21	10	0.78
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG23	10	0.78
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG22	10	0.78
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG21	10	0.78
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG23	10	0.78
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG22	10	0.78
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG21	10	0.78
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG23	10	0.78
(1,2062)	2:B:55:LEU:HD22	2:B:14:ASN:HB2	3	0.78
(1,2062)	2:B:55:LEU:HD21	2:B:14:ASN:HB2	3	0.78
(1,2062)	2:B:55:LEU:HD23	2:B:14:ASN:HB2	3	0.78
(1,185)	1:A:130:LEU:HD22	1:A:131:PHE:H	5	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,185)	1:A:130:LEU:HD21	1:A:131:PHE:H	5	0.78
(1,185)	1:A:130:LEU:HD23	1:A:131:PHE:H	5	0.78
(1,1653)	1:A:126:LEU:HD12	1:A:124:LYS:HD3	5	0.78
(1,1653)	1:A:126:LEU:HD11	1:A:124:LYS:HD3	5	0.78
(1,1653)	1:A:126:LEU:HD13	1:A:124:LYS:HD3	5	0.78
(1,1653)	1:A:126:LEU:HD12	1:A:126:LEU:HB3	5	0.78
(1,1653)	1:A:126:LEU:HD11	1:A:126:LEU:HB3	5	0.78
(1,1653)	1:A:126:LEU:HD13	1:A:126:LEU:HB3	5	0.78
(1,1653)	1:A:126:LEU:HD12	1:A:124:LYS:HD3	10	0.78
(1,1653)	1:A:126:LEU:HD11	1:A:124:LYS:HD3	10	0.78
(1,1653)	1:A:126:LEU:HD13	1:A:124:LYS:HD3	10	0.78
(1,1653)	1:A:126:LEU:HD12	1:A:126:LEU:HB3	10	0.78
(1,1653)	1:A:126:LEU:HD11	1:A:126:LEU:HB3	10	0.78
(1,1653)	1:A:126:LEU:HD13	1:A:126:LEU:HB3	10	0.78
(3,33)	1:A:149:LYS:H	1:A:116:GLU:O	7	0.77
(1,54)	1:A:81:ILE:HD12	1:A:82:GLN:H	5	0.77
(1,54)	1:A:81:ILE:HD11	1:A:82:GLN:H	5	0.77
(1,54)	1:A:81:ILE:HD13	1:A:82:GLN:H	5	0.77
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB2	8	0.77
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB3	8	0.77
(1,4081)	2:C:13:VAL:H	2:C:41:SER:HA	8	0.77
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG22	1	0.77
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG21	1	0.77
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG23	1	0.77
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG22	1	0.77
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG21	1	0.77
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG23	1	0.77
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG22	1	0.77
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG21	1	0.77
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG23	1	0.77
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG22	1	0.77
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG21	1	0.77
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG23	1	0.77
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG22	1	0.77
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG21	1	0.77
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG23	1	0.77
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG22	1	0.77
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG21	1	0.77
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG23	1	0.77
(1,2698)	2:B:54:ILE:HG22	2:B:6:GLU:HG3	1	0.77
(1,2698)	2:B:54:ILE:HG21	2:B:6:GLU:HG3	1	0.77
(1,2698)	2:B:54:ILE:HG23	2:B:6:GLU:HG3	1	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG12	2	0.77
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG11	2	0.77
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG13	2	0.77
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG12	2	0.77
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG11	2	0.77
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG13	2	0.77
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG12	2	0.77
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG11	2	0.77
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG13	2	0.77
(1,2594)	2:B:57:LYS:HB3	2:C:68:ILE:HG13	8	0.77
(1,2544)	2:B:51:VAL:HG12	2:B:55:LEU:HG	10	0.77
(1,2544)	2:B:51:VAL:HG11	2:B:55:LEU:HG	10	0.77
(1,2544)	2:B:51:VAL:HG13	2:B:55:LEU:HG	10	0.77
(1,2242)	2:B:11:LEU:HA	2:B:54:ILE:HB	8	0.77
(1,2064)	2:B:55:LEU:HD22	2:B:51:VAL:HB	1	0.77
(1,2064)	2:B:55:LEU:HD21	2:B:51:VAL:HB	1	0.77
(1,2064)	2:B:55:LEU:HD23	2:B:51:VAL:HB	1	0.77
(1,2061)	2:C:55:LEU:HD22	2:C:14:ASN:H	4	0.77
(1,2061)	2:C:55:LEU:HD21	2:C:14:ASN:H	4	0.77
(1,2061)	2:C:55:LEU:HD23	2:C:14:ASN:H	4	0.77
(1,8)	1:A:120:LEU:HD12	1:A:147:MET:HG3	6	0.76
(1,8)	1:A:120:LEU:HD11	1:A:147:MET:HG3	6	0.76
(1,8)	1:A:120:LEU:HD13	1:A:147:MET:HG3	6	0.76
(1,734)	1:A:87:SER:HA	1:A:79:LYS:HD3	8	0.76
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG22	7	0.76
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG21	7	0.76
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG23	7	0.76
(1,47)	1:A:88:ILE:HD12	1:A:105:LEU:HA	10	0.76
(1,47)	1:A:88:ILE:HD11	1:A:105:LEU:HA	10	0.76
(1,47)	1:A:88:ILE:HD13	1:A:105:LEU:HA	10	0.76
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB2	8	0.76
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB3	8	0.76
(1,4080)	2:B:13:VAL:H	2:B:41:SER:HA	8	0.76
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG22	2	0.76
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG21	2	0.76
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG23	2	0.76
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG22	2	0.76
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG21	2	0.76
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG23	2	0.76
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG22	2	0.76
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG21	2	0.76
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG23	2	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG22	2	0.76
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG21	2	0.76
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG23	2	0.76
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG22	2	0.76
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG21	2	0.76
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG23	2	0.76
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG22	2	0.76
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG21	2	0.76
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG23	2	0.76
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG22	8	0.76
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG21	8	0.76
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG23	8	0.76
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG22	8	0.76
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG21	8	0.76
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG23	8	0.76
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG22	8	0.76
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG21	8	0.76
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG23	8	0.76
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG22	8	0.76
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG21	8	0.76
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG23	8	0.76
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG22	8	0.76
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG21	8	0.76
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG23	8	0.76
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG22	8	0.76
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG21	8	0.76
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG23	8	0.76
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG22	10	0.76
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG21	10	0.76
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG23	10	0.76
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG22	10	0.76
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG21	10	0.76
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG23	10	0.76
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG22	10	0.76
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG21	10	0.76
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG23	10	0.76
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG22	10	0.76
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG21	10	0.76
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG23	10	0.76
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG22	10	0.76
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG21	10	0.76
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG23	10	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG22	10	0.76
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG21	10	0.76
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG23	10	0.76
(1,3572)	2:B:33:LEU:HD22	2:B:19:ILE:HB	10	0.76
(1,3572)	2:B:33:LEU:HD21	2:B:19:ILE:HB	10	0.76
(1,3572)	2:B:33:LEU:HD23	2:B:19:ILE:HB	10	0.76
(1,3572)	2:B:33:LEU:HD22	2:C:5:LYS:HB3	10	0.76
(1,3572)	2:B:33:LEU:HD21	2:C:5:LYS:HB3	10	0.76
(1,3572)	2:B:33:LEU:HD23	2:C:5:LYS:HB3	10	0.76
(1,3119)	2:C:48:ARG:HB3	2:C:49:GLU:H	10	0.76
(1,3069)	2:C:39:CYS:H	2:C:35:VAL:HB	8	0.76
(1,2882)	2:B:13:VAL:HG12	2:B:41:SER:HB3	1	0.76
(1,2882)	2:B:13:VAL:HG11	2:B:41:SER:HB3	1	0.76
(1,2882)	2:B:13:VAL:HG13	2:B:41:SER:HB3	1	0.76
(1,2882)	2:B:13:VAL:HG12	2:B:41:SER:HB3	10	0.76
(1,2882)	2:B:13:VAL:HG11	2:B:41:SER:HB3	10	0.76
(1,2882)	2:B:13:VAL:HG13	2:B:41:SER:HB3	10	0.76
(1,2616)	2:B:51:VAL:HG22	2:B:46:PHE:HZ	9	0.76
(1,2616)	2:B:51:VAL:HG21	2:B:46:PHE:HZ	9	0.76
(1,2616)	2:B:51:VAL:HG23	2:B:46:PHE:HZ	9	0.76
(1,185)	1:A:130:LEU:HD22	1:A:131:PHE:H	7	0.76
(1,185)	1:A:130:LEU:HD21	1:A:131:PHE:H	7	0.76
(1,185)	1:A:130:LEU:HD23	1:A:131:PHE:H	7	0.76
(1,1809)	1:A:103:GLN:HE22	1:A:99:LEU:HD12	8	0.76
(1,1809)	1:A:103:GLN:HE22	1:A:99:LEU:HD11	8	0.76
(1,1809)	1:A:103:GLN:HE22	1:A:99:LEU:HD13	8	0.76
(1,1809)	1:A:103:GLN:HE22	1:A:114:ILE:HG22	8	0.76
(1,1809)	1:A:103:GLN:HE22	1:A:114:ILE:HG21	8	0.76
(1,1809)	1:A:103:GLN:HE22	1:A:114:ILE:HG23	8	0.76
(1,1198)	1:A:113:HIS:H	1:A:116:GLU:HB3	10	0.76
(1,695)	1:A:79:LYS:HE3	1:A:81:ILE:HB	7	0.75
(1,3935)	2:C:55:LEU:HD12	2:C:6:GLU:HB2	2	0.75
(1,3935)	2:C:55:LEU:HD11	2:C:6:GLU:HB2	2	0.75
(1,3935)	2:C:55:LEU:HD13	2:C:6:GLU:HB2	2	0.75
(1,3935)	2:C:55:LEU:HD12	2:C:7:GLU:HG2	2	0.75
(1,3935)	2:C:55:LEU:HD11	2:C:7:GLU:HG2	2	0.75
(1,3935)	2:C:55:LEU:HD13	2:C:7:GLU:HG2	2	0.75
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG22	4	0.75
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG21	4	0.75
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG23	4	0.75
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG22	4	0.75
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG21	4	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG23	4	0.75
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG22	4	0.75
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG21	4	0.75
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG23	4	0.75
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG22	4	0.75
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG21	4	0.75
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG23	4	0.75
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG22	4	0.75
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG21	4	0.75
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG23	4	0.75
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG22	4	0.75
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG21	4	0.75
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG23	4	0.75
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD1	7	0.75
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD2	7	0.75
(1,2490)	2:B:54:ILE:HG22	2:B:7:GLU:HG2	8	0.75
(1,2490)	2:B:54:ILE:HG21	2:B:7:GLU:HG2	8	0.75
(1,2490)	2:B:54:ILE:HG23	2:B:7:GLU:HG2	8	0.75
(1,2243)	2:C:11:LEU:HA	2:C:54:ILE:HB	10	0.75
(1,2210)	2:B:22:LYS:HA	2:B:24:GLU:HB2	9	0.75
(1,2179)	2:C:9:ALA:HA	2:C:12:ILE:HD12	8	0.75
(1,2179)	2:C:9:ALA:HA	2:C:12:ILE:HD11	8	0.75
(1,2179)	2:C:9:ALA:HA	2:C:12:ILE:HD13	8	0.75
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG22	8	0.75
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG21	8	0.75
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG23	8	0.75
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG22	8	0.75
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG21	8	0.75
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG23	8	0.75
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG22	8	0.75
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG21	8	0.75
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG23	8	0.75
(1,2063)	2:C:55:LEU:HD22	2:C:14:ASN:HB2	2	0.75
(1,2063)	2:C:55:LEU:HD21	2:C:14:ASN:HB2	2	0.75
(1,2063)	2:C:55:LEU:HD23	2:C:14:ASN:HB2	2	0.75
(1,2061)	2:C:55:LEU:HD22	2:C:14:ASN:H	5	0.75
(1,2061)	2:C:55:LEU:HD21	2:C:14:ASN:H	5	0.75
(1,2061)	2:C:55:LEU:HD23	2:C:14:ASN:H	5	0.75
(1,1670)	1:A:124:LYS:HE3	1:A:126:LEU:HA	2	0.75
(1,1670)	1:A:135:LEU:HA	1:A:124:LYS:HE3	2	0.75
(1,1670)	1:A:136:LYS:HE3	1:A:133:SER:HA	2	0.75
(1,1670)	1:A:136:LYS:HA	1:A:136:LYS:HE3	2	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1593)	1:A:142:SER:HB2	1:A:74:VAL:HB	6	0.75
(1,1593)	1:A:142:SER:HB2	1:A:137:VAL:HB	6	0.75
(1,1545)	1:A:135:LEU:HA	1:A:124:LYS:HE3	5	0.75
(1,1545)	1:A:135:LEU:HA	1:A:134:ASP:HB2	5	0.75
(1,1545)	1:A:136:LYS:HA	1:A:136:LYS:HE3	5	0.75
(1,151)	1:A:135:LEU:HD12	1:A:135:LEU:H	1	0.75
(1,151)	1:A:135:LEU:HD11	1:A:135:LEU:H	1	0.75
(1,151)	1:A:135:LEU:HD13	1:A:135:LEU:H	1	0.75
(1,147)	1:A:132:LEU:HD22	1:A:98:ILE:H	5	0.75
(1,147)	1:A:132:LEU:HD21	1:A:98:ILE:H	5	0.75
(1,147)	1:A:132:LEU:HD23	1:A:98:ILE:H	5	0.75
(1,1140)	1:A:82:GLN:HG2	1:A:82:GLN:H	4	0.75
(1,1140)	1:A:82:GLN:HG2	1:A:82:GLN:H	7	0.75
(1,804)	1:A:121:LEU:HD22	1:A:141:ASN:HD21	7	0.74
(1,804)	1:A:121:LEU:HD21	1:A:141:ASN:HD21	7	0.74
(1,804)	1:A:121:LEU:HD23	1:A:141:ASN:HD21	7	0.74
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG22	3	0.74
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG21	3	0.74
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG23	3	0.74
(1,56)	1:A:114:ILE:HD12	1:A:103:GLN:HE21	4	0.74
(1,56)	1:A:114:ILE:HD11	1:A:103:GLN:HE21	4	0.74
(1,56)	1:A:114:ILE:HD13	1:A:103:GLN:HE21	4	0.74
(1,54)	1:A:81:ILE:HD12	1:A:82:GLN:H	9	0.74
(1,54)	1:A:81:ILE:HD11	1:A:82:GLN:H	9	0.74
(1,54)	1:A:81:ILE:HD13	1:A:82:GLN:H	9	0.74
(1,535)	1:A:150:PRO:HA	1:A:116:GLU:HG3	1	0.74
(1,47)	1:A:88:ILE:HD12	1:A:105:LEU:HA	2	0.74
(1,47)	1:A:88:ILE:HD11	1:A:105:LEU:HA	2	0.74
(1,47)	1:A:88:ILE:HD13	1:A:105:LEU:HA	2	0.74
(1,3220)	2:B:34:ASN:HA	2:B:17:SER:H	3	0.74
(1,3133)	2:C:1:ASP:H	2:C:2:SER:H	1	0.74
(1,3069)	2:C:39:CYS:H	2:C:35:VAL:HB	4	0.74
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB2	8	0.74
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB1	8	0.74
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB3	8	0.74
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB2	8	0.74
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB1	8	0.74
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB3	8	0.74
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB2	8	0.74
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB1	8	0.74
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB3	8	0.74
(1,2243)	2:C:11:LEU:HA	2:C:54:ILE:HB	1	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2242)	2:B:11:LEU:HA	2:B:54:ILE:HB	3	0.74
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG22	6	0.74
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG21	6	0.74
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG23	6	0.74
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG22	6	0.74
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG21	6	0.74
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG23	6	0.74
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG22	6	0.74
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG21	6	0.74
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG23	6	0.74
(1,1399)	1:A:80:LYS:HE3	1:A:148:ILE:H	5	0.74
(1,8)	1:A:120:LEU:HD12	1:A:147:MET:HG3	7	0.73
(1,8)	1:A:120:LEU:HD11	1:A:147:MET:HG3	7	0.73
(1,8)	1:A:120:LEU:HD13	1:A:147:MET:HG3	7	0.73
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG22	3	0.73
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG21	3	0.73
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG23	3	0.73
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG22	3	0.73
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG21	3	0.73
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG23	3	0.73
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG22	3	0.73
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG21	3	0.73
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG23	3	0.73
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG22	3	0.73
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG21	3	0.73
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG23	3	0.73
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG22	3	0.73
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG21	3	0.73
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG23	3	0.73
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG22	3	0.73
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG21	3	0.73
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG23	3	0.73
(1,3133)	2:C:1:ASP:H	2:C:2:SER:H	5	0.73
(1,3133)	2:C:1:ASP:H	2:C:2:SER:H	9	0.73
(1,3132)	2:B:1:ASP:H	2:B:2:SER:H	5	0.73
(1,2941)	2:C:44:PHE:HZ	2:B:33:LEU:HD22	7	0.73
(1,2941)	2:C:44:PHE:HZ	2:B:33:LEU:HD21	7	0.73
(1,2941)	2:C:44:PHE:HZ	2:B:33:LEU:HD23	7	0.73
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD22	10	0.73
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD21	10	0.73
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD23	10	0.73
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD22	10	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD21	10	0.73
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD23	10	0.73
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD22	10	0.73
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD21	10	0.73
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD23	10	0.73
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG12	5	0.73
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG11	5	0.73
(1,2643)	2:C:25:ILE:HD12	2:C:20:VAL:HG13	5	0.73
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG12	5	0.73
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG11	5	0.73
(1,2643)	2:C:25:ILE:HD11	2:C:20:VAL:HG13	5	0.73
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG12	5	0.73
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG11	5	0.73
(1,2643)	2:C:25:ILE:HD13	2:C:20:VAL:HG13	5	0.73
(1,2630)	2:B:51:VAL:HB	2:B:55:LEU:HG	4	0.73
(1,2595)	2:C:57:LYS:HB3	2:B:68:ILE:HG13	3	0.73
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB2	1	0.73
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB1	1	0.73
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB3	1	0.73
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB2	1	0.73
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB1	1	0.73
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB3	1	0.73
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB2	1	0.73
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB1	1	0.73
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB3	1	0.73
(1,25)	1:A:144:ILE:HD12	1:A:120:LEU:H	2	0.73
(1,25)	1:A:144:ILE:HD11	1:A:120:LEU:H	2	0.73
(1,25)	1:A:144:ILE:HD13	1:A:120:LEU:H	2	0.73
(1,2251)	2:C:11:LEU:HA	2:C:55:LEU:HB3	6	0.73
(1,2179)	2:C:9:ALA:HA	2:C:12:ILE:HD12	6	0.73
(1,2179)	2:C:9:ALA:HA	2:C:12:ILE:HD11	6	0.73
(1,2179)	2:C:9:ALA:HA	2:C:12:ILE:HD13	6	0.73
(1,2062)	2:B:55:LEU:HD22	2:B:14:ASN:HB2	6	0.73
(1,2062)	2:B:55:LEU:HD21	2:B:14:ASN:HB2	6	0.73
(1,2062)	2:B:55:LEU:HD23	2:B:14:ASN:HB2	6	0.73
(3,33)	1:A:149:LYS:H	1:A:116:GLU:O	2	0.72
(1,791)	1:A:136:LYS:HG3	1:A:136:LYS:HE3	1	0.72
(1,786)	1:A:126:LEU:HD12	1:A:124:LYS:HD3	4	0.72
(1,786)	1:A:126:LEU:HD11	1:A:124:LYS:HD3	4	0.72
(1,786)	1:A:126:LEU:HD13	1:A:124:LYS:HD3	4	0.72
(1,782)	1:A:98:ILE:HG22	1:A:98:ILE:HG12	2	0.72
(1,782)	1:A:98:ILE:HG21	1:A:98:ILE:HG12	2	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,782)	1:A:98:ILE:HG23	1:A:98:ILE:HG12	2	0.72
(1,782)	1:A:98:ILE:HG22	1:A:98:ILE:HG12	4	0.72
(1,782)	1:A:98:ILE:HG21	1:A:98:ILE:HG12	4	0.72
(1,782)	1:A:98:ILE:HG23	1:A:98:ILE:HG12	4	0.72
(1,782)	1:A:98:ILE:HG22	1:A:98:ILE:HG12	5	0.72
(1,782)	1:A:98:ILE:HG21	1:A:98:ILE:HG12	5	0.72
(1,782)	1:A:98:ILE:HG23	1:A:98:ILE:HG12	5	0.72
(1,782)	1:A:98:ILE:HG22	1:A:98:ILE:HG12	6	0.72
(1,782)	1:A:98:ILE:HG21	1:A:98:ILE:HG12	6	0.72
(1,782)	1:A:98:ILE:HG23	1:A:98:ILE:HG12	6	0.72
(1,782)	1:A:98:ILE:HG22	1:A:98:ILE:HG12	7	0.72
(1,782)	1:A:98:ILE:HG21	1:A:98:ILE:HG12	7	0.72
(1,782)	1:A:98:ILE:HG23	1:A:98:ILE:HG12	7	0.72
(1,782)	1:A:98:ILE:HG22	1:A:98:ILE:HG12	8	0.72
(1,782)	1:A:98:ILE:HG21	1:A:98:ILE:HG12	8	0.72
(1,782)	1:A:98:ILE:HG23	1:A:98:ILE:HG12	8	0.72
(1,735)	1:A:79:LYS:HD3	1:A:79:LYS:HA	7	0.72
(1,732)	1:A:81:ILE:HA	1:A:79:LYS:HD3	3	0.72
(1,642)	1:A:97:THR:HG21	1:A:100:GLN:HG3	2	0.72
(1,642)	1:A:97:THR:HG22	1:A:100:GLN:HG3	2	0.72
(1,642)	1:A:97:THR:HG23	1:A:100:GLN:HG3	2	0.72
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG22	5	0.72
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG21	5	0.72
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG23	5	0.72
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG22	5	0.72
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG21	5	0.72
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG23	5	0.72
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG22	5	0.72
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG21	5	0.72
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG23	5	0.72
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG22	5	0.72
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG21	5	0.72
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG23	5	0.72
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG22	5	0.72
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG21	5	0.72
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG23	5	0.72
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG22	5	0.72
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG21	5	0.72
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG23	5	0.72
(1,3543)	2:C:51:VAL:HG22	2:C:13:VAL:HB	8	0.72
(1,3543)	2:C:51:VAL:HG21	2:C:13:VAL:HB	8	0.72
(1,3543)	2:C:51:VAL:HG23	2:C:13:VAL:HB	8	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3543)	2:C:51:VAL:HG22	2:C:49:GLU:HG3	8	0.72
(1,3543)	2:C:51:VAL:HG21	2:C:49:GLU:HG3	8	0.72
(1,3543)	2:C:51:VAL:HG23	2:C:49:GLU:HG3	8	0.72
(1,35)	1:A:106:ILE:HD12	1:A:113:HIS:HA	8	0.72
(1,35)	1:A:106:ILE:HD11	1:A:113:HIS:HA	8	0.72
(1,35)	1:A:106:ILE:HD13	1:A:113:HIS:HA	8	0.72
(1,3420)	2:B:51:VAL:H	2:B:54:ILE:HG12	6	0.72
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD1	5	0.72
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD2	5	0.72
(1,2695)	2:C:54:ILE:HG22	2:C:46:PHE:HB2	10	0.72
(1,2695)	2:C:54:ILE:HG21	2:C:46:PHE:HB2	10	0.72
(1,2695)	2:C:54:ILE:HG23	2:C:46:PHE:HB2	10	0.72
(1,2594)	2:B:57:LYS:HB3	2:C:68:ILE:HG13	10	0.72
(1,2389)	2:C:20:VAL:HG22	2:C:34:ASN:HD22	10	0.72
(1,2389)	2:C:20:VAL:HG21	2:C:34:ASN:HD22	10	0.72
(1,2389)	2:C:20:VAL:HG23	2:C:34:ASN:HD22	10	0.72
(1,2251)	2:C:11:LEU:HA	2:C:55:LEU:HB3	3	0.72
(1,2251)	2:C:11:LEU:HA	2:C:55:LEU:HB3	7	0.72
(1,2146)	2:B:23:LYS:HE3	2:B:23:LYS:HG3	2	0.72
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG22	3	0.72
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG21	3	0.72
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG23	3	0.72
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG22	3	0.72
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG21	3	0.72
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG23	3	0.72
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG22	3	0.72
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG21	3	0.72
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG23	3	0.72
(1,2042)	2:B:5:LYS:HD3	2:B:44:PHE:HZ	7	0.72
(1,1557)	1:A:81:ILE:HA	1:A:79:LYS:HD3	1	0.72
(1,1557)	1:A:81:ILE:HA	1:A:85:LYS:HD3	1	0.72
(1,1545)	1:A:135:LEU:HA	1:A:124:LYS:HE3	2	0.72
(1,1545)	1:A:135:LEU:HA	1:A:134:ASP:HB2	2	0.72
(1,1545)	1:A:136:LYS:HA	1:A:136:LYS:HE3	2	0.72
(1,151)	1:A:135:LEU:HD12	1:A:135:LEU:H	10	0.72
(1,151)	1:A:135:LEU:HD11	1:A:135:LEU:H	10	0.72
(1,151)	1:A:135:LEU:HD13	1:A:135:LEU:H	10	0.72
(1,1037)	1:A:107:SER:HB3	1:A:107:SER:H	3	0.72
(1,1010)	1:A:98:ILE:H	1:A:98:ILE:HG13	5	0.72
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG22	5	0.71
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG21	5	0.71
(1,630)	1:A:78:LEU:HB2	1:A:146:VAL:HG23	5	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,535)	1:A:150:PRO:HA	1:A:116:GLU:HG3	7	0.71
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB2	2	0.71
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB3	2	0.71
(1,4081)	2:C:13:VAL:H	2:C:41:SER:HA	2	0.71
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB2	2	0.71
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB3	2	0.71
(1,4080)	2:B:13:VAL:H	2:B:41:SER:HA	2	0.71
(1,3545)	2:C:51:VAL:HG22	2:C:47:GLU:HB2	10	0.71
(1,3545)	2:C:51:VAL:HG21	2:C:47:GLU:HB2	10	0.71
(1,3545)	2:C:51:VAL:HG23	2:C:47:GLU:HB2	10	0.71
(1,3545)	2:C:51:VAL:HG22	2:C:48:ARG:HB3	10	0.71
(1,3545)	2:C:51:VAL:HG21	2:C:48:ARG:HB3	10	0.71
(1,3545)	2:C:51:VAL:HG23	2:C:48:ARG:HB3	10	0.71
(1,3220)	2:B:34:ASN:HA	2:B:17:SER:H	5	0.71
(1,3068)	2:B:39:CYS:H	2:B:35:VAL:HB	2	0.71
(1,3048)	2:B:50:ALA:H	2:B:13:VAL:HG12	9	0.71
(1,3048)	2:B:50:ALA:H	2:B:13:VAL:HG11	9	0.71
(1,3048)	2:B:50:ALA:H	2:B:13:VAL:HG13	9	0.71
(1,2594)	2:B:57:LYS:HB3	2:C:68:ILE:HG13	7	0.71
(1,2498)	2:B:25:ILE:HG22	2:B:20:VAL:HG12	1	0.71
(1,2498)	2:B:25:ILE:HG22	2:B:20:VAL:HG11	1	0.71
(1,2498)	2:B:25:ILE:HG22	2:B:20:VAL:HG13	1	0.71
(1,2498)	2:B:25:ILE:HG21	2:B:20:VAL:HG12	1	0.71
(1,2498)	2:B:25:ILE:HG21	2:B:20:VAL:HG11	1	0.71
(1,2498)	2:B:25:ILE:HG21	2:B:20:VAL:HG13	1	0.71
(1,2498)	2:B:25:ILE:HG23	2:B:20:VAL:HG12	1	0.71
(1,2498)	2:B:25:ILE:HG23	2:B:20:VAL:HG11	1	0.71
(1,2498)	2:B:25:ILE:HG23	2:B:20:VAL:HG13	1	0.71
(1,2251)	2:C:11:LEU:HA	2:C:55:LEU:HB3	10	0.71
(1,176)	1:A:132:LEU:HD22	1:A:96:ASP:HB2	6	0.71
(1,176)	1:A:132:LEU:HD21	1:A:96:ASP:HB2	6	0.71
(1,176)	1:A:132:LEU:HD23	1:A:96:ASP:HB2	6	0.71
(1,1593)	1:A:142:SER:HB2	1:A:74:VAL:HB	4	0.71
(1,1593)	1:A:142:SER:HB2	1:A:137:VAL:HB	4	0.71
(1,151)	1:A:135:LEU:HD12	1:A:135:LEU:H	8	0.71
(1,151)	1:A:135:LEU:HD11	1:A:135:LEU:H	8	0.71
(1,151)	1:A:135:LEU:HD13	1:A:135:LEU:H	8	0.71
(1,1446)	1:A:97:THR:HG21	1:A:96:ASP:HB3	1	0.71
(1,1446)	1:A:97:THR:HG22	1:A:96:ASP:HB3	1	0.71
(1,1446)	1:A:97:THR:HG23	1:A:96:ASP:HB3	1	0.71
(1,1446)	1:A:97:THR:HG21	1:A:100:GLN:HG3	1	0.71
(1,1446)	1:A:97:THR:HG22	1:A:100:GLN:HG3	1	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1446)	1:A:97:THR:HG23	1:A:100:GLN:HG3	1	0.71
(1,1037)	1:A:107:SER:HB3	1:A:107:SER:H	1	0.71
(1,1037)	1:A:107:SER:HB3	1:A:107:SER:H	4	0.71
(1,1010)	1:A:98:ILE:H	1:A:98:ILE:HG13	9	0.71
(1,782)	1:A:98:ILE:HG22	1:A:98:ILE:HG12	1	0.7
(1,782)	1:A:98:ILE:HG21	1:A:98:ILE:HG12	1	0.7
(1,782)	1:A:98:ILE:HG23	1:A:98:ILE:HG12	1	0.7
(1,782)	1:A:98:ILE:HG22	1:A:98:ILE:HG12	3	0.7
(1,782)	1:A:98:ILE:HG21	1:A:98:ILE:HG12	3	0.7
(1,782)	1:A:98:ILE:HG23	1:A:98:ILE:HG12	3	0.7
(1,782)	1:A:98:ILE:HG22	1:A:98:ILE:HG12	10	0.7
(1,782)	1:A:98:ILE:HG21	1:A:98:ILE:HG12	10	0.7
(1,782)	1:A:98:ILE:HG23	1:A:98:ILE:HG12	10	0.7
(1,736)	1:A:114:ILE:HG12	1:A:102:LYS:HB3	7	0.7
(1,410)	1:A:122:LYS:HD3	1:A:122:LYS:H	5	0.7
(1,3933)	2:C:18:SER:HB3	2:C:15:TYR:HB3	6	0.7
(1,3933)	2:C:18:SER:HB3	2:C:22:LYS:HE3	6	0.7
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD12	9	0.7
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD11	9	0.7
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD13	9	0.7
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD12	9	0.7
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD11	9	0.7
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD13	9	0.7
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD12	9	0.7
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD11	9	0.7
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD13	9	0.7
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG22	9	0.7
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG21	9	0.7
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG23	9	0.7
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG22	9	0.7
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG21	9	0.7
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG23	9	0.7
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG22	9	0.7
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG21	9	0.7
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG23	9	0.7
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD12	10	0.7
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD11	10	0.7
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD13	10	0.7
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD12	10	0.7
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD11	10	0.7
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD13	10	0.7
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD12	10	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD11	10	0.7
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD13	10	0.7
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG22	10	0.7
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG21	10	0.7
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG23	10	0.7
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG22	10	0.7
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG21	10	0.7
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG23	10	0.7
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG22	10	0.7
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG21	10	0.7
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG23	10	0.7
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG22	10	0.7
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG21	10	0.7
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG23	10	0.7
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG22	10	0.7
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG21	10	0.7
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG23	10	0.7
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG22	10	0.7
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG21	10	0.7
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG23	10	0.7
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG22	10	0.7
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG21	10	0.7
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG23	10	0.7
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG22	10	0.7
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG21	10	0.7
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG23	10	0.7
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG22	10	0.7
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG21	10	0.7
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG23	10	0.7
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG22	7	0.7
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG21	7	0.7
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG23	7	0.7
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG22	7	0.7
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG21	7	0.7
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG23	7	0.7
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG22	7	0.7
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG21	7	0.7
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG23	7	0.7
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG22	7	0.7
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG21	7	0.7
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG23	7	0.7
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG22	7	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG21	7	0.7
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG23	7	0.7
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG22	7	0.7
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG21	7	0.7
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG23	7	0.7
(1,3196)	2:B:14:ASN:H	2:B:48:ARG:HA	5	0.7
(1,3118)	2:B:48:ARG:HB3	2:B:49:GLU:H	10	0.7
(1,3069)	2:C:39:CYS:H	2:C:35:VAL:HB	9	0.7
(1,3023)	2:C:48:ARG:HG2	2:C:48:ARG:H	3	0.7
(1,2628)	2:B:37:MET:HB3	2:B:17:SER:HB3	7	0.7
(1,2500)	2:B:25:ILE:HG22	2:B:20:VAL:HB	10	0.7
(1,2500)	2:B:25:ILE:HG21	2:B:20:VAL:HB	10	0.7
(1,2500)	2:B:25:ILE:HG23	2:B:20:VAL:HB	10	0.7
(1,2242)	2:B:11:LEU:HA	2:B:54:ILE:HB	9	0.7
(1,2210)	2:B:22:LYS:HA	2:B:24:GLU:HB2	10	0.7
(1,2193)	2:C:25:ILE:HD12	2:C:30:ALA:HA	1	0.7
(1,2193)	2:C:25:ILE:HD11	2:C:30:ALA:HA	1	0.7
(1,2193)	2:C:25:ILE:HD13	2:C:30:ALA:HA	1	0.7
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB2	5	0.7
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB1	5	0.7
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB3	5	0.7
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB2	5	0.7
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB1	5	0.7
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB3	5	0.7
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB2	5	0.7
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB1	5	0.7
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB3	5	0.7
(1,2062)	2:B:55:LEU:HD22	2:B:14:ASN:HB2	5	0.7
(1,2062)	2:B:55:LEU:HD21	2:B:14:ASN:HB2	5	0.7
(1,2062)	2:B:55:LEU:HD23	2:B:14:ASN:HB2	5	0.7
(1,1808)	1:A:99:LEU:HG	1:A:103:GLN:HE22	8	0.7
(1,1808)	1:A:103:GLN:HE22	1:A:114:ILE:HG13	8	0.7
(1,1661)	1:A:149:LYS:HE3	1:A:149:LYS:HD3	3	0.7
(1,1661)	1:A:149:LYS:HB3	1:A:149:LYS:HE3	3	0.7
(1,1614)	1:A:90:HIS:HB2	1:A:76:LEU:HD12	7	0.7
(1,1614)	1:A:90:HIS:HB2	1:A:76:LEU:HD11	7	0.7
(1,1614)	1:A:90:HIS:HB2	1:A:76:LEU:HD13	7	0.7
(1,1614)	1:A:147:MET:HG2	1:A:146:VAL:HG22	7	0.7
(1,1614)	1:A:147:MET:HG2	1:A:146:VAL:HG21	7	0.7
(1,1614)	1:A:147:MET:HG2	1:A:146:VAL:HG23	7	0.7
(1,1614)	1:A:150:PRO:HB2	1:A:148:ILE:HG22	7	0.7
(1,1614)	1:A:150:PRO:HB2	1:A:148:ILE:HG21	7	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1614)	1:A:150:PRO:HB2	1:A:148:ILE:HG23	7	0.7
(1,1614)	1:A:150:PRO:HB2	1:A:152:LEU:HD12	7	0.7
(1,1614)	1:A:150:PRO:HB2	1:A:152:LEU:HD11	7	0.7
(1,1614)	1:A:150:PRO:HB2	1:A:152:LEU:HD13	7	0.7
(1,150)	1:A:78:LEU:HD12	1:A:92:PHE:HZ	4	0.7
(1,150)	1:A:78:LEU:HD11	1:A:92:PHE:HZ	4	0.7
(1,150)	1:A:78:LEU:HD13	1:A:92:PHE:HZ	4	0.7
(1,1446)	1:A:97:THR:HG21	1:A:96:ASP:HB3	8	0.7
(1,1446)	1:A:97:THR:HG22	1:A:96:ASP:HB3	8	0.7
(1,1446)	1:A:97:THR:HG23	1:A:96:ASP:HB3	8	0.7
(1,1446)	1:A:97:THR:HG21	1:A:100:GLN:HG3	8	0.7
(1,1446)	1:A:97:THR:HG22	1:A:100:GLN:HG3	8	0.7
(1,1446)	1:A:97:THR:HG23	1:A:100:GLN:HG3	8	0.7
(1,139)	1:A:125:VAL:HG22	1:A:125:VAL:HA	1	0.7
(1,139)	1:A:125:VAL:HG21	1:A:125:VAL:HA	1	0.7
(1,139)	1:A:125:VAL:HG23	1:A:125:VAL:HA	1	0.7
(1,1037)	1:A:107:SER:HB3	1:A:107:SER:H	10	0.7
(1,1010)	1:A:98:ILE:H	1:A:98:ILE:HG13	2	0.7
(1,8)	1:A:120:LEU:HD12	1:A:147:MET:HG3	4	0.69
(1,8)	1:A:120:LEU:HD11	1:A:147:MET:HG3	4	0.69
(1,8)	1:A:120:LEU:HD13	1:A:147:MET:HG3	4	0.69
(1,728)	1:A:99:LEU:HG	1:A:103:GLN:HE22	8	0.69
(1,697)	1:A:79:LYS:HE3	1:A:79:LYS:HG3	4	0.69
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG22	1	0.69
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG21	1	0.69
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG23	1	0.69
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG22	1	0.69
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG21	1	0.69
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG23	1	0.69
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG22	1	0.69
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG21	1	0.69
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG23	1	0.69
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG22	1	0.69
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG21	1	0.69
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG23	1	0.69
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG22	1	0.69
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG21	1	0.69
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG23	1	0.69
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG22	1	0.69
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG21	1	0.69
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG23	1	0.69
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG22	1	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG21	1	0.69
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG23	1	0.69
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG22	1	0.69
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG21	1	0.69
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG23	1	0.69
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG22	1	0.69
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG21	1	0.69
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG23	1	0.69
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG22	1	0.69
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG21	1	0.69
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG23	1	0.69
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG22	1	0.69
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG21	1	0.69
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG23	1	0.69
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG22	1	0.69
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG21	1	0.69
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG23	1	0.69
(1,3572)	2:B:33:LEU:HD22	2:B:19:ILE:HB	1	0.69
(1,3572)	2:B:33:LEU:HD21	2:B:19:ILE:HB	1	0.69
(1,3572)	2:B:33:LEU:HD23	2:B:19:ILE:HB	1	0.69
(1,3572)	2:B:33:LEU:HD22	2:C:5:LYS:HB3	1	0.69
(1,3572)	2:B:33:LEU:HD21	2:C:5:LYS:HB3	1	0.69
(1,3572)	2:B:33:LEU:HD23	2:C:5:LYS:HB3	1	0.69
(1,3324)	2:B:27:GLU:HG3	2:B:27:GLU:H	5	0.69
(1,3143)	2:C:6:GLU:HG2	2:C:6:GLU:H	6	0.69
(1,3049)	2:C:50:ALA:H	2:C:13:VAL:HG12	4	0.69
(1,3049)	2:C:50:ALA:H	2:C:13:VAL:HG11	4	0.69
(1,3049)	2:C:50:ALA:H	2:C:13:VAL:HG13	4	0.69
(1,2693)	2:C:50:ALA:HB2	2:C:47:GLU:HB2	9	0.69
(1,2693)	2:C:50:ALA:HB1	2:C:47:GLU:HB2	9	0.69
(1,2693)	2:C:50:ALA:HB3	2:C:47:GLU:HB2	9	0.69
(1,247)	1:A:103:GLN:HG2	1:A:100:GLN:HE22	8	0.69
(1,2251)	2:C:11:LEU:HA	2:C:55:LEU:HB3	8	0.69
(1,2243)	2:C:11:LEU:HA	2:C:54:ILE:HB	2	0.69
(1,2243)	2:C:11:LEU:HA	2:C:54:ILE:HB	8	0.69
(1,2193)	2:C:25:ILE:HD12	2:C:30:ALA:HA	6	0.69
(1,2193)	2:C:25:ILE:HD11	2:C:30:ALA:HA	6	0.69
(1,2193)	2:C:25:ILE:HD13	2:C:30:ALA:HA	6	0.69
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG22	1	0.69
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG21	1	0.69
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG23	1	0.69
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG22	1	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG21	1	0.69
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG23	1	0.69
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG22	1	0.69
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG21	1	0.69
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG23	1	0.69
(1,2042)	2:B:5:LYS:HD3	2:B:44:PHE:HZ	2	0.69
(1,187)	1:A:120:LEU:HD22	1:A:119:LEU:H	10	0.69
(1,187)	1:A:120:LEU:HD21	1:A:119:LEU:H	10	0.69
(1,187)	1:A:120:LEU:HD23	1:A:119:LEU:H	10	0.69
(1,185)	1:A:130:LEU:HD22	1:A:131:PHE:H	8	0.69
(1,185)	1:A:130:LEU:HD21	1:A:131:PHE:H	8	0.69
(1,185)	1:A:130:LEU:HD23	1:A:131:PHE:H	8	0.69
(1,1140)	1:A:82:GLN:HG2	1:A:82:GLN:H	5	0.69
(1,1037)	1:A:107:SER:HB3	1:A:107:SER:H	5	0.69
(1,1037)	1:A:107:SER:HB3	1:A:107:SER:H	6	0.69
(1,979)	1:A:101:ILE:HG12	1:A:101:ILE:H	3	0.68
(1,782)	1:A:98:ILE:HG22	1:A:98:ILE:HG12	9	0.68
(1,782)	1:A:98:ILE:HG21	1:A:98:ILE:HG12	9	0.68
(1,782)	1:A:98:ILE:HG23	1:A:98:ILE:HG12	9	0.68
(1,56)	1:A:114:ILE:HD12	1:A:103:GLN:HE21	10	0.68
(1,56)	1:A:114:ILE:HD11	1:A:103:GLN:HE21	10	0.68
(1,56)	1:A:114:ILE:HD13	1:A:103:GLN:HE21	10	0.68
(1,460)	1:A:126:LEU:HD12	1:A:120:LEU:HA	6	0.68
(1,460)	1:A:126:LEU:HD11	1:A:120:LEU:HA	6	0.68
(1,460)	1:A:126:LEU:HD13	1:A:120:LEU:HA	6	0.68
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG22	7	0.68
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG21	7	0.68
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG23	7	0.68
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG22	7	0.68
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG21	7	0.68
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG23	7	0.68
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG22	7	0.68
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG21	7	0.68
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG23	7	0.68
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG22	7	0.68
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG21	7	0.68
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG23	7	0.68
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG22	7	0.68
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG21	7	0.68
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG23	7	0.68
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG22	7	0.68
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG21	7	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG23	7	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG22	6	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG21	6	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG23	6	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG22	6	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG21	6	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG23	6	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG22	6	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG21	6	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG23	6	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG22	6	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG21	6	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG23	6	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG22	6	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG21	6	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG23	6	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG22	6	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG21	6	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG23	6	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG22	7	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG21	7	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG23	7	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG22	7	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG21	7	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG23	7	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG22	7	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG21	7	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG23	7	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG22	7	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG21	7	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG23	7	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG22	7	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG21	7	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG23	7	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG22	7	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG21	7	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG23	7	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG22	10	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG21	10	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG23	10	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG22	10	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG21	10	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG23	10	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG22	10	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG21	10	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG23	10	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG22	10	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG21	10	0.68
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG23	10	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG22	10	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG21	10	0.68
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG23	10	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG22	10	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG21	10	0.68
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG23	10	0.68
(1,3643)	2:C:68:ILE:HB	2:C:71:SER:H	10	0.68
(1,3643)	2:C:68:ILE:HB	2:B:54:ILE:H	10	0.68
(1,3420)	2:B:51:VAL:H	2:B:54:ILE:HG12	4	0.68
(1,3221)	2:C:34:ASN:HA	2:C:17:SER:H	8	0.68
(1,3119)	2:C:48:ARG:HB3	2:C:49:GLU:H	4	0.68
(1,3118)	2:B:48:ARG:HB3	2:B:49:GLU:H	2	0.68
(1,2949)	2:C:60:PHE:HD1	2:C:7:GLU:HB3	4	0.68
(1,2949)	2:C:60:PHE:HD2	2:C:7:GLU:HB3	4	0.68
(1,2890)	2:B:21:GLU:HA	2:B:23:LYS:HE3	9	0.68
(1,2545)	2:C:51:VAL:HG12	2:C:55:LEU:HG	5	0.68
(1,2545)	2:C:51:VAL:HG11	2:C:55:LEU:HG	5	0.68
(1,2545)	2:C:51:VAL:HG13	2:C:55:LEU:HG	5	0.68
(1,2244)	2:B:55:LEU:HD22	2:B:11:LEU:HA	1	0.68
(1,2244)	2:B:55:LEU:HD21	2:B:11:LEU:HA	1	0.68
(1,2244)	2:B:55:LEU:HD23	2:B:11:LEU:HA	1	0.68
(1,2242)	2:B:11:LEU:HA	2:B:54:ILE:HB	10	0.68
(1,185)	1:A:130:LEU:HD22	1:A:131:PHE:H	4	0.68
(1,185)	1:A:130:LEU:HD21	1:A:131:PHE:H	4	0.68
(1,185)	1:A:130:LEU:HD23	1:A:131:PHE:H	4	0.68
(1,185)	1:A:130:LEU:HD22	1:A:131:PHE:H	6	0.68
(1,185)	1:A:130:LEU:HD21	1:A:131:PHE:H	6	0.68
(1,185)	1:A:130:LEU:HD23	1:A:131:PHE:H	6	0.68
(1,1653)	1:A:126:LEU:HD12	1:A:124:LYS:HD3	3	0.68
(1,1653)	1:A:126:LEU:HD11	1:A:124:LYS:HD3	3	0.68
(1,1653)	1:A:126:LEU:HD13	1:A:124:LYS:HD3	3	0.68
(1,1653)	1:A:126:LEU:HD12	1:A:126:LEU:HB3	3	0.68
(1,1653)	1:A:126:LEU:HD11	1:A:126:LEU:HB3	3	0.68
(1,1653)	1:A:126:LEU:HD13	1:A:126:LEU:HB3	3	0.68
(1,1593)	1:A:142:SER:HB2	1:A:74:VAL:HB	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1593)	1:A:142:SER:HB2	1:A:137:VAL:HB	1	0.68
(1,1411)	1:A:116:GLU:HG3	1:A:151:ASN:H	9	0.68
(1,118)	1:A:97:THR:HG21	1:A:97:THR:H	5	0.68
(1,118)	1:A:97:THR:HG22	1:A:97:THR:H	5	0.68
(1,118)	1:A:97:THR:HG23	1:A:97:THR:H	5	0.68
(1,118)	1:A:97:THR:HG21	1:A:97:THR:H	6	0.68
(1,118)	1:A:97:THR:HG22	1:A:97:THR:H	6	0.68
(1,118)	1:A:97:THR:HG23	1:A:97:THR:H	6	0.68
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB2	9	0.67
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB3	9	0.67
(1,4080)	2:B:13:VAL:H	2:B:41:SER:HA	9	0.67
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG22	6	0.67
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG21	6	0.67
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG23	6	0.67
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG22	6	0.67
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG21	6	0.67
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG23	6	0.67
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG22	6	0.67
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG21	6	0.67
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG23	6	0.67
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG22	6	0.67
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG21	6	0.67
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG23	6	0.67
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG22	6	0.67
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG21	6	0.67
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG23	6	0.67
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG22	6	0.67
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG21	6	0.67
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG23	6	0.67
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD1	4	0.67
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD2	4	0.67
(1,3221)	2:C:34:ASN:HA	2:C:17:SER:H	2	0.67
(1,3118)	2:B:48:ARG:HB3	2:B:49:GLU:H	1	0.67
(1,3118)	2:B:48:ARG:HB3	2:B:49:GLU:H	7	0.67
(1,3068)	2:B:39:CYS:H	2:B:35:VAL:HB	4	0.67
(1,3049)	2:C:50:ALA:H	2:C:13:VAL:HG12	1	0.67
(1,3049)	2:C:50:ALA:H	2:C:13:VAL:HG11	1	0.67
(1,3049)	2:C:50:ALA:H	2:C:13:VAL:HG13	1	0.67
(1,2713)	2:C:54:ILE:HD12	2:C:51:VAL:H	9	0.67
(1,2713)	2:C:54:ILE:HD11	2:C:51:VAL:H	9	0.67
(1,2713)	2:C:54:ILE:HD13	2:C:51:VAL:H	9	0.67
(1,2614)	2:B:13:VAL:HG12	2:B:48:ARG:HG2	1	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2614)	2:B:13:VAL:HG11	2:B:48:ARG:HG2	1	0.67
(1,2614)	2:B:13:VAL:HG13	2:B:48:ARG:HG2	1	0.67
(1,2243)	2:C:11:LEU:HA	2:C:54:ILE:HB	7	0.67
(1,2211)	2:C:22:LYS:HA	2:C:24:GLU:HB2	4	0.67
(1,1593)	1:A:142:SER:HB2	1:A:74:VAL:HB	5	0.67
(1,1593)	1:A:142:SER:HB2	1:A:137:VAL:HB	5	0.67
(1,156)	1:A:99:LEU:HD22	1:A:103:GLN:HE21	8	0.67
(1,156)	1:A:99:LEU:HD21	1:A:103:GLN:HE21	8	0.67
(1,156)	1:A:99:LEU:HD23	1:A:103:GLN:HE21	8	0.67
(1,1314)	1:A:137:VAL:HB	1:A:142:SER:H	2	0.67
(1,118)	1:A:97:THR:HG21	1:A:97:THR:H	8	0.67
(1,118)	1:A:97:THR:HG22	1:A:97:THR:H	8	0.67
(1,118)	1:A:97:THR:HG23	1:A:97:THR:H	8	0.67
(1,1159)	1:A:152:LEU:HG	1:A:152:LEU:H	1	0.67
(3,34)	1:A:149:LYS:N	1:A:116:GLU:O	10	0.66
(3,33)	1:A:149:LYS:H	1:A:116:GLU:O	4	0.66
(1,979)	1:A:101:ILE:HG12	1:A:101:ILE:H	5	0.66
(1,960)	1:A:121:LEU:H	1:A:124:LYS:H	6	0.66
(1,8)	1:A:120:LEU:HD12	1:A:147:MET:HG3	8	0.66
(1,8)	1:A:120:LEU:HD11	1:A:147:MET:HG3	8	0.66
(1,8)	1:A:120:LEU:HD13	1:A:147:MET:HG3	8	0.66
(1,717)	1:A:120:LEU:HG	1:A:125:VAL:HA	8	0.66
(1,709)	1:A:122:LYS:HE3	1:A:141:ASN:HA	2	0.66
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG22	1	0.66
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG21	1	0.66
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG23	1	0.66
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB2	3	0.66
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB3	3	0.66
(1,4080)	2:B:13:VAL:H	2:B:41:SER:HA	3	0.66
(1,3542)	2:B:51:VAL:HG22	2:B:13:VAL:HB	7	0.66
(1,3542)	2:B:51:VAL:HG21	2:B:13:VAL:HB	7	0.66
(1,3542)	2:B:51:VAL:HG23	2:B:13:VAL:HB	7	0.66
(1,3542)	2:B:51:VAL:HG22	2:B:49:GLU:HG3	7	0.66
(1,3542)	2:B:51:VAL:HG21	2:B:49:GLU:HG3	7	0.66
(1,3542)	2:B:51:VAL:HG23	2:B:49:GLU:HG3	7	0.66
(1,3542)	2:B:51:VAL:HG22	2:B:13:VAL:HB	8	0.66
(1,3542)	2:B:51:VAL:HG21	2:B:13:VAL:HB	8	0.66
(1,3542)	2:B:51:VAL:HG23	2:B:13:VAL:HB	8	0.66
(1,3542)	2:B:51:VAL:HG22	2:B:49:GLU:HG3	8	0.66
(1,3542)	2:B:51:VAL:HG21	2:B:49:GLU:HG3	8	0.66
(1,3542)	2:B:51:VAL:HG23	2:B:49:GLU:HG3	8	0.66
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD1	8	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD2	8	0.66
(1,3220)	2:B:34:ASN:HA	2:B:17:SER:H	7	0.66
(1,3183)	2:C:12:ILE:HD12	2:C:9:ALA:H	2	0.66
(1,3183)	2:C:12:ILE:HD11	2:C:9:ALA:H	2	0.66
(1,3183)	2:C:12:ILE:HD13	2:C:9:ALA:H	2	0.66
(1,3162)	2:B:6:GLU:HB2	2:B:7:GLU:H	7	0.66
(1,2594)	2:B:57:LYS:HB3	2:C:68:ILE:HG13	1	0.66
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB2	8	0.66
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB1	8	0.66
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB3	8	0.66
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB2	8	0.66
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB1	8	0.66
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB3	8	0.66
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB2	8	0.66
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB1	8	0.66
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB3	8	0.66
(1,2422)	2:B:25:ILE:HD12	2:C:44:PHE:HZ	2	0.66
(1,2422)	2:B:25:ILE:HD11	2:C:44:PHE:HZ	2	0.66
(1,2422)	2:B:25:ILE:HD13	2:C:44:PHE:HZ	2	0.66
(1,2089)	2:C:8:ILE:HD12	2:B:19:ILE:HG12	6	0.66
(1,2089)	2:C:8:ILE:HD11	2:B:19:ILE:HG12	6	0.66
(1,2089)	2:C:8:ILE:HD13	2:B:19:ILE:HG12	6	0.66
(1,2063)	2:C:55:LEU:HD22	2:C:14:ASN:HB2	8	0.66
(1,2063)	2:C:55:LEU:HD21	2:C:14:ASN:HB2	8	0.66
(1,2063)	2:C:55:LEU:HD23	2:C:14:ASN:HB2	8	0.66
(1,2012)	2:B:47:GLU:HG3	2:B:47:GLU:H	6	0.66
(1,185)	1:A:130:LEU:HD22	1:A:131:PHE:H	3	0.66
(1,185)	1:A:130:LEU:HD21	1:A:131:PHE:H	3	0.66
(1,185)	1:A:130:LEU:HD23	1:A:131:PHE:H	3	0.66
(1,1614)	1:A:90:HIS:HB2	1:A:76:LEU:HD12	6	0.66
(1,1614)	1:A:90:HIS:HB2	1:A:76:LEU:HD11	6	0.66
(1,1614)	1:A:90:HIS:HB2	1:A:76:LEU:HD13	6	0.66
(1,1614)	1:A:147:MET:HG2	1:A:146:VAL:HG22	6	0.66
(1,1614)	1:A:147:MET:HG2	1:A:146:VAL:HG21	6	0.66
(1,1614)	1:A:147:MET:HG2	1:A:146:VAL:HG23	6	0.66
(1,1614)	1:A:150:PRO:HB2	1:A:148:ILE:HG22	6	0.66
(1,1614)	1:A:150:PRO:HB2	1:A:148:ILE:HG21	6	0.66
(1,1614)	1:A:150:PRO:HB2	1:A:148:ILE:HG23	6	0.66
(1,1614)	1:A:150:PRO:HB2	1:A:152:LEU:HD12	6	0.66
(1,1614)	1:A:150:PRO:HB2	1:A:152:LEU:HD11	6	0.66
(1,1614)	1:A:150:PRO:HB2	1:A:152:LEU:HD13	6	0.66
(1,1351)	1:A:141:ASN:HD21	1:A:121:LEU:HG	6	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1010)	1:A:98:ILE:H	1:A:98:ILE:HG13	3	0.66
(1,860)	1:A:80:LYS:H	1:A:79:LYS:HD3	6	0.65
(1,717)	1:A:120:LEU:HG	1:A:125:VAL:HA	4	0.65
(1,56)	1:A:114:ILE:HD12	1:A:103:GLN:HE21	7	0.65
(1,56)	1:A:114:ILE:HD11	1:A:103:GLN:HE21	7	0.65
(1,56)	1:A:114:ILE:HD13	1:A:103:GLN:HE21	7	0.65
(1,533)	1:A:114:ILE:HA	1:A:114:ILE:HG12	1	0.65
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB2	10	0.65
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB3	10	0.65
(1,4080)	2:B:13:VAL:H	2:B:41:SER:HA	10	0.65
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG22	9	0.65
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG21	9	0.65
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG23	9	0.65
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG22	9	0.65
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG21	9	0.65
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG23	9	0.65
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG22	9	0.65
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG21	9	0.65
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG23	9	0.65
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG22	9	0.65
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG21	9	0.65
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG23	9	0.65
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG22	9	0.65
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG21	9	0.65
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG23	9	0.65
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG22	9	0.65
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG21	9	0.65
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG23	9	0.65
(1,3118)	2:B:48:ARG:HB3	2:B:49:GLU:H	8	0.65
(1,3023)	2:C:48:ARG:HG2	2:C:48:ARG:H	10	0.65
(1,2695)	2:C:54:ILE:HG22	2:C:46:PHE:HB2	7	0.65
(1,2695)	2:C:54:ILE:HG21	2:C:46:PHE:HB2	7	0.65
(1,2695)	2:C:54:ILE:HG23	2:C:46:PHE:HB2	7	0.65
(1,2544)	2:B:51:VAL:HG12	2:B:55:LEU:HG	9	0.65
(1,2544)	2:B:51:VAL:HG11	2:B:55:LEU:HG	9	0.65
(1,2544)	2:B:51:VAL:HG13	2:B:55:LEU:HG	9	0.65
(1,2298)	2:B:19:ILE:HA	2:B:22:LYS:HD3	6	0.65
(1,2298)	2:B:19:ILE:HA	2:B:22:LYS:HD3	8	0.65
(1,2251)	2:C:11:LEU:HA	2:C:55:LEU:HB3	5	0.65
(1,2088)	2:B:8:ILE:HD12	2:C:19:ILE:HG12	3	0.65
(1,2088)	2:B:8:ILE:HD11	2:C:19:ILE:HG12	3	0.65
(1,2088)	2:B:8:ILE:HD13	2:C:19:ILE:HG12	3	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	2:C:5:LYS:HD3	2:C:44:PHE:HZ	10	0.65
(1,1557)	1:A:81:ILE:HA	1:A:79:LYS:HD3	6	0.65
(1,1557)	1:A:81:ILE:HA	1:A:85:LYS:HD3	6	0.65
(1,110)	1:A:126:LEU:HD12	1:A:125:VAL:HA	2	0.65
(1,110)	1:A:126:LEU:HD11	1:A:125:VAL:HA	2	0.65
(1,110)	1:A:126:LEU:HD13	1:A:125:VAL:HA	2	0.65
(1,1010)	1:A:98:ILE:H	1:A:98:ILE:HG13	7	0.65
(1,1010)	1:A:98:ILE:H	1:A:98:ILE:HG13	10	0.65
(1,85)	1:A:73:MET:HE2	1:A:73:MET:HA	5	0.64
(1,85)	1:A:73:MET:HE1	1:A:73:MET:HA	5	0.64
(1,85)	1:A:73:MET:HE3	1:A:73:MET:HA	5	0.64
(1,717)	1:A:120:LEU:HG	1:A:125:VAL:HA	7	0.64
(1,655)	1:A:81:ILE:HG12	1:A:145:THR:HA	7	0.64
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG22	1	0.64
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG21	1	0.64
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG23	1	0.64
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG22	1	0.64
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG21	1	0.64
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG23	1	0.64
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG22	1	0.64
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG21	1	0.64
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG23	1	0.64
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG22	1	0.64
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG21	1	0.64
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG23	1	0.64
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG22	1	0.64
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG21	1	0.64
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG23	1	0.64
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG22	1	0.64
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG21	1	0.64
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG23	1	0.64
(1,3543)	2:C:51:VAL:HG22	2:C:13:VAL:HB	3	0.64
(1,3543)	2:C:51:VAL:HG21	2:C:13:VAL:HB	3	0.64
(1,3543)	2:C:51:VAL:HG23	2:C:13:VAL:HB	3	0.64
(1,3543)	2:C:51:VAL:HG22	2:C:49:GLU:HG3	3	0.64
(1,3543)	2:C:51:VAL:HG21	2:C:49:GLU:HG3	3	0.64
(1,3543)	2:C:51:VAL:HG23	2:C:49:GLU:HG3	3	0.64
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD1	6	0.64
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD2	6	0.64
(1,3220)	2:B:34:ASN:HA	2:B:17:SER:H	6	0.64
(1,3162)	2:B:6:GLU:HB2	2:B:7:GLU:H	3	0.64
(1,3069)	2:C:39:CYS:H	2:C:35:VAL:HB	2	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2950)	2:B:60:PHE:HD1	2:B:54:ILE:HB	4	0.64
(1,2950)	2:B:60:PHE:HD2	2:B:54:ILE:HB	4	0.64
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG12	3	0.64
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG11	3	0.64
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG13	3	0.64
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG12	3	0.64
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG11	3	0.64
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG13	3	0.64
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG12	3	0.64
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG11	3	0.64
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG13	3	0.64
(1,2595)	2:C:57:LYS:HB3	2:B:68:ILE:HG13	2	0.64
(1,2500)	2:B:25:ILE:HG22	2:B:20:VAL:HB	9	0.64
(1,2500)	2:B:25:ILE:HG21	2:B:20:VAL:HB	9	0.64
(1,2500)	2:B:25:ILE:HG23	2:B:20:VAL:HB	9	0.64
(1,2242)	2:B:11:LEU:HA	2:B:54:ILE:HB	5	0.64
(1,2192)	2:B:25:ILE:HD12	2:B:30:ALA:HA	10	0.64
(1,2192)	2:B:25:ILE:HD11	2:B:30:ALA:HA	10	0.64
(1,2192)	2:B:25:ILE:HD13	2:B:30:ALA:HA	10	0.64
(1,2158)	2:B:13:VAL:HG22	2:B:48:ARG:HD3	9	0.64
(1,2158)	2:B:13:VAL:HG21	2:B:48:ARG:HD3	9	0.64
(1,2158)	2:B:13:VAL:HG23	2:B:48:ARG:HD3	9	0.64
(1,201)	1:A:144:ILE:HG22	1:A:120:LEU:H	2	0.64
(1,201)	1:A:144:ILE:HG21	1:A:120:LEU:H	2	0.64
(1,201)	1:A:144:ILE:HG23	1:A:120:LEU:H	2	0.64
(1,185)	1:A:130:LEU:HD22	1:A:131:PHE:H	1	0.64
(1,185)	1:A:130:LEU:HD21	1:A:131:PHE:H	1	0.64
(1,185)	1:A:130:LEU:HD23	1:A:131:PHE:H	1	0.64
(1,1653)	1:A:126:LEU:HD12	1:A:124:LYS:HD3	7	0.64
(1,1653)	1:A:126:LEU:HD11	1:A:124:LYS:HD3	7	0.64
(1,1653)	1:A:126:LEU:HD13	1:A:124:LYS:HD3	7	0.64
(1,1653)	1:A:126:LEU:HD12	1:A:126:LEU:HB3	7	0.64
(1,1653)	1:A:126:LEU:HD11	1:A:126:LEU:HB3	7	0.64
(1,1653)	1:A:126:LEU:HD13	1:A:126:LEU:HB3	7	0.64
(1,1651)	1:A:88:ILE:HG22	1:A:78:LEU:HB3	2	0.64
(1,1651)	1:A:88:ILE:HG21	1:A:78:LEU:HB3	2	0.64
(1,1651)	1:A:88:ILE:HG23	1:A:78:LEU:HB3	2	0.64
(1,1651)	1:A:88:ILE:HG22	1:A:89:GLU:HG3	2	0.64
(1,1651)	1:A:88:ILE:HG21	1:A:89:GLU:HG3	2	0.64
(1,1651)	1:A:88:ILE:HG23	1:A:89:GLU:HG3	2	0.64
(1,150)	1:A:78:LEU:HD12	1:A:92:PHE:HZ	10	0.64
(1,150)	1:A:78:LEU:HD11	1:A:92:PHE:HZ	10	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,150)	1:A:78:LEU:HD13	1:A:92:PHE:HZ	10	0.64
(1,1417)	1:A:73:MET:HB3	1:A:74:VAL:H	5	0.64
(1,1010)	1:A:98:ILE:H	1:A:98:ILE:HG13	1	0.64
(1,791)	1:A:136:LYS:HG3	1:A:136:LYS:HE3	6	0.63
(1,372)	1:A:151:ASN:HA	1:A:151:ASN:HD21	5	0.63
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB2	4	0.63
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB1	4	0.63
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB3	4	0.63
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB2	4	0.63
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB1	4	0.63
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB3	4	0.63
(1,3621)	2:C:40:ILE:HA	2:C:36:ALA:HB2	2	0.63
(1,3621)	2:C:40:ILE:HA	2:C:36:ALA:HB1	2	0.63
(1,3621)	2:C:40:ILE:HA	2:C:36:ALA:HB3	2	0.63
(1,3621)	2:C:40:ILE:HA	2:B:36:ALA:HB2	2	0.63
(1,3621)	2:C:40:ILE:HA	2:B:36:ALA:HB1	2	0.63
(1,3621)	2:C:40:ILE:HA	2:B:36:ALA:HB3	2	0.63
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG22	5	0.63
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG21	5	0.63
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG23	5	0.63
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG22	5	0.63
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG21	5	0.63
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG23	5	0.63
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG22	5	0.63
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG21	5	0.63
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG23	5	0.63
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG22	5	0.63
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG21	5	0.63
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG23	5	0.63
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG22	5	0.63
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG21	5	0.63
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG23	5	0.63
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG22	5	0.63
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG21	5	0.63
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG23	5	0.63
(1,3252)	2:B:21:GLU:HB3	2:B:21:GLU:H	3	0.63
(1,3220)	2:B:34:ASN:HA	2:B:17:SER:H	10	0.63
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB2	1	0.63
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB1	1	0.63
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB3	1	0.63
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB2	1	0.63
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB1	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB3	1	0.63
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB2	1	0.63
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB1	1	0.63
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB3	1	0.63
(1,2500)	2:B:25:ILE:HG22	2:B:20:VAL:HB	1	0.63
(1,2500)	2:B:25:ILE:HG21	2:B:20:VAL:HB	1	0.63
(1,2500)	2:B:25:ILE:HG23	2:B:20:VAL:HB	1	0.63
(1,2299)	2:C:19:ILE:HA	2:C:22:LYS:HD3	2	0.63
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG22	9	0.63
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG21	9	0.63
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG23	9	0.63
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG22	9	0.63
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG21	9	0.63
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG23	9	0.63
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG22	9	0.63
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG21	9	0.63
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG23	9	0.63
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG22	4	0.63
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG21	4	0.63
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG23	4	0.63
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG22	4	0.63
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG21	4	0.63
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG23	4	0.63
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG22	4	0.63
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG21	4	0.63
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG23	4	0.63
(1,2062)	2:B:55:LEU:HD22	2:B:14:ASN:HB2	7	0.63
(1,2062)	2:B:55:LEU:HD21	2:B:14:ASN:HB2	7	0.63
(1,2062)	2:B:55:LEU:HD23	2:B:14:ASN:HB2	7	0.63
(1,791)	1:A:136:LYS:HG3	1:A:136:LYS:HE3	4	0.62
(1,704)	1:A:122:LYS:HE3	1:A:141:ASN:HD21	10	0.62
(1,703)	1:A:122:LYS:HE3	1:A:141:ASN:HD22	1	0.62
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG22	9	0.62
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG21	9	0.62
(1,698)	1:A:79:LYS:HE3	1:A:81:ILE:HG23	9	0.62
(1,58)	1:A:114:ILE:HD12	1:A:99:LEU:HA	9	0.62
(1,58)	1:A:114:ILE:HD11	1:A:99:LEU:HA	9	0.62
(1,58)	1:A:114:ILE:HD13	1:A:99:LEU:HA	9	0.62
(1,3420)	2:B:51:VAL:H	2:B:54:ILE:HG12	7	0.62
(1,3182)	2:B:12:ILE:HD12	2:B:9:ALA:H	10	0.62
(1,3182)	2:B:12:ILE:HD11	2:B:9:ALA:H	10	0.62
(1,3182)	2:B:12:ILE:HD13	2:B:9:ALA:H	10	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3068)	2:B:39:CYS:H	2:B:35:VAL:HB	6	0.62
(1,2964)	2:B:48:ARG:HB3	2:B:48:ARG:H	8	0.62
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD22	1	0.62
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD21	1	0.62
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD23	1	0.62
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD22	1	0.62
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD21	1	0.62
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD23	1	0.62
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD22	1	0.62
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD21	1	0.62
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD23	1	0.62
(1,2251)	2:C:11:LEU:HA	2:C:55:LEU:HB3	1	0.62
(1,2179)	2:C:9:ALA:HA	2:C:12:ILE:HD12	9	0.62
(1,2179)	2:C:9:ALA:HA	2:C:12:ILE:HD11	9	0.62
(1,2179)	2:C:9:ALA:HA	2:C:12:ILE:HD13	9	0.62
(1,151)	1:A:135:LEU:HD12	1:A:135:LEU:H	3	0.62
(1,151)	1:A:135:LEU:HD11	1:A:135:LEU:H	3	0.62
(1,151)	1:A:135:LEU:HD13	1:A:135:LEU:H	3	0.62
(1,13)	1:A:119:LEU:HD22	1:A:98:ILE:HA	7	0.62
(1,13)	1:A:119:LEU:HD21	1:A:98:ILE:HA	7	0.62
(1,13)	1:A:119:LEU:HD23	1:A:98:ILE:HA	7	0.62
(1,118)	1:A:97:THR:HG21	1:A:97:THR:H	9	0.62
(1,118)	1:A:97:THR:HG22	1:A:97:THR:H	9	0.62
(1,118)	1:A:97:THR:HG23	1:A:97:THR:H	9	0.62
(1,1141)	1:A:82:GLN:H	1:A:80:LYS:HG2	2	0.62
(3,33)	1:A:149:LYS:H	1:A:116:GLU:O	9	0.61
(1,979)	1:A:101:ILE:HG12	1:A:101:ILE:H	9	0.61
(1,889)	1:A:130:LEU:HB3	1:A:130:LEU:H	5	0.61
(1,672)	1:A:121:LEU:HD22	1:A:144:ILE:HA	10	0.61
(1,672)	1:A:121:LEU:HD21	1:A:144:ILE:HA	10	0.61
(1,672)	1:A:121:LEU:HD23	1:A:144:ILE:HA	10	0.61
(1,55)	1:A:114:ILE:HD12	1:A:103:GLN:HE22	8	0.61
(1,55)	1:A:114:ILE:HD11	1:A:103:GLN:HE22	8	0.61
(1,55)	1:A:114:ILE:HD13	1:A:103:GLN:HE22	8	0.61
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB2	9	0.61
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB3	9	0.61
(1,4081)	2:C:13:VAL:H	2:C:41:SER:HA	9	0.61
(1,3259)	2:C:22:LYS:HG3	2:C:22:LYS:H	5	0.61
(1,3182)	2:B:12:ILE:HD12	2:B:9:ALA:H	1	0.61
(1,3182)	2:B:12:ILE:HD11	2:B:9:ALA:H	1	0.61
(1,3182)	2:B:12:ILE:HD13	2:B:9:ALA:H	1	0.61
(1,3119)	2:C:48:ARG:HB3	2:C:49:GLU:H	9	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3118)	2:B:48:ARG:HB3	2:B:49:GLU:H	3	0.61
(1,3069)	2:C:39:CYS:H	2:C:35:VAL:HB	3	0.61
(1,2965)	2:C:48:ARG:HB3	2:C:48:ARG:H	2	0.61
(1,2965)	2:C:48:ARG:HB3	2:C:48:ARG:H	5	0.61
(1,2964)	2:B:48:ARG:HB3	2:B:48:ARG:H	3	0.61
(1,2639)	2:C:35:VAL:HG22	2:C:37:MET:HB3	1	0.61
(1,2639)	2:C:35:VAL:HG21	2:C:37:MET:HB3	1	0.61
(1,2639)	2:C:35:VAL:HG23	2:C:37:MET:HB3	1	0.61
(1,229)	1:A:118:LYS:HB2	1:A:118:LYS:HE3	4	0.61
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG22	2	0.61
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG21	2	0.61
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG23	2	0.61
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG22	2	0.61
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG21	2	0.61
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG23	2	0.61
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG22	2	0.61
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG21	2	0.61
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG23	2	0.61
(1,1663)	1:A:85:LYS:HG2	1:A:85:LYS:HE3	1	0.61
(1,1663)	1:A:85:LYS:HG3	1:A:85:LYS:HE3	1	0.61
(1,1656)	1:A:124:LYS:HD3	1:A:121:LEU:HD22	1	0.61
(1,1656)	1:A:124:LYS:HD3	1:A:121:LEU:HD21	1	0.61
(1,1656)	1:A:124:LYS:HD3	1:A:121:LEU:HD23	1	0.61
(1,1656)	1:A:85:LYS:HD3	1:A:81:ILE:HG22	1	0.61
(1,1656)	1:A:85:LYS:HD3	1:A:81:ILE:HG21	1	0.61
(1,1656)	1:A:85:LYS:HD3	1:A:81:ILE:HG23	1	0.61
(1,1593)	1:A:142:SER:HB2	1:A:74:VAL:HB	3	0.61
(1,1593)	1:A:142:SER:HB2	1:A:137:VAL:HB	3	0.61
(1,151)	1:A:135:LEU:HD12	1:A:135:LEU:H	9	0.61
(1,151)	1:A:135:LEU:HD11	1:A:135:LEU:H	9	0.61
(1,151)	1:A:135:LEU:HD13	1:A:135:LEU:H	9	0.61
(1,1417)	1:A:73:MET:HB3	1:A:74:VAL:H	6	0.61
(1,1411)	1:A:116:GLU:HG3	1:A:151:ASN:H	5	0.61
(1,1392)	1:A:144:ILE:HG12	1:A:144:ILE:H	7	0.61
(1,1041)	1:A:108:GLU:HG3	1:A:108:GLU:H	8	0.61
(1,979)	1:A:101:ILE:HG12	1:A:101:ILE:H	2	0.6
(1,717)	1:A:120:LEU:HG	1:A:125:VAL:HA	3	0.6
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB2	1	0.6
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB3	1	0.6
(1,4080)	2:B:13:VAL:H	2:B:41:SER:HA	1	0.6
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB2	4	0.6
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB3	4	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4080)	2:B:13:VAL:H	2:B:41:SER:HA	4	0.6
(1,3162)	2:B:6:GLU:HB2	2:B:7:GLU:H	2	0.6
(1,3162)	2:B:6:GLU:HB2	2:B:7:GLU:H	9	0.6
(1,308)	1:A:129:ASN:HA	1:A:129:ASN:HD21	8	0.6
(1,3069)	2:C:39:CYS:H	2:C:35:VAL:HB	5	0.6
(1,2965)	2:C:48:ARG:HB3	2:C:48:ARG:H	6	0.6
(1,2965)	2:C:48:ARG:HB3	2:C:48:ARG:H	7	0.6
(1,2965)	2:C:48:ARG:HB3	2:C:48:ARG:H	9	0.6
(1,2964)	2:B:48:ARG:HB3	2:B:48:ARG:H	2	0.6
(1,2631)	2:C:51:VAL:HB	2:C:55:LEU:HG	1	0.6
(1,2605)	2:C:14:ASN:HB2	2:C:51:VAL:HG12	9	0.6
(1,2605)	2:C:14:ASN:HB2	2:C:51:VAL:HG11	9	0.6
(1,2605)	2:C:14:ASN:HB2	2:C:51:VAL:HG13	9	0.6
(1,2545)	2:C:51:VAL:HG12	2:C:55:LEU:HG	4	0.6
(1,2545)	2:C:51:VAL:HG11	2:C:55:LEU:HG	4	0.6
(1,2545)	2:C:51:VAL:HG13	2:C:55:LEU:HG	4	0.6
(1,2309)	2:C:52:SER:HA	2:C:55:LEU:HD12	10	0.6
(1,2309)	2:C:52:SER:HA	2:C:55:LEU:HD11	10	0.6
(1,2309)	2:C:52:SER:HA	2:C:55:LEU:HD13	10	0.6
(1,2250)	2:B:11:LEU:HA	2:B:55:LEU:HB3	10	0.6
(1,2088)	2:B:8:ILE:HD12	2:C:19:ILE:HG12	8	0.6
(1,2088)	2:B:8:ILE:HD11	2:C:19:ILE:HG12	8	0.6
(1,2088)	2:B:8:ILE:HD13	2:C:19:ILE:HG12	8	0.6
(1,1670)	1:A:124:LYS:HE3	1:A:126:LEU:HA	6	0.6
(1,1670)	1:A:135:LEU:HA	1:A:124:LYS:HE3	6	0.6
(1,1670)	1:A:136:LYS:HE3	1:A:133:SER:HA	6	0.6
(1,1670)	1:A:136:LYS:HA	1:A:136:LYS:HE3	6	0.6
(1,1211)	1:A:81:ILE:H	1:A:82:GLN:HG2	3	0.6
(1,1133)	1:A:126:LEU:HD12	1:A:126:LEU:H	2	0.6
(1,1133)	1:A:126:LEU:HD11	1:A:126:LEU:H	2	0.6
(1,1133)	1:A:126:LEU:HD13	1:A:126:LEU:H	2	0.6
(3,34)	1:A:149:LYS:N	1:A:116:GLU:O	3	0.59
(1,980)	1:A:101:ILE:HG13	1:A:101:ILE:H	8	0.59
(1,979)	1:A:101:ILE:HG12	1:A:101:ILE:H	1	0.59
(1,700)	1:A:79:LYS:HE3	1:A:81:ILE:HA	6	0.59
(1,55)	1:A:114:ILE:HD12	1:A:103:GLN:HE22	3	0.59
(1,55)	1:A:114:ILE:HD11	1:A:103:GLN:HE22	3	0.59
(1,55)	1:A:114:ILE:HD13	1:A:103:GLN:HE22	3	0.59
(1,511)	1:A:139:PRO:HD2	1:A:138:THR:HB	9	0.59
(1,3643)	2:C:68:ILE:HB	2:C:71:SER:H	1	0.59
(1,3643)	2:C:68:ILE:HB	2:B:54:ILE:H	1	0.59
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB2	3	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB1	3	0.59
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB3	3	0.59
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB2	3	0.59
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB1	3	0.59
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB3	3	0.59
(1,3325)	2:C:27:GLU:HG3	2:C:27:GLU:H	9	0.59
(1,3118)	2:B:48:ARG:HB3	2:B:49:GLU:H	6	0.59
(1,2965)	2:C:48:ARG:HB3	2:C:48:ARG:H	4	0.59
(1,2964)	2:B:48:ARG:HB3	2:B:48:ARG:H	5	0.59
(1,2964)	2:B:48:ARG:HB3	2:B:48:ARG:H	6	0.59
(1,2964)	2:B:48:ARG:HB3	2:B:48:ARG:H	10	0.59
(1,2941)	2:C:44:PHE:HZ	2:B:33:LEU:HD22	4	0.59
(1,2941)	2:C:44:PHE:HZ	2:B:33:LEU:HD21	4	0.59
(1,2941)	2:C:44:PHE:HZ	2:B:33:LEU:HD23	4	0.59
(1,247)	1:A:103:GLN:HG2	1:A:100:GLN:HE22	6	0.59
(1,2193)	2:C:25:ILE:HD12	2:C:30:ALA:HA	8	0.59
(1,2193)	2:C:25:ILE:HD11	2:C:30:ALA:HA	8	0.59
(1,2193)	2:C:25:ILE:HD13	2:C:30:ALA:HA	8	0.59
(1,2158)	2:B:13:VAL:HG22	2:B:48:ARG:HD3	3	0.59
(1,2158)	2:B:13:VAL:HG21	2:B:48:ARG:HD3	3	0.59
(1,2158)	2:B:13:VAL:HG23	2:B:48:ARG:HD3	3	0.59
(1,2039)	2:C:5:LYS:HB3	2:C:44:PHE:HZ	5	0.59
(1,174)	1:A:132:LEU:HD22	1:A:92:PHE:HA	8	0.59
(1,174)	1:A:132:LEU:HD21	1:A:92:PHE:HA	8	0.59
(1,174)	1:A:132:LEU:HD23	1:A:92:PHE:HA	8	0.59
(1,162)	1:A:78:LEU:HD22	1:A:92:PHE:HZ	9	0.59
(1,162)	1:A:78:LEU:HD21	1:A:92:PHE:HZ	9	0.59
(1,162)	1:A:78:LEU:HD23	1:A:92:PHE:HZ	9	0.59
(1,1593)	1:A:142:SER:HB2	1:A:74:VAL:HB	7	0.59
(1,1593)	1:A:142:SER:HB2	1:A:137:VAL:HB	7	0.59
(1,1211)	1:A:81:ILE:H	1:A:82:GLN:HG2	4	0.59
(1,118)	1:A:97:THR:HG21	1:A:97:THR:H	1	0.59
(1,118)	1:A:97:THR:HG22	1:A:97:THR:H	1	0.59
(1,118)	1:A:97:THR:HG23	1:A:97:THR:H	1	0.59
(1,1037)	1:A:107:SER:HB3	1:A:107:SER:H	2	0.59
(1,1010)	1:A:98:ILE:H	1:A:98:ILE:HG13	4	0.59
(1,979)	1:A:101:ILE:HG12	1:A:101:ILE:H	7	0.58
(1,720)	1:A:148:ILE:HD12	1:A:86:PHE:HZ	7	0.58
(1,720)	1:A:148:ILE:HD11	1:A:86:PHE:HZ	7	0.58
(1,720)	1:A:148:ILE:HD13	1:A:86:PHE:HZ	7	0.58
(1,704)	1:A:122:LYS:HE3	1:A:141:ASN:HD21	6	0.58
(1,3934)	2:B:55:LEU:HD12	2:B:6:GLU:HB2	5	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3934)	2:B:55:LEU:HD11	2:B:6:GLU:HB2	5	0.58
(1,3934)	2:B:55:LEU:HD13	2:B:6:GLU:HB2	5	0.58
(1,3934)	2:B:55:LEU:HD12	2:B:7:GLU:HG2	5	0.58
(1,3934)	2:B:55:LEU:HD11	2:B:7:GLU:HG2	5	0.58
(1,3934)	2:B:55:LEU:HD13	2:B:7:GLU:HG2	5	0.58
(1,3642)	2:B:68:ILE:HB	2:B:71:SER:H	10	0.58
(1,3642)	2:B:68:ILE:HB	2:C:54:ILE:H	10	0.58
(1,3420)	2:B:51:VAL:H	2:B:54:ILE:HG12	3	0.58
(1,3222)	2:B:17:SER:HB3	2:B:17:SER:H	4	0.58
(1,3197)	2:C:14:ASN:H	2:C:48:ARG:HA	8	0.58
(1,3118)	2:B:48:ARG:HB3	2:B:49:GLU:H	4	0.58
(1,2964)	2:B:48:ARG:HB3	2:B:48:ARG:H	4	0.58
(1,2645)	2:C:20:VAL:HG12	2:C:33:LEU:HD22	1	0.58
(1,2645)	2:C:20:VAL:HG12	2:C:33:LEU:HD21	1	0.58
(1,2645)	2:C:20:VAL:HG12	2:C:33:LEU:HD23	1	0.58
(1,2645)	2:C:20:VAL:HG11	2:C:33:LEU:HD22	1	0.58
(1,2645)	2:C:20:VAL:HG11	2:C:33:LEU:HD21	1	0.58
(1,2645)	2:C:20:VAL:HG11	2:C:33:LEU:HD23	1	0.58
(1,2645)	2:C:20:VAL:HG13	2:C:33:LEU:HD22	1	0.58
(1,2645)	2:C:20:VAL:HG13	2:C:33:LEU:HD21	1	0.58
(1,2645)	2:C:20:VAL:HG13	2:C:33:LEU:HD23	1	0.58
(1,2641)	2:C:33:LEU:HD12	2:C:20:VAL:HG12	10	0.58
(1,2641)	2:C:33:LEU:HD12	2:C:20:VAL:HG11	10	0.58
(1,2641)	2:C:33:LEU:HD12	2:C:20:VAL:HG13	10	0.58
(1,2641)	2:C:33:LEU:HD11	2:C:20:VAL:HG12	10	0.58
(1,2641)	2:C:33:LEU:HD11	2:C:20:VAL:HG11	10	0.58
(1,2641)	2:C:33:LEU:HD11	2:C:20:VAL:HG13	10	0.58
(1,2641)	2:C:33:LEU:HD13	2:C:20:VAL:HG12	10	0.58
(1,2641)	2:C:33:LEU:HD13	2:C:20:VAL:HG11	10	0.58
(1,2641)	2:C:33:LEU:HD13	2:C:20:VAL:HG13	10	0.58
(1,25)	1:A:144:ILE:HD12	1:A:120:LEU:H	8	0.58
(1,25)	1:A:144:ILE:HD11	1:A:120:LEU:H	8	0.58
(1,25)	1:A:144:ILE:HD13	1:A:120:LEU:H	8	0.58
(1,2280)	2:B:12:ILE:HA	2:B:12:ILE:HG13	5	0.58
(1,2159)	2:C:13:VAL:HG22	2:C:48:ARG:HD3	7	0.58
(1,2159)	2:C:13:VAL:HG21	2:C:48:ARG:HD3	7	0.58
(1,2159)	2:C:13:VAL:HG23	2:C:48:ARG:HD3	7	0.58
(1,1809)	1:A:103:GLN:HE22	1:A:99:LEU:HD12	5	0.58
(1,1809)	1:A:103:GLN:HE22	1:A:99:LEU:HD11	5	0.58
(1,1809)	1:A:103:GLN:HE22	1:A:99:LEU:HD13	5	0.58
(1,1809)	1:A:103:GLN:HE22	1:A:114:ILE:HG22	5	0.58
(1,1809)	1:A:103:GLN:HE22	1:A:114:ILE:HG21	5	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1809)	1:A:103:GLN:HE22	1:A:114:ILE:HG23	5	0.58
(1,151)	1:A:135:LEU:HD12	1:A:135:LEU:H	6	0.58
(1,151)	1:A:135:LEU:HD11	1:A:135:LEU:H	6	0.58
(1,151)	1:A:135:LEU:HD13	1:A:135:LEU:H	6	0.58
(1,118)	1:A:97:THR:HG21	1:A:97:THR:H	2	0.58
(1,118)	1:A:97:THR:HG22	1:A:97:THR:H	2	0.58
(1,118)	1:A:97:THR:HG23	1:A:97:THR:H	2	0.58
(1,979)	1:A:101:ILE:HG12	1:A:101:ILE:H	10	0.57
(1,791)	1:A:136:LYS:HG3	1:A:136:LYS:HE3	5	0.57
(1,720)	1:A:148:ILE:HD12	1:A:86:PHE:HZ	3	0.57
(1,720)	1:A:148:ILE:HD11	1:A:86:PHE:HZ	3	0.57
(1,720)	1:A:148:ILE:HD13	1:A:86:PHE:HZ	3	0.57
(1,717)	1:A:120:LEU:HG	1:A:125:VAL:HA	5	0.57
(1,695)	1:A:79:LYS:HE3	1:A:81:ILE:HB	8	0.57
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD12	7	0.57
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD11	7	0.57
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD13	7	0.57
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD12	7	0.57
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD11	7	0.57
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD13	7	0.57
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD12	7	0.57
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD11	7	0.57
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD13	7	0.57
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG22	7	0.57
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG21	7	0.57
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG23	7	0.57
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG22	7	0.57
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG21	7	0.57
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG23	7	0.57
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG22	7	0.57
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG21	7	0.57
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG23	7	0.57
(1,3545)	2:C:51:VAL:HG22	2:C:47:GLU:HB2	3	0.57
(1,3545)	2:C:51:VAL:HG21	2:C:47:GLU:HB2	3	0.57
(1,3545)	2:C:51:VAL:HG23	2:C:47:GLU:HB2	3	0.57
(1,3545)	2:C:51:VAL:HG22	2:C:48:ARG:HB3	3	0.57
(1,3545)	2:C:51:VAL:HG21	2:C:48:ARG:HB3	3	0.57
(1,3545)	2:C:51:VAL:HG23	2:C:48:ARG:HB3	3	0.57
(1,3421)	2:C:51:VAL:H	2:C:54:ILE:HG12	3	0.57
(1,3223)	2:C:17:SER:HB3	2:C:17:SER:H	1	0.57
(1,3223)	2:C:17:SER:HB3	2:C:17:SER:H	4	0.57
(1,3222)	2:B:17:SER:HB3	2:B:17:SER:H	1	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3222)	2:B:17:SER:HB3	2:B:17:SER:H	9	0.57
(1,3163)	2:C:6:GLU:HB2	2:C:7:GLU:H	1	0.57
(1,3119)	2:C:48:ARG:HB3	2:C:49:GLU:H	5	0.57
(1,3069)	2:C:39:CYS:H	2:C:35:VAL:HB	6	0.57
(1,2965)	2:C:48:ARG:HB3	2:C:48:ARG:H	1	0.57
(1,2964)	2:B:48:ARG:HB3	2:B:48:ARG:H	7	0.57
(1,2693)	2:C:50:ALA:HB2	2:C:47:GLU:HB2	1	0.57
(1,2693)	2:C:50:ALA:HB1	2:C:47:GLU:HB2	1	0.57
(1,2693)	2:C:50:ALA:HB3	2:C:47:GLU:HB2	1	0.57
(1,2629)	2:C:37:MET:HB3	2:C:17:SER:HB3	6	0.57
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB2	6	0.57
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB1	6	0.57
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB3	6	0.57
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB2	6	0.57
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB1	6	0.57
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB3	6	0.57
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB2	6	0.57
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB1	6	0.57
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB3	6	0.57
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG22	5	0.57
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG21	5	0.57
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG23	5	0.57
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG22	5	0.57
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG21	5	0.57
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG23	5	0.57
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG22	5	0.57
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG21	5	0.57
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG23	5	0.57
(1,180)	1:A:132:LEU:HD12	1:A:96:ASP:HB2	2	0.57
(1,180)	1:A:132:LEU:HD11	1:A:96:ASP:HB2	2	0.57
(1,180)	1:A:132:LEU:HD13	1:A:96:ASP:HB2	2	0.57
(1,174)	1:A:132:LEU:HD22	1:A:92:PHE:HA	2	0.57
(1,174)	1:A:132:LEU:HD21	1:A:92:PHE:HA	2	0.57
(1,174)	1:A:132:LEU:HD23	1:A:92:PHE:HA	2	0.57
(1,1663)	1:A:85:LYS:HG2	1:A:85:LYS:HE3	6	0.57
(1,1663)	1:A:85:LYS:HG3	1:A:85:LYS:HE3	6	0.57
(1,1656)	1:A:124:LYS:HD3	1:A:121:LEU:HD22	8	0.57
(1,1656)	1:A:124:LYS:HD3	1:A:121:LEU:HD21	8	0.57
(1,1656)	1:A:124:LYS:HD3	1:A:121:LEU:HD23	8	0.57
(1,1656)	1:A:85:LYS:HD3	1:A:81:ILE:HG22	8	0.57
(1,1656)	1:A:85:LYS:HD3	1:A:81:ILE:HG21	8	0.57
(1,1656)	1:A:85:LYS:HD3	1:A:81:ILE:HG23	8	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:A:135:LEU:HD12	1:A:135:LEU:H	4	0.57
(1,151)	1:A:135:LEU:HD11	1:A:135:LEU:H	4	0.57
(1,151)	1:A:135:LEU:HD13	1:A:135:LEU:H	4	0.57
(1,13)	1:A:119:LEU:HD22	1:A:98:ILE:HA	8	0.57
(1,13)	1:A:119:LEU:HD21	1:A:98:ILE:HA	8	0.57
(1,13)	1:A:119:LEU:HD23	1:A:98:ILE:HA	8	0.57
(1,1167)	1:A:124:LYS:HG2	1:A:125:VAL:H	1	0.57
(1,1010)	1:A:98:ILE:H	1:A:98:ILE:HG13	8	0.57
(1,738)	1:A:115:SER:HA	1:A:114:ILE:HG13	7	0.56
(1,703)	1:A:122:LYS:HE3	1:A:141:ASN:HD22	6	0.56
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB2	1	0.56
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB3	1	0.56
(1,4081)	2:C:13:VAL:H	2:C:41:SER:HA	1	0.56
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB2	7	0.56
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB3	7	0.56
(1,4080)	2:B:13:VAL:H	2:B:41:SER:HA	7	0.56
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD12	6	0.56
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD11	6	0.56
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD13	6	0.56
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD12	6	0.56
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD11	6	0.56
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD13	6	0.56
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD12	6	0.56
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD11	6	0.56
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD13	6	0.56
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG22	6	0.56
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG21	6	0.56
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG23	6	0.56
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG22	6	0.56
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG21	6	0.56
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG23	6	0.56
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG22	6	0.56
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG21	6	0.56
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG23	6	0.56
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB2	9	0.56
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB1	9	0.56
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB3	9	0.56
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB2	9	0.56
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB1	9	0.56
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB3	9	0.56
(1,35)	1:A:106:ILE:HD12	1:A:113:HIS:HA	4	0.56
(1,35)	1:A:106:ILE:HD11	1:A:113:HIS:HA	4	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:A:106:ILE:HD13	1:A:113:HIS:HA	4	0.56
(1,3223)	2:C:17:SER:HB3	2:C:17:SER:H	10	0.56
(1,3222)	2:B:17:SER:HB3	2:B:17:SER:H	10	0.56
(1,3162)	2:B:6:GLU:HB2	2:B:7:GLU:H	4	0.56
(1,3147)	2:C:6:GLU:H	2:C:6:GLU:HB3	4	0.56
(1,3146)	2:B:6:GLU:H	2:B:6:GLU:HB3	10	0.56
(1,2695)	2:C:54:ILE:HG22	2:C:46:PHE:HB2	8	0.56
(1,2695)	2:C:54:ILE:HG21	2:C:46:PHE:HB2	8	0.56
(1,2695)	2:C:54:ILE:HG23	2:C:46:PHE:HB2	8	0.56
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG12	6	0.56
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG11	6	0.56
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG13	6	0.56
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG12	6	0.56
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG11	6	0.56
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG13	6	0.56
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG12	6	0.56
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG11	6	0.56
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG13	6	0.56
(1,2615)	2:C:13:VAL:HG12	2:C:48:ARG:HG2	5	0.56
(1,2615)	2:C:13:VAL:HG11	2:C:48:ARG:HG2	5	0.56
(1,2615)	2:C:13:VAL:HG13	2:C:48:ARG:HG2	5	0.56
(1,2545)	2:C:51:VAL:HG12	2:C:55:LEU:HG	8	0.56
(1,2545)	2:C:51:VAL:HG11	2:C:55:LEU:HG	8	0.56
(1,2545)	2:C:51:VAL:HG13	2:C:55:LEU:HG	8	0.56
(1,231)	1:A:149:LYS:HB3	1:A:149:LYS:HE3	5	0.56
(1,2193)	2:C:25:ILE:HD12	2:C:30:ALA:HA	3	0.56
(1,2193)	2:C:25:ILE:HD11	2:C:30:ALA:HA	3	0.56
(1,2193)	2:C:25:ILE:HD13	2:C:30:ALA:HA	3	0.56
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG22	2	0.56
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG21	2	0.56
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG23	2	0.56
(1,2038)	2:B:5:LYS:HB3	2:B:44:PHE:HZ	3	0.56
(1,183)	1:A:99:LEU:HD12	1:A:100:GLN:HE22	8	0.56
(1,183)	1:A:99:LEU:HD11	1:A:100:GLN:HE22	8	0.56
(1,183)	1:A:99:LEU:HD13	1:A:100:GLN:HE22	8	0.56
(1,174)	1:A:132:LEU:HD22	1:A:92:PHE:HA	4	0.56
(1,174)	1:A:132:LEU:HD21	1:A:92:PHE:HA	4	0.56
(1,174)	1:A:132:LEU:HD23	1:A:92:PHE:HA	4	0.56
(1,1653)	1:A:126:LEU:HD12	1:A:124:LYS:HD3	9	0.56
(1,1653)	1:A:126:LEU:HD11	1:A:124:LYS:HD3	9	0.56
(1,1653)	1:A:126:LEU:HD13	1:A:124:LYS:HD3	9	0.56
(1,1653)	1:A:126:LEU:HD12	1:A:126:LEU:HB3	9	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1653)	1:A:126:LEU:HD11	1:A:126:LEU:HB3	9	0.56
(1,1653)	1:A:126:LEU:HD13	1:A:126:LEU:HB3	9	0.56
(1,1623)	1:A:126:LEU:HG	1:A:124:LYS:HE3	2	0.56
(1,1623)	1:A:126:LEU:HG	1:A:127:HIS:HB2	2	0.56
(1,1623)	1:A:126:LEU:HG	1:A:134:ASP:HB2	2	0.56
(1,151)	1:A:135:LEU:HD12	1:A:135:LEU:H	2	0.56
(1,151)	1:A:135:LEU:HD11	1:A:135:LEU:H	2	0.56
(1,151)	1:A:135:LEU:HD13	1:A:135:LEU:H	2	0.56
(1,1446)	1:A:97:THR:HG21	1:A:96:ASP:HB3	5	0.56
(1,1446)	1:A:97:THR:HG22	1:A:96:ASP:HB3	5	0.56
(1,1446)	1:A:97:THR:HG23	1:A:96:ASP:HB3	5	0.56
(1,1446)	1:A:97:THR:HG21	1:A:100:GLN:HG3	5	0.56
(1,1446)	1:A:97:THR:HG22	1:A:100:GLN:HG3	5	0.56
(1,1446)	1:A:97:THR:HG23	1:A:100:GLN:HG3	5	0.56
(1,1408)	1:A:148:ILE:HG22	1:A:149:LYS:H	2	0.56
(1,1408)	1:A:148:ILE:HG21	1:A:149:LYS:H	2	0.56
(1,1408)	1:A:148:ILE:HG23	1:A:149:LYS:H	2	0.56
(1,804)	1:A:121:LEU:HD22	1:A:141:ASN:HD21	8	0.55
(1,804)	1:A:121:LEU:HD21	1:A:141:ASN:HD21	8	0.55
(1,804)	1:A:121:LEU:HD23	1:A:141:ASN:HD21	8	0.55
(1,655)	1:A:81:ILE:HG12	1:A:145:THR:HA	6	0.55
(1,3837)	2:C:55:LEU:HB3	2:C:55:LEU:H	9	0.55
(1,3837)	2:C:55:LEU:HB3	2:C:56:GLY:H	9	0.55
(1,3719)	2:C:54:ILE:HG22	2:C:13:VAL:HG22	9	0.55
(1,3719)	2:C:54:ILE:HG22	2:C:13:VAL:HG21	9	0.55
(1,3719)	2:C:54:ILE:HG22	2:C:13:VAL:HG23	9	0.55
(1,3719)	2:C:54:ILE:HG21	2:C:13:VAL:HG22	9	0.55
(1,3719)	2:C:54:ILE:HG21	2:C:13:VAL:HG21	9	0.55
(1,3719)	2:C:54:ILE:HG21	2:C:13:VAL:HG23	9	0.55
(1,3719)	2:C:54:ILE:HG23	2:C:13:VAL:HG22	9	0.55
(1,3719)	2:C:54:ILE:HG23	2:C:13:VAL:HG21	9	0.55
(1,3719)	2:C:54:ILE:HG23	2:C:13:VAL:HG23	9	0.55
(1,3719)	2:C:54:ILE:HG22	2:C:40:ILE:HG22	9	0.55
(1,3719)	2:C:54:ILE:HG22	2:C:40:ILE:HG21	9	0.55
(1,3719)	2:C:54:ILE:HG22	2:C:40:ILE:HG23	9	0.55
(1,3719)	2:C:54:ILE:HG21	2:C:40:ILE:HG22	9	0.55
(1,3719)	2:C:54:ILE:HG21	2:C:40:ILE:HG21	9	0.55
(1,3719)	2:C:54:ILE:HG21	2:C:40:ILE:HG23	9	0.55
(1,3719)	2:C:54:ILE:HG23	2:C:40:ILE:HG22	9	0.55
(1,3719)	2:C:54:ILE:HG23	2:C:40:ILE:HG21	9	0.55
(1,3719)	2:C:54:ILE:HG23	2:C:40:ILE:HG23	9	0.55
(1,3671)	2:C:3:ALA:HB2	2:C:60:PHE:HD1	4	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3671)	2:C:3:ALA:HB2	2:C:60:PHE:HD2	4	0.55
(1,3671)	2:C:3:ALA:HB1	2:C:60:PHE:HD1	4	0.55
(1,3671)	2:C:3:ALA:HB1	2:C:60:PHE:HD2	4	0.55
(1,3671)	2:C:3:ALA:HB3	2:C:60:PHE:HD1	4	0.55
(1,3671)	2:C:3:ALA:HB3	2:C:60:PHE:HD2	4	0.55
(1,3671)	2:C:3:ALA:HB2	2:B:60:PHE:HD1	4	0.55
(1,3671)	2:C:3:ALA:HB2	2:B:60:PHE:HD2	4	0.55
(1,3671)	2:C:3:ALA:HB1	2:B:60:PHE:HD1	4	0.55
(1,3671)	2:C:3:ALA:HB1	2:B:60:PHE:HD2	4	0.55
(1,3671)	2:C:3:ALA:HB3	2:B:60:PHE:HD1	4	0.55
(1,3671)	2:C:3:ALA:HB3	2:B:60:PHE:HD2	4	0.55
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB2	7	0.55
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB1	7	0.55
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB3	7	0.55
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB2	7	0.55
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB1	7	0.55
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB3	7	0.55
(1,3543)	2:C:51:VAL:HG22	2:C:13:VAL:HB	2	0.55
(1,3543)	2:C:51:VAL:HG21	2:C:13:VAL:HB	2	0.55
(1,3543)	2:C:51:VAL:HG23	2:C:13:VAL:HB	2	0.55
(1,3543)	2:C:51:VAL:HG22	2:C:49:GLU:HG3	2	0.55
(1,3543)	2:C:51:VAL:HG21	2:C:49:GLU:HG3	2	0.55
(1,3543)	2:C:51:VAL:HG23	2:C:49:GLU:HG3	2	0.55
(1,3324)	2:B:27:GLU:HG3	2:B:27:GLU:H	1	0.55
(1,3223)	2:C:17:SER:HB3	2:C:17:SER:H	5	0.55
(1,3223)	2:C:17:SER:HB3	2:C:17:SER:H	9	0.55
(1,3222)	2:B:17:SER:HB3	2:B:17:SER:H	5	0.55
(1,3147)	2:C:6:GLU:H	2:C:6:GLU:HB3	2	0.55
(1,3147)	2:C:6:GLU:H	2:C:6:GLU:HB3	9	0.55
(1,3146)	2:B:6:GLU:H	2:B:6:GLU:HB3	1	0.55
(1,3119)	2:C:48:ARG:HB3	2:C:49:GLU:H	2	0.55
(1,3068)	2:B:39:CYS:H	2:B:35:VAL:HB	8	0.55
(1,3029)	2:C:55:LEU:HB3	2:C:56:GLY:H	9	0.55
(1,2043)	2:C:5:LYS:HD3	2:C:44:PHE:HZ	5	0.55
(1,2038)	2:B:5:LYS:HB3	2:B:44:PHE:HZ	6	0.55
(1,1803)	1:A:82:GLN:HE21	1:A:81:ILE:HG22	5	0.55
(1,1803)	1:A:82:GLN:HE21	1:A:81:ILE:HG21	5	0.55
(1,1803)	1:A:82:GLN:HE21	1:A:81:ILE:HG23	5	0.55
(1,1803)	1:A:82:GLN:HE21	1:A:81:ILE:HD12	5	0.55
(1,1803)	1:A:82:GLN:HE21	1:A:81:ILE:HD11	5	0.55
(1,1803)	1:A:82:GLN:HE21	1:A:81:ILE:HD13	5	0.55
(1,174)	1:A:132:LEU:HD22	1:A:92:PHE:HA	5	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,174)	1:A:132:LEU:HD21	1:A:92:PHE:HA	5	0.55
(1,174)	1:A:132:LEU:HD23	1:A:92:PHE:HA	5	0.55
(1,1663)	1:A:85:LYS:HG2	1:A:85:LYS:HE3	10	0.55
(1,1663)	1:A:85:LYS:HG3	1:A:85:LYS:HE3	10	0.55
(1,1419)	1:A:107:SER:HB3	1:A:108:GLU:H	10	0.55
(1,1198)	1:A:113:HIS:H	1:A:116:GLU:HB3	8	0.55
(1,1010)	1:A:98:ILE:H	1:A:98:ILE:HG13	6	0.55
(1,980)	1:A:101:ILE:HG13	1:A:101:ILE:H	9	0.54
(1,979)	1:A:101:ILE:HG12	1:A:101:ILE:H	4	0.54
(1,979)	1:A:101:ILE:HG12	1:A:101:ILE:H	8	0.54
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG22	10	0.54
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG21	10	0.54
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG23	10	0.54
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG22	10	0.54
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG21	10	0.54
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG23	10	0.54
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG22	10	0.54
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG21	10	0.54
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG23	10	0.54
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG22	10	0.54
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG21	10	0.54
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG23	10	0.54
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG22	10	0.54
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG21	10	0.54
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG23	10	0.54
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG22	10	0.54
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG21	10	0.54
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG23	10	0.54
(1,372)	1:A:151:ASN:HA	1:A:151:ASN:HD21	1	0.54
(1,3621)	2:C:40:ILE:HA	2:C:36:ALA:HB2	7	0.54
(1,3621)	2:C:40:ILE:HA	2:C:36:ALA:HB1	7	0.54
(1,3621)	2:C:40:ILE:HA	2:C:36:ALA:HB3	7	0.54
(1,3621)	2:C:40:ILE:HA	2:B:36:ALA:HB2	7	0.54
(1,3621)	2:C:40:ILE:HA	2:B:36:ALA:HB1	7	0.54
(1,3621)	2:C:40:ILE:HA	2:B:36:ALA:HB3	7	0.54
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG22	8	0.54
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG21	8	0.54
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG23	8	0.54
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG22	8	0.54
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG21	8	0.54
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG23	8	0.54
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG22	8	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG21	8	0.54
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG23	8	0.54
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG22	8	0.54
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG21	8	0.54
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG23	8	0.54
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG22	8	0.54
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG21	8	0.54
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG23	8	0.54
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG22	8	0.54
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG21	8	0.54
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG23	8	0.54
(1,3542)	2:B:51:VAL:HG22	2:B:13:VAL:HB	6	0.54
(1,3542)	2:B:51:VAL:HG21	2:B:13:VAL:HB	6	0.54
(1,3542)	2:B:51:VAL:HG23	2:B:13:VAL:HB	6	0.54
(1,3542)	2:B:51:VAL:HG22	2:B:49:GLU:HG3	6	0.54
(1,3542)	2:B:51:VAL:HG21	2:B:49:GLU:HG3	6	0.54
(1,3542)	2:B:51:VAL:HG23	2:B:49:GLU:HG3	6	0.54
(1,3163)	2:C:6:GLU:HB2	2:C:7:GLU:H	7	0.54
(1,3071)	2:C:40:ILE:HG13	2:C:40:ILE:H	2	0.54
(1,2964)	2:B:48:ARG:HB3	2:B:48:ARG:H	1	0.54
(1,2534)	2:B:36:ALA:HB2	2:C:40:ILE:HG13	8	0.54
(1,2534)	2:B:36:ALA:HB1	2:C:40:ILE:HG13	8	0.54
(1,2534)	2:B:36:ALA:HB3	2:C:40:ILE:HG13	8	0.54
(1,2209)	2:C:23:LYS:HD2	2:C:23:LYS:HA	7	0.54
(1,2209)	2:C:23:LYS:HD3	2:C:23:LYS:HA	7	0.54
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG22	1	0.54
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG21	1	0.54
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG23	1	0.54
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG22	1	0.54
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG21	1	0.54
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG23	1	0.54
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG22	1	0.54
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG21	1	0.54
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG23	1	0.54
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG22	3	0.54
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG21	3	0.54
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG23	3	0.54
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG22	3	0.54
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG21	3	0.54
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG23	3	0.54
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG22	3	0.54
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG21	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG23	3	0.54
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG22	7	0.54
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG21	7	0.54
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG23	7	0.54
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG22	7	0.54
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG21	7	0.54
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG23	7	0.54
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG22	7	0.54
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG21	7	0.54
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG23	7	0.54
(1,2043)	2:C:5:LYS:HD3	2:C:44:PHE:HZ	3	0.54
(1,135)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	2	0.54
(1,135)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	2	0.54
(1,135)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	2	0.54
(1,749)	1:A:124:LYS:HG2	1:A:125:VAL:HA	8	0.53
(1,717)	1:A:120:LEU:HG	1:A:125:VAL:HA	6	0.53
(1,683)	1:A:106:ILE:HG12	1:A:106:ILE:H	2	0.53
(1,535)	1:A:150:PRO:HA	1:A:116:GLU:HG3	4	0.53
(1,535)	1:A:150:PRO:HA	1:A:116:GLU:HG3	8	0.53
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB2	6	0.53
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB3	6	0.53
(1,4080)	2:B:13:VAL:H	2:B:41:SER:HA	6	0.53
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD12	1	0.53
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD11	1	0.53
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD13	1	0.53
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD12	1	0.53
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD11	1	0.53
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD13	1	0.53
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD12	1	0.53
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD11	1	0.53
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD13	1	0.53
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG22	1	0.53
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG21	1	0.53
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG23	1	0.53
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG22	1	0.53
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG21	1	0.53
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG23	1	0.53
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG22	1	0.53
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG21	1	0.53
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG23	1	0.53
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD12	5	0.53
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD11	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD13	5	0.53
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD12	5	0.53
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD11	5	0.53
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD13	5	0.53
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD12	5	0.53
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD11	5	0.53
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD13	5	0.53
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG22	5	0.53
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG21	5	0.53
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG23	5	0.53
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG22	5	0.53
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG21	5	0.53
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG23	5	0.53
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG22	5	0.53
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG21	5	0.53
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG23	5	0.53
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD12	7	0.53
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD11	7	0.53
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD13	7	0.53
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD12	7	0.53
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD11	7	0.53
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD13	7	0.53
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD12	7	0.53
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD11	7	0.53
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD13	7	0.53
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG22	7	0.53
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG21	7	0.53
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG23	7	0.53
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG22	7	0.53
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG21	7	0.53
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG23	7	0.53
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG22	7	0.53
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG21	7	0.53
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG23	7	0.53
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG22	8	0.53
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG21	8	0.53
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG23	8	0.53
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG22	8	0.53
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG21	8	0.53
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG23	8	0.53
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG22	8	0.53
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG21	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG23	8	0.53
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG22	8	0.53
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG21	8	0.53
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG23	8	0.53
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG22	8	0.53
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG21	8	0.53
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG23	8	0.53
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG22	8	0.53
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG21	8	0.53
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG23	8	0.53
(1,3670)	2:B:3:ALA:HB2	2:B:60:PHE:HD1	4	0.53
(1,3670)	2:B:3:ALA:HB2	2:B:60:PHE:HD2	4	0.53
(1,3670)	2:B:3:ALA:HB1	2:B:60:PHE:HD1	4	0.53
(1,3670)	2:B:3:ALA:HB1	2:B:60:PHE:HD2	4	0.53
(1,3670)	2:B:3:ALA:HB3	2:B:60:PHE:HD1	4	0.53
(1,3670)	2:B:3:ALA:HB3	2:B:60:PHE:HD2	4	0.53
(1,3670)	2:B:3:ALA:HB2	2:C:60:PHE:HD1	4	0.53
(1,3670)	2:B:3:ALA:HB2	2:C:60:PHE:HD2	4	0.53
(1,3670)	2:B:3:ALA:HB1	2:C:60:PHE:HD1	4	0.53
(1,3670)	2:B:3:ALA:HB1	2:C:60:PHE:HD2	4	0.53
(1,3670)	2:B:3:ALA:HB3	2:C:60:PHE:HD1	4	0.53
(1,3670)	2:B:3:ALA:HB3	2:C:60:PHE:HD2	4	0.53
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG22	9	0.53
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG21	9	0.53
(1,3576)	2:B:33:LEU:HD22	2:B:12:ILE:HG23	9	0.53
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG22	9	0.53
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG21	9	0.53
(1,3576)	2:B:33:LEU:HD21	2:B:12:ILE:HG23	9	0.53
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG22	9	0.53
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG21	9	0.53
(1,3576)	2:B:33:LEU:HD23	2:B:12:ILE:HG23	9	0.53
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG22	9	0.53
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG21	9	0.53
(1,3576)	2:B:33:LEU:HD22	2:B:19:ILE:HG23	9	0.53
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG22	9	0.53
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG21	9	0.53
(1,3576)	2:B:33:LEU:HD21	2:B:19:ILE:HG23	9	0.53
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG22	9	0.53
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG21	9	0.53
(1,3576)	2:B:33:LEU:HD23	2:B:19:ILE:HG23	9	0.53
(1,35)	1:A:106:ILE:HD12	1:A:113:HIS:HA	5	0.53
(1,35)	1:A:106:ILE:HD11	1:A:113:HIS:HA	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:A:106:ILE:HD13	1:A:113:HIS:HA	5	0.53
(1,35)	1:A:106:ILE:HD12	1:A:113:HIS:HA	10	0.53
(1,35)	1:A:106:ILE:HD11	1:A:113:HIS:HA	10	0.53
(1,35)	1:A:106:ILE:HD13	1:A:113:HIS:HA	10	0.53
(1,3182)	2:B:12:ILE:HD12	2:B:9:ALA:H	2	0.53
(1,3182)	2:B:12:ILE:HD11	2:B:9:ALA:H	2	0.53
(1,3182)	2:B:12:ILE:HD13	2:B:9:ALA:H	2	0.53
(1,3163)	2:C:6:GLU:HB2	2:C:7:GLU:H	8	0.53
(1,3146)	2:B:6:GLU:H	2:B:6:GLU:HB3	6	0.53
(1,3068)	2:B:39:CYS:H	2:B:35:VAL:HB	1	0.53
(1,2957)	2:C:16:PHE:HE1	2:B:12:ILE:HD12	3	0.53
(1,2957)	2:C:16:PHE:HE1	2:B:12:ILE:HD11	3	0.53
(1,2957)	2:C:16:PHE:HE1	2:B:12:ILE:HD13	3	0.53
(1,2957)	2:C:16:PHE:HE2	2:B:12:ILE:HD12	3	0.53
(1,2957)	2:C:16:PHE:HE2	2:B:12:ILE:HD11	3	0.53
(1,2957)	2:C:16:PHE:HE2	2:B:12:ILE:HD13	3	0.53
(1,2250)	2:B:11:LEU:HA	2:B:55:LEU:HB3	9	0.53
(1,2211)	2:C:22:LYS:HA	2:C:24:GLU:HB2	9	0.53
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG22	1	0.53
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG21	1	0.53
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG23	1	0.53
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG22	10	0.53
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG21	10	0.53
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG23	10	0.53
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG22	10	0.53
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG21	10	0.53
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG23	10	0.53
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG22	10	0.53
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG21	10	0.53
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG23	10	0.53
(1,1829)	1:A:147:MET:H	1:A:119:LEU:HD12	5	0.53
(1,1829)	1:A:147:MET:H	1:A:119:LEU:HD11	5	0.53
(1,1829)	1:A:147:MET:H	1:A:119:LEU:HD13	5	0.53
(1,1829)	1:A:147:MET:H	1:A:146:VAL:HG22	5	0.53
(1,1829)	1:A:147:MET:H	1:A:146:VAL:HG21	5	0.53
(1,1829)	1:A:147:MET:H	1:A:146:VAL:HG23	5	0.53
(1,157)	1:A:99:LEU:HD22	1:A:103:GLN:HE22	2	0.53
(1,157)	1:A:99:LEU:HD21	1:A:103:GLN:HE22	2	0.53
(1,157)	1:A:99:LEU:HD23	1:A:103:GLN:HE22	2	0.53
(1,1457)	1:A:120:LEU:HD22	1:A:118:LYS:HE3	4	0.53
(1,1457)	1:A:120:LEU:HD21	1:A:118:LYS:HE3	4	0.53
(1,1457)	1:A:120:LEU:HD23	1:A:118:LYS:HE3	4	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1457)	1:A:126:LEU:HD22	1:A:124:LYS:HE2	4	0.53
(1,1457)	1:A:126:LEU:HD21	1:A:124:LYS:HE2	4	0.53
(1,1457)	1:A:126:LEU:HD23	1:A:124:LYS:HE2	4	0.53
(1,1350)	1:A:141:ASN:HB3	1:A:141:ASN:HD21	4	0.53
(1,1140)	1:A:82:GLN:HG2	1:A:82:GLN:H	9	0.53
(1,1011)	1:A:98:ILE:H	1:A:98:ILE:HG12	6	0.53
(1,725)	1:A:148:ILE:HD12	1:A:80:LYS:HD3	2	0.52
(1,725)	1:A:148:ILE:HD11	1:A:80:LYS:HD3	2	0.52
(1,725)	1:A:148:ILE:HD13	1:A:80:LYS:HD3	2	0.52
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD12	10	0.52
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD11	10	0.52
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD13	10	0.52
(1,511)	1:A:139:PRO:HD2	1:A:138:THR:HB	8	0.52
(1,47)	1:A:88:ILE:HD12	1:A:105:LEU:HA	9	0.52
(1,47)	1:A:88:ILE:HD11	1:A:105:LEU:HA	9	0.52
(1,47)	1:A:88:ILE:HD13	1:A:105:LEU:HA	9	0.52
(1,3659)	2:C:51:VAL:HG22	2:C:46:PHE:HD1	9	0.52
(1,3659)	2:C:51:VAL:HG22	2:C:46:PHE:HD2	9	0.52
(1,3659)	2:C:51:VAL:HG21	2:C:46:PHE:HD1	9	0.52
(1,3659)	2:C:51:VAL:HG21	2:C:46:PHE:HD2	9	0.52
(1,3659)	2:C:51:VAL:HG23	2:C:46:PHE:HD1	9	0.52
(1,3659)	2:C:51:VAL:HG23	2:C:46:PHE:HD2	9	0.52
(1,3659)	2:C:51:VAL:HG22	2:C:46:PHE:HE1	9	0.52
(1,3659)	2:C:51:VAL:HG22	2:C:46:PHE:HE2	9	0.52
(1,3659)	2:C:51:VAL:HG21	2:C:46:PHE:HE1	9	0.52
(1,3659)	2:C:51:VAL:HG21	2:C:46:PHE:HE2	9	0.52
(1,3659)	2:C:51:VAL:HG23	2:C:46:PHE:HE1	9	0.52
(1,3659)	2:C:51:VAL:HG23	2:C:46:PHE:HE2	9	0.52
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG22	4	0.52
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG21	4	0.52
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG23	4	0.52
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG22	4	0.52
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG21	4	0.52
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG23	4	0.52
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG22	4	0.52
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG21	4	0.52
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG23	4	0.52
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG22	4	0.52
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG21	4	0.52
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG23	4	0.52
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG22	4	0.52
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG21	4	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG23	4	0.52
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG22	4	0.52
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG21	4	0.52
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG23	4	0.52
(1,3554)	2:B:25:ILE:HD12	2:B:19:ILE:HB	4	0.52
(1,3554)	2:B:25:ILE:HD11	2:B:19:ILE:HB	4	0.52
(1,3554)	2:B:25:ILE:HD13	2:B:19:ILE:HB	4	0.52
(1,3554)	2:B:25:ILE:HD12	2:C:5:LYS:HB3	4	0.52
(1,3554)	2:B:25:ILE:HD11	2:C:5:LYS:HB3	4	0.52
(1,3554)	2:B:25:ILE:HD13	2:C:5:LYS:HB3	4	0.52
(1,2597)	2:C:51:VAL:HB	2:C:55:LEU:HD12	9	0.52
(1,2597)	2:C:51:VAL:HB	2:C:55:LEU:HD11	9	0.52
(1,2597)	2:C:51:VAL:HB	2:C:55:LEU:HD13	9	0.52
(1,2545)	2:C:51:VAL:HG12	2:C:55:LEU:HG	3	0.52
(1,2545)	2:C:51:VAL:HG11	2:C:55:LEU:HG	3	0.52
(1,2545)	2:C:51:VAL:HG13	2:C:55:LEU:HG	3	0.52
(1,2501)	2:C:25:ILE:HG22	2:C:20:VAL:HB	10	0.52
(1,2501)	2:C:25:ILE:HG21	2:C:20:VAL:HB	10	0.52
(1,2501)	2:C:25:ILE:HG23	2:C:20:VAL:HB	10	0.52
(1,2298)	2:B:19:ILE:HA	2:B:22:LYS:HD3	2	0.52
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG22	8	0.52
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG21	8	0.52
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG23	8	0.52
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG22	8	0.52
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG21	8	0.52
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG23	8	0.52
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG22	8	0.52
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG21	8	0.52
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG23	8	0.52
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG22	9	0.52
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG21	9	0.52
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG23	9	0.52
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG22	9	0.52
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG21	9	0.52
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG23	9	0.52
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG22	9	0.52
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG21	9	0.52
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG23	9	0.52
(1,183)	1:A:99:LEU:HD12	1:A:100:GLN:HE22	7	0.52
(1,183)	1:A:99:LEU:HD11	1:A:100:GLN:HE22	7	0.52
(1,183)	1:A:99:LEU:HD13	1:A:100:GLN:HE22	7	0.52
(1,1629)	1:A:105:LEU:HD12	1:A:90:HIS:HE1	5	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1629)	1:A:105:LEU:HD11	1:A:90:HIS:HE1	5	0.52
(1,1629)	1:A:105:LEU:HD13	1:A:90:HIS:HE1	5	0.52
(1,1629)	1:A:105:LEU:HD12	1:A:104:HIS:HE1	5	0.52
(1,1629)	1:A:105:LEU:HD11	1:A:104:HIS:HE1	5	0.52
(1,1629)	1:A:105:LEU:HD13	1:A:104:HIS:HE1	5	0.52
(1,1593)	1:A:142:SER:HB2	1:A:74:VAL:HB	8	0.52
(1,1593)	1:A:142:SER:HB2	1:A:137:VAL:HB	8	0.52
(1,1593)	1:A:142:SER:HB2	1:A:74:VAL:HB	10	0.52
(1,1593)	1:A:142:SER:HB2	1:A:137:VAL:HB	10	0.52
(1,151)	1:A:135:LEU:HD12	1:A:135:LEU:H	5	0.52
(1,151)	1:A:135:LEU:HD11	1:A:135:LEU:H	5	0.52
(1,151)	1:A:135:LEU:HD13	1:A:135:LEU:H	5	0.52
(1,1419)	1:A:107:SER:HB3	1:A:108:GLU:H	1	0.52
(1,1419)	1:A:107:SER:HB3	1:A:108:GLU:H	3	0.52
(1,980)	1:A:101:ILE:HG13	1:A:101:ILE:H	4	0.51
(1,980)	1:A:101:ILE:HG13	1:A:101:ILE:H	6	0.51
(1,979)	1:A:101:ILE:HG12	1:A:101:ILE:H	6	0.51
(1,786)	1:A:126:LEU:HD12	1:A:124:LYS:HD3	10	0.51
(1,786)	1:A:126:LEU:HD11	1:A:124:LYS:HD3	10	0.51
(1,786)	1:A:126:LEU:HD13	1:A:124:LYS:HD3	10	0.51
(1,769)	1:A:132:LEU:HA	1:A:135:LEU:HD12	7	0.51
(1,769)	1:A:132:LEU:HA	1:A:135:LEU:HD11	7	0.51
(1,769)	1:A:132:LEU:HA	1:A:135:LEU:HD13	7	0.51
(1,702)	1:A:122:LYS:HE3	1:A:122:LYS:H	7	0.51
(1,700)	1:A:79:LYS:HE3	1:A:81:ILE:HA	9	0.51
(1,655)	1:A:81:ILE:HG12	1:A:145:THR:HA	8	0.51
(1,3642)	2:B:68:ILE:HB	2:B:71:SER:H	5	0.51
(1,3642)	2:B:68:ILE:HB	2:C:54:ILE:H	5	0.51
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG22	9	0.51
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG21	9	0.51
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG23	9	0.51
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG22	9	0.51
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG21	9	0.51
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG23	9	0.51
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG22	9	0.51
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG21	9	0.51
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG23	9	0.51
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG22	9	0.51
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG21	9	0.51
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG23	9	0.51
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG22	9	0.51
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG21	9	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG23	9	0.51
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG22	9	0.51
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG21	9	0.51
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG23	9	0.51
(1,3573)	2:C:33:LEU:HD22	2:C:19:ILE:HB	3	0.51
(1,3573)	2:C:33:LEU:HD21	2:C:19:ILE:HB	3	0.51
(1,3573)	2:C:33:LEU:HD23	2:C:19:ILE:HB	3	0.51
(1,3573)	2:C:33:LEU:HD22	2:B:5:LYS:HB3	3	0.51
(1,3573)	2:C:33:LEU:HD21	2:B:5:LYS:HB3	3	0.51
(1,3573)	2:C:33:LEU:HD23	2:B:5:LYS:HB3	3	0.51
(1,3163)	2:C:6:GLU:HB2	2:C:7:GLU:H	5	0.51
(1,3048)	2:B:50:ALA:H	2:B:13:VAL:HG12	4	0.51
(1,3048)	2:B:50:ALA:H	2:B:13:VAL:HG11	4	0.51
(1,3048)	2:B:50:ALA:H	2:B:13:VAL:HG13	4	0.51
(1,2089)	2:C:8:ILE:HD12	2:B:19:ILE:HG12	8	0.51
(1,2089)	2:C:8:ILE:HD11	2:B:19:ILE:HG12	8	0.51
(1,2089)	2:C:8:ILE:HD13	2:B:19:ILE:HG12	8	0.51
(1,2061)	2:C:55:LEU:HD22	2:C:14:ASN:H	9	0.51
(1,2061)	2:C:55:LEU:HD21	2:C:14:ASN:H	9	0.51
(1,2061)	2:C:55:LEU:HD23	2:C:14:ASN:H	9	0.51
(1,1711)	1:A:123:GLY:H	1:A:126:LEU:HD12	1	0.51
(1,1711)	1:A:123:GLY:H	1:A:126:LEU:HD11	1	0.51
(1,1711)	1:A:123:GLY:H	1:A:126:LEU:HD13	1	0.51
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD22	1	0.51
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD21	1	0.51
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD23	1	0.51
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD12	1	0.51
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD11	1	0.51
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD13	1	0.51
(1,1411)	1:A:116:GLU:HG3	1:A:151:ASN:H	4	0.51
(1,1350)	1:A:141:ASN:HB3	1:A:141:ASN:HD21	5	0.51
(1,1011)	1:A:98:ILE:H	1:A:98:ILE:HG12	8	0.51
(3,34)	1:A:149:LYS:N	1:A:116:GLU:O	7	0.5
(1,85)	1:A:73:MET:HE2	1:A:73:MET:HA	6	0.5
(1,85)	1:A:73:MET:HE1	1:A:73:MET:HA	6	0.5
(1,85)	1:A:73:MET:HE3	1:A:73:MET:HA	6	0.5
(1,697)	1:A:79:LYS:HE3	1:A:79:LYS:HG3	1	0.5
(1,3815)	2:C:5:LYS:HG2	2:C:5:LYS:H	1	0.5
(1,3815)	2:C:5:LYS:HG2	2:C:6:GLU:H	1	0.5
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB2	10	0.5
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB1	10	0.5
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB3	10	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB2	10	0.5
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB1	10	0.5
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB3	10	0.5
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB2	10	0.5
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB1	10	0.5
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB3	10	0.5
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB2	10	0.5
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB1	10	0.5
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB3	10	0.5
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB2	10	0.5
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB1	10	0.5
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB3	10	0.5
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB2	10	0.5
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB1	10	0.5
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB3	10	0.5
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD12	9	0.5
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD11	9	0.5
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD13	9	0.5
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD12	9	0.5
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD11	9	0.5
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD13	9	0.5
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD12	9	0.5
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD11	9	0.5
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD13	9	0.5
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG22	9	0.5
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG21	9	0.5
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG23	9	0.5
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG22	9	0.5
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG21	9	0.5
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG23	9	0.5
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG22	9	0.5
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG21	9	0.5
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG23	9	0.5
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB2	5	0.5
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB1	5	0.5
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB3	5	0.5
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB2	5	0.5
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB1	5	0.5
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB3	5	0.5
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG22	5	0.5
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG21	5	0.5
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG23	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG22	5	0.5
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG21	5	0.5
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG23	5	0.5
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG22	5	0.5
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG21	5	0.5
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG23	5	0.5
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG22	5	0.5
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG21	5	0.5
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG23	5	0.5
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG22	5	0.5
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG21	5	0.5
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG23	5	0.5
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG22	5	0.5
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG21	5	0.5
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG23	5	0.5
(1,3572)	2:B:33:LEU:HD22	2:B:19:ILE:HB	9	0.5
(1,3572)	2:B:33:LEU:HD21	2:B:19:ILE:HB	9	0.5
(1,3572)	2:B:33:LEU:HD23	2:B:19:ILE:HB	9	0.5
(1,3572)	2:B:33:LEU:HD22	2:C:5:LYS:HB3	9	0.5
(1,3572)	2:B:33:LEU:HD21	2:C:5:LYS:HB3	9	0.5
(1,3572)	2:B:33:LEU:HD23	2:C:5:LYS:HB3	9	0.5
(1,3553)	2:C:25:ILE:HD12	2:C:24:GLU:HB3	1	0.5
(1,3553)	2:C:25:ILE:HD11	2:C:24:GLU:HB3	1	0.5
(1,3553)	2:C:25:ILE:HD13	2:C:24:GLU:HB3	1	0.5
(1,3553)	2:C:25:ILE:HD12	2:C:20:VAL:HB	1	0.5
(1,3553)	2:C:25:ILE:HD11	2:C:20:VAL:HB	1	0.5
(1,3553)	2:C:25:ILE:HD13	2:C:20:VAL:HB	1	0.5
(1,3545)	2:C:51:VAL:HG22	2:C:47:GLU:HB2	8	0.5
(1,3545)	2:C:51:VAL:HG21	2:C:47:GLU:HB2	8	0.5
(1,3545)	2:C:51:VAL:HG23	2:C:47:GLU:HB2	8	0.5
(1,3545)	2:C:51:VAL:HG22	2:C:48:ARG:HB3	8	0.5
(1,3545)	2:C:51:VAL:HG21	2:C:48:ARG:HB3	8	0.5
(1,3545)	2:C:51:VAL:HG23	2:C:48:ARG:HB3	8	0.5
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD1	6	0.5
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD2	6	0.5
(1,3183)	2:C:12:ILE:HD12	2:C:9:ALA:H	4	0.5
(1,3183)	2:C:12:ILE:HD11	2:C:9:ALA:H	4	0.5
(1,3183)	2:C:12:ILE:HD13	2:C:9:ALA:H	4	0.5
(1,3119)	2:C:48:ARG:HB3	2:C:49:GLU:H	6	0.5
(1,2694)	2:B:54:ILE:HG22	2:B:46:PHE:HB2	6	0.5
(1,2694)	2:B:54:ILE:HG21	2:B:46:PHE:HB2	6	0.5
(1,2694)	2:B:54:ILE:HG23	2:B:46:PHE:HB2	6	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2595)	2:C:57:LYS:HB3	2:B:68:ILE:HG13	6	0.5
(1,2594)	2:B:57:LYS:HB3	2:C:68:ILE:HG13	6	0.5
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB2	6	0.5
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB1	6	0.5
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB3	6	0.5
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB2	6	0.5
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB1	6	0.5
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB3	6	0.5
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB2	6	0.5
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB1	6	0.5
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB3	6	0.5
(1,2408)	2:B:19:ILE:HG22	2:C:44:PHE:HZ	1	0.5
(1,2408)	2:B:19:ILE:HG21	2:C:44:PHE:HZ	1	0.5
(1,2408)	2:B:19:ILE:HG23	2:C:44:PHE:HZ	1	0.5
(1,2061)	2:C:55:LEU:HD22	2:C:14:ASN:H	1	0.5
(1,2061)	2:C:55:LEU:HD21	2:C:14:ASN:H	1	0.5
(1,2061)	2:C:55:LEU:HD23	2:C:14:ASN:H	1	0.5
(1,1857)	2:C:16:PHE:HB3	2:C:37:MET:HE2	7	0.5
(1,1857)	2:C:16:PHE:HB3	2:C:37:MET:HE1	7	0.5
(1,1857)	2:C:16:PHE:HB3	2:C:37:MET:HE3	7	0.5
(1,1813)	1:A:141:ASN:HD22	1:A:121:LEU:HG	5	0.5
(1,1813)	1:A:141:ASN:HD22	1:A:122:LYS:HG2	5	0.5
(1,1338)	1:A:99:LEU:HD12	1:A:103:GLN:HE21	3	0.5
(1,1338)	1:A:99:LEU:HD11	1:A:103:GLN:HE21	3	0.5
(1,1338)	1:A:99:LEU:HD13	1:A:103:GLN:HE21	3	0.5
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD12	1	0.5
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD11	1	0.5
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD13	1	0.5
(1,1313)	1:A:142:SER:H	1:A:141:ASN:HB3	5	0.5
(1,1159)	1:A:152:LEU:HG	1:A:152:LEU:H	5	0.5
(1,980)	1:A:101:ILE:HG13	1:A:101:ILE:H	7	0.49
(1,791)	1:A:136:LYS:HG3	1:A:136:LYS:HE3	7	0.49
(1,786)	1:A:126:LEU:HD12	1:A:124:LYS:HD3	5	0.49
(1,786)	1:A:126:LEU:HD11	1:A:124:LYS:HD3	5	0.49
(1,786)	1:A:126:LEU:HD13	1:A:124:LYS:HD3	5	0.49
(1,535)	1:A:150:PRO:HA	1:A:116:GLU:HG3	9	0.49
(1,53)	1:A:114:ILE:HD12	1:A:103:GLN:H	9	0.49
(1,53)	1:A:114:ILE:HD11	1:A:103:GLN:H	9	0.49
(1,53)	1:A:114:ILE:HD13	1:A:103:GLN:H	9	0.49
(1,494)	1:A:98:ILE:HA	1:A:101:ILE:HG12	3	0.49
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB2	5	0.49
(1,4080)	2:B:13:VAL:H	2:B:39:CYS:HB3	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4080)	2:B:13:VAL:H	2:B:41:SER:HA	5	0.49
(1,3874)	2:B:15:TYR:HA	2:B:12:ILE:HD12	9	0.49
(1,3874)	2:B:15:TYR:HA	2:B:12:ILE:HD11	9	0.49
(1,3874)	2:B:15:TYR:HA	2:B:12:ILE:HD13	9	0.49
(1,3874)	2:B:15:TYR:HA	2:C:12:ILE:HD12	9	0.49
(1,3874)	2:B:15:TYR:HA	2:C:12:ILE:HD11	9	0.49
(1,3874)	2:B:15:TYR:HA	2:C:12:ILE:HD13	9	0.49
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG22	4	0.49
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG21	4	0.49
(1,3737)	2:C:54:ILE:HD12	2:C:13:VAL:HG23	4	0.49
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG22	4	0.49
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG21	4	0.49
(1,3737)	2:C:54:ILE:HD11	2:C:13:VAL:HG23	4	0.49
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG22	4	0.49
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG21	4	0.49
(1,3737)	2:C:54:ILE:HD13	2:C:13:VAL:HG23	4	0.49
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG22	4	0.49
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG21	4	0.49
(1,3737)	2:C:54:ILE:HD12	2:C:51:VAL:HG23	4	0.49
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG22	4	0.49
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG21	4	0.49
(1,3737)	2:C:54:ILE:HD11	2:C:51:VAL:HG23	4	0.49
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG22	4	0.49
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG21	4	0.49
(1,3737)	2:C:54:ILE:HD13	2:C:51:VAL:HG23	4	0.49
(1,3554)	2:B:25:ILE:HD12	2:B:19:ILE:HB	2	0.49
(1,3554)	2:B:25:ILE:HD11	2:B:19:ILE:HB	2	0.49
(1,3554)	2:B:25:ILE:HD13	2:B:19:ILE:HB	2	0.49
(1,3554)	2:B:25:ILE:HD12	2:C:5:LYS:HB3	2	0.49
(1,3554)	2:B:25:ILE:HD11	2:C:5:LYS:HB3	2	0.49
(1,3554)	2:B:25:ILE:HD13	2:C:5:LYS:HB3	2	0.49
(1,3553)	2:C:25:ILE:HD12	2:C:24:GLU:HB3	10	0.49
(1,3553)	2:C:25:ILE:HD11	2:C:24:GLU:HB3	10	0.49
(1,3553)	2:C:25:ILE:HD13	2:C:24:GLU:HB3	10	0.49
(1,3553)	2:C:25:ILE:HD12	2:C:20:VAL:HB	10	0.49
(1,3553)	2:C:25:ILE:HD11	2:C:20:VAL:HB	10	0.49
(1,3553)	2:C:25:ILE:HD13	2:C:20:VAL:HB	10	0.49
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD1	5	0.49
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD2	5	0.49
(1,3119)	2:C:48:ARG:HB3	2:C:49:GLU:H	7	0.49
(1,2645)	2:C:20:VAL:HG12	2:C:33:LEU:HD22	10	0.49
(1,2645)	2:C:20:VAL:HG12	2:C:33:LEU:HD21	10	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2645)	2:C:20:VAL:HG12	2:C:33:LEU:HD23	10	0.49
(1,2645)	2:C:20:VAL:HG11	2:C:33:LEU:HD22	10	0.49
(1,2645)	2:C:20:VAL:HG11	2:C:33:LEU:HD21	10	0.49
(1,2645)	2:C:20:VAL:HG11	2:C:33:LEU:HD23	10	0.49
(1,2645)	2:C:20:VAL:HG13	2:C:33:LEU:HD22	10	0.49
(1,2645)	2:C:20:VAL:HG13	2:C:33:LEU:HD21	10	0.49
(1,2645)	2:C:20:VAL:HG13	2:C:33:LEU:HD23	10	0.49
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB2	10	0.49
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB1	10	0.49
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB3	10	0.49
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB2	10	0.49
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB1	10	0.49
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB3	10	0.49
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB2	10	0.49
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB1	10	0.49
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB3	10	0.49
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG22	6	0.49
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG21	6	0.49
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG23	6	0.49
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG22	6	0.49
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG21	6	0.49
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG23	6	0.49
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG22	6	0.49
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG21	6	0.49
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG23	6	0.49
(1,2062)	2:B:55:LEU:HD22	2:B:14:ASN:HB2	2	0.49
(1,2062)	2:B:55:LEU:HD21	2:B:14:ASN:HB2	2	0.49
(1,2062)	2:B:55:LEU:HD23	2:B:14:ASN:HB2	2	0.49
(1,2060)	2:B:55:LEU:HD22	2:B:14:ASN:H	4	0.49
(1,2060)	2:B:55:LEU:HD21	2:B:14:ASN:H	4	0.49
(1,2060)	2:B:55:LEU:HD23	2:B:14:ASN:H	4	0.49
(1,2060)	2:B:55:LEU:HD22	2:B:14:ASN:H	10	0.49
(1,2060)	2:B:55:LEU:HD21	2:B:14:ASN:H	10	0.49
(1,2060)	2:B:55:LEU:HD23	2:B:14:ASN:H	10	0.49
(1,1663)	1:A:85:LYS:HG2	1:A:85:LYS:HE3	3	0.49
(1,1663)	1:A:85:LYS:HG3	1:A:85:LYS:HE3	3	0.49
(1,1661)	1:A:149:LYS:HE3	1:A:149:LYS:HD3	8	0.49
(1,1661)	1:A:149:LYS:HB3	1:A:149:LYS:HE3	8	0.49
(1,1629)	1:A:105:LEU:HD12	1:A:90:HIS:HE1	1	0.49
(1,1629)	1:A:105:LEU:HD11	1:A:90:HIS:HE1	1	0.49
(1,1629)	1:A:105:LEU:HD13	1:A:90:HIS:HE1	1	0.49
(1,1629)	1:A:105:LEU:HD12	1:A:104:HIS:HE1	1	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1629)	1:A:105:LEU:HD11	1:A:104:HIS:HE1	1	0.49
(1,1629)	1:A:105:LEU:HD13	1:A:104:HIS:HE1	1	0.49
(1,1545)	1:A:135:LEU:HA	1:A:124:LYS:HE3	6	0.49
(1,1545)	1:A:135:LEU:HA	1:A:134:ASP:HB2	6	0.49
(1,1545)	1:A:136:LYS:HA	1:A:136:LYS:HE3	6	0.49
(1,1479)	1:A:82:GLN:HG3	1:A:82:GLN:H	8	0.49
(1,1479)	1:A:103:GLN:HG3	1:A:102:LYS:H	8	0.49
(1,1198)	1:A:113:HIS:H	1:A:116:GLU:HB3	2	0.49
(1,791)	1:A:136:LYS:HG3	1:A:136:LYS:HE3	8	0.48
(1,683)	1:A:106:ILE:HG12	1:A:106:ILE:H	1	0.48
(1,672)	1:A:121:LEU:HD22	1:A:144:ILE:HA	2	0.48
(1,672)	1:A:121:LEU:HD21	1:A:144:ILE:HA	2	0.48
(1,672)	1:A:121:LEU:HD23	1:A:144:ILE:HA	2	0.48
(1,3552)	2:B:25:ILE:HD12	2:B:24:GLU:HB3	9	0.48
(1,3552)	2:B:25:ILE:HD11	2:B:24:GLU:HB3	9	0.48
(1,3552)	2:B:25:ILE:HD13	2:B:24:GLU:HB3	9	0.48
(1,3552)	2:B:25:ILE:HD12	2:B:20:VAL:HB	9	0.48
(1,3552)	2:B:25:ILE:HD11	2:B:20:VAL:HB	9	0.48
(1,3552)	2:B:25:ILE:HD13	2:B:20:VAL:HB	9	0.48
(1,3139)	2:C:2:SER:H	2:C:3:ALA:H	7	0.48
(1,3068)	2:B:39:CYS:H	2:B:35:VAL:HB	3	0.48
(1,2954)	2:B:16:PHE:HZ	2:C:12:ILE:HD12	9	0.48
(1,2954)	2:B:16:PHE:HZ	2:C:12:ILE:HD11	9	0.48
(1,2954)	2:B:16:PHE:HZ	2:C:12:ILE:HD13	9	0.48
(1,283)	1:A:120:LEU:HB3	1:A:145:THR:HB	1	0.48
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG12	9	0.48
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG11	9	0.48
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG13	9	0.48
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG12	9	0.48
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG11	9	0.48
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG13	9	0.48
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG12	9	0.48
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG11	9	0.48
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG13	9	0.48
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB2	3	0.48
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB1	3	0.48
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB3	3	0.48
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB2	3	0.48
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB1	3	0.48
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB3	3	0.48
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB2	3	0.48
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB1	3	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB3	3	0.48
(1,2544)	2:B:51:VAL:HG12	2:B:55:LEU:HG	5	0.48
(1,2544)	2:B:51:VAL:HG11	2:B:55:LEU:HG	5	0.48
(1,2544)	2:B:51:VAL:HG13	2:B:55:LEU:HG	5	0.48
(1,2544)	2:B:51:VAL:HG12	2:B:55:LEU:HG	7	0.48
(1,2544)	2:B:51:VAL:HG11	2:B:55:LEU:HG	7	0.48
(1,2544)	2:B:51:VAL:HG13	2:B:55:LEU:HG	7	0.48
(1,2426)	2:B:68:ILE:HD12	2:C:60:PHE:HD1	1	0.48
(1,2426)	2:B:68:ILE:HD12	2:C:60:PHE:HD2	1	0.48
(1,2426)	2:B:68:ILE:HD11	2:C:60:PHE:HD1	1	0.48
(1,2426)	2:B:68:ILE:HD11	2:C:60:PHE:HD2	1	0.48
(1,2426)	2:B:68:ILE:HD13	2:C:60:PHE:HD1	1	0.48
(1,2426)	2:B:68:ILE:HD13	2:C:60:PHE:HD2	1	0.48
(1,235)	1:A:118:LYS:HB3	1:A:118:LYS:HE3	2	0.48
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG22	6	0.48
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG21	6	0.48
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG23	6	0.48
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB2	1	0.48
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB1	1	0.48
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB3	1	0.48
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB2	1	0.48
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB1	1	0.48
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB3	1	0.48
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB2	1	0.48
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB1	1	0.48
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB3	1	0.48
(1,1776)	1:A:99:LEU:H	1:A:97:THR:HG21	5	0.48
(1,1776)	1:A:99:LEU:H	1:A:97:THR:HG22	5	0.48
(1,1776)	1:A:99:LEU:H	1:A:97:THR:HG23	5	0.48
(1,1776)	1:A:99:LEU:H	1:A:114:ILE:HD12	5	0.48
(1,1776)	1:A:99:LEU:H	1:A:114:ILE:HD11	5	0.48
(1,1776)	1:A:99:LEU:H	1:A:114:ILE:HD13	5	0.48
(1,1760)	1:A:152:LEU:HB2	1:A:153:GLU:H	10	0.48
(1,1760)	1:A:152:LEU:HB3	1:A:153:GLU:H	10	0.48
(1,176)	1:A:132:LEU:HD22	1:A:96:ASP:HB2	4	0.48
(1,176)	1:A:132:LEU:HD21	1:A:96:ASP:HB2	4	0.48
(1,176)	1:A:132:LEU:HD23	1:A:96:ASP:HB2	4	0.48
(1,174)	1:A:132:LEU:HD22	1:A:92:PHE:HA	3	0.48
(1,174)	1:A:132:LEU:HD21	1:A:92:PHE:HA	3	0.48
(1,174)	1:A:132:LEU:HD23	1:A:92:PHE:HA	3	0.48
(1,1457)	1:A:120:LEU:HD22	1:A:118:LYS:HE3	7	0.48
(1,1457)	1:A:120:LEU:HD21	1:A:118:LYS:HE3	7	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1457)	1:A:120:LEU:HD23	1:A:118:LYS:HE3	7	0.48
(1,1457)	1:A:126:LEU:HD22	1:A:124:LYS:HE2	7	0.48
(1,1457)	1:A:126:LEU:HD21	1:A:124:LYS:HE2	7	0.48
(1,1457)	1:A:126:LEU:HD23	1:A:124:LYS:HE2	7	0.48
(1,1446)	1:A:97:THR:HG21	1:A:96:ASP:HB3	9	0.48
(1,1446)	1:A:97:THR:HG22	1:A:96:ASP:HB3	9	0.48
(1,1446)	1:A:97:THR:HG23	1:A:96:ASP:HB3	9	0.48
(1,1446)	1:A:97:THR:HG21	1:A:100:GLN:HG3	9	0.48
(1,1446)	1:A:97:THR:HG22	1:A:100:GLN:HG3	9	0.48
(1,1446)	1:A:97:THR:HG23	1:A:100:GLN:HG3	9	0.48
(1,1198)	1:A:113:HIS:H	1:A:116:GLU:HB3	3	0.48
(1,1132)	1:A:126:LEU:H	1:A:126:LEU:HB3	1	0.48
(3,139)	2:C:38:ASP:H	2:C:34:ASN:O	8	0.47
(1,980)	1:A:101:ILE:HG13	1:A:101:ILE:H	1	0.47
(1,734)	1:A:87:SER:HA	1:A:79:LYS:HD3	10	0.47
(1,73)	1:A:88:ILE:HG22	1:A:90:HIS:HE1	6	0.47
(1,73)	1:A:88:ILE:HG21	1:A:90:HIS:HE1	6	0.47
(1,73)	1:A:88:ILE:HG23	1:A:90:HIS:HE1	6	0.47
(1,683)	1:A:106:ILE:HG12	1:A:106:ILE:H	6	0.47
(1,511)	1:A:139:PRO:HD2	1:A:138:THR:HB	3	0.47
(1,494)	1:A:98:ILE:HA	1:A:101:ILE:HG12	9	0.47
(1,411)	1:A:122:LYS:HD3	1:A:123:GLY:H	9	0.47
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB2	10	0.47
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB3	10	0.47
(1,4081)	2:C:13:VAL:H	2:C:41:SER:HA	10	0.47
(1,3814)	2:B:5:LYS:HG2	2:B:5:LYS:H	1	0.47
(1,3814)	2:B:5:LYS:HG2	2:B:6:GLU:H	1	0.47
(1,3477)	2:C:55:LEU:HD22	2:C:14:ASN:HD21	4	0.47
(1,3477)	2:C:55:LEU:HD21	2:C:14:ASN:HD21	4	0.47
(1,3477)	2:C:55:LEU:HD23	2:C:14:ASN:HD21	4	0.47
(1,3221)	2:C:34:ASN:HA	2:C:17:SER:H	3	0.47
(1,3220)	2:B:34:ASN:HA	2:B:17:SER:H	2	0.47
(1,3183)	2:C:12:ILE:HD12	2:C:9:ALA:H	1	0.47
(1,3183)	2:C:12:ILE:HD11	2:C:9:ALA:H	1	0.47
(1,3183)	2:C:12:ILE:HD13	2:C:9:ALA:H	1	0.47
(1,3106)	2:B:51:VAL:HG22	2:B:52:SER:H	4	0.47
(1,3106)	2:B:51:VAL:HG21	2:B:52:SER:H	4	0.47
(1,3106)	2:B:51:VAL:HG23	2:B:52:SER:H	4	0.47
(1,3048)	2:B:50:ALA:H	2:B:13:VAL:HG12	10	0.47
(1,3048)	2:B:50:ALA:H	2:B:13:VAL:HG11	10	0.47
(1,3048)	2:B:50:ALA:H	2:B:13:VAL:HG13	10	0.47
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG12	6	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG11	6	0.47
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG13	6	0.47
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG12	6	0.47
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG11	6	0.47
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG13	6	0.47
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG12	6	0.47
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG11	6	0.47
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG13	6	0.47
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB2	9	0.47
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB1	9	0.47
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB3	9	0.47
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB2	9	0.47
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB1	9	0.47
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB3	9	0.47
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB2	9	0.47
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB1	9	0.47
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB3	9	0.47
(1,2408)	2:B:19:ILE:HG22	2:C:44:PHE:HZ	10	0.47
(1,2408)	2:B:19:ILE:HG21	2:C:44:PHE:HZ	10	0.47
(1,2408)	2:B:19:ILE:HG23	2:C:44:PHE:HZ	10	0.47
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG22	3	0.47
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG21	3	0.47
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG23	3	0.47
(1,2039)	2:C:5:LYS:HB3	2:C:44:PHE:HZ	4	0.47
(1,1659)	1:A:118:LYS:HB2	1:A:118:LYS:HE3	5	0.47
(1,1659)	1:A:124:LYS:HE2	1:A:124:LYS:HD3	5	0.47
(1,1651)	1:A:88:ILE:HG22	1:A:78:LEU:HB3	4	0.47
(1,1651)	1:A:88:ILE:HG21	1:A:78:LEU:HB3	4	0.47
(1,1651)	1:A:88:ILE:HG23	1:A:78:LEU:HB3	4	0.47
(1,1651)	1:A:88:ILE:HG22	1:A:89:GLU:HG3	4	0.47
(1,1651)	1:A:88:ILE:HG21	1:A:89:GLU:HG3	4	0.47
(1,1651)	1:A:88:ILE:HG23	1:A:89:GLU:HG3	4	0.47
(1,1353)	1:A:121:LEU:HD12	1:A:141:ASN:HD21	2	0.47
(1,1353)	1:A:121:LEU:HD11	1:A:141:ASN:HD21	2	0.47
(1,1353)	1:A:121:LEU:HD13	1:A:141:ASN:HD21	2	0.47
(1,1011)	1:A:98:ILE:H	1:A:98:ILE:HG12	4	0.47
(3,89)	2:B:38:ASP:H	2:B:34:ASN:O	4	0.46
(3,139)	2:C:38:ASP:H	2:C:34:ASN:O	6	0.46
(1,704)	1:A:122:LYS:HE3	1:A:141:ASN:HD21	7	0.46
(1,672)	1:A:121:LEU:HD22	1:A:144:ILE:HA	8	0.46
(1,672)	1:A:121:LEU:HD21	1:A:144:ILE:HA	8	0.46
(1,672)	1:A:121:LEU:HD23	1:A:144:ILE:HA	8	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,58)	1:A:114:ILE:HD12	1:A:99:LEU:HA	2	0.46
(1,58)	1:A:114:ILE:HD11	1:A:99:LEU:HA	2	0.46
(1,58)	1:A:114:ILE:HD13	1:A:99:LEU:HA	2	0.46
(1,494)	1:A:98:ILE:HA	1:A:101:ILE:HG12	6	0.46
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB2	4	0.46
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB1	4	0.46
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB3	4	0.46
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB2	4	0.46
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB1	4	0.46
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB3	4	0.46
(1,3621)	2:C:40:ILE:HA	2:C:36:ALA:HB2	4	0.46
(1,3621)	2:C:40:ILE:HA	2:C:36:ALA:HB1	4	0.46
(1,3621)	2:C:40:ILE:HA	2:C:36:ALA:HB3	4	0.46
(1,3621)	2:C:40:ILE:HA	2:B:36:ALA:HB2	4	0.46
(1,3621)	2:C:40:ILE:HA	2:B:36:ALA:HB1	4	0.46
(1,3621)	2:C:40:ILE:HA	2:B:36:ALA:HB3	4	0.46
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG22	2	0.46
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG21	2	0.46
(1,3577)	2:C:33:LEU:HD22	2:C:12:ILE:HG23	2	0.46
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG22	2	0.46
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG21	2	0.46
(1,3577)	2:C:33:LEU:HD21	2:C:12:ILE:HG23	2	0.46
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG22	2	0.46
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG21	2	0.46
(1,3577)	2:C:33:LEU:HD23	2:C:12:ILE:HG23	2	0.46
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG22	2	0.46
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG21	2	0.46
(1,3577)	2:C:33:LEU:HD22	2:C:19:ILE:HG23	2	0.46
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG22	2	0.46
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG21	2	0.46
(1,3577)	2:C:33:LEU:HD21	2:C:19:ILE:HG23	2	0.46
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG22	2	0.46
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG21	2	0.46
(1,3577)	2:C:33:LEU:HD23	2:C:19:ILE:HG23	2	0.46
(1,3525)	2:C:6:GLU:HG3	2:C:46:PHE:HD1	2	0.46
(1,3525)	2:C:6:GLU:HG3	2:C:46:PHE:HD2	2	0.46
(1,3525)	2:C:6:GLU:HG3	2:C:46:PHE:HE1	2	0.46
(1,3525)	2:C:6:GLU:HG3	2:C:46:PHE:HE2	2	0.46
(1,2884)	2:B:6:GLU:HG2	2:B:54:ILE:HG22	2	0.46
(1,2884)	2:B:6:GLU:HG2	2:B:54:ILE:HG21	2	0.46
(1,2884)	2:B:6:GLU:HG2	2:B:54:ILE:HG23	2	0.46
(1,2720)	2:B:54:ILE:HD12	2:B:6:GLU:HG3	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2720)	2:B:54:ILE:HD11	2:B:6:GLU:HG3	1	0.46
(1,2720)	2:B:54:ILE:HD13	2:B:6:GLU:HG3	1	0.46
(1,2551)	2:C:20:VAL:HG12	2:C:19:ILE:HB	5	0.46
(1,2551)	2:C:20:VAL:HG11	2:C:19:ILE:HB	5	0.46
(1,2551)	2:C:20:VAL:HG13	2:C:19:ILE:HB	5	0.46
(1,2550)	2:B:20:VAL:HG12	2:B:19:ILE:HB	2	0.46
(1,2550)	2:B:20:VAL:HG11	2:B:19:ILE:HB	2	0.46
(1,2550)	2:B:20:VAL:HG13	2:B:19:ILE:HB	2	0.46
(1,2501)	2:C:25:ILE:HG22	2:C:20:VAL:HB	1	0.46
(1,2501)	2:C:25:ILE:HG21	2:C:20:VAL:HB	1	0.46
(1,2501)	2:C:25:ILE:HG23	2:C:20:VAL:HB	1	0.46
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD1	1	0.46
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD2	1	0.46
(1,2250)	2:B:11:LEU:HA	2:B:55:LEU:HB3	5	0.46
(1,2084)	2:B:25:ILE:HD12	2:B:25:ILE:HG22	8	0.46
(1,2084)	2:B:25:ILE:HD12	2:B:25:ILE:HG21	8	0.46
(1,2084)	2:B:25:ILE:HD12	2:B:25:ILE:HG23	8	0.46
(1,2084)	2:B:25:ILE:HD11	2:B:25:ILE:HG22	8	0.46
(1,2084)	2:B:25:ILE:HD11	2:B:25:ILE:HG21	8	0.46
(1,2084)	2:B:25:ILE:HD11	2:B:25:ILE:HG23	8	0.46
(1,2084)	2:B:25:ILE:HD13	2:B:25:ILE:HG22	8	0.46
(1,2084)	2:B:25:ILE:HD13	2:B:25:ILE:HG21	8	0.46
(1,2084)	2:B:25:ILE:HD13	2:B:25:ILE:HG23	8	0.46
(1,2039)	2:C:5:LYS:HB3	2:C:44:PHE:HZ	3	0.46
(1,1857)	2:C:16:PHE:HB3	2:C:37:MET:HE2	10	0.46
(1,1857)	2:C:16:PHE:HB3	2:C:37:MET:HE1	10	0.46
(1,1857)	2:C:16:PHE:HB3	2:C:37:MET:HE3	10	0.46
(1,179)	1:A:120:LEU:HD22	1:A:147:MET:HG3	2	0.46
(1,179)	1:A:120:LEU:HD21	1:A:147:MET:HG3	2	0.46
(1,179)	1:A:120:LEU:HD23	1:A:147:MET:HG3	2	0.46
(1,174)	1:A:132:LEU:HD22	1:A:92:PHE:HA	7	0.46
(1,174)	1:A:132:LEU:HD21	1:A:92:PHE:HA	7	0.46
(1,174)	1:A:132:LEU:HD23	1:A:92:PHE:HA	7	0.46
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD22	2	0.46
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD21	2	0.46
(1,1660)	1:A:124:LYS:HE2	1:A:135:LEU:HD23	2	0.46
(1,1660)	1:A:125:VAL:HG22	1:A:118:LYS:HE3	2	0.46
(1,1660)	1:A:125:VAL:HG21	1:A:118:LYS:HE3	2	0.46
(1,1660)	1:A:125:VAL:HG23	1:A:118:LYS:HE3	2	0.46
(1,1659)	1:A:118:LYS:HB2	1:A:118:LYS:HE3	8	0.46
(1,1659)	1:A:124:LYS:HE2	1:A:124:LYS:HD3	8	0.46
(1,1392)	1:A:144:ILE:HG12	1:A:144:ILE:H	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1295)	1:A:129:ASN:H	1:A:97:THR:HB	2	0.46
(1,1211)	1:A:81:ILE:H	1:A:82:GLN:HG2	7	0.46
(1,1159)	1:A:152:LEU:HG	1:A:152:LEU:H	3	0.46
(1,1159)	1:A:152:LEU:HG	1:A:152:LEU:H	8	0.46
(1,101)	1:A:77:THR:HG21	1:A:87:SER:HB3	6	0.46
(1,101)	1:A:77:THR:HG22	1:A:87:SER:HB3	6	0.46
(1,101)	1:A:77:THR:HG23	1:A:87:SER:HB3	6	0.46
(1,683)	1:A:106:ILE:HG12	1:A:106:ILE:H	7	0.45
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD12	3	0.45
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD11	3	0.45
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD13	3	0.45
(1,610)	1:A:108:GLU:HG3	1:A:107:SER:HB3	1	0.45
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB2	8	0.45
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB1	8	0.45
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB3	8	0.45
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB2	8	0.45
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB1	8	0.45
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB3	8	0.45
(1,3544)	2:B:51:VAL:HG22	2:B:47:GLU:HB2	5	0.45
(1,3544)	2:B:51:VAL:HG21	2:B:47:GLU:HB2	5	0.45
(1,3544)	2:B:51:VAL:HG23	2:B:47:GLU:HB2	5	0.45
(1,3544)	2:B:51:VAL:HG22	2:B:48:ARG:HB3	5	0.45
(1,3544)	2:B:51:VAL:HG21	2:B:48:ARG:HB3	5	0.45
(1,3544)	2:B:51:VAL:HG23	2:B:48:ARG:HB3	5	0.45
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD1	1	0.45
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD2	1	0.45
(1,3182)	2:B:12:ILE:HD12	2:B:9:ALA:H	4	0.45
(1,3182)	2:B:12:ILE:HD11	2:B:9:ALA:H	4	0.45
(1,3182)	2:B:12:ILE:HD13	2:B:9:ALA:H	4	0.45
(1,2695)	2:C:54:ILE:HG22	2:C:46:PHE:HB2	1	0.45
(1,2695)	2:C:54:ILE:HG21	2:C:46:PHE:HB2	1	0.45
(1,2695)	2:C:54:ILE:HG23	2:C:46:PHE:HB2	1	0.45
(1,2551)	2:C:20:VAL:HG12	2:C:19:ILE:HB	4	0.45
(1,2551)	2:C:20:VAL:HG11	2:C:19:ILE:HB	4	0.45
(1,2551)	2:C:20:VAL:HG13	2:C:19:ILE:HB	4	0.45
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB2	3	0.45
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB1	3	0.45
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB3	3	0.45
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB2	3	0.45
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB1	3	0.45
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB3	3	0.45
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB2	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB1	3	0.45
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB3	3	0.45
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB2	2	0.45
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB1	2	0.45
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB3	2	0.45
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB2	2	0.45
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB1	2	0.45
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB3	2	0.45
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB2	2	0.45
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB1	2	0.45
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB3	2	0.45
(1,2500)	2:B:25:ILE:HG22	2:B:20:VAL:HB	5	0.45
(1,2500)	2:B:25:ILE:HG21	2:B:20:VAL:HB	5	0.45
(1,2500)	2:B:25:ILE:HG23	2:B:20:VAL:HB	5	0.45
(1,2192)	2:B:25:ILE:HD12	2:B:30:ALA:HA	3	0.45
(1,2192)	2:B:25:ILE:HD11	2:B:30:ALA:HA	3	0.45
(1,2192)	2:B:25:ILE:HD13	2:B:30:ALA:HA	3	0.45
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG22	9	0.45
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG21	9	0.45
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG23	9	0.45
(1,2159)	2:C:13:VAL:HG22	2:C:48:ARG:HD3	6	0.45
(1,2159)	2:C:13:VAL:HG21	2:C:48:ARG:HD3	6	0.45
(1,2159)	2:C:13:VAL:HG23	2:C:48:ARG:HD3	6	0.45
(1,2044)	2:B:5:LYS:HD2	2:B:44:PHE:HZ	8	0.45
(1,2012)	2:B:47:GLU:HG3	2:B:47:GLU:H	5	0.45
(1,1662)	1:A:149:LYS:HG2	1:A:149:LYS:HE3	3	0.45
(1,1662)	1:A:149:LYS:HG3	1:A:149:LYS:HE3	3	0.45
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD12	7	0.45
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD11	7	0.45
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD13	7	0.45
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD12	7	0.45
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD11	7	0.45
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD13	7	0.45
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD12	9	0.45
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD11	9	0.45
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD13	9	0.45
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD12	9	0.45
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD11	9	0.45
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD13	9	0.45
(1,1423)	1:A:119:LEU:HD22	1:A:117:ILE:HB	7	0.45
(1,1423)	1:A:119:LEU:HD21	1:A:117:ILE:HB	7	0.45
(1,1423)	1:A:119:LEU:HD23	1:A:117:ILE:HB	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1423)	1:A:119:LEU:HD22	1:A:118:LYS:HB2	7	0.45
(1,1423)	1:A:119:LEU:HD21	1:A:118:LYS:HB2	7	0.45
(1,1423)	1:A:119:LEU:HD23	1:A:118:LYS:HB2	7	0.45
(1,1423)	1:A:119:LEU:HD22	1:A:126:LEU:HB3	7	0.45
(1,1423)	1:A:119:LEU:HD21	1:A:126:LEU:HB3	7	0.45
(1,1423)	1:A:119:LEU:HD23	1:A:126:LEU:HB3	7	0.45
(1,13)	1:A:119:LEU:HD22	1:A:98:ILE:HA	6	0.45
(1,13)	1:A:119:LEU:HD21	1:A:98:ILE:HA	6	0.45
(1,13)	1:A:119:LEU:HD23	1:A:98:ILE:HA	6	0.45
(1,1287)	1:A:127:HIS:H	1:A:130:LEU:HD22	10	0.45
(1,1287)	1:A:127:HIS:H	1:A:130:LEU:HD21	10	0.45
(1,1287)	1:A:127:HIS:H	1:A:130:LEU:HD23	10	0.45
(1,1033)	1:A:106:ILE:HG13	1:A:106:ILE:H	10	0.45
(1,997)	1:A:93:SER:HB3	1:A:96:ASP:H	2	0.44
(1,672)	1:A:121:LEU:HD22	1:A:144:ILE:HA	4	0.44
(1,672)	1:A:121:LEU:HD21	1:A:144:ILE:HA	4	0.44
(1,672)	1:A:121:LEU:HD23	1:A:144:ILE:HA	4	0.44
(1,638)	1:A:132:LEU:HB3	1:A:135:LEU:HD12	7	0.44
(1,638)	1:A:132:LEU:HB3	1:A:135:LEU:HD11	7	0.44
(1,638)	1:A:132:LEU:HB3	1:A:135:LEU:HD13	7	0.44
(1,53)	1:A:114:ILE:HD12	1:A:103:GLN:H	3	0.44
(1,53)	1:A:114:ILE:HD11	1:A:103:GLN:H	3	0.44
(1,53)	1:A:114:ILE:HD13	1:A:103:GLN:H	3	0.44
(1,3253)	2:C:21:GLU:HB3	2:C:21:GLU:H	7	0.44
(1,2937)	2:C:6:GLU:HG2	2:C:44:PHE:HD1	10	0.44
(1,2937)	2:C:6:GLU:HG2	2:C:44:PHE:HD2	10	0.44
(1,2720)	2:B:54:ILE:HD12	2:B:6:GLU:HG3	6	0.44
(1,2720)	2:B:54:ILE:HD11	2:B:6:GLU:HG3	6	0.44
(1,2720)	2:B:54:ILE:HD13	2:B:6:GLU:HG3	6	0.44
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG12	4	0.44
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG11	4	0.44
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG13	4	0.44
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG12	4	0.44
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG11	4	0.44
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG13	4	0.44
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG12	4	0.44
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG11	4	0.44
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG13	4	0.44
(1,263)	1:A:80:LYS:HD3	1:A:86:PHE:HE1	5	0.44
(1,263)	1:A:80:LYS:HD3	1:A:86:PHE:HE2	5	0.44
(1,2498)	2:B:25:ILE:HG22	2:B:20:VAL:HG12	5	0.44
(1,2498)	2:B:25:ILE:HG22	2:B:20:VAL:HG11	5	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2498)	2:B:25:ILE:HG22	2:B:20:VAL:HG13	5	0.44
(1,2498)	2:B:25:ILE:HG21	2:B:20:VAL:HG12	5	0.44
(1,2498)	2:B:25:ILE:HG21	2:B:20:VAL:HG11	5	0.44
(1,2498)	2:B:25:ILE:HG21	2:B:20:VAL:HG13	5	0.44
(1,2498)	2:B:25:ILE:HG23	2:B:20:VAL:HG12	5	0.44
(1,2498)	2:B:25:ILE:HG23	2:B:20:VAL:HG11	5	0.44
(1,2498)	2:B:25:ILE:HG23	2:B:20:VAL:HG13	5	0.44
(1,2491)	2:C:54:ILE:HG22	2:C:7:GLU:HG2	10	0.44
(1,2491)	2:C:54:ILE:HG21	2:C:7:GLU:HG2	10	0.44
(1,2491)	2:C:54:ILE:HG23	2:C:7:GLU:HG2	10	0.44
(1,2422)	2:B:25:ILE:HD12	2:C:44:PHE:HZ	8	0.44
(1,2422)	2:B:25:ILE:HD11	2:C:44:PHE:HZ	8	0.44
(1,2422)	2:B:25:ILE:HD13	2:C:44:PHE:HZ	8	0.44
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD12	2	0.44
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD11	2	0.44
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD13	2	0.44
(1,2245)	2:C:55:LEU:HD22	2:C:11:LEU:HA	10	0.44
(1,2245)	2:C:55:LEU:HD21	2:C:11:LEU:HA	10	0.44
(1,2245)	2:C:55:LEU:HD23	2:C:11:LEU:HA	10	0.44
(1,2210)	2:B:22:LYS:HA	2:B:24:GLU:HB2	4	0.44
(1,2210)	2:B:22:LYS:HA	2:B:24:GLU:HB2	5	0.44
(1,2193)	2:C:25:ILE:HD12	2:C:30:ALA:HA	7	0.44
(1,2193)	2:C:25:ILE:HD11	2:C:30:ALA:HA	7	0.44
(1,2193)	2:C:25:ILE:HD13	2:C:30:ALA:HA	7	0.44
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG22	7	0.44
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG21	7	0.44
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG23	7	0.44
(1,2060)	2:B:55:LEU:HD22	2:B:14:ASN:H	9	0.44
(1,2060)	2:B:55:LEU:HD21	2:B:14:ASN:H	9	0.44
(1,2060)	2:B:55:LEU:HD23	2:B:14:ASN:H	9	0.44
(1,2044)	2:B:5:LYS:HD2	2:B:44:PHE:HZ	4	0.44
(1,1889)	2:C:22:LYS:HD3	2:C:22:LYS:H	7	0.44
(1,1659)	1:A:118:LYS:HB2	1:A:118:LYS:HE3	3	0.44
(1,1659)	1:A:124:LYS:HE2	1:A:124:LYS:HD3	3	0.44
(1,1557)	1:A:81:ILE:HA	1:A:79:LYS:HD3	2	0.44
(1,1557)	1:A:81:ILE:HA	1:A:85:LYS:HD3	2	0.44
(1,1166)	1:A:125:VAL:HB	1:A:125:VAL:H	1	0.44
(1,1139)	1:A:82:GLN:HG3	1:A:82:GLN:H	8	0.44
(1,897)	1:A:85:LYS:HB2	1:A:86:PHE:H	4	0.43
(1,889)	1:A:130:LEU:HB3	1:A:130:LEU:H	8	0.43
(1,889)	1:A:130:LEU:HB3	1:A:130:LEU:H	9	0.43
(1,749)	1:A:124:LYS:HG2	1:A:125:VAL:HA	6	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,672)	1:A:121:LEU:HD22	1:A:144:ILE:HA	9	0.43
(1,672)	1:A:121:LEU:HD21	1:A:144:ILE:HA	9	0.43
(1,672)	1:A:121:LEU:HD23	1:A:144:ILE:HA	9	0.43
(1,54)	1:A:81:ILE:HD12	1:A:82:GLN:H	4	0.43
(1,54)	1:A:81:ILE:HD11	1:A:82:GLN:H	4	0.43
(1,54)	1:A:81:ILE:HD13	1:A:82:GLN:H	4	0.43
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB2	6	0.43
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB1	6	0.43
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB3	6	0.43
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB2	6	0.43
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB1	6	0.43
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB3	6	0.43
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB2	6	0.43
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB1	6	0.43
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB3	6	0.43
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB2	6	0.43
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB1	6	0.43
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB3	6	0.43
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB2	6	0.43
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB1	6	0.43
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB3	6	0.43
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB2	6	0.43
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB1	6	0.43
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB3	6	0.43
(1,3555)	2:C:25:ILE:HD12	2:C:19:ILE:HB	7	0.43
(1,3555)	2:C:25:ILE:HD11	2:C:19:ILE:HB	7	0.43
(1,3555)	2:C:25:ILE:HD13	2:C:19:ILE:HB	7	0.43
(1,3555)	2:C:25:ILE:HD12	2:B:5:LYS:HB3	7	0.43
(1,3555)	2:C:25:ILE:HD11	2:B:5:LYS:HB3	7	0.43
(1,3555)	2:C:25:ILE:HD13	2:B:5:LYS:HB3	7	0.43
(1,3552)	2:B:25:ILE:HD12	2:B:24:GLU:HB3	1	0.43
(1,3552)	2:B:25:ILE:HD11	2:B:24:GLU:HB3	1	0.43
(1,3552)	2:B:25:ILE:HD13	2:B:24:GLU:HB3	1	0.43
(1,3552)	2:B:25:ILE:HD12	2:B:20:VAL:HB	1	0.43
(1,3552)	2:B:25:ILE:HD11	2:B:20:VAL:HB	1	0.43
(1,3552)	2:B:25:ILE:HD13	2:B:20:VAL:HB	1	0.43
(1,3542)	2:B:51:VAL:HG22	2:B:13:VAL:HB	3	0.43
(1,3542)	2:B:51:VAL:HG21	2:B:13:VAL:HB	3	0.43
(1,3542)	2:B:51:VAL:HG23	2:B:13:VAL:HB	3	0.43
(1,3542)	2:B:51:VAL:HG22	2:B:49:GLU:HG3	3	0.43
(1,3542)	2:B:51:VAL:HG21	2:B:49:GLU:HG3	3	0.43
(1,3542)	2:B:51:VAL:HG23	2:B:49:GLU:HG3	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3138)	2:B:2:SER:H	2:B:3:ALA:H	7	0.43
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD22	4	0.43
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD21	4	0.43
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD23	4	0.43
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD22	4	0.43
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD21	4	0.43
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD23	4	0.43
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD22	4	0.43
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD21	4	0.43
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD23	4	0.43
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD22	9	0.43
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD21	9	0.43
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD23	9	0.43
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD22	9	0.43
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD21	9	0.43
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD23	9	0.43
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD22	9	0.43
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD21	9	0.43
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD23	9	0.43
(1,263)	1:A:80:LYS:HD3	1:A:86:PHE:HE1	9	0.43
(1,263)	1:A:80:LYS:HD3	1:A:86:PHE:HE2	9	0.43
(1,2564)	2:B:33:LEU:HD12	2:B:19:ILE:HG22	6	0.43
(1,2564)	2:B:33:LEU:HD12	2:B:19:ILE:HG21	6	0.43
(1,2564)	2:B:33:LEU:HD12	2:B:19:ILE:HG23	6	0.43
(1,2564)	2:B:33:LEU:HD11	2:B:19:ILE:HG22	6	0.43
(1,2564)	2:B:33:LEU:HD11	2:B:19:ILE:HG21	6	0.43
(1,2564)	2:B:33:LEU:HD11	2:B:19:ILE:HG23	6	0.43
(1,2564)	2:B:33:LEU:HD13	2:B:19:ILE:HG22	6	0.43
(1,2564)	2:B:33:LEU:HD13	2:B:19:ILE:HG21	6	0.43
(1,2564)	2:B:33:LEU:HD13	2:B:19:ILE:HG23	6	0.43
(1,2551)	2:C:20:VAL:HG12	2:C:19:ILE:HB	9	0.43
(1,2551)	2:C:20:VAL:HG11	2:C:19:ILE:HB	9	0.43
(1,2551)	2:C:20:VAL:HG13	2:C:19:ILE:HB	9	0.43
(1,2534)	2:B:36:ALA:HB2	2:C:40:ILE:HG13	10	0.43
(1,2534)	2:B:36:ALA:HB1	2:C:40:ILE:HG13	10	0.43
(1,2534)	2:B:36:ALA:HB3	2:C:40:ILE:HG13	10	0.43
(1,247)	1:A:103:GLN:HG2	1:A:100:GLN:HE22	4	0.43
(1,2423)	2:C:25:ILE:HD12	2:B:44:PHE:HZ	6	0.43
(1,2423)	2:C:25:ILE:HD11	2:B:44:PHE:HZ	6	0.43
(1,2423)	2:C:25:ILE:HD13	2:B:44:PHE:HZ	6	0.43
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD12	3	0.43
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD11	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD13	3	0.43
(1,2208)	2:B:23:LYS:HD2	2:B:23:LYS:HA	7	0.43
(1,2208)	2:B:23:LYS:HD3	2:B:23:LYS:HA	7	0.43
(1,2158)	2:B:13:VAL:HG22	2:B:48:ARG:HD3	8	0.43
(1,2158)	2:B:13:VAL:HG21	2:B:48:ARG:HD3	8	0.43
(1,2158)	2:B:13:VAL:HG23	2:B:48:ARG:HD3	8	0.43
(1,2043)	2:C:5:LYS:HD3	2:C:44:PHE:HZ	8	0.43
(1,2013)	2:C:47:GLU:HG3	2:C:47:GLU:H	5	0.43
(1,176)	1:A:132:LEU:HD22	1:A:96:ASP:HB2	1	0.43
(1,176)	1:A:132:LEU:HD21	1:A:96:ASP:HB2	1	0.43
(1,176)	1:A:132:LEU:HD23	1:A:96:ASP:HB2	1	0.43
(1,1449)	1:A:78:LEU:HD12	1:A:90:HIS:H	2	0.43
(1,1449)	1:A:78:LEU:HD11	1:A:90:HIS:H	2	0.43
(1,1449)	1:A:78:LEU:HD13	1:A:90:HIS:H	2	0.43
(1,1449)	1:A:135:LEU:HD12	1:A:131:PHE:H	2	0.43
(1,1449)	1:A:135:LEU:HD11	1:A:131:PHE:H	2	0.43
(1,1449)	1:A:135:LEU:HD13	1:A:131:PHE:H	2	0.43
(1,1411)	1:A:116:GLU:HG3	1:A:151:ASN:H	1	0.43
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD12	3	0.43
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD11	3	0.43
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD13	3	0.43
(1,1175)	1:A:153:GLU:H	1:A:152:LEU:HD22	5	0.43
(1,1175)	1:A:153:GLU:H	1:A:152:LEU:HD21	5	0.43
(1,1175)	1:A:153:GLU:H	1:A:152:LEU:HD23	5	0.43
(1,1011)	1:A:98:ILE:H	1:A:98:ILE:HG12	1	0.43
(1,958)	1:A:121:LEU:H	1:A:126:LEU:HB3	9	0.42
(1,762)	1:A:119:LEU:HA	1:A:144:ILE:HG22	2	0.42
(1,762)	1:A:119:LEU:HA	1:A:144:ILE:HG21	2	0.42
(1,762)	1:A:119:LEU:HA	1:A:144:ILE:HG23	2	0.42
(1,67)	1:A:83:ALA:HB2	1:A:85:LYS:H	5	0.42
(1,67)	1:A:83:ALA:HB1	1:A:85:LYS:H	5	0.42
(1,67)	1:A:83:ALA:HB3	1:A:85:LYS:H	5	0.42
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD12	5	0.42
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD11	5	0.42
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD13	5	0.42
(1,54)	1:A:81:ILE:HD12	1:A:82:GLN:H	8	0.42
(1,54)	1:A:81:ILE:HD11	1:A:82:GLN:H	8	0.42
(1,54)	1:A:81:ILE:HD13	1:A:82:GLN:H	8	0.42
(1,4050)	2:B:54:ILE:HB	2:B:8:ILE:H	10	0.42
(1,4050)	2:B:54:ILE:HB	2:B:50:ALA:H	10	0.42
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD12	3	0.42
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD11	3	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD13	3	0.42
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD12	3	0.42
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD11	3	0.42
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD13	3	0.42
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD12	3	0.42
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD11	3	0.42
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD13	3	0.42
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG22	3	0.42
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG21	3	0.42
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG23	3	0.42
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG22	3	0.42
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG21	3	0.42
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG23	3	0.42
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG22	3	0.42
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG21	3	0.42
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG23	3	0.42
(1,3557)	2:C:25:ILE:HD12	2:B:5:LYS:HD2	4	0.42
(1,3557)	2:C:25:ILE:HD11	2:B:5:LYS:HD2	4	0.42
(1,3557)	2:C:25:ILE:HD13	2:B:5:LYS:HD2	4	0.42
(1,3557)	2:C:25:ILE:HD12	2:B:5:LYS:HG3	4	0.42
(1,3557)	2:C:25:ILE:HD11	2:B:5:LYS:HG3	4	0.42
(1,3557)	2:C:25:ILE:HD13	2:B:5:LYS:HG3	4	0.42
(1,3555)	2:C:25:ILE:HD12	2:C:19:ILE:HB	4	0.42
(1,3555)	2:C:25:ILE:HD11	2:C:19:ILE:HB	4	0.42
(1,3555)	2:C:25:ILE:HD13	2:C:19:ILE:HB	4	0.42
(1,3555)	2:C:25:ILE:HD12	2:B:5:LYS:HB3	4	0.42
(1,3555)	2:C:25:ILE:HD11	2:B:5:LYS:HB3	4	0.42
(1,3555)	2:C:25:ILE:HD13	2:B:5:LYS:HB3	4	0.42
(1,3421)	2:C:51:VAL:H	2:C:54:ILE:HG12	5	0.42
(1,3420)	2:B:51:VAL:H	2:B:54:ILE:HG12	1	0.42
(1,3175)	2:C:7:GLU:H	2:C:4:SER:HB3	6	0.42
(1,3162)	2:B:6:GLU:HB2	2:B:7:GLU:H	5	0.42
(1,3106)	2:B:51:VAL:HG22	2:B:52:SER:H	1	0.42
(1,3106)	2:B:51:VAL:HG21	2:B:52:SER:H	1	0.42
(1,3106)	2:B:51:VAL:HG23	2:B:52:SER:H	1	0.42
(1,3068)	2:B:39:CYS:H	2:B:35:VAL:HB	7	0.42
(1,2780)	2:B:41:SER:HA	2:B:46:PHE:HE1	6	0.42
(1,2780)	2:B:41:SER:HA	2:B:46:PHE:HE2	6	0.42
(1,2532)	2:B:36:ALA:HB2	2:B:35:VAL:HB	4	0.42
(1,2532)	2:B:36:ALA:HB1	2:B:35:VAL:HB	4	0.42
(1,2532)	2:B:36:ALA:HB3	2:B:35:VAL:HB	4	0.42
(1,2483)	2:C:25:ILE:HB	2:C:19:ILE:HG22	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2483)	2:C:25:ILE:HB	2:C:19:ILE:HG21	10	0.42
(1,2483)	2:C:25:ILE:HB	2:C:19:ILE:HG23	10	0.42
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG22	3	0.42
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG21	3	0.42
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG23	3	0.42
(1,2423)	2:C:25:ILE:HD12	2:B:44:PHE:HZ	8	0.42
(1,2423)	2:C:25:ILE:HD11	2:B:44:PHE:HZ	8	0.42
(1,2423)	2:C:25:ILE:HD13	2:B:44:PHE:HZ	8	0.42
(1,2408)	2:B:19:ILE:HG22	2:C:44:PHE:HZ	7	0.42
(1,2408)	2:B:19:ILE:HG21	2:C:44:PHE:HZ	7	0.42
(1,2408)	2:B:19:ILE:HG23	2:C:44:PHE:HZ	7	0.42
(1,2243)	2:C:11:LEU:HA	2:C:54:ILE:HB	6	0.42
(1,180)	1:A:132:LEU:HD12	1:A:96:ASP:HB2	6	0.42
(1,180)	1:A:132:LEU:HD11	1:A:96:ASP:HB2	6	0.42
(1,180)	1:A:132:LEU:HD13	1:A:96:ASP:HB2	6	0.42
(1,174)	1:A:132:LEU:HD22	1:A:92:PHE:HA	6	0.42
(1,174)	1:A:132:LEU:HD21	1:A:92:PHE:HA	6	0.42
(1,174)	1:A:132:LEU:HD23	1:A:92:PHE:HA	6	0.42
(1,1651)	1:A:88:ILE:HG22	1:A:78:LEU:HB3	9	0.42
(1,1651)	1:A:88:ILE:HG21	1:A:78:LEU:HB3	9	0.42
(1,1651)	1:A:88:ILE:HG23	1:A:78:LEU:HB3	9	0.42
(1,1651)	1:A:88:ILE:HG22	1:A:89:GLU:HG3	9	0.42
(1,1651)	1:A:88:ILE:HG21	1:A:89:GLU:HG3	9	0.42
(1,1651)	1:A:88:ILE:HG23	1:A:89:GLU:HG3	9	0.42
(1,1623)	1:A:126:LEU:HG	1:A:124:LYS:HE3	10	0.42
(1,1623)	1:A:126:LEU:HG	1:A:127:HIS:HB2	10	0.42
(1,1623)	1:A:126:LEU:HG	1:A:134:ASP:HB2	10	0.42
(1,1449)	1:A:78:LEU:HD12	1:A:90:HIS:H	7	0.42
(1,1449)	1:A:78:LEU:HD11	1:A:90:HIS:H	7	0.42
(1,1449)	1:A:78:LEU:HD13	1:A:90:HIS:H	7	0.42
(1,1449)	1:A:135:LEU:HD12	1:A:131:PHE:H	7	0.42
(1,1449)	1:A:135:LEU:HD11	1:A:131:PHE:H	7	0.42
(1,1449)	1:A:135:LEU:HD13	1:A:131:PHE:H	7	0.42
(1,1350)	1:A:141:ASN:HB3	1:A:141:ASN:HD21	1	0.42
(1,1033)	1:A:106:ILE:HG13	1:A:106:ILE:H	5	0.42
(1,980)	1:A:101:ILE:HG13	1:A:101:ILE:H	10	0.41
(1,80)	1:A:148:ILE:HG22	1:A:112:SER:HA	4	0.41
(1,80)	1:A:148:ILE:HG21	1:A:112:SER:HA	4	0.41
(1,80)	1:A:148:ILE:HG23	1:A:112:SER:HA	4	0.41
(1,762)	1:A:119:LEU:HA	1:A:144:ILE:HG22	7	0.41
(1,762)	1:A:119:LEU:HA	1:A:144:ILE:HG21	7	0.41
(1,762)	1:A:119:LEU:HA	1:A:144:ILE:HG23	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,734)	1:A:87:SER:HA	1:A:79:LYS:HD3	1	0.41
(1,686)	1:A:122:LYS:HA	1:A:122:LYS:HD3	2	0.41
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD12	7	0.41
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD11	7	0.41
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD13	7	0.41
(1,58)	1:A:114:ILE:HD12	1:A:99:LEU:HA	3	0.41
(1,58)	1:A:114:ILE:HD11	1:A:99:LEU:HA	3	0.41
(1,58)	1:A:114:ILE:HD13	1:A:99:LEU:HA	3	0.41
(1,54)	1:A:81:ILE:HD12	1:A:82:GLN:H	7	0.41
(1,54)	1:A:81:ILE:HD11	1:A:82:GLN:H	7	0.41
(1,54)	1:A:81:ILE:HD13	1:A:82:GLN:H	7	0.41
(1,44)	1:A:88:ILE:HD12	1:A:78:LEU:HB3	9	0.41
(1,44)	1:A:88:ILE:HD11	1:A:78:LEU:HB3	9	0.41
(1,44)	1:A:88:ILE:HD13	1:A:78:LEU:HB3	9	0.41
(1,4085)	2:C:14:ASN:H	2:C:12:ILE:HG22	10	0.41
(1,4085)	2:C:14:ASN:H	2:C:12:ILE:HG21	10	0.41
(1,4085)	2:C:14:ASN:H	2:C:12:ILE:HG23	10	0.41
(1,4085)	2:C:55:LEU:HD22	2:C:14:ASN:H	10	0.41
(1,4085)	2:C:55:LEU:HD21	2:C:14:ASN:H	10	0.41
(1,4085)	2:C:55:LEU:HD23	2:C:14:ASN:H	10	0.41
(1,3708)	2:B:4:SER:HB2	2:B:5:LYS:H	2	0.41
(1,3708)	2:B:26:SER:HB2	2:B:27:GLU:H	2	0.41
(1,3572)	2:B:33:LEU:HD22	2:B:19:ILE:HB	5	0.41
(1,3572)	2:B:33:LEU:HD21	2:B:19:ILE:HB	5	0.41
(1,3572)	2:B:33:LEU:HD23	2:B:19:ILE:HB	5	0.41
(1,3572)	2:B:33:LEU:HD22	2:C:5:LYS:HB3	5	0.41
(1,3572)	2:B:33:LEU:HD21	2:C:5:LYS:HB3	5	0.41
(1,3572)	2:B:33:LEU:HD23	2:C:5:LYS:HB3	5	0.41
(1,3543)	2:C:51:VAL:HG22	2:C:13:VAL:HB	9	0.41
(1,3543)	2:C:51:VAL:HG21	2:C:13:VAL:HB	9	0.41
(1,3543)	2:C:51:VAL:HG23	2:C:13:VAL:HB	9	0.41
(1,3543)	2:C:51:VAL:HG22	2:C:49:GLU:HG3	9	0.41
(1,3543)	2:C:51:VAL:HG21	2:C:49:GLU:HG3	9	0.41
(1,3543)	2:C:51:VAL:HG23	2:C:49:GLU:HG3	9	0.41
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD1	2	0.41
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD2	2	0.41
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD1	3	0.41
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD2	3	0.41
(1,3163)	2:C:6:GLU:HB2	2:C:7:GLU:H	3	0.41
(1,3129)	2:C:55:LEU:HD22	2:C:55:LEU:H	9	0.41
(1,3129)	2:C:55:LEU:HD21	2:C:55:LEU:H	9	0.41
(1,3129)	2:C:55:LEU:HD23	2:C:55:LEU:H	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3106)	2:B:51:VAL:HG22	2:B:52:SER:H	7	0.41
(1,3106)	2:B:51:VAL:HG21	2:B:52:SER:H	7	0.41
(1,3106)	2:B:51:VAL:HG23	2:B:52:SER:H	7	0.41
(1,2953)	2:C:60:PHE:HD1	2:C:11:LEU:HD22	4	0.41
(1,2953)	2:C:60:PHE:HD1	2:C:11:LEU:HD21	4	0.41
(1,2953)	2:C:60:PHE:HD1	2:C:11:LEU:HD23	4	0.41
(1,2953)	2:C:60:PHE:HD2	2:C:11:LEU:HD22	4	0.41
(1,2953)	2:C:60:PHE:HD2	2:C:11:LEU:HD21	4	0.41
(1,2953)	2:C:60:PHE:HD2	2:C:11:LEU:HD23	4	0.41
(1,2884)	2:B:6:GLU:HG2	2:B:54:ILE:HG22	9	0.41
(1,2884)	2:B:6:GLU:HG2	2:B:54:ILE:HG21	9	0.41
(1,2884)	2:B:6:GLU:HG2	2:B:54:ILE:HG23	9	0.41
(1,2829)	2:C:6:GLU:HG2	2:C:9:ALA:HB2	6	0.41
(1,2829)	2:C:6:GLU:HG2	2:C:9:ALA:HB1	6	0.41
(1,2829)	2:C:6:GLU:HG2	2:C:9:ALA:HB3	6	0.41
(1,2631)	2:C:51:VAL:HB	2:C:55:LEU:HG	5	0.41
(1,2544)	2:B:51:VAL:HG12	2:B:55:LEU:HG	3	0.41
(1,2544)	2:B:51:VAL:HG11	2:B:55:LEU:HG	3	0.41
(1,2544)	2:B:51:VAL:HG13	2:B:55:LEU:HG	3	0.41
(1,2347)	2:C:44:PHE:HB2	2:C:46:PHE:HD1	1	0.41
(1,2347)	2:C:44:PHE:HB2	2:C:46:PHE:HD2	1	0.41
(1,2227)	2:C:5:LYS:HA	2:C:8:ILE:HG13	9	0.41
(1,2204)	2:B:22:LYS:HG2	2:B:22:LYS:HA	5	0.41
(1,2193)	2:C:25:ILE:HD12	2:C:30:ALA:HA	10	0.41
(1,2193)	2:C:25:ILE:HD11	2:C:30:ALA:HA	10	0.41
(1,2193)	2:C:25:ILE:HD13	2:C:30:ALA:HA	10	0.41
(1,2043)	2:C:5:LYS:HD3	2:C:44:PHE:HZ	6	0.41
(1,201)	1:A:144:ILE:HG22	1:A:120:LEU:H	6	0.41
(1,201)	1:A:144:ILE:HG21	1:A:120:LEU:H	6	0.41
(1,201)	1:A:144:ILE:HG23	1:A:120:LEU:H	6	0.41
(1,1663)	1:A:85:LYS:HG2	1:A:85:LYS:HE3	8	0.41
(1,1663)	1:A:85:LYS:HG3	1:A:85:LYS:HE3	8	0.41
(1,1659)	1:A:118:LYS:HB2	1:A:118:LYS:HE3	7	0.41
(1,1659)	1:A:124:LYS:HE2	1:A:124:LYS:HD3	7	0.41
(1,1614)	1:A:90:HIS:HB2	1:A:76:LEU:HD12	9	0.41
(1,1614)	1:A:90:HIS:HB2	1:A:76:LEU:HD11	9	0.41
(1,1614)	1:A:90:HIS:HB2	1:A:76:LEU:HD13	9	0.41
(1,1614)	1:A:147:MET:HG2	1:A:146:VAL:HG22	9	0.41
(1,1614)	1:A:147:MET:HG2	1:A:146:VAL:HG21	9	0.41
(1,1614)	1:A:147:MET:HG2	1:A:146:VAL:HG23	9	0.41
(1,1614)	1:A:150:PRO:HB2	1:A:148:ILE:HG22	9	0.41
(1,1614)	1:A:150:PRO:HB2	1:A:148:ILE:HG21	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1614)	1:A:150:PRO:HB2	1:A:148:ILE:HG23	9	0.41
(1,1614)	1:A:150:PRO:HB2	1:A:152:LEU:HD12	9	0.41
(1,1614)	1:A:150:PRO:HB2	1:A:152:LEU:HD11	9	0.41
(1,1614)	1:A:150:PRO:HB2	1:A:152:LEU:HD13	9	0.41
(1,1338)	1:A:99:LEU:HD12	1:A:103:GLN:HE21	2	0.41
(1,1338)	1:A:99:LEU:HD11	1:A:103:GLN:HE21	2	0.41
(1,1338)	1:A:99:LEU:HD13	1:A:103:GLN:HE21	2	0.41
(1,1140)	1:A:82:GLN:HG2	1:A:82:GLN:H	6	0.41
(1,1077)	1:A:129:ASN:HB3	1:A:129:ASN:H	5	0.41
(1,1033)	1:A:106:ILE:HG13	1:A:106:ILE:H	3	0.41
(1,1011)	1:A:98:ILE:H	1:A:98:ILE:HG12	7	0.41
(3,34)	1:A:149:LYS:N	1:A:116:GLU:O	4	0.4
(3,140)	2:C:38:ASP:N	2:C:34:ASN:O	8	0.4
(1,897)	1:A:85:LYS:HB2	1:A:86:PHE:H	9	0.4
(1,790)	1:A:126:LEU:HG	1:A:124:LYS:HE3	3	0.4
(1,790)	1:A:126:LEU:HG	1:A:124:LYS:HE3	8	0.4
(1,709)	1:A:122:LYS:HE3	1:A:141:ASN:HA	1	0.4
(1,54)	1:A:81:ILE:HD12	1:A:82:GLN:H	3	0.4
(1,54)	1:A:81:ILE:HD11	1:A:82:GLN:H	3	0.4
(1,54)	1:A:81:ILE:HD13	1:A:82:GLN:H	3	0.4
(1,460)	1:A:126:LEU:HD12	1:A:120:LEU:HA	4	0.4
(1,460)	1:A:126:LEU:HD11	1:A:120:LEU:HA	4	0.4
(1,460)	1:A:126:LEU:HD13	1:A:120:LEU:HA	4	0.4
(1,4050)	2:B:54:ILE:HB	2:B:8:ILE:H	9	0.4
(1,4050)	2:B:54:ILE:HB	2:B:50:ALA:H	9	0.4
(1,3875)	2:C:15:TYR:HA	2:C:12:ILE:HD12	5	0.4
(1,3875)	2:C:15:TYR:HA	2:C:12:ILE:HD11	5	0.4
(1,3875)	2:C:15:TYR:HA	2:C:12:ILE:HD13	5	0.4
(1,3875)	2:C:15:TYR:HA	2:B:12:ILE:HD12	5	0.4
(1,3875)	2:C:15:TYR:HA	2:B:12:ILE:HD11	5	0.4
(1,3875)	2:C:15:TYR:HA	2:B:12:ILE:HD13	5	0.4
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG22	3	0.4
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG21	3	0.4
(1,3736)	2:B:54:ILE:HD12	2:B:13:VAL:HG23	3	0.4
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG22	3	0.4
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG21	3	0.4
(1,3736)	2:B:54:ILE:HD11	2:B:13:VAL:HG23	3	0.4
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG22	3	0.4
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG21	3	0.4
(1,3736)	2:B:54:ILE:HD13	2:B:13:VAL:HG23	3	0.4
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG22	3	0.4
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG21	3	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3736)	2:B:54:ILE:HD12	2:B:51:VAL:HG23	3	0.4
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG22	3	0.4
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG21	3	0.4
(1,3736)	2:B:54:ILE:HD11	2:B:51:VAL:HG23	3	0.4
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG22	3	0.4
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG21	3	0.4
(1,3736)	2:B:54:ILE:HD13	2:B:51:VAL:HG23	3	0.4
(1,3642)	2:B:68:ILE:HB	2:B:71:SER:H	1	0.4
(1,3642)	2:B:68:ILE:HB	2:C:54:ILE:H	1	0.4
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB2	7	0.4
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB1	7	0.4
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB3	7	0.4
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB2	7	0.4
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB1	7	0.4
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB3	7	0.4
(1,3421)	2:C:51:VAL:H	2:C:54:ILE:HG12	2	0.4
(1,3183)	2:C:12:ILE:HD12	2:C:9:ALA:H	5	0.4
(1,3183)	2:C:12:ILE:HD11	2:C:9:ALA:H	5	0.4
(1,3183)	2:C:12:ILE:HD13	2:C:9:ALA:H	5	0.4
(1,3139)	2:C:2:SER:H	2:C:3:ALA:H	2	0.4
(1,3139)	2:C:2:SER:H	2:C:3:ALA:H	3	0.4
(1,2957)	2:C:16:PHE:HE1	2:B:12:ILE:HD12	7	0.4
(1,2957)	2:C:16:PHE:HE1	2:B:12:ILE:HD11	7	0.4
(1,2957)	2:C:16:PHE:HE1	2:B:12:ILE:HD13	7	0.4
(1,2957)	2:C:16:PHE:HE2	2:B:12:ILE:HD12	7	0.4
(1,2957)	2:C:16:PHE:HE2	2:B:12:ILE:HD11	7	0.4
(1,2957)	2:C:16:PHE:HE2	2:B:12:ILE:HD13	7	0.4
(1,2957)	2:C:16:PHE:HE1	2:B:12:ILE:HD12	8	0.4
(1,2957)	2:C:16:PHE:HE1	2:B:12:ILE:HD11	8	0.4
(1,2957)	2:C:16:PHE:HE1	2:B:12:ILE:HD13	8	0.4
(1,2957)	2:C:16:PHE:HE2	2:B:12:ILE:HD12	8	0.4
(1,2957)	2:C:16:PHE:HE2	2:B:12:ILE:HD11	8	0.4
(1,2957)	2:C:16:PHE:HE2	2:B:12:ILE:HD13	8	0.4
(1,2946)	2:B:44:PHE:HB2	2:B:46:PHE:HE1	2	0.4
(1,2946)	2:B:44:PHE:HB2	2:B:46:PHE:HE2	2	0.4
(1,2780)	2:B:41:SER:HA	2:B:46:PHE:HE1	1	0.4
(1,2780)	2:B:41:SER:HA	2:B:46:PHE:HE2	1	0.4
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG12	7	0.4
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG11	7	0.4
(1,2642)	2:B:25:ILE:HD12	2:B:20:VAL:HG13	7	0.4
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG12	7	0.4
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG11	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2642)	2:B:25:ILE:HD11	2:B:20:VAL:HG13	7	0.4
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG12	7	0.4
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG11	7	0.4
(1,2642)	2:B:25:ILE:HD13	2:B:20:VAL:HG13	7	0.4
(1,2550)	2:B:20:VAL:HG12	2:B:19:ILE:HB	9	0.4
(1,2550)	2:B:20:VAL:HG11	2:B:19:ILE:HB	9	0.4
(1,2550)	2:B:20:VAL:HG13	2:B:19:ILE:HB	9	0.4
(1,2533)	2:C:36:ALA:HB2	2:C:35:VAL:HB	6	0.4
(1,2533)	2:C:36:ALA:HB1	2:C:35:VAL:HB	6	0.4
(1,2533)	2:C:36:ALA:HB3	2:C:35:VAL:HB	6	0.4
(1,2499)	2:C:25:ILE:HG22	2:C:20:VAL:HG12	10	0.4
(1,2499)	2:C:25:ILE:HG22	2:C:20:VAL:HG11	10	0.4
(1,2499)	2:C:25:ILE:HG22	2:C:20:VAL:HG13	10	0.4
(1,2499)	2:C:25:ILE:HG21	2:C:20:VAL:HG12	10	0.4
(1,2499)	2:C:25:ILE:HG21	2:C:20:VAL:HG11	10	0.4
(1,2499)	2:C:25:ILE:HG21	2:C:20:VAL:HG13	10	0.4
(1,2499)	2:C:25:ILE:HG23	2:C:20:VAL:HG12	10	0.4
(1,2499)	2:C:25:ILE:HG23	2:C:20:VAL:HG11	10	0.4
(1,2499)	2:C:25:ILE:HG23	2:C:20:VAL:HG13	10	0.4
(1,2308)	2:B:52:SER:HA	2:B:55:LEU:HD12	1	0.4
(1,2308)	2:B:52:SER:HA	2:B:55:LEU:HD11	1	0.4
(1,2308)	2:B:52:SER:HA	2:B:55:LEU:HD13	1	0.4
(1,2270)	2:B:20:VAL:HA	2:B:25:ILE:HG22	1	0.4
(1,2270)	2:B:20:VAL:HA	2:B:25:ILE:HG21	1	0.4
(1,2270)	2:B:20:VAL:HA	2:B:25:ILE:HG23	1	0.4
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD12	5	0.4
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD11	5	0.4
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD13	5	0.4
(1,2044)	2:B:5:LYS:HD2	2:B:44:PHE:HZ	1	0.4
(1,2043)	2:C:5:LYS:HD3	2:C:44:PHE:HZ	2	0.4
(1,1614)	1:A:90:HIS:HB2	1:A:76:LEU:HD12	8	0.4
(1,1614)	1:A:90:HIS:HB2	1:A:76:LEU:HD11	8	0.4
(1,1614)	1:A:90:HIS:HB2	1:A:76:LEU:HD13	8	0.4
(1,1614)	1:A:147:MET:HG2	1:A:146:VAL:HG22	8	0.4
(1,1614)	1:A:147:MET:HG2	1:A:146:VAL:HG21	8	0.4
(1,1614)	1:A:147:MET:HG2	1:A:146:VAL:HG23	8	0.4
(1,1614)	1:A:150:PRO:HB2	1:A:148:ILE:HG22	8	0.4
(1,1614)	1:A:150:PRO:HB2	1:A:148:ILE:HG21	8	0.4
(1,1614)	1:A:150:PRO:HB2	1:A:148:ILE:HG23	8	0.4
(1,1614)	1:A:150:PRO:HB2	1:A:152:LEU:HD12	8	0.4
(1,1614)	1:A:150:PRO:HB2	1:A:152:LEU:HD11	8	0.4
(1,1614)	1:A:150:PRO:HB2	1:A:152:LEU:HD13	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1011)	1:A:98:ILE:H	1:A:98:ILE:HG12	10	0.4
(3,139)	2:C:38:ASP:H	2:C:34:ASN:O	1	0.39
(1,695)	1:A:79:LYS:HE3	1:A:81:ILE:HB	3	0.39
(1,494)	1:A:98:ILE:HA	1:A:101:ILE:HG12	4	0.39
(1,4189)	1:A:124:LYS:H	2:B:31:ASP:H	1	0.39
(1,4189)	1:A:124:LYS:H	2:C:31:ASP:H	1	0.39
(1,4189)	1:A:124:LYS:H	2:B:38:ASP:H	1	0.39
(1,4189)	1:A:124:LYS:H	2:C:38:ASP:H	1	0.39
(1,382)	1:A:73:MET:HB2	1:A:74:VAL:H	2	0.39
(1,3814)	2:B:5:LYS:HG2	2:B:5:LYS:H	10	0.39
(1,3814)	2:B:5:LYS:HG2	2:B:6:GLU:H	10	0.39
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB2	5	0.39
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB1	5	0.39
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB3	5	0.39
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB2	5	0.39
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB1	5	0.39
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB3	5	0.39
(1,3252)	2:B:21:GLU:HB3	2:B:21:GLU:H	6	0.39
(1,3252)	2:B:21:GLU:HB3	2:B:21:GLU:H	8	0.39
(1,3174)	2:B:7:GLU:H	2:B:4:SER:HB3	2	0.39
(1,3106)	2:B:51:VAL:HG22	2:B:52:SER:H	2	0.39
(1,3106)	2:B:51:VAL:HG21	2:B:52:SER:H	2	0.39
(1,3106)	2:B:51:VAL:HG23	2:B:52:SER:H	2	0.39
(1,3106)	2:B:51:VAL:HG22	2:B:52:SER:H	5	0.39
(1,3106)	2:B:51:VAL:HG21	2:B:52:SER:H	5	0.39
(1,3106)	2:B:51:VAL:HG23	2:B:52:SER:H	5	0.39
(1,2947)	2:C:44:PHE:HB2	2:C:46:PHE:HE1	5	0.39
(1,2947)	2:C:44:PHE:HB2	2:C:46:PHE:HE2	5	0.39
(1,2804)	2:B:52:SER:HB3	2:C:68:ILE:HG22	9	0.39
(1,2804)	2:B:52:SER:HB3	2:C:68:ILE:HG21	9	0.39
(1,2804)	2:B:52:SER:HB3	2:C:68:ILE:HG23	9	0.39
(1,2788)	2:B:33:LEU:HD22	2:C:40:ILE:HG13	2	0.39
(1,2788)	2:B:33:LEU:HD21	2:C:40:ILE:HG13	2	0.39
(1,2788)	2:B:33:LEU:HD23	2:C:40:ILE:HG13	2	0.39
(1,2743)	2:C:29:GLY:HA2	2:B:43:ALA:HB2	6	0.39
(1,2743)	2:C:29:GLY:HA2	2:B:43:ALA:HB1	6	0.39
(1,2743)	2:C:29:GLY:HA2	2:B:43:ALA:HB3	6	0.39
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD22	6	0.39
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD21	6	0.39
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD23	6	0.39
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD22	6	0.39
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD21	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD23	6	0.39
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD22	6	0.39
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD21	6	0.39
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD23	6	0.39
(1,2630)	2:B:51:VAL:HB	2:B:55:LEU:HG	3	0.39
(1,26)	1:A:144:ILE:HD12	1:A:121:LEU:H	7	0.39
(1,26)	1:A:144:ILE:HD11	1:A:121:LEU:H	7	0.39
(1,26)	1:A:144:ILE:HD13	1:A:121:LEU:H	7	0.39
(1,2595)	2:C:57:LYS:HB3	2:B:68:ILE:HG13	5	0.39
(1,2550)	2:B:20:VAL:HG12	2:B:19:ILE:HB	4	0.39
(1,2550)	2:B:20:VAL:HG11	2:B:19:ILE:HB	4	0.39
(1,2550)	2:B:20:VAL:HG13	2:B:19:ILE:HB	4	0.39
(1,2498)	2:B:25:ILE:HG22	2:B:20:VAL:HG12	10	0.39
(1,2498)	2:B:25:ILE:HG22	2:B:20:VAL:HG11	10	0.39
(1,2498)	2:B:25:ILE:HG22	2:B:20:VAL:HG13	10	0.39
(1,2498)	2:B:25:ILE:HG21	2:B:20:VAL:HG12	10	0.39
(1,2498)	2:B:25:ILE:HG21	2:B:20:VAL:HG11	10	0.39
(1,2498)	2:B:25:ILE:HG21	2:B:20:VAL:HG13	10	0.39
(1,2498)	2:B:25:ILE:HG23	2:B:20:VAL:HG12	10	0.39
(1,2498)	2:B:25:ILE:HG23	2:B:20:VAL:HG11	10	0.39
(1,2498)	2:B:25:ILE:HG23	2:B:20:VAL:HG13	10	0.39
(1,2490)	2:B:54:ILE:HG22	2:B:7:GLU:HG2	6	0.39
(1,2490)	2:B:54:ILE:HG21	2:B:7:GLU:HG2	6	0.39
(1,2490)	2:B:54:ILE:HG23	2:B:7:GLU:HG2	6	0.39
(1,2193)	2:C:25:ILE:HD12	2:C:30:ALA:HA	9	0.39
(1,2193)	2:C:25:ILE:HD11	2:C:30:ALA:HA	9	0.39
(1,2193)	2:C:25:ILE:HD13	2:C:30:ALA:HA	9	0.39
(1,2088)	2:B:8:ILE:HD12	2:C:19:ILE:HG12	7	0.39
(1,2088)	2:B:8:ILE:HD11	2:C:19:ILE:HG12	7	0.39
(1,2088)	2:B:8:ILE:HD13	2:C:19:ILE:HG12	7	0.39
(1,1659)	1:A:118:LYS:HB2	1:A:118:LYS:HE3	9	0.39
(1,1659)	1:A:124:LYS:HE2	1:A:124:LYS:HD3	9	0.39
(1,119)	1:A:97:THR:HG21	1:A:131:PHE:HD1	5	0.39
(1,119)	1:A:97:THR:HG21	1:A:131:PHE:HD2	5	0.39
(1,119)	1:A:97:THR:HG22	1:A:131:PHE:HD1	5	0.39
(1,119)	1:A:97:THR:HG22	1:A:131:PHE:HD2	5	0.39
(1,119)	1:A:97:THR:HG23	1:A:131:PHE:HD1	5	0.39
(1,119)	1:A:97:THR:HG23	1:A:131:PHE:HD2	5	0.39
(1,980)	1:A:101:ILE:HG13	1:A:101:ILE:H	2	0.38
(1,980)	1:A:101:ILE:HG13	1:A:101:ILE:H	5	0.38
(1,897)	1:A:85:LYS:HB2	1:A:86:PHE:H	5	0.38
(1,85)	1:A:73:MET:HE2	1:A:73:MET:HA	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:A:73:MET:HE1	1:A:73:MET:HA	1	0.38
(1,85)	1:A:73:MET:HE3	1:A:73:MET:HA	1	0.38
(1,535)	1:A:150:PRO:HA	1:A:116:GLU:HG3	6	0.38
(1,50)	1:A:88:ILE:HD12	1:A:86:PHE:HE1	10	0.38
(1,50)	1:A:88:ILE:HD12	1:A:86:PHE:HE2	10	0.38
(1,50)	1:A:88:ILE:HD11	1:A:86:PHE:HE1	10	0.38
(1,50)	1:A:88:ILE:HD11	1:A:86:PHE:HE2	10	0.38
(1,50)	1:A:88:ILE:HD13	1:A:86:PHE:HE1	10	0.38
(1,50)	1:A:88:ILE:HD13	1:A:86:PHE:HE2	10	0.38
(1,4085)	2:C:14:ASN:H	2:C:12:ILE:HG22	5	0.38
(1,4085)	2:C:14:ASN:H	2:C:12:ILE:HG21	5	0.38
(1,4085)	2:C:14:ASN:H	2:C:12:ILE:HG23	5	0.38
(1,4085)	2:C:55:LEU:HD22	2:C:14:ASN:H	5	0.38
(1,4085)	2:C:55:LEU:HD21	2:C:14:ASN:H	5	0.38
(1,4085)	2:C:55:LEU:HD23	2:C:14:ASN:H	5	0.38
(1,3877)	2:C:13:VAL:HA	2:C:37:MET:HB2	3	0.38
(1,3877)	2:C:13:VAL:HA	2:C:37:MET:HG2	3	0.38
(1,383)	1:A:90:HIS:HB3	1:A:92:PHE:HE1	10	0.38
(1,383)	1:A:90:HIS:HB3	1:A:92:PHE:HE2	10	0.38
(1,358)	1:A:95:SER:HB2	1:A:131:PHE:HD1	10	0.38
(1,358)	1:A:95:SER:HB2	1:A:131:PHE:HD2	10	0.38
(1,3556)	2:B:25:ILE:HD12	2:C:5:LYS:HD2	9	0.38
(1,3556)	2:B:25:ILE:HD11	2:C:5:LYS:HD2	9	0.38
(1,3556)	2:B:25:ILE:HD13	2:C:5:LYS:HD2	9	0.38
(1,3556)	2:B:25:ILE:HD12	2:C:5:LYS:HG3	9	0.38
(1,3556)	2:B:25:ILE:HD11	2:C:5:LYS:HG3	9	0.38
(1,3556)	2:B:25:ILE:HD13	2:C:5:LYS:HG3	9	0.38
(1,3554)	2:B:25:ILE:HD12	2:B:19:ILE:HB	3	0.38
(1,3554)	2:B:25:ILE:HD11	2:B:19:ILE:HB	3	0.38
(1,3554)	2:B:25:ILE:HD13	2:B:19:ILE:HB	3	0.38
(1,3554)	2:B:25:ILE:HD12	2:C:5:LYS:HB3	3	0.38
(1,3554)	2:B:25:ILE:HD11	2:C:5:LYS:HB3	3	0.38
(1,3554)	2:B:25:ILE:HD13	2:C:5:LYS:HB3	3	0.38
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD1	2	0.38
(1,3313)	2:C:26:SER:H	2:B:44:PHE:HD2	2	0.38
(1,3163)	2:C:6:GLU:HB2	2:C:7:GLU:H	6	0.38
(1,3106)	2:B:51:VAL:HG22	2:B:52:SER:H	6	0.38
(1,3106)	2:B:51:VAL:HG21	2:B:52:SER:H	6	0.38
(1,3106)	2:B:51:VAL:HG23	2:B:52:SER:H	6	0.38
(1,2551)	2:C:20:VAL:HG12	2:C:19:ILE:HB	6	0.38
(1,2551)	2:C:20:VAL:HG11	2:C:19:ILE:HB	6	0.38
(1,2551)	2:C:20:VAL:HG13	2:C:19:ILE:HB	6	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2550)	2:B:20:VAL:HG12	2:B:19:ILE:HB	3	0.38
(1,2550)	2:B:20:VAL:HG11	2:B:19:ILE:HB	3	0.38
(1,2550)	2:B:20:VAL:HG13	2:B:19:ILE:HB	3	0.38
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB2	2	0.38
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB1	2	0.38
(1,2547)	2:C:20:VAL:HG22	2:C:30:ALA:HB3	2	0.38
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB2	2	0.38
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB1	2	0.38
(1,2547)	2:C:20:VAL:HG21	2:C:30:ALA:HB3	2	0.38
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB2	2	0.38
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB1	2	0.38
(1,2547)	2:C:20:VAL:HG23	2:C:30:ALA:HB3	2	0.38
(1,2535)	2:C:36:ALA:HB2	2:B:40:ILE:HG13	3	0.38
(1,2535)	2:C:36:ALA:HB1	2:B:40:ILE:HG13	3	0.38
(1,2535)	2:C:36:ALA:HB3	2:B:40:ILE:HG13	3	0.38
(1,2532)	2:B:36:ALA:HB2	2:B:35:VAL:HB	7	0.38
(1,2532)	2:B:36:ALA:HB1	2:B:35:VAL:HB	7	0.38
(1,2532)	2:B:36:ALA:HB3	2:B:35:VAL:HB	7	0.38
(1,2409)	2:C:19:ILE:HG22	2:B:44:PHE:HZ	5	0.38
(1,2409)	2:C:19:ILE:HG21	2:B:44:PHE:HZ	5	0.38
(1,2409)	2:C:19:ILE:HG23	2:B:44:PHE:HZ	5	0.38
(1,2347)	2:C:44:PHE:HB2	2:C:46:PHE:HD1	7	0.38
(1,2347)	2:C:44:PHE:HB2	2:C:46:PHE:HD2	7	0.38
(1,2088)	2:B:8:ILE:HD12	2:C:19:ILE:HG12	2	0.38
(1,2088)	2:B:8:ILE:HD11	2:C:19:ILE:HG12	2	0.38
(1,2088)	2:B:8:ILE:HD13	2:C:19:ILE:HG12	2	0.38
(1,176)	1:A:132:LEU:HD22	1:A:96:ASP:HB2	8	0.38
(1,176)	1:A:132:LEU:HD21	1:A:96:ASP:HB2	8	0.38
(1,176)	1:A:132:LEU:HD23	1:A:96:ASP:HB2	8	0.38
(1,174)	1:A:132:LEU:HD22	1:A:92:PHE:HA	1	0.38
(1,174)	1:A:132:LEU:HD21	1:A:92:PHE:HA	1	0.38
(1,174)	1:A:132:LEU:HD23	1:A:92:PHE:HA	1	0.38
(1,1661)	1:A:149:LYS:HE3	1:A:149:LYS:HD3	9	0.38
(1,1661)	1:A:149:LYS:HB3	1:A:149:LYS:HE3	9	0.38
(1,1651)	1:A:88:ILE:HG22	1:A:78:LEU:HB3	10	0.38
(1,1651)	1:A:88:ILE:HG21	1:A:78:LEU:HB3	10	0.38
(1,1651)	1:A:88:ILE:HG23	1:A:78:LEU:HB3	10	0.38
(1,1651)	1:A:88:ILE:HG22	1:A:89:GLU:HG3	10	0.38
(1,1651)	1:A:88:ILE:HG21	1:A:89:GLU:HG3	10	0.38
(1,1651)	1:A:88:ILE:HG23	1:A:89:GLU:HG3	10	0.38
(1,1434)	1:A:83:ALA:HB2	1:A:82:GLN:HB2	3	0.38
(1,1434)	1:A:83:ALA:HB1	1:A:82:GLN:HB2	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1434)	1:A:83:ALA:HB3	1:A:82:GLN:HB2	3	0.38
(1,1434)	1:A:83:ALA:HB2	1:A:84:PRO:HG2	3	0.38
(1,1434)	1:A:83:ALA:HB1	1:A:84:PRO:HG2	3	0.38
(1,1434)	1:A:83:ALA:HB3	1:A:84:PRO:HG2	3	0.38
(1,1419)	1:A:107:SER:HB3	1:A:108:GLU:H	6	0.38
(1,1140)	1:A:82:GLN:HG2	1:A:82:GLN:H	1	0.38
(1,1114)	1:A:114:ILE:H	1:A:114:ILE:HG22	3	0.38
(1,1114)	1:A:114:ILE:H	1:A:114:ILE:HG21	3	0.38
(1,1114)	1:A:114:ILE:H	1:A:114:ILE:HG23	3	0.38
(1,101)	1:A:77:THR:HG21	1:A:87:SER:HB3	4	0.38
(1,101)	1:A:77:THR:HG22	1:A:87:SER:HB3	4	0.38
(1,101)	1:A:77:THR:HG23	1:A:87:SER:HB3	4	0.38
(3,90)	2:B:38:ASP:N	2:B:34:ASN:O	4	0.37
(3,34)	1:A:149:LYS:N	1:A:116:GLU:O	9	0.37
(3,139)	2:C:38:ASP:H	2:C:34:ASN:O	3	0.37
(1,85)	1:A:73:MET:HE2	1:A:73:MET:HA	3	0.37
(1,85)	1:A:73:MET:HE1	1:A:73:MET:HA	3	0.37
(1,85)	1:A:73:MET:HE3	1:A:73:MET:HA	3	0.37
(1,751)	1:A:149:LYS:HG2	1:A:149:LYS:HE3	3	0.37
(1,724)	1:A:148:ILE:HD12	1:A:80:LYS:HE3	3	0.37
(1,724)	1:A:148:ILE:HD11	1:A:80:LYS:HE3	3	0.37
(1,724)	1:A:148:ILE:HD13	1:A:80:LYS:HE3	3	0.37
(1,683)	1:A:106:ILE:HG12	1:A:106:ILE:H	9	0.37
(1,460)	1:A:126:LEU:HD12	1:A:120:LEU:HA	8	0.37
(1,460)	1:A:126:LEU:HD11	1:A:120:LEU:HA	8	0.37
(1,460)	1:A:126:LEU:HD13	1:A:120:LEU:HA	8	0.37
(1,440)	1:A:83:ALA:HA	1:A:85:LYS:HE3	4	0.37
(1,4182)	1:A:120:LEU:HD21	2:B:38:ASP:H	6	0.37
(1,4182)	1:A:120:LEU:HD22	2:B:38:ASP:H	6	0.37
(1,4182)	1:A:120:LEU:HD23	2:B:38:ASP:H	6	0.37
(1,4182)	1:A:120:LEU:HD21	2:C:38:ASP:H	6	0.37
(1,4182)	1:A:120:LEU:HD22	2:C:38:ASP:H	6	0.37
(1,4182)	1:A:120:LEU:HD23	2:C:38:ASP:H	6	0.37
(1,4182)	1:A:120:LEU:HD21	2:B:31:ASP:H	6	0.37
(1,4182)	1:A:120:LEU:HD22	2:B:31:ASP:H	6	0.37
(1,4182)	1:A:120:LEU:HD23	2:B:31:ASP:H	6	0.37
(1,4182)	1:A:120:LEU:HD21	2:C:31:ASP:H	6	0.37
(1,4182)	1:A:120:LEU:HD22	2:C:31:ASP:H	6	0.37
(1,4182)	1:A:120:LEU:HD23	2:C:31:ASP:H	6	0.37
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB2	5	0.37
(1,4081)	2:C:13:VAL:H	2:C:39:CYS:HB3	5	0.37
(1,4081)	2:C:13:VAL:H	2:C:41:SER:HA	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3889)	2:C:18:SER:HB3	2:C:22:LYS:HD3	3	0.37
(1,3889)	2:C:18:SER:HB3	2:C:22:LYS:HG2	3	0.37
(1,3106)	2:B:51:VAL:HG22	2:B:52:SER:H	3	0.37
(1,3106)	2:B:51:VAL:HG21	2:B:52:SER:H	3	0.37
(1,3106)	2:B:51:VAL:HG23	2:B:52:SER:H	3	0.37
(1,3015)	2:C:5:LYS:HG2	2:C:5:LYS:H	9	0.37
(1,3)	1:A:120:LEU:HD12	1:A:119:LEU:H	5	0.37
(1,3)	1:A:120:LEU:HD11	1:A:119:LEU:H	5	0.37
(1,3)	1:A:120:LEU:HD13	1:A:119:LEU:H	5	0.37
(1,2885)	2:C:6:GLU:HG2	2:C:54:ILE:HG22	10	0.37
(1,2885)	2:C:6:GLU:HG2	2:C:54:ILE:HG21	10	0.37
(1,2885)	2:C:6:GLU:HG2	2:C:54:ILE:HG23	10	0.37
(1,2884)	2:B:6:GLU:HG2	2:B:54:ILE:HG22	3	0.37
(1,2884)	2:B:6:GLU:HG2	2:B:54:ILE:HG21	3	0.37
(1,2884)	2:B:6:GLU:HG2	2:B:54:ILE:HG23	3	0.37
(1,2694)	2:B:54:ILE:HG22	2:B:46:PHE:HB2	7	0.37
(1,2694)	2:B:54:ILE:HG21	2:B:46:PHE:HB2	7	0.37
(1,2694)	2:B:54:ILE:HG23	2:B:46:PHE:HB2	7	0.37
(1,2630)	2:B:51:VAL:HB	2:B:55:LEU:HG	9	0.37
(1,2564)	2:B:33:LEU:HD12	2:B:19:ILE:HG22	2	0.37
(1,2564)	2:B:33:LEU:HD12	2:B:19:ILE:HG21	2	0.37
(1,2564)	2:B:33:LEU:HD12	2:B:19:ILE:HG23	2	0.37
(1,2564)	2:B:33:LEU:HD11	2:B:19:ILE:HG22	2	0.37
(1,2564)	2:B:33:LEU:HD11	2:B:19:ILE:HG21	2	0.37
(1,2564)	2:B:33:LEU:HD11	2:B:19:ILE:HG23	2	0.37
(1,2564)	2:B:33:LEU:HD13	2:B:19:ILE:HG22	2	0.37
(1,2564)	2:B:33:LEU:HD13	2:B:19:ILE:HG21	2	0.37
(1,2564)	2:B:33:LEU:HD13	2:B:19:ILE:HG23	2	0.37
(1,2550)	2:B:20:VAL:HG12	2:B:19:ILE:HB	5	0.37
(1,2550)	2:B:20:VAL:HG11	2:B:19:ILE:HB	5	0.37
(1,2550)	2:B:20:VAL:HG13	2:B:19:ILE:HB	5	0.37
(1,2226)	2:B:5:LYS:HA	2:B:8:ILE:HG13	9	0.37
(1,2208)	2:B:23:LYS:HD2	2:B:23:LYS:HA	3	0.37
(1,2208)	2:B:23:LYS:HD3	2:B:23:LYS:HA	3	0.37
(1,2179)	2:C:9:ALA:HA	2:C:12:ILE:HD12	3	0.37
(1,2179)	2:C:9:ALA:HA	2:C:12:ILE:HD11	3	0.37
(1,2179)	2:C:9:ALA:HA	2:C:12:ILE:HD13	3	0.37
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB2	9	0.37
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB1	9	0.37
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB3	9	0.37
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB2	9	0.37
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB1	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB3	9	0.37
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB2	9	0.37
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB1	9	0.37
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB3	9	0.37
(1,183)	1:A:99:LEU:HD12	1:A:100:GLN:HE22	9	0.37
(1,183)	1:A:99:LEU:HD11	1:A:100:GLN:HE22	9	0.37
(1,183)	1:A:99:LEU:HD13	1:A:100:GLN:HE22	9	0.37
(1,1803)	1:A:82:GLN:HE21	1:A:81:ILE:HG22	10	0.37
(1,1803)	1:A:82:GLN:HE21	1:A:81:ILE:HG21	10	0.37
(1,1803)	1:A:82:GLN:HE21	1:A:81:ILE:HG23	10	0.37
(1,1803)	1:A:82:GLN:HE21	1:A:81:ILE:HD12	10	0.37
(1,1803)	1:A:82:GLN:HE21	1:A:81:ILE:HD11	10	0.37
(1,1803)	1:A:82:GLN:HE21	1:A:81:ILE:HD13	10	0.37
(1,1799)	1:A:142:SER:H	1:A:121:LEU:HD22	2	0.37
(1,1799)	1:A:142:SER:H	1:A:121:LEU:HD21	2	0.37
(1,1799)	1:A:142:SER:H	1:A:121:LEU:HD23	2	0.37
(1,1799)	1:A:142:SER:H	1:A:121:LEU:HD12	2	0.37
(1,1799)	1:A:142:SER:H	1:A:121:LEU:HD11	2	0.37
(1,1799)	1:A:142:SER:H	1:A:121:LEU:HD13	2	0.37
(1,1799)	1:A:142:SER:H	1:A:137:VAL:HG22	2	0.37
(1,1799)	1:A:142:SER:H	1:A:137:VAL:HG21	2	0.37
(1,1799)	1:A:142:SER:H	1:A:137:VAL:HG23	2	0.37
(1,1793)	1:A:141:ASN:HB2	1:A:138:THR:H	2	0.37
(1,1793)	1:A:141:ASN:HB2	1:A:140:ALA:H	2	0.37
(1,174)	1:A:132:LEU:HD22	1:A:92:PHE:HA	10	0.37
(1,174)	1:A:132:LEU:HD21	1:A:92:PHE:HA	10	0.37
(1,174)	1:A:132:LEU:HD23	1:A:92:PHE:HA	10	0.37
(1,1651)	1:A:88:ILE:HG22	1:A:78:LEU:HB3	5	0.37
(1,1651)	1:A:88:ILE:HG21	1:A:78:LEU:HB3	5	0.37
(1,1651)	1:A:88:ILE:HG23	1:A:78:LEU:HB3	5	0.37
(1,1651)	1:A:88:ILE:HG22	1:A:89:GLU:HG3	5	0.37
(1,1651)	1:A:88:ILE:HG21	1:A:89:GLU:HG3	5	0.37
(1,1651)	1:A:88:ILE:HG23	1:A:89:GLU:HG3	5	0.37
(1,1614)	1:A:90:HIS:HB2	1:A:76:LEU:HD12	1	0.37
(1,1614)	1:A:90:HIS:HB2	1:A:76:LEU:HD11	1	0.37
(1,1614)	1:A:90:HIS:HB2	1:A:76:LEU:HD13	1	0.37
(1,1614)	1:A:147:MET:HG2	1:A:146:VAL:HG22	1	0.37
(1,1614)	1:A:147:MET:HG2	1:A:146:VAL:HG21	1	0.37
(1,1614)	1:A:147:MET:HG2	1:A:146:VAL:HG23	1	0.37
(1,1614)	1:A:150:PRO:HB2	1:A:148:ILE:HG22	1	0.37
(1,1614)	1:A:150:PRO:HB2	1:A:148:ILE:HG21	1	0.37
(1,1614)	1:A:150:PRO:HB2	1:A:148:ILE:HG23	1	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1614)	1:A:150:PRO:HB2	1:A:152:LEU:HD12	1	0.37
(1,1614)	1:A:150:PRO:HB2	1:A:152:LEU:HD11	1	0.37
(1,1614)	1:A:150:PRO:HB2	1:A:152:LEU:HD13	1	0.37
(1,1411)	1:A:116:GLU:HG3	1:A:151:ASN:H	2	0.37
(1,1011)	1:A:98:ILE:H	1:A:98:ILE:HG12	3	0.37
(3,140)	2:C:38:ASP:N	2:C:34:ASN:O	6	0.36
(3,139)	2:C:38:ASP:H	2:C:34:ASN:O	9	0.36
(1,955)	1:A:131:PHE:HB3	1:A:131:PHE:H	1	0.36
(1,955)	1:A:131:PHE:HB3	1:A:131:PHE:H	10	0.36
(1,769)	1:A:132:LEU:HA	1:A:135:LEU:HD12	10	0.36
(1,769)	1:A:132:LEU:HA	1:A:135:LEU:HD11	10	0.36
(1,769)	1:A:132:LEU:HA	1:A:135:LEU:HD13	10	0.36
(1,494)	1:A:98:ILE:HA	1:A:101:ILE:HG12	5	0.36
(1,3875)	2:C:15:TYR:HA	2:C:12:ILE:HD12	1	0.36
(1,3875)	2:C:15:TYR:HA	2:C:12:ILE:HD11	1	0.36
(1,3875)	2:C:15:TYR:HA	2:C:12:ILE:HD13	1	0.36
(1,3875)	2:C:15:TYR:HA	2:B:12:ILE:HD12	1	0.36
(1,3875)	2:C:15:TYR:HA	2:B:12:ILE:HD11	1	0.36
(1,3875)	2:C:15:TYR:HA	2:B:12:ILE:HD13	1	0.36
(1,3874)	2:B:15:TYR:HA	2:B:12:ILE:HD12	6	0.36
(1,3874)	2:B:15:TYR:HA	2:B:12:ILE:HD11	6	0.36
(1,3874)	2:B:15:TYR:HA	2:B:12:ILE:HD13	6	0.36
(1,3874)	2:B:15:TYR:HA	2:C:12:ILE:HD12	6	0.36
(1,3874)	2:B:15:TYR:HA	2:C:12:ILE:HD11	6	0.36
(1,3874)	2:B:15:TYR:HA	2:C:12:ILE:HD13	6	0.36
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD12	8	0.36
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD11	8	0.36
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD13	8	0.36
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD12	8	0.36
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD11	8	0.36
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD13	8	0.36
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD12	8	0.36
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD11	8	0.36
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD13	8	0.36
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG22	8	0.36
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG21	8	0.36
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG23	8	0.36
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG22	8	0.36
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG21	8	0.36
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG23	8	0.36
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG22	8	0.36
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG21	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG23	8	0.36
(1,3573)	2:C:33:LEU:HD22	2:C:19:ILE:HB	9	0.36
(1,3573)	2:C:33:LEU:HD21	2:C:19:ILE:HB	9	0.36
(1,3573)	2:C:33:LEU:HD23	2:C:19:ILE:HB	9	0.36
(1,3573)	2:C:33:LEU:HD22	2:B:5:LYS:HB3	9	0.36
(1,3573)	2:C:33:LEU:HD21	2:B:5:LYS:HB3	9	0.36
(1,3573)	2:C:33:LEU:HD23	2:B:5:LYS:HB3	9	0.36
(1,3322)	2:B:25:ILE:HG12	2:B:26:SER:H	8	0.36
(1,3049)	2:C:50:ALA:H	2:C:13:VAL:HG12	6	0.36
(1,3049)	2:C:50:ALA:H	2:C:13:VAL:HG11	6	0.36
(1,3049)	2:C:50:ALA:H	2:C:13:VAL:HG13	6	0.36
(1,2952)	2:B:60:PHE:HD1	2:B:11:LEU:HD22	4	0.36
(1,2952)	2:B:60:PHE:HD1	2:B:11:LEU:HD21	4	0.36
(1,2952)	2:B:60:PHE:HD1	2:B:11:LEU:HD23	4	0.36
(1,2952)	2:B:60:PHE:HD2	2:B:11:LEU:HD22	4	0.36
(1,2952)	2:B:60:PHE:HD2	2:B:11:LEU:HD21	4	0.36
(1,2952)	2:B:60:PHE:HD2	2:B:11:LEU:HD23	4	0.36
(1,2951)	2:C:60:PHE:HD1	2:C:54:ILE:HB	4	0.36
(1,2951)	2:C:60:PHE:HD2	2:C:54:ILE:HB	4	0.36
(1,2781)	2:C:41:SER:HA	2:C:46:PHE:HE1	1	0.36
(1,2781)	2:C:41:SER:HA	2:C:46:PHE:HE2	1	0.36
(1,2781)	2:C:41:SER:HA	2:C:46:PHE:HE1	2	0.36
(1,2781)	2:C:41:SER:HA	2:C:46:PHE:HE2	2	0.36
(1,265)	1:A:114:ILE:HG12	1:A:103:GLN:HE22	8	0.36
(1,2564)	2:B:33:LEU:HD12	2:B:19:ILE:HG22	3	0.36
(1,2564)	2:B:33:LEU:HD12	2:B:19:ILE:HG21	3	0.36
(1,2564)	2:B:33:LEU:HD12	2:B:19:ILE:HG23	3	0.36
(1,2564)	2:B:33:LEU:HD11	2:B:19:ILE:HG22	3	0.36
(1,2564)	2:B:33:LEU:HD11	2:B:19:ILE:HG21	3	0.36
(1,2564)	2:B:33:LEU:HD11	2:B:19:ILE:HG23	3	0.36
(1,2564)	2:B:33:LEU:HD13	2:B:19:ILE:HG22	3	0.36
(1,2564)	2:B:33:LEU:HD13	2:B:19:ILE:HG21	3	0.36
(1,2564)	2:B:33:LEU:HD13	2:B:19:ILE:HG23	3	0.36
(1,2550)	2:B:20:VAL:HG12	2:B:19:ILE:HB	10	0.36
(1,2550)	2:B:20:VAL:HG11	2:B:19:ILE:HB	10	0.36
(1,2550)	2:B:20:VAL:HG13	2:B:19:ILE:HB	10	0.36
(1,2535)	2:C:36:ALA:HB2	2:B:40:ILE:HG13	10	0.36
(1,2535)	2:C:36:ALA:HB1	2:B:40:ILE:HG13	10	0.36
(1,2535)	2:C:36:ALA:HB3	2:B:40:ILE:HG13	10	0.36
(1,2533)	2:C:36:ALA:HB2	2:C:35:VAL:HB	8	0.36
(1,2533)	2:C:36:ALA:HB1	2:C:35:VAL:HB	8	0.36
(1,2533)	2:C:36:ALA:HB3	2:C:35:VAL:HB	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2532)	2:B:36:ALA:HB2	2:B:35:VAL:HB	9	0.36
(1,2532)	2:B:36:ALA:HB1	2:B:35:VAL:HB	9	0.36
(1,2532)	2:B:36:ALA:HB3	2:B:35:VAL:HB	9	0.36
(1,2520)	2:B:51:VAL:HA	2:B:54:ILE:HD12	2	0.36
(1,2520)	2:B:51:VAL:HA	2:B:54:ILE:HD11	2	0.36
(1,2520)	2:B:51:VAL:HA	2:B:54:ILE:HD13	2	0.36
(1,2226)	2:B:5:LYS:HA	2:B:8:ILE:HG13	8	0.36
(1,2179)	2:C:9:ALA:HA	2:C:12:ILE:HD12	2	0.36
(1,2179)	2:C:9:ALA:HA	2:C:12:ILE:HD11	2	0.36
(1,2179)	2:C:9:ALA:HA	2:C:12:ILE:HD13	2	0.36
(1,1659)	1:A:118:LYS:HB2	1:A:118:LYS:HE3	1	0.36
(1,1659)	1:A:124:LYS:HE2	1:A:124:LYS:HD3	1	0.36
(1,1659)	1:A:118:LYS:HB2	1:A:118:LYS:HE3	4	0.36
(1,1659)	1:A:124:LYS:HE2	1:A:124:LYS:HD3	4	0.36
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD12	1	0.36
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD11	1	0.36
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD13	1	0.36
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD12	1	0.36
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD11	1	0.36
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD13	1	0.36
(1,1434)	1:A:83:ALA:HB2	1:A:82:GLN:HB2	5	0.36
(1,1434)	1:A:83:ALA:HB1	1:A:82:GLN:HB2	5	0.36
(1,1434)	1:A:83:ALA:HB3	1:A:82:GLN:HB2	5	0.36
(1,1434)	1:A:83:ALA:HB2	1:A:84:PRO:HG2	5	0.36
(1,1434)	1:A:83:ALA:HB1	1:A:84:PRO:HG2	5	0.36
(1,1434)	1:A:83:ALA:HB3	1:A:84:PRO:HG2	5	0.36
(1,1419)	1:A:107:SER:HB3	1:A:108:GLU:H	4	0.36
(1,1338)	1:A:99:LEU:HD12	1:A:103:GLN:HE21	10	0.36
(1,1338)	1:A:99:LEU:HD11	1:A:103:GLN:HE21	10	0.36
(1,1338)	1:A:99:LEU:HD13	1:A:103:GLN:HE21	10	0.36
(1,1287)	1:A:127:HIS:H	1:A:130:LEU:HD22	9	0.36
(1,1287)	1:A:127:HIS:H	1:A:130:LEU:HD21	9	0.36
(1,1287)	1:A:127:HIS:H	1:A:130:LEU:HD23	9	0.36
(1,1132)	1:A:126:LEU:H	1:A:126:LEU:HB3	10	0.36
(3,33)	1:A:149:LYS:H	1:A:116:GLU:O	8	0.35
(3,139)	2:C:38:ASP:H	2:C:34:ASN:O	2	0.35
(1,898)	1:A:85:LYS:HB3	1:A:86:PHE:H	4	0.35
(1,672)	1:A:121:LEU:HD22	1:A:144:ILE:HA	1	0.35
(1,672)	1:A:121:LEU:HD21	1:A:144:ILE:HA	1	0.35
(1,672)	1:A:121:LEU:HD23	1:A:144:ILE:HA	1	0.35
(1,47)	1:A:88:ILE:HD12	1:A:105:LEU:HA	8	0.35
(1,47)	1:A:88:ILE:HD11	1:A:105:LEU:HA	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,47)	1:A:88:ILE:HD13	1:A:105:LEU:HA	8	0.35
(1,4189)	1:A:124:LYS:H	2:B:31:ASP:H	2	0.35
(1,4189)	1:A:124:LYS:H	2:C:31:ASP:H	2	0.35
(1,4189)	1:A:124:LYS:H	2:B:38:ASP:H	2	0.35
(1,4189)	1:A:124:LYS:H	2:C:38:ASP:H	2	0.35
(1,418)	1:A:136:LYS:HG2	1:A:136:LYS:H	5	0.35
(1,3877)	2:C:13:VAL:HA	2:C:37:MET:HB2	2	0.35
(1,3877)	2:C:13:VAL:HA	2:C:37:MET:HG2	2	0.35
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD12	10	0.35
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD11	10	0.35
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD13	10	0.35
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD12	10	0.35
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD11	10	0.35
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD13	10	0.35
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD12	10	0.35
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD11	10	0.35
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD13	10	0.35
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG22	10	0.35
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG21	10	0.35
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG23	10	0.35
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG22	10	0.35
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG21	10	0.35
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG23	10	0.35
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG22	10	0.35
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG21	10	0.35
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG23	10	0.35
(1,3573)	2:C:33:LEU:HD22	2:C:19:ILE:HB	2	0.35
(1,3573)	2:C:33:LEU:HD21	2:C:19:ILE:HB	2	0.35
(1,3573)	2:C:33:LEU:HD23	2:C:19:ILE:HB	2	0.35
(1,3573)	2:C:33:LEU:HD22	2:B:5:LYS:HB3	2	0.35
(1,3573)	2:C:33:LEU:HD21	2:B:5:LYS:HB3	2	0.35
(1,3573)	2:C:33:LEU:HD23	2:B:5:LYS:HB3	2	0.35
(1,3197)	2:C:14:ASN:H	2:C:48:ARG:HA	3	0.35
(1,2962)	2:B:48:ARG:HG3	2:B:48:ARG:H	1	0.35
(1,28)	1:A:144:ILE:HD12	1:A:121:LEU:HA	7	0.35
(1,28)	1:A:144:ILE:HD11	1:A:121:LEU:HA	7	0.35
(1,28)	1:A:144:ILE:HD13	1:A:121:LEU:HA	7	0.35
(1,2695)	2:C:54:ILE:HG22	2:C:46:PHE:HB2	3	0.35
(1,2695)	2:C:54:ILE:HG21	2:C:46:PHE:HB2	3	0.35
(1,2695)	2:C:54:ILE:HG23	2:C:46:PHE:HB2	3	0.35
(1,2564)	2:B:33:LEU:HD12	2:B:19:ILE:HG22	8	0.35
(1,2564)	2:B:33:LEU:HD12	2:B:19:ILE:HG21	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2564)	2:B:33:LEU:HD12	2:B:19:ILE:HG23	8	0.35
(1,2564)	2:B:33:LEU:HD11	2:B:19:ILE:HG22	8	0.35
(1,2564)	2:B:33:LEU:HD11	2:B:19:ILE:HG21	8	0.35
(1,2564)	2:B:33:LEU:HD11	2:B:19:ILE:HG23	8	0.35
(1,2564)	2:B:33:LEU:HD13	2:B:19:ILE:HG22	8	0.35
(1,2564)	2:B:33:LEU:HD13	2:B:19:ILE:HG21	8	0.35
(1,2564)	2:B:33:LEU:HD13	2:B:19:ILE:HG23	8	0.35
(1,2544)	2:B:51:VAL:HG12	2:B:55:LEU:HG	2	0.35
(1,2544)	2:B:51:VAL:HG11	2:B:55:LEU:HG	2	0.35
(1,2544)	2:B:51:VAL:HG13	2:B:55:LEU:HG	2	0.35
(1,2498)	2:B:25:ILE:HG22	2:B:20:VAL:HG12	9	0.35
(1,2498)	2:B:25:ILE:HG22	2:B:20:VAL:HG11	9	0.35
(1,2498)	2:B:25:ILE:HG22	2:B:20:VAL:HG13	9	0.35
(1,2498)	2:B:25:ILE:HG21	2:B:20:VAL:HG12	9	0.35
(1,2498)	2:B:25:ILE:HG21	2:B:20:VAL:HG11	9	0.35
(1,2498)	2:B:25:ILE:HG21	2:B:20:VAL:HG13	9	0.35
(1,2498)	2:B:25:ILE:HG23	2:B:20:VAL:HG12	9	0.35
(1,2498)	2:B:25:ILE:HG23	2:B:20:VAL:HG11	9	0.35
(1,2498)	2:B:25:ILE:HG23	2:B:20:VAL:HG13	9	0.35
(1,2396)	2:B:40:ILE:HG22	2:B:44:PHE:HD1	8	0.35
(1,2396)	2:B:40:ILE:HG22	2:B:44:PHE:HD2	8	0.35
(1,2396)	2:B:40:ILE:HG21	2:B:44:PHE:HD1	8	0.35
(1,2396)	2:B:40:ILE:HG21	2:B:44:PHE:HD2	8	0.35
(1,2396)	2:B:40:ILE:HG23	2:B:44:PHE:HD1	8	0.35
(1,2396)	2:B:40:ILE:HG23	2:B:44:PHE:HD2	8	0.35
(1,2389)	2:C:20:VAL:HG22	2:C:34:ASN:HD22	1	0.35
(1,2389)	2:C:20:VAL:HG21	2:C:34:ASN:HD22	1	0.35
(1,2389)	2:C:20:VAL:HG23	2:C:34:ASN:HD22	1	0.35
(1,2356)	2:B:49:GLU:HG2	2:B:49:GLU:H	10	0.35
(1,2039)	2:C:5:LYS:HB3	2:C:44:PHE:HZ	2	0.35
(1,174)	1:A:132:LEU:HD22	1:A:92:PHE:HA	9	0.35
(1,174)	1:A:132:LEU:HD21	1:A:92:PHE:HA	9	0.35
(1,174)	1:A:132:LEU:HD23	1:A:92:PHE:HA	9	0.35
(1,1663)	1:A:85:LYS:HG2	1:A:85:LYS:HE3	7	0.35
(1,1663)	1:A:85:LYS:HG3	1:A:85:LYS:HE3	7	0.35
(1,1651)	1:A:88:ILE:HG22	1:A:78:LEU:HB3	8	0.35
(1,1651)	1:A:88:ILE:HG21	1:A:78:LEU:HB3	8	0.35
(1,1651)	1:A:88:ILE:HG23	1:A:78:LEU:HB3	8	0.35
(1,1651)	1:A:88:ILE:HG22	1:A:89:GLU:HG3	8	0.35
(1,1651)	1:A:88:ILE:HG21	1:A:89:GLU:HG3	8	0.35
(1,1651)	1:A:88:ILE:HG23	1:A:89:GLU:HG3	8	0.35
(1,1457)	1:A:120:LEU:HD22	1:A:118:LYS:HE3	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1457)	1:A:120:LEU:HD21	1:A:118:LYS:HE3	6	0.35
(1,1457)	1:A:120:LEU:HD23	1:A:118:LYS:HE3	6	0.35
(1,1457)	1:A:126:LEU:HD22	1:A:124:LYS:HE2	6	0.35
(1,1457)	1:A:126:LEU:HD21	1:A:124:LYS:HE2	6	0.35
(1,1457)	1:A:126:LEU:HD23	1:A:124:LYS:HE2	6	0.35
(1,1434)	1:A:83:ALA:HB2	1:A:82:GLN:HB2	9	0.35
(1,1434)	1:A:83:ALA:HB1	1:A:82:GLN:HB2	9	0.35
(1,1434)	1:A:83:ALA:HB3	1:A:82:GLN:HB2	9	0.35
(1,1434)	1:A:83:ALA:HB2	1:A:84:PRO:HG2	9	0.35
(1,1434)	1:A:83:ALA:HB1	1:A:84:PRO:HG2	9	0.35
(1,1434)	1:A:83:ALA:HB3	1:A:84:PRO:HG2	9	0.35
(1,1198)	1:A:113:HIS:H	1:A:116:GLU:HB3	1	0.35
(1,1140)	1:A:82:GLN:HG2	1:A:82:GLN:H	2	0.35
(1,1033)	1:A:106:ILE:HG13	1:A:106:ILE:H	8	0.35
(3,140)	2:C:38:ASP:N	2:C:34:ASN:O	1	0.34
(1,955)	1:A:131:PHE:HB3	1:A:131:PHE:H	6	0.34
(1,945)	1:A:100:GLN:H	1:A:100:GLN:HG2	2	0.34
(1,889)	1:A:130:LEU:HB3	1:A:130:LEU:H	6	0.34
(1,85)	1:A:73:MET:HE2	1:A:73:MET:HA	7	0.34
(1,85)	1:A:73:MET:HE1	1:A:73:MET:HA	7	0.34
(1,85)	1:A:73:MET:HE3	1:A:73:MET:HA	7	0.34
(1,533)	1:A:114:ILE:HA	1:A:114:ILE:HG12	3	0.34
(1,47)	1:A:88:ILE:HD12	1:A:105:LEU:HA	6	0.34
(1,47)	1:A:88:ILE:HD11	1:A:105:LEU:HA	6	0.34
(1,47)	1:A:88:ILE:HD13	1:A:105:LEU:HA	6	0.34
(1,461)	1:A:96:ASP:HA	1:A:97:THR:HG21	5	0.34
(1,461)	1:A:96:ASP:HA	1:A:97:THR:HG22	5	0.34
(1,461)	1:A:96:ASP:HA	1:A:97:THR:HG23	5	0.34
(1,4189)	1:A:124:LYS:H	2:B:31:ASP:H	6	0.34
(1,4189)	1:A:124:LYS:H	2:C:31:ASP:H	6	0.34
(1,4189)	1:A:124:LYS:H	2:B:38:ASP:H	6	0.34
(1,4189)	1:A:124:LYS:H	2:C:38:ASP:H	6	0.34
(1,4050)	2:B:54:ILE:HB	2:B:8:ILE:H	3	0.34
(1,4050)	2:B:54:ILE:HB	2:B:50:ALA:H	3	0.34
(1,4050)	2:B:54:ILE:HB	2:B:8:ILE:H	5	0.34
(1,4050)	2:B:54:ILE:HB	2:B:50:ALA:H	5	0.34
(1,3935)	2:C:55:LEU:HD12	2:C:6:GLU:HB2	8	0.34
(1,3935)	2:C:55:LEU:HD11	2:C:6:GLU:HB2	8	0.34
(1,3935)	2:C:55:LEU:HD13	2:C:6:GLU:HB2	8	0.34
(1,3935)	2:C:55:LEU:HD12	2:C:7:GLU:HG2	8	0.34
(1,3935)	2:C:55:LEU:HD11	2:C:7:GLU:HG2	8	0.34
(1,3935)	2:C:55:LEU:HD13	2:C:7:GLU:HG2	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3933)	2:C:18:SER:HB3	2:C:15:TYR:HB3	5	0.34
(1,3933)	2:C:18:SER:HB3	2:C:22:LYS:HE3	5	0.34
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD12	1	0.34
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD11	1	0.34
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD13	1	0.34
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD12	1	0.34
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD11	1	0.34
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD13	1	0.34
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD12	1	0.34
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD11	1	0.34
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD13	1	0.34
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG22	1	0.34
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG21	1	0.34
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG23	1	0.34
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG22	1	0.34
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG21	1	0.34
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG23	1	0.34
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG22	1	0.34
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG21	1	0.34
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG23	1	0.34
(1,3542)	2:B:51:VAL:HG22	2:B:13:VAL:HB	5	0.34
(1,3542)	2:B:51:VAL:HG21	2:B:13:VAL:HB	5	0.34
(1,3542)	2:B:51:VAL:HG23	2:B:13:VAL:HB	5	0.34
(1,3542)	2:B:51:VAL:HG22	2:B:49:GLU:HG3	5	0.34
(1,3542)	2:B:51:VAL:HG21	2:B:49:GLU:HG3	5	0.34
(1,3542)	2:B:51:VAL:HG23	2:B:49:GLU:HG3	5	0.34
(1,3420)	2:B:51:VAL:H	2:B:54:ILE:HG12	2	0.34
(1,3258)	2:B:22:LYS:HG3	2:B:22:LYS:H	4	0.34
(1,2781)	2:C:41:SER:HA	2:C:46:PHE:HE1	8	0.34
(1,2781)	2:C:41:SER:HA	2:C:46:PHE:HE2	8	0.34
(1,2780)	2:B:41:SER:HA	2:B:46:PHE:HE1	5	0.34
(1,2780)	2:B:41:SER:HA	2:B:46:PHE:HE2	5	0.34
(1,2695)	2:C:54:ILE:HG22	2:C:46:PHE:HB2	6	0.34
(1,2695)	2:C:54:ILE:HG21	2:C:46:PHE:HB2	6	0.34
(1,2695)	2:C:54:ILE:HG23	2:C:46:PHE:HB2	6	0.34
(1,2551)	2:C:20:VAL:HG12	2:C:19:ILE:HB	3	0.34
(1,2551)	2:C:20:VAL:HG11	2:C:19:ILE:HB	3	0.34
(1,2551)	2:C:20:VAL:HG13	2:C:19:ILE:HB	3	0.34
(1,2550)	2:B:20:VAL:HG12	2:B:19:ILE:HB	8	0.34
(1,2550)	2:B:20:VAL:HG11	2:B:19:ILE:HB	8	0.34
(1,2550)	2:B:20:VAL:HG13	2:B:19:ILE:HB	8	0.34
(1,2533)	2:C:36:ALA:HB2	2:C:35:VAL:HB	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2533)	2:C:36:ALA:HB1	2:C:35:VAL:HB	4	0.34
(1,2533)	2:C:36:ALA:HB3	2:C:35:VAL:HB	4	0.34
(1,2532)	2:B:36:ALA:HB2	2:B:35:VAL:HB	8	0.34
(1,2532)	2:B:36:ALA:HB1	2:B:35:VAL:HB	8	0.34
(1,2532)	2:B:36:ALA:HB3	2:B:35:VAL:HB	8	0.34
(1,2521)	2:C:51:VAL:HA	2:C:54:ILE:HD12	3	0.34
(1,2521)	2:C:51:VAL:HA	2:C:54:ILE:HD11	3	0.34
(1,2521)	2:C:51:VAL:HA	2:C:54:ILE:HD13	3	0.34
(1,2498)	2:B:25:ILE:HG22	2:B:20:VAL:HG12	4	0.34
(1,2498)	2:B:25:ILE:HG22	2:B:20:VAL:HG11	4	0.34
(1,2498)	2:B:25:ILE:HG22	2:B:20:VAL:HG13	4	0.34
(1,2498)	2:B:25:ILE:HG21	2:B:20:VAL:HG12	4	0.34
(1,2498)	2:B:25:ILE:HG21	2:B:20:VAL:HG11	4	0.34
(1,2498)	2:B:25:ILE:HG21	2:B:20:VAL:HG13	4	0.34
(1,2498)	2:B:25:ILE:HG23	2:B:20:VAL:HG12	4	0.34
(1,2498)	2:B:25:ILE:HG23	2:B:20:VAL:HG11	4	0.34
(1,2498)	2:B:25:ILE:HG23	2:B:20:VAL:HG13	4	0.34
(1,2483)	2:C:25:ILE:HB	2:C:19:ILE:HG22	6	0.34
(1,2483)	2:C:25:ILE:HB	2:C:19:ILE:HG21	6	0.34
(1,2483)	2:C:25:ILE:HB	2:C:19:ILE:HG23	6	0.34
(1,235)	1:A:118:LYS:HB3	1:A:118:LYS:HE3	9	0.34
(1,2347)	2:C:44:PHE:HB2	2:C:46:PHE:HD1	9	0.34
(1,2347)	2:C:44:PHE:HB2	2:C:46:PHE:HD2	9	0.34
(1,2209)	2:C:23:LYS:HD2	2:C:23:LYS:HA	2	0.34
(1,2209)	2:C:23:LYS:HD3	2:C:23:LYS:HA	2	0.34
(1,2146)	2:B:23:LYS:HE3	2:B:23:LYS:HG3	3	0.34
(1,2089)	2:C:8:ILE:HD12	2:B:19:ILE:HG12	7	0.34
(1,2089)	2:C:8:ILE:HD11	2:B:19:ILE:HG12	7	0.34
(1,2089)	2:C:8:ILE:HD13	2:B:19:ILE:HG12	7	0.34
(1,2064)	2:B:55:LEU:HD22	2:B:51:VAL:HB	4	0.34
(1,2064)	2:B:55:LEU:HD21	2:B:51:VAL:HB	4	0.34
(1,2064)	2:B:55:LEU:HD23	2:B:51:VAL:HB	4	0.34
(1,2044)	2:B:5:LYS:HD2	2:B:44:PHE:HZ	6	0.34
(1,2038)	2:B:5:LYS:HB3	2:B:44:PHE:HZ	2	0.34
(1,1661)	1:A:149:LYS:HE3	1:A:149:LYS:HD3	2	0.34
(1,1661)	1:A:149:LYS:HB3	1:A:149:LYS:HE3	2	0.34
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD12	10	0.34
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD11	10	0.34
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD13	10	0.34
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD12	10	0.34
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD11	10	0.34
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD13	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1632)	1:A:147:MET:HG3	1:A:118:LYS:HB3	6	0.34
(1,1632)	1:A:147:MET:HG3	1:A:120:LEU:HB2	6	0.34
(1,1632)	1:A:147:MET:HG3	1:A:120:LEU:HG	6	0.34
(1,1528)	1:A:121:LEU:HA	1:A:144:ILE:HB	5	0.34
(1,1528)	1:A:121:LEU:HA	1:A:122:LYS:HB3	5	0.34
(1,1476)	1:A:85:LYS:HB2	1:A:85:LYS:HE3	1	0.34
(1,1476)	1:A:149:LYS:HB2	1:A:149:LYS:HE3	1	0.34
(1,1446)	1:A:97:THR:HG21	1:A:96:ASP:HB3	7	0.34
(1,1446)	1:A:97:THR:HG22	1:A:96:ASP:HB3	7	0.34
(1,1446)	1:A:97:THR:HG23	1:A:96:ASP:HB3	7	0.34
(1,1446)	1:A:97:THR:HG21	1:A:100:GLN:HG3	7	0.34
(1,1446)	1:A:97:THR:HG22	1:A:100:GLN:HG3	7	0.34
(1,1446)	1:A:97:THR:HG23	1:A:100:GLN:HG3	7	0.34
(1,1423)	1:A:119:LEU:HD22	1:A:117:ILE:HB	10	0.34
(1,1423)	1:A:119:LEU:HD21	1:A:117:ILE:HB	10	0.34
(1,1423)	1:A:119:LEU:HD23	1:A:117:ILE:HB	10	0.34
(1,1423)	1:A:119:LEU:HD22	1:A:118:LYS:HB2	10	0.34
(1,1423)	1:A:119:LEU:HD21	1:A:118:LYS:HB2	10	0.34
(1,1423)	1:A:119:LEU:HD23	1:A:118:LYS:HB2	10	0.34
(1,1423)	1:A:119:LEU:HD22	1:A:126:LEU:HB3	10	0.34
(1,1423)	1:A:119:LEU:HD21	1:A:126:LEU:HB3	10	0.34
(1,1423)	1:A:119:LEU:HD23	1:A:126:LEU:HB3	10	0.34
(1,1132)	1:A:126:LEU:H	1:A:126:LEU:HB3	3	0.34
(1,1132)	1:A:126:LEU:H	1:A:126:LEU:HB3	9	0.34
(1,889)	1:A:130:LEU:HB3	1:A:130:LEU:H	7	0.33
(1,80)	1:A:148:ILE:HG22	1:A:112:SER:HA	3	0.33
(1,80)	1:A:148:ILE:HG21	1:A:112:SER:HA	3	0.33
(1,80)	1:A:148:ILE:HG23	1:A:112:SER:HA	3	0.33
(1,732)	1:A:81:ILE:HA	1:A:79:LYS:HD3	9	0.33
(1,683)	1:A:106:ILE:HG12	1:A:106:ILE:H	8	0.33
(1,456)	1:A:149:LYS:HA	1:A:149:LYS:HE3	9	0.33
(1,4189)	1:A:124:LYS:H	2:B:31:ASP:H	4	0.33
(1,4189)	1:A:124:LYS:H	2:C:31:ASP:H	4	0.33
(1,4189)	1:A:124:LYS:H	2:B:38:ASP:H	4	0.33
(1,4189)	1:A:124:LYS:H	2:C:38:ASP:H	4	0.33
(1,4051)	2:C:54:ILE:HB	2:C:8:ILE:H	5	0.33
(1,4051)	2:C:54:ILE:HB	2:C:50:ALA:H	5	0.33
(1,4050)	2:B:54:ILE:HB	2:B:8:ILE:H	1	0.33
(1,4050)	2:B:54:ILE:HB	2:B:50:ALA:H	1	0.33
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD12	8	0.33
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD11	8	0.33
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD13	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD12	8	0.33
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD11	8	0.33
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD13	8	0.33
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD12	8	0.33
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD11	8	0.33
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD13	8	0.33
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG22	8	0.33
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG21	8	0.33
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG23	8	0.33
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG22	8	0.33
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG21	8	0.33
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG23	8	0.33
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG22	8	0.33
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG21	8	0.33
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG23	8	0.33
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD12	2	0.33
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD11	2	0.33
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD13	2	0.33
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD12	2	0.33
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD11	2	0.33
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD13	2	0.33
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD12	2	0.33
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD11	2	0.33
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD13	2	0.33
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG22	2	0.33
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG21	2	0.33
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG23	2	0.33
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG22	2	0.33
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG21	2	0.33
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG23	2	0.33
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG22	2	0.33
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG21	2	0.33
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG23	2	0.33
(1,3552)	2:B:25:ILE:HD12	2:B:24:GLU:HB3	10	0.33
(1,3552)	2:B:25:ILE:HD11	2:B:24:GLU:HB3	10	0.33
(1,3552)	2:B:25:ILE:HD13	2:B:24:GLU:HB3	10	0.33
(1,3552)	2:B:25:ILE:HD12	2:B:20:VAL:HB	10	0.33
(1,3552)	2:B:25:ILE:HD11	2:B:20:VAL:HB	10	0.33
(1,3552)	2:B:25:ILE:HD13	2:B:20:VAL:HB	10	0.33
(1,3537)	2:C:55:LEU:HD22	2:C:11:LEU:H	9	0.33
(1,3537)	2:C:55:LEU:HD21	2:C:11:LEU:H	9	0.33
(1,3537)	2:C:55:LEU:HD23	2:C:11:LEU:H	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3537)	2:C:55:LEU:HD22	2:C:55:LEU:H	9	0.33
(1,3537)	2:C:55:LEU:HD21	2:C:55:LEU:H	9	0.33
(1,3537)	2:C:55:LEU:HD23	2:C:55:LEU:H	9	0.33
(1,281)	1:A:120:LEU:HB2	1:A:145:THR:HB	2	0.33
(1,2781)	2:C:41:SER:HA	2:C:46:PHE:HE1	10	0.33
(1,2781)	2:C:41:SER:HA	2:C:46:PHE:HE2	10	0.33
(1,2631)	2:C:51:VAL:HB	2:C:55:LEU:HG	3	0.33
(1,2551)	2:C:20:VAL:HG12	2:C:19:ILE:HB	10	0.33
(1,2551)	2:C:20:VAL:HG11	2:C:19:ILE:HB	10	0.33
(1,2551)	2:C:20:VAL:HG13	2:C:19:ILE:HB	10	0.33
(1,2533)	2:C:36:ALA:HB2	2:C:35:VAL:HB	2	0.33
(1,2533)	2:C:36:ALA:HB1	2:C:35:VAL:HB	2	0.33
(1,2533)	2:C:36:ALA:HB3	2:C:35:VAL:HB	2	0.33
(1,2533)	2:C:36:ALA:HB2	2:C:35:VAL:HB	5	0.33
(1,2533)	2:C:36:ALA:HB1	2:C:35:VAL:HB	5	0.33
(1,2533)	2:C:36:ALA:HB3	2:C:35:VAL:HB	5	0.33
(1,2532)	2:B:36:ALA:HB2	2:B:35:VAL:HB	2	0.33
(1,2532)	2:B:36:ALA:HB1	2:B:35:VAL:HB	2	0.33
(1,2532)	2:B:36:ALA:HB3	2:B:35:VAL:HB	2	0.33
(1,2500)	2:B:25:ILE:HG22	2:B:20:VAL:HB	4	0.33
(1,2500)	2:B:25:ILE:HG21	2:B:20:VAL:HB	4	0.33
(1,2500)	2:B:25:ILE:HG23	2:B:20:VAL:HB	4	0.33
(1,2499)	2:C:25:ILE:HG22	2:C:20:VAL:HG12	1	0.33
(1,2499)	2:C:25:ILE:HG22	2:C:20:VAL:HG11	1	0.33
(1,2499)	2:C:25:ILE:HG22	2:C:20:VAL:HG13	1	0.33
(1,2499)	2:C:25:ILE:HG21	2:C:20:VAL:HG12	1	0.33
(1,2499)	2:C:25:ILE:HG21	2:C:20:VAL:HG11	1	0.33
(1,2499)	2:C:25:ILE:HG21	2:C:20:VAL:HG13	1	0.33
(1,2499)	2:C:25:ILE:HG23	2:C:20:VAL:HG12	1	0.33
(1,2499)	2:C:25:ILE:HG23	2:C:20:VAL:HG11	1	0.33
(1,2499)	2:C:25:ILE:HG23	2:C:20:VAL:HG13	1	0.33
(1,2483)	2:C:25:ILE:HB	2:C:19:ILE:HG22	7	0.33
(1,2483)	2:C:25:ILE:HB	2:C:19:ILE:HG21	7	0.33
(1,2483)	2:C:25:ILE:HB	2:C:19:ILE:HG23	7	0.33
(1,2349)	2:C:54:ILE:HB	2:C:55:LEU:H	9	0.33
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD12	8	0.33
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD11	8	0.33
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD13	8	0.33
(1,2098)	2:B:19:ILE:HD12	2:C:5:LYS:HE3	9	0.33
(1,2098)	2:B:19:ILE:HD11	2:C:5:LYS:HE3	9	0.33
(1,2098)	2:B:19:ILE:HD13	2:C:5:LYS:HE3	9	0.33
(1,2061)	2:C:55:LEU:HD22	2:C:14:ASN:H	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2061)	2:C:55:LEU:HD21	2:C:14:ASN:H	6	0.33
(1,2061)	2:C:55:LEU:HD23	2:C:14:ASN:H	6	0.33
(1,2038)	2:B:5:LYS:HB3	2:B:44:PHE:HZ	8	0.33
(1,1794)	1:A:138:THR:H	1:A:137:VAL:HG22	2	0.33
(1,1794)	1:A:138:THR:H	1:A:137:VAL:HG21	2	0.33
(1,1794)	1:A:138:THR:H	1:A:137:VAL:HG23	2	0.33
(1,1794)	1:A:138:THR:H	1:A:121:LEU:HD22	2	0.33
(1,1794)	1:A:138:THR:H	1:A:121:LEU:HD21	2	0.33
(1,1794)	1:A:138:THR:H	1:A:121:LEU:HD23	2	0.33
(1,1661)	1:A:149:LYS:HE3	1:A:149:LYS:HD3	4	0.33
(1,1661)	1:A:149:LYS:HB3	1:A:149:LYS:HE3	4	0.33
(1,1419)	1:A:107:SER:HB3	1:A:108:GLU:H	5	0.33
(1,1403)	1:A:150:PRO:HD2	1:A:149:LYS:H	7	0.33
(1,1179)	1:A:82:GLN:H	1:A:80:LYS:HD2	9	0.33
(1,109)	1:A:126:LEU:HD12	1:A:126:LEU:HA	1	0.33
(1,109)	1:A:126:LEU:HD11	1:A:126:LEU:HA	1	0.33
(1,109)	1:A:126:LEU:HD13	1:A:126:LEU:HA	1	0.33
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG22	8	0.33
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG21	8	0.33
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG23	8	0.33
(3,140)	2:C:38:ASP:N	2:C:34:ASN:O	9	0.32
(1,955)	1:A:131:PHE:HB3	1:A:131:PHE:H	5	0.32
(1,734)	1:A:87:SER:HA	1:A:79:LYS:HD3	9	0.32
(1,717)	1:A:120:LEU:HG	1:A:125:VAL:HA	2	0.32
(1,672)	1:A:121:LEU:HD22	1:A:144:ILE:HA	7	0.32
(1,672)	1:A:121:LEU:HD21	1:A:144:ILE:HA	7	0.32
(1,672)	1:A:121:LEU:HD23	1:A:144:ILE:HA	7	0.32
(1,54)	1:A:81:ILE:HD12	1:A:82:GLN:H	1	0.32
(1,54)	1:A:81:ILE:HD11	1:A:82:GLN:H	1	0.32
(1,54)	1:A:81:ILE:HD13	1:A:82:GLN:H	1	0.32
(1,4182)	1:A:120:LEU:HD21	2:B:38:ASP:H	3	0.32
(1,4182)	1:A:120:LEU:HD22	2:B:38:ASP:H	3	0.32
(1,4182)	1:A:120:LEU:HD23	2:B:38:ASP:H	3	0.32
(1,4182)	1:A:120:LEU:HD21	2:C:38:ASP:H	3	0.32
(1,4182)	1:A:120:LEU:HD22	2:C:38:ASP:H	3	0.32
(1,4182)	1:A:120:LEU:HD23	2:C:38:ASP:H	3	0.32
(1,4182)	1:A:120:LEU:HD21	2:B:31:ASP:H	3	0.32
(1,4182)	1:A:120:LEU:HD22	2:B:31:ASP:H	3	0.32
(1,4182)	1:A:120:LEU:HD23	2:B:31:ASP:H	3	0.32
(1,4182)	1:A:120:LEU:HD21	2:C:31:ASP:H	3	0.32
(1,4182)	1:A:120:LEU:HD22	2:C:31:ASP:H	3	0.32
(1,4182)	1:A:120:LEU:HD23	2:C:31:ASP:H	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3935)	2:C:55:LEU:HD12	2:C:6:GLU:HB2	7	0.32
(1,3935)	2:C:55:LEU:HD11	2:C:6:GLU:HB2	7	0.32
(1,3935)	2:C:55:LEU:HD13	2:C:6:GLU:HB2	7	0.32
(1,3935)	2:C:55:LEU:HD12	2:C:7:GLU:HG2	7	0.32
(1,3935)	2:C:55:LEU:HD11	2:C:7:GLU:HG2	7	0.32
(1,3935)	2:C:55:LEU:HD13	2:C:7:GLU:HG2	7	0.32
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB2	10	0.32
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB1	10	0.32
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB3	10	0.32
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB2	10	0.32
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB1	10	0.32
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB3	10	0.32
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB2	10	0.32
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB1	10	0.32
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB3	10	0.32
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB2	10	0.32
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB1	10	0.32
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB3	10	0.32
(1,3583)	2:C:5:LYS:HE3	2:B:19:ILE:HG22	9	0.32
(1,3583)	2:C:5:LYS:HE3	2:B:19:ILE:HG21	9	0.32
(1,3583)	2:C:5:LYS:HE3	2:B:19:ILE:HG23	9	0.32
(1,3583)	2:C:5:LYS:HE3	2:B:19:ILE:HD12	9	0.32
(1,3583)	2:C:5:LYS:HE3	2:B:19:ILE:HD11	9	0.32
(1,3583)	2:C:5:LYS:HE3	2:B:19:ILE:HD13	9	0.32
(1,3555)	2:C:25:ILE:HD12	2:C:19:ILE:HB	10	0.32
(1,3555)	2:C:25:ILE:HD11	2:C:19:ILE:HB	10	0.32
(1,3555)	2:C:25:ILE:HD13	2:C:19:ILE:HB	10	0.32
(1,3555)	2:C:25:ILE:HD12	2:B:5:LYS:HB3	10	0.32
(1,3555)	2:C:25:ILE:HD11	2:B:5:LYS:HB3	10	0.32
(1,3555)	2:C:25:ILE:HD13	2:B:5:LYS:HB3	10	0.32
(1,3420)	2:B:51:VAL:H	2:B:54:ILE:HG12	8	0.32
(1,3253)	2:C:21:GLU:HB3	2:C:21:GLU:H	6	0.32
(1,2962)	2:B:48:ARG:HG3	2:B:48:ARG:H	7	0.32
(1,29)	1:A:144:ILE:HD12	1:A:144:ILE:HA	7	0.32
(1,29)	1:A:144:ILE:HD11	1:A:144:ILE:HA	7	0.32
(1,29)	1:A:144:ILE:HD13	1:A:144:ILE:HA	7	0.32
(1,265)	1:A:114:ILE:HG12	1:A:103:GLN:HE22	9	0.32
(1,2630)	2:B:51:VAL:HB	2:B:55:LEU:HG	7	0.32
(1,261)	1:A:129:ASN:HB2	1:A:129:ASN:HD21	4	0.32
(1,2545)	2:C:51:VAL:HG12	2:C:55:LEU:HG	7	0.32
(1,2545)	2:C:51:VAL:HG11	2:C:55:LEU:HG	7	0.32
(1,2545)	2:C:51:VAL:HG13	2:C:55:LEU:HG	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2532)	2:B:36:ALA:HB2	2:B:35:VAL:HB	10	0.32
(1,2532)	2:B:36:ALA:HB1	2:B:35:VAL:HB	10	0.32
(1,2532)	2:B:36:ALA:HB3	2:B:35:VAL:HB	10	0.32
(1,2499)	2:C:25:ILE:HG22	2:C:20:VAL:HG12	8	0.32
(1,2499)	2:C:25:ILE:HG22	2:C:20:VAL:HG11	8	0.32
(1,2499)	2:C:25:ILE:HG22	2:C:20:VAL:HG13	8	0.32
(1,2499)	2:C:25:ILE:HG21	2:C:20:VAL:HG12	8	0.32
(1,2499)	2:C:25:ILE:HG21	2:C:20:VAL:HG11	8	0.32
(1,2499)	2:C:25:ILE:HG21	2:C:20:VAL:HG13	8	0.32
(1,2499)	2:C:25:ILE:HG23	2:C:20:VAL:HG12	8	0.32
(1,2499)	2:C:25:ILE:HG23	2:C:20:VAL:HG11	8	0.32
(1,2499)	2:C:25:ILE:HG23	2:C:20:VAL:HG13	8	0.32
(1,2483)	2:C:25:ILE:HB	2:C:19:ILE:HG22	8	0.32
(1,2483)	2:C:25:ILE:HB	2:C:19:ILE:HG21	8	0.32
(1,2483)	2:C:25:ILE:HB	2:C:19:ILE:HG23	8	0.32
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG22	4	0.32
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG21	4	0.32
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG23	4	0.32
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD1	5	0.32
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD2	5	0.32
(1,229)	1:A:118:LYS:HB2	1:A:118:LYS:HE3	2	0.32
(1,2209)	2:C:23:LYS:HD2	2:C:23:LYS:HA	6	0.32
(1,2209)	2:C:23:LYS:HD3	2:C:23:LYS:HA	6	0.32
(1,2208)	2:B:23:LYS:HD2	2:B:23:LYS:HA	2	0.32
(1,2208)	2:B:23:LYS:HD3	2:B:23:LYS:HA	2	0.32
(1,2153)	2:C:48:ARG:HD3	2:C:48:ARG:HB3	2	0.32
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB2	4	0.32
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB1	4	0.32
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB3	4	0.32
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB2	4	0.32
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB1	4	0.32
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB3	4	0.32
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB2	4	0.32
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB1	4	0.32
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB3	4	0.32
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB2	8	0.32
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB1	8	0.32
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB3	8	0.32
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB2	8	0.32
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB1	8	0.32
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB3	8	0.32
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB2	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB1	8	0.32
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB3	8	0.32
(1,1906)	2:B:25:ILE:HA	2:B:25:ILE:HD12	2	0.32
(1,1906)	2:B:25:ILE:HA	2:B:25:ILE:HD11	2	0.32
(1,1906)	2:B:25:ILE:HA	2:B:25:ILE:HD13	2	0.32
(1,1662)	1:A:149:LYS:HG2	1:A:149:LYS:HE3	8	0.32
(1,1662)	1:A:149:LYS:HG3	1:A:149:LYS:HE3	8	0.32
(1,1632)	1:A:147:MET:HG3	1:A:118:LYS:HB3	4	0.32
(1,1632)	1:A:147:MET:HG3	1:A:120:LEU:HB2	4	0.32
(1,1632)	1:A:147:MET:HG3	1:A:120:LEU:HG	4	0.32
(1,1623)	1:A:126:LEU:HG	1:A:124:LYS:HE3	3	0.32
(1,1623)	1:A:126:LEU:HG	1:A:127:HIS:HB2	3	0.32
(1,1623)	1:A:126:LEU:HG	1:A:134:ASP:HB2	3	0.32
(1,1623)	1:A:126:LEU:HG	1:A:124:LYS:HE3	6	0.32
(1,1623)	1:A:126:LEU:HG	1:A:127:HIS:HB2	6	0.32
(1,1623)	1:A:126:LEU:HG	1:A:134:ASP:HB2	6	0.32
(1,1446)	1:A:97:THR:HG21	1:A:96:ASP:HB3	4	0.32
(1,1446)	1:A:97:THR:HG22	1:A:96:ASP:HB3	4	0.32
(1,1446)	1:A:97:THR:HG23	1:A:96:ASP:HB3	4	0.32
(1,1446)	1:A:97:THR:HG21	1:A:100:GLN:HG3	4	0.32
(1,1446)	1:A:97:THR:HG22	1:A:100:GLN:HG3	4	0.32
(1,1446)	1:A:97:THR:HG23	1:A:100:GLN:HG3	4	0.32
(1,1434)	1:A:83:ALA:HB2	1:A:82:GLN:HB2	6	0.32
(1,1434)	1:A:83:ALA:HB1	1:A:82:GLN:HB2	6	0.32
(1,1434)	1:A:83:ALA:HB3	1:A:82:GLN:HB2	6	0.32
(1,1434)	1:A:83:ALA:HB2	1:A:84:PRO:HG2	6	0.32
(1,1434)	1:A:83:ALA:HB1	1:A:84:PRO:HG2	6	0.32
(1,1434)	1:A:83:ALA:HB3	1:A:84:PRO:HG2	6	0.32
(1,1353)	1:A:121:LEU:HD12	1:A:141:ASN:HD21	9	0.32
(1,1353)	1:A:121:LEU:HD11	1:A:141:ASN:HD21	9	0.32
(1,1353)	1:A:121:LEU:HD13	1:A:141:ASN:HD21	9	0.32
(1,113)	1:A:77:THR:HG21	1:A:88:ILE:H	6	0.32
(1,113)	1:A:77:THR:HG22	1:A:88:ILE:H	6	0.32
(1,113)	1:A:77:THR:HG23	1:A:88:ILE:H	6	0.32
(1,1071)	1:A:138:THR:H	1:A:138:THR:HG21	5	0.32
(1,1071)	1:A:138:THR:H	1:A:138:THR:HG22	5	0.32
(1,1071)	1:A:138:THR:H	1:A:138:THR:HG23	5	0.32
(1,1011)	1:A:98:ILE:H	1:A:98:ILE:HG12	9	0.32
(1,955)	1:A:131:PHE:HB3	1:A:131:PHE:H	8	0.31
(1,955)	1:A:131:PHE:HB3	1:A:131:PHE:H	9	0.31
(1,55)	1:A:114:ILE:HD12	1:A:103:GLN:HE22	9	0.31
(1,55)	1:A:114:ILE:HD11	1:A:103:GLN:HE22	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,55)	1:A:114:ILE:HD13	1:A:103:GLN:HE22	9	0.31
(1,533)	1:A:114:ILE:HA	1:A:114:ILE:HG12	5	0.31
(1,414)	1:A:118:LYS:HG2	1:A:118:LYS:H	1	0.31
(1,4053)	2:C:55:LEU:HD22	2:C:8:ILE:H	9	0.31
(1,4053)	2:C:55:LEU:HD21	2:C:8:ILE:H	9	0.31
(1,4053)	2:C:55:LEU:HD23	2:C:8:ILE:H	9	0.31
(1,4053)	2:C:8:ILE:H	2:B:19:ILE:HD12	9	0.31
(1,4053)	2:C:8:ILE:H	2:B:19:ILE:HD11	9	0.31
(1,4053)	2:C:8:ILE:H	2:B:19:ILE:HD13	9	0.31
(1,4053)	2:C:12:ILE:HG22	2:C:9:ALA:H	9	0.31
(1,4053)	2:C:12:ILE:HG21	2:C:9:ALA:H	9	0.31
(1,4053)	2:C:12:ILE:HG23	2:C:9:ALA:H	9	0.31
(1,4053)	2:C:55:LEU:HD22	2:C:9:ALA:H	9	0.31
(1,4053)	2:C:55:LEU:HD21	2:C:9:ALA:H	9	0.31
(1,4053)	2:C:55:LEU:HD23	2:C:9:ALA:H	9	0.31
(1,4053)	2:C:9:ALA:H	2:B:19:ILE:HG22	9	0.31
(1,4053)	2:C:9:ALA:H	2:B:19:ILE:HG21	9	0.31
(1,4053)	2:C:9:ALA:H	2:B:19:ILE:HG23	9	0.31
(1,4053)	2:C:9:ALA:H	2:B:19:ILE:HD12	9	0.31
(1,4053)	2:C:9:ALA:H	2:B:19:ILE:HD11	9	0.31
(1,4053)	2:C:9:ALA:H	2:B:19:ILE:HD13	9	0.31
(1,4053)	2:C:55:LEU:HD12	2:C:50:ALA:H	9	0.31
(1,4053)	2:C:55:LEU:HD11	2:C:50:ALA:H	9	0.31
(1,4053)	2:C:55:LEU:HD13	2:C:50:ALA:H	9	0.31
(1,3780)	2:B:13:VAL:HG22	2:B:16:PHE:HE1	6	0.31
(1,3780)	2:B:13:VAL:HG22	2:B:16:PHE:HE2	6	0.31
(1,3780)	2:B:13:VAL:HG21	2:B:16:PHE:HE1	6	0.31
(1,3780)	2:B:13:VAL:HG21	2:B:16:PHE:HE2	6	0.31
(1,3780)	2:B:13:VAL:HG23	2:B:16:PHE:HE1	6	0.31
(1,3780)	2:B:13:VAL:HG23	2:B:16:PHE:HE2	6	0.31
(1,3780)	2:B:13:VAL:HG22	2:C:16:PHE:HE1	6	0.31
(1,3780)	2:B:13:VAL:HG22	2:C:16:PHE:HE2	6	0.31
(1,3780)	2:B:13:VAL:HG21	2:C:16:PHE:HE1	6	0.31
(1,3780)	2:B:13:VAL:HG21	2:C:16:PHE:HE2	6	0.31
(1,3780)	2:B:13:VAL:HG23	2:C:16:PHE:HE1	6	0.31
(1,3780)	2:B:13:VAL:HG23	2:C:16:PHE:HE2	6	0.31
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD12	2	0.31
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD11	2	0.31
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD13	2	0.31
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD12	2	0.31
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD11	2	0.31
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD13	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD12	2	0.31
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD11	2	0.31
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD13	2	0.31
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG22	2	0.31
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG21	2	0.31
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG23	2	0.31
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG22	2	0.31
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG21	2	0.31
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG23	2	0.31
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG22	2	0.31
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG21	2	0.31
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG23	2	0.31
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD12	3	0.31
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD11	3	0.31
(1,3741)	2:C:25:ILE:HD12	2:C:19:ILE:HD13	3	0.31
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD12	3	0.31
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD11	3	0.31
(1,3741)	2:C:25:ILE:HD11	2:C:19:ILE:HD13	3	0.31
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD12	3	0.31
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD11	3	0.31
(1,3741)	2:C:25:ILE:HD13	2:C:19:ILE:HD13	3	0.31
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG22	3	0.31
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG21	3	0.31
(1,3741)	2:C:19:ILE:HD12	2:B:8:ILE:HG23	3	0.31
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG22	3	0.31
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG21	3	0.31
(1,3741)	2:C:19:ILE:HD11	2:B:8:ILE:HG23	3	0.31
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG22	3	0.31
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG21	3	0.31
(1,3741)	2:C:19:ILE:HD13	2:B:8:ILE:HG23	3	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:13:VAL:HG22	5	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:13:VAL:HG21	5	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:13:VAL:HG23	5	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:13:VAL:HG22	5	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:13:VAL:HG21	5	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:13:VAL:HG23	5	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:13:VAL:HG22	5	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:13:VAL:HG21	5	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:13:VAL:HG23	5	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:40:ILE:HG22	5	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:40:ILE:HG21	5	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:40:ILE:HG23	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3733)	2:C:12:ILE:HD11	2:C:40:ILE:HG22	5	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:40:ILE:HG21	5	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:40:ILE:HG23	5	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:40:ILE:HG22	5	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:40:ILE:HG21	5	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:40:ILE:HG23	5	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:40:ILE:HD12	5	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:40:ILE:HD11	5	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:40:ILE:HD13	5	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:40:ILE:HD12	5	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:40:ILE:HD11	5	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:40:ILE:HD13	5	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:40:ILE:HD12	5	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:40:ILE:HD11	5	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:40:ILE:HD13	5	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:13:VAL:HG22	10	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:13:VAL:HG21	10	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:13:VAL:HG23	10	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:13:VAL:HG22	10	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:13:VAL:HG21	10	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:13:VAL:HG23	10	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:13:VAL:HG22	10	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:13:VAL:HG21	10	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:13:VAL:HG23	10	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:40:ILE:HG22	10	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:40:ILE:HG21	10	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:40:ILE:HG23	10	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:40:ILE:HG22	10	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:40:ILE:HG21	10	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:40:ILE:HG23	10	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:40:ILE:HG22	10	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:40:ILE:HG21	10	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:40:ILE:HG23	10	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:40:ILE:HD12	10	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:40:ILE:HD11	10	0.31
(1,3733)	2:C:12:ILE:HD12	2:C:40:ILE:HD13	10	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:40:ILE:HD12	10	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:40:ILE:HD11	10	0.31
(1,3733)	2:C:12:ILE:HD11	2:C:40:ILE:HD13	10	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:40:ILE:HD12	10	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:40:ILE:HD11	10	0.31
(1,3733)	2:C:12:ILE:HD13	2:C:40:ILE:HD13	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3643)	2:C:68:ILE:HB	2:C:71:SER:H	9	0.31
(1,3643)	2:C:68:ILE:HB	2:B:54:ILE:H	9	0.31
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB2	8	0.31
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB1	8	0.31
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB3	8	0.31
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB2	8	0.31
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB1	8	0.31
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB3	8	0.31
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB2	6	0.31
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB1	6	0.31
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB3	6	0.31
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB2	6	0.31
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB1	6	0.31
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB3	6	0.31
(1,3620)	2:B:40:ILE:HA	2:B:36:ALA:HB2	3	0.31
(1,3620)	2:B:40:ILE:HA	2:B:36:ALA:HB1	3	0.31
(1,3620)	2:B:40:ILE:HA	2:B:36:ALA:HB3	3	0.31
(1,3620)	2:B:40:ILE:HA	2:C:36:ALA:HB2	3	0.31
(1,3620)	2:B:40:ILE:HA	2:C:36:ALA:HB1	3	0.31
(1,3620)	2:B:40:ILE:HA	2:C:36:ALA:HB3	3	0.31
(1,3595)	2:C:9:ALA:HA	2:C:12:ILE:HG13	7	0.31
(1,3595)	2:C:9:ALA:HA	2:B:12:ILE:HG13	7	0.31
(1,35)	1:A:106:ILE:HD12	1:A:113:HIS:HA	2	0.31
(1,35)	1:A:106:ILE:HD11	1:A:113:HIS:HA	2	0.31
(1,35)	1:A:106:ILE:HD13	1:A:113:HIS:HA	2	0.31
(1,35)	1:A:106:ILE:HD12	1:A:113:HIS:HA	6	0.31
(1,35)	1:A:106:ILE:HD11	1:A:113:HIS:HA	6	0.31
(1,35)	1:A:106:ILE:HD13	1:A:113:HIS:HA	6	0.31
(1,3106)	2:B:51:VAL:HG22	2:B:52:SER:H	9	0.31
(1,3106)	2:B:51:VAL:HG21	2:B:52:SER:H	9	0.31
(1,3106)	2:B:51:VAL:HG23	2:B:52:SER:H	9	0.31
(1,3068)	2:B:39:CYS:H	2:B:35:VAL:HB	5	0.31
(1,3049)	2:C:50:ALA:H	2:C:13:VAL:HG12	5	0.31
(1,3049)	2:C:50:ALA:H	2:C:13:VAL:HG11	5	0.31
(1,3049)	2:C:50:ALA:H	2:C:13:VAL:HG13	5	0.31
(1,2946)	2:B:44:PHE:HB2	2:B:46:PHE:HE1	4	0.31
(1,2946)	2:B:44:PHE:HB2	2:B:46:PHE:HE2	4	0.31
(1,2885)	2:C:6:GLU:HG2	2:C:54:ILE:HG22	1	0.31
(1,2885)	2:C:6:GLU:HG2	2:C:54:ILE:HG21	1	0.31
(1,2885)	2:C:6:GLU:HG2	2:C:54:ILE:HG23	1	0.31
(1,2804)	2:B:52:SER:HB3	2:C:68:ILE:HG22	1	0.31
(1,2804)	2:B:52:SER:HB3	2:C:68:ILE:HG21	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2804)	2:B:52:SER:HB3	2:C:68:ILE:HG23	1	0.31
(1,2780)	2:B:41:SER:HA	2:B:46:PHE:HE1	3	0.31
(1,2780)	2:B:41:SER:HA	2:B:46:PHE:HE2	3	0.31
(1,2631)	2:C:51:VAL:HB	2:C:55:LEU:HG	4	0.31
(1,2553)	2:C:35:VAL:HG12	2:C:37:MET:HB3	7	0.31
(1,2553)	2:C:35:VAL:HG11	2:C:37:MET:HB3	7	0.31
(1,2553)	2:C:35:VAL:HG13	2:C:37:MET:HB3	7	0.31
(1,2553)	2:C:35:VAL:HG12	2:C:37:MET:HB3	10	0.31
(1,2553)	2:C:35:VAL:HG11	2:C:37:MET:HB3	10	0.31
(1,2553)	2:C:35:VAL:HG13	2:C:37:MET:HB3	10	0.31
(1,2551)	2:C:20:VAL:HG12	2:C:19:ILE:HB	7	0.31
(1,2551)	2:C:20:VAL:HG11	2:C:19:ILE:HB	7	0.31
(1,2551)	2:C:20:VAL:HG13	2:C:19:ILE:HB	7	0.31
(1,2550)	2:B:20:VAL:HG12	2:B:19:ILE:HB	6	0.31
(1,2550)	2:B:20:VAL:HG11	2:B:19:ILE:HB	6	0.31
(1,2550)	2:B:20:VAL:HG13	2:B:19:ILE:HB	6	0.31
(1,2423)	2:C:25:ILE:HD12	2:B:44:PHE:HZ	9	0.31
(1,2423)	2:C:25:ILE:HD11	2:B:44:PHE:HZ	9	0.31
(1,2423)	2:C:25:ILE:HD13	2:B:44:PHE:HZ	9	0.31
(1,2388)	2:B:20:VAL:HG22	2:B:34:ASN:HD22	10	0.31
(1,2388)	2:B:20:VAL:HG21	2:B:34:ASN:HD22	10	0.31
(1,2388)	2:B:20:VAL:HG23	2:B:34:ASN:HD22	10	0.31
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD1	6	0.31
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD2	6	0.31
(1,2245)	2:C:55:LEU:HD22	2:C:11:LEU:HA	5	0.31
(1,2245)	2:C:55:LEU:HD21	2:C:11:LEU:HA	5	0.31
(1,2245)	2:C:55:LEU:HD23	2:C:11:LEU:HA	5	0.31
(1,2211)	2:C:22:LYS:HA	2:C:24:GLU:HB2	8	0.31
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG22	10	0.31
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG21	10	0.31
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG23	10	0.31
(1,2159)	2:C:13:VAL:HG22	2:C:48:ARG:HD3	2	0.31
(1,2159)	2:C:13:VAL:HG21	2:C:48:ARG:HD3	2	0.31
(1,2159)	2:C:13:VAL:HG23	2:C:48:ARG:HD3	2	0.31
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB2	6	0.31
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB1	6	0.31
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB3	6	0.31
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB2	6	0.31
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB1	6	0.31
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB3	6	0.31
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB2	6	0.31
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB1	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB3	6	0.31
(1,209)	1:A:151:ASN:HB3	1:A:151:ASN:HD21	9	0.31
(1,2043)	2:C:5:LYS:HD3	2:C:44:PHE:HZ	9	0.31
(1,2038)	2:B:5:LYS:HB3	2:B:44:PHE:HZ	1	0.31
(1,201)	1:A:144:ILE:HG22	1:A:120:LEU:H	7	0.31
(1,201)	1:A:144:ILE:HG21	1:A:120:LEU:H	7	0.31
(1,201)	1:A:144:ILE:HG23	1:A:120:LEU:H	7	0.31
(1,1659)	1:A:118:LYS:HB2	1:A:118:LYS:HE3	2	0.31
(1,1659)	1:A:124:LYS:HE2	1:A:124:LYS:HD3	2	0.31
(1,1479)	1:A:82:GLN:HG3	1:A:82:GLN:H	10	0.31
(1,1479)	1:A:103:GLN:HG3	1:A:102:LYS:H	10	0.31
(1,1446)	1:A:97:THR:HG21	1:A:96:ASP:HB3	10	0.31
(1,1446)	1:A:97:THR:HG22	1:A:96:ASP:HB3	10	0.31
(1,1446)	1:A:97:THR:HG23	1:A:96:ASP:HB3	10	0.31
(1,1446)	1:A:97:THR:HG21	1:A:100:GLN:HG3	10	0.31
(1,1446)	1:A:97:THR:HG22	1:A:100:GLN:HG3	10	0.31
(1,1446)	1:A:97:THR:HG23	1:A:100:GLN:HG3	10	0.31
(1,1434)	1:A:83:ALA:HB2	1:A:82:GLN:HB2	2	0.31
(1,1434)	1:A:83:ALA:HB1	1:A:82:GLN:HB2	2	0.31
(1,1434)	1:A:83:ALA:HB3	1:A:82:GLN:HB2	2	0.31
(1,1434)	1:A:83:ALA:HB2	1:A:84:PRO:HG2	2	0.31
(1,1434)	1:A:83:ALA:HB1	1:A:84:PRO:HG2	2	0.31
(1,1434)	1:A:83:ALA:HB3	1:A:84:PRO:HG2	2	0.31
(1,1434)	1:A:83:ALA:HB2	1:A:82:GLN:HB2	4	0.31
(1,1434)	1:A:83:ALA:HB1	1:A:82:GLN:HB2	4	0.31
(1,1434)	1:A:83:ALA:HB3	1:A:82:GLN:HB2	4	0.31
(1,1434)	1:A:83:ALA:HB2	1:A:84:PRO:HG2	4	0.31
(1,1434)	1:A:83:ALA:HB1	1:A:84:PRO:HG2	4	0.31
(1,1434)	1:A:83:ALA:HB3	1:A:84:PRO:HG2	4	0.31
(1,1434)	1:A:83:ALA:HB2	1:A:82:GLN:HB2	7	0.31
(1,1434)	1:A:83:ALA:HB1	1:A:82:GLN:HB2	7	0.31
(1,1434)	1:A:83:ALA:HB3	1:A:82:GLN:HB2	7	0.31
(1,1434)	1:A:83:ALA:HB2	1:A:84:PRO:HG2	7	0.31
(1,1434)	1:A:83:ALA:HB1	1:A:84:PRO:HG2	7	0.31
(1,1434)	1:A:83:ALA:HB3	1:A:84:PRO:HG2	7	0.31
(1,119)	1:A:97:THR:HG21	1:A:131:PHE:HD1	6	0.31
(1,119)	1:A:97:THR:HG21	1:A:131:PHE:HD2	6	0.31
(1,119)	1:A:97:THR:HG22	1:A:131:PHE:HD1	6	0.31
(1,119)	1:A:97:THR:HG22	1:A:131:PHE:HD2	6	0.31
(1,119)	1:A:97:THR:HG23	1:A:131:PHE:HD1	6	0.31
(1,119)	1:A:97:THR:HG23	1:A:131:PHE:HD2	6	0.31
(3,140)	2:C:38:ASP:N	2:C:34:ASN:O	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,139)	2:C:38:ASP:H	2:C:34:ASN:O	4	0.3
(3,139)	2:C:38:ASP:H	2:C:34:ASN:O	10	0.3
(1,809)	1:A:126:LEU:HB2	1:A:126:LEU:H	5	0.3
(1,4051)	2:C:54:ILE:HB	2:C:8:ILE:H	10	0.3
(1,4051)	2:C:54:ILE:HB	2:C:50:ALA:H	10	0.3
(1,3744)	2:B:40:ILE:HD12	2:B:36:ALA:HB2	10	0.3
(1,3744)	2:B:40:ILE:HD12	2:B:36:ALA:HB1	10	0.3
(1,3744)	2:B:40:ILE:HD12	2:B:36:ALA:HB3	10	0.3
(1,3744)	2:B:40:ILE:HD11	2:B:36:ALA:HB2	10	0.3
(1,3744)	2:B:40:ILE:HD11	2:B:36:ALA:HB1	10	0.3
(1,3744)	2:B:40:ILE:HD11	2:B:36:ALA:HB3	10	0.3
(1,3744)	2:B:40:ILE:HD13	2:B:36:ALA:HB2	10	0.3
(1,3744)	2:B:40:ILE:HD13	2:B:36:ALA:HB1	10	0.3
(1,3744)	2:B:40:ILE:HD13	2:B:36:ALA:HB3	10	0.3
(1,3744)	2:B:40:ILE:HD12	2:C:36:ALA:HB2	10	0.3
(1,3744)	2:B:40:ILE:HD12	2:C:36:ALA:HB1	10	0.3
(1,3744)	2:B:40:ILE:HD12	2:C:36:ALA:HB3	10	0.3
(1,3744)	2:B:40:ILE:HD11	2:C:36:ALA:HB2	10	0.3
(1,3744)	2:B:40:ILE:HD11	2:C:36:ALA:HB1	10	0.3
(1,3744)	2:B:40:ILE:HD11	2:C:36:ALA:HB3	10	0.3
(1,3744)	2:B:40:ILE:HD13	2:C:36:ALA:HB2	10	0.3
(1,3744)	2:B:40:ILE:HD13	2:C:36:ALA:HB1	10	0.3
(1,3744)	2:B:40:ILE:HD13	2:C:36:ALA:HB3	10	0.3
(1,3708)	2:B:4:SER:HB2	2:B:5:LYS:H	7	0.3
(1,3708)	2:B:26:SER:HB2	2:B:27:GLU:H	7	0.3
(1,3573)	2:C:33:LEU:HD22	2:C:19:ILE:HB	8	0.3
(1,3573)	2:C:33:LEU:HD21	2:C:19:ILE:HB	8	0.3
(1,3573)	2:C:33:LEU:HD23	2:C:19:ILE:HB	8	0.3
(1,3573)	2:C:33:LEU:HD22	2:B:5:LYS:HB3	8	0.3
(1,3573)	2:C:33:LEU:HD21	2:B:5:LYS:HB3	8	0.3
(1,3573)	2:C:33:LEU:HD23	2:B:5:LYS:HB3	8	0.3
(1,3555)	2:C:25:ILE:HD12	2:C:19:ILE:HB	2	0.3
(1,3555)	2:C:25:ILE:HD11	2:C:19:ILE:HB	2	0.3
(1,3555)	2:C:25:ILE:HD13	2:C:19:ILE:HB	2	0.3
(1,3555)	2:C:25:ILE:HD12	2:B:5:LYS:HB3	2	0.3
(1,3555)	2:C:25:ILE:HD11	2:B:5:LYS:HB3	2	0.3
(1,3555)	2:C:25:ILE:HD13	2:B:5:LYS:HB3	2	0.3
(1,3555)	2:C:25:ILE:HD12	2:C:19:ILE:HB	8	0.3
(1,3555)	2:C:25:ILE:HD11	2:C:19:ILE:HB	8	0.3
(1,3555)	2:C:25:ILE:HD13	2:C:19:ILE:HB	8	0.3
(1,3555)	2:C:25:ILE:HD12	2:B:5:LYS:HB3	8	0.3
(1,3555)	2:C:25:ILE:HD11	2:B:5:LYS:HB3	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3555)	2:C:25:ILE:HD13	2:B:5:LYS:HB3	8	0.3
(1,3252)	2:B:21:GLU:HB3	2:B:21:GLU:H	2	0.3
(1,3139)	2:C:2:SER:H	2:C:3:ALA:H	6	0.3
(1,3106)	2:B:51:VAL:HG22	2:B:52:SER:H	8	0.3
(1,3106)	2:B:51:VAL:HG21	2:B:52:SER:H	8	0.3
(1,3106)	2:B:51:VAL:HG23	2:B:52:SER:H	8	0.3
(1,3)	1:A:120:LEU:HD12	1:A:119:LEU:H	1	0.3
(1,3)	1:A:120:LEU:HD11	1:A:119:LEU:H	1	0.3
(1,3)	1:A:120:LEU:HD13	1:A:119:LEU:H	1	0.3
(1,2743)	2:C:29:GLY:HA2	2:B:43:ALA:HB2	2	0.3
(1,2743)	2:C:29:GLY:HA2	2:B:43:ALA:HB1	2	0.3
(1,2743)	2:C:29:GLY:HA2	2:B:43:ALA:HB3	2	0.3
(1,2692)	2:B:50:ALA:HB2	2:B:47:GLU:HB2	7	0.3
(1,2692)	2:B:50:ALA:HB1	2:B:47:GLU:HB2	7	0.3
(1,2692)	2:B:50:ALA:HB3	2:B:47:GLU:HB2	7	0.3
(1,2545)	2:C:51:VAL:HG12	2:C:55:LEU:HG	6	0.3
(1,2545)	2:C:51:VAL:HG11	2:C:55:LEU:HG	6	0.3
(1,2545)	2:C:51:VAL:HG13	2:C:55:LEU:HG	6	0.3
(1,2533)	2:C:36:ALA:HB2	2:C:35:VAL:HB	9	0.3
(1,2533)	2:C:36:ALA:HB1	2:C:35:VAL:HB	9	0.3
(1,2533)	2:C:36:ALA:HB3	2:C:35:VAL:HB	9	0.3
(1,2532)	2:B:36:ALA:HB2	2:B:35:VAL:HB	6	0.3
(1,2532)	2:B:36:ALA:HB1	2:B:35:VAL:HB	6	0.3
(1,2532)	2:B:36:ALA:HB3	2:B:35:VAL:HB	6	0.3
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD1	3	0.3
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD2	3	0.3
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD12	7	0.3
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD11	7	0.3
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD13	7	0.3
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB2	7	0.3
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB1	7	0.3
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB3	7	0.3
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB2	7	0.3
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB1	7	0.3
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB3	7	0.3
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB2	7	0.3
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB1	7	0.3
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB3	7	0.3
(1,186)	1:A:120:LEU:HD22	1:A:120:LEU:H	2	0.3
(1,186)	1:A:120:LEU:HD21	1:A:120:LEU:H	2	0.3
(1,186)	1:A:120:LEU:HD23	1:A:120:LEU:H	2	0.3
(1,186)	1:A:120:LEU:HD22	1:A:120:LEU:H	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,186)	1:A:120:LEU:HD21	1:A:120:LEU:H	7	0.3
(1,186)	1:A:120:LEU:HD23	1:A:120:LEU:H	7	0.3
(1,1670)	1:A:124:LYS:HE3	1:A:126:LEU:HA	4	0.3
(1,1670)	1:A:135:LEU:HA	1:A:124:LYS:HE3	4	0.3
(1,1670)	1:A:136:LYS:HE3	1:A:133:SER:HA	4	0.3
(1,1670)	1:A:136:LYS:HA	1:A:136:LYS:HE3	4	0.3
(1,1663)	1:A:85:LYS:HG2	1:A:85:LYS:HE3	4	0.3
(1,1663)	1:A:85:LYS:HG3	1:A:85:LYS:HE3	4	0.3
(1,1651)	1:A:88:ILE:HG22	1:A:78:LEU:HB3	6	0.3
(1,1651)	1:A:88:ILE:HG21	1:A:78:LEU:HB3	6	0.3
(1,1651)	1:A:88:ILE:HG23	1:A:78:LEU:HB3	6	0.3
(1,1651)	1:A:88:ILE:HG22	1:A:89:GLU:HG3	6	0.3
(1,1651)	1:A:88:ILE:HG21	1:A:89:GLU:HG3	6	0.3
(1,1651)	1:A:88:ILE:HG23	1:A:89:GLU:HG3	6	0.3
(1,1287)	1:A:127:HIS:H	1:A:130:LEU:HD22	7	0.3
(1,1287)	1:A:127:HIS:H	1:A:130:LEU:HD21	7	0.3
(1,1287)	1:A:127:HIS:H	1:A:130:LEU:HD23	7	0.3
(1,1169)	1:A:125:VAL:HG22	1:A:125:VAL:H	1	0.3
(1,1169)	1:A:125:VAL:HG21	1:A:125:VAL:H	1	0.3
(1,1169)	1:A:125:VAL:HG23	1:A:125:VAL:H	1	0.3
(1,1159)	1:A:152:LEU:HG	1:A:152:LEU:H	2	0.3
(1,1033)	1:A:106:ILE:HG13	1:A:106:ILE:H	9	0.3
(3,140)	2:C:38:ASP:N	2:C:34:ASN:O	2	0.29
(3,139)	2:C:38:ASP:H	2:C:34:ASN:O	7	0.29
(1,85)	1:A:73:MET:HE2	1:A:73:MET:HA	10	0.29
(1,85)	1:A:73:MET:HE1	1:A:73:MET:HA	10	0.29
(1,85)	1:A:73:MET:HE3	1:A:73:MET:HA	10	0.29
(1,795)	1:A:80:LYS:HE3	1:A:86:PHE:HZ	3	0.29
(1,785)	1:A:122:LYS:HD3	1:A:121:LEU:HD12	3	0.29
(1,785)	1:A:122:LYS:HD3	1:A:121:LEU:HD11	3	0.29
(1,785)	1:A:122:LYS:HD3	1:A:121:LEU:HD13	3	0.29
(1,703)	1:A:122:LYS:HE3	1:A:141:ASN:HD22	3	0.29
(1,686)	1:A:122:LYS:HA	1:A:122:LYS:HD3	1	0.29
(1,4189)	1:A:124:LYS:H	2:B:31:ASP:H	10	0.29
(1,4189)	1:A:124:LYS:H	2:C:31:ASP:H	10	0.29
(1,4189)	1:A:124:LYS:H	2:B:38:ASP:H	10	0.29
(1,4189)	1:A:124:LYS:H	2:C:38:ASP:H	10	0.29
(1,418)	1:A:136:LYS:HG2	1:A:136:LYS:H	10	0.29
(1,4109)	2:C:21:GLU:H	2:C:22:LYS:HG3	7	0.29
(1,4109)	2:C:21:GLU:H	2:C:30:ALA:HB2	7	0.29
(1,4109)	2:C:21:GLU:H	2:C:30:ALA:HB1	7	0.29
(1,4109)	2:C:21:GLU:H	2:C:30:ALA:HB3	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4051)	2:C:54:ILE:HB	2:C:8:ILE:H	1	0.29
(1,4051)	2:C:54:ILE:HB	2:C:50:ALA:H	1	0.29
(1,3935)	2:C:55:LEU:HD12	2:C:6:GLU:HB2	3	0.29
(1,3935)	2:C:55:LEU:HD11	2:C:6:GLU:HB2	3	0.29
(1,3935)	2:C:55:LEU:HD13	2:C:6:GLU:HB2	3	0.29
(1,3935)	2:C:55:LEU:HD12	2:C:7:GLU:HG2	3	0.29
(1,3935)	2:C:55:LEU:HD11	2:C:7:GLU:HG2	3	0.29
(1,3935)	2:C:55:LEU:HD13	2:C:7:GLU:HG2	3	0.29
(1,3858)	2:B:16:PHE:HB2	2:B:19:ILE:HB	2	0.29
(1,3858)	2:B:16:PHE:HB2	2:B:37:MET:HE2	2	0.29
(1,3858)	2:B:16:PHE:HB2	2:B:37:MET:HE1	2	0.29
(1,3858)	2:B:16:PHE:HB2	2:B:37:MET:HE3	2	0.29
(1,3684)	2:B:12:ILE:HD12	2:B:15:TYR:HD1	6	0.29
(1,3684)	2:B:12:ILE:HD12	2:B:15:TYR:HD2	6	0.29
(1,3684)	2:B:12:ILE:HD11	2:B:15:TYR:HD1	6	0.29
(1,3684)	2:B:12:ILE:HD11	2:B:15:TYR:HD2	6	0.29
(1,3684)	2:B:12:ILE:HD13	2:B:15:TYR:HD1	6	0.29
(1,3684)	2:B:12:ILE:HD13	2:B:15:TYR:HD2	6	0.29
(1,3684)	2:B:12:ILE:HD12	2:C:15:TYR:HD1	6	0.29
(1,3684)	2:B:12:ILE:HD12	2:C:15:TYR:HD2	6	0.29
(1,3684)	2:B:12:ILE:HD11	2:C:15:TYR:HD1	6	0.29
(1,3684)	2:B:12:ILE:HD11	2:C:15:TYR:HD2	6	0.29
(1,3684)	2:B:12:ILE:HD13	2:C:15:TYR:HD1	6	0.29
(1,3684)	2:B:12:ILE:HD13	2:C:15:TYR:HD2	6	0.29
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB2	6	0.29
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB1	6	0.29
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB3	6	0.29
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB2	6	0.29
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB1	6	0.29
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB3	6	0.29
(1,3573)	2:C:33:LEU:HD22	2:C:19:ILE:HB	5	0.29
(1,3573)	2:C:33:LEU:HD21	2:C:19:ILE:HB	5	0.29
(1,3573)	2:C:33:LEU:HD23	2:C:19:ILE:HB	5	0.29
(1,3573)	2:C:33:LEU:HD22	2:B:5:LYS:HB3	5	0.29
(1,3573)	2:C:33:LEU:HD21	2:B:5:LYS:HB3	5	0.29
(1,3573)	2:C:33:LEU:HD23	2:B:5:LYS:HB3	5	0.29
(1,3164)	2:B:7:GLU:H	2:B:7:GLU:HG3	2	0.29
(1,3107)	2:C:51:VAL:HG22	2:C:52:SER:H	7	0.29
(1,3107)	2:C:51:VAL:HG21	2:C:52:SER:H	7	0.29
(1,3107)	2:C:51:VAL:HG23	2:C:52:SER:H	7	0.29
(1,3107)	2:C:51:VAL:HG22	2:C:52:SER:H	8	0.29
(1,3107)	2:C:51:VAL:HG21	2:C:52:SER:H	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3107)	2:C:51:VAL:HG23	2:C:52:SER:H	8	0.29
(1,3083)	2:C:41:SER:H	2:C:41:SER:HB3	3	0.29
(1,3023)	2:C:48:ARG:HG2	2:C:48:ARG:H	8	0.29
(1,3015)	2:C:5:LYS:HG2	2:C:5:LYS:H	1	0.29
(1,2962)	2:B:48:ARG:HG3	2:B:48:ARG:H	6	0.29
(1,2630)	2:B:51:VAL:HB	2:B:55:LEU:HG	10	0.29
(1,261)	1:A:129:ASN:HB2	1:A:129:ASN:HD21	2	0.29
(1,2551)	2:C:20:VAL:HG12	2:C:19:ILE:HB	1	0.29
(1,2551)	2:C:20:VAL:HG11	2:C:19:ILE:HB	1	0.29
(1,2551)	2:C:20:VAL:HG13	2:C:19:ILE:HB	1	0.29
(1,2533)	2:C:36:ALA:HB2	2:C:35:VAL:HB	3	0.29
(1,2533)	2:C:36:ALA:HB1	2:C:35:VAL:HB	3	0.29
(1,2533)	2:C:36:ALA:HB3	2:C:35:VAL:HB	3	0.29
(1,2532)	2:B:36:ALA:HB2	2:B:35:VAL:HB	5	0.29
(1,2532)	2:B:36:ALA:HB1	2:B:35:VAL:HB	5	0.29
(1,2532)	2:B:36:ALA:HB3	2:B:35:VAL:HB	5	0.29
(1,252)	1:A:85:LYS:HB3	1:A:85:LYS:H	8	0.29
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG22	1	0.29
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG21	1	0.29
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG23	1	0.29
(1,2357)	2:C:49:GLU:HG2	2:C:49:GLU:H	8	0.29
(1,235)	1:A:118:LYS:HB3	1:A:118:LYS:HE3	4	0.29
(1,2347)	2:C:44:PHE:HB2	2:C:46:PHE:HD1	3	0.29
(1,2347)	2:C:44:PHE:HB2	2:C:46:PHE:HD2	3	0.29
(1,2227)	2:C:5:LYS:HA	2:C:8:ILE:HG13	6	0.29
(1,2211)	2:C:22:LYS:HA	2:C:24:GLU:HB2	2	0.29
(1,2208)	2:B:23:LYS:HD2	2:B:23:LYS:HA	8	0.29
(1,2208)	2:B:23:LYS:HD3	2:B:23:LYS:HA	8	0.29
(1,2192)	2:B:25:ILE:HD12	2:B:30:ALA:HA	1	0.29
(1,2192)	2:B:25:ILE:HD11	2:B:30:ALA:HA	1	0.29
(1,2192)	2:B:25:ILE:HD13	2:B:30:ALA:HA	1	0.29
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG22	8	0.29
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG21	8	0.29
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG23	8	0.29
(1,2178)	2:B:9:ALA:HA	2:B:12:ILE:HD12	10	0.29
(1,2178)	2:B:9:ALA:HA	2:B:12:ILE:HD11	10	0.29
(1,2178)	2:B:9:ALA:HA	2:B:12:ILE:HD13	10	0.29
(1,2089)	2:C:8:ILE:HD12	2:B:19:ILE:HG12	3	0.29
(1,2089)	2:C:8:ILE:HD11	2:B:19:ILE:HG12	3	0.29
(1,2089)	2:C:8:ILE:HD13	2:B:19:ILE:HG12	3	0.29
(1,2)	1:A:120:LEU:HD12	1:A:120:LEU:H	5	0.29
(1,2)	1:A:120:LEU:HD11	1:A:120:LEU:H	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2)	1:A:120:LEU:HD13	1:A:120:LEU:H	5	0.29
(1,1857)	2:C:16:PHE:HB3	2:C:37:MET:HE2	8	0.29
(1,1857)	2:C:16:PHE:HB3	2:C:37:MET:HE1	8	0.29
(1,1857)	2:C:16:PHE:HB3	2:C:37:MET:HE3	8	0.29
(1,1856)	2:B:16:PHE:HB3	2:B:37:MET:HE2	3	0.29
(1,1856)	2:B:16:PHE:HB3	2:B:37:MET:HE1	3	0.29
(1,1856)	2:B:16:PHE:HB3	2:B:37:MET:HE3	3	0.29
(1,177)	1:A:132:LEU:HD22	1:A:97:THR:HA	1	0.29
(1,177)	1:A:132:LEU:HD21	1:A:97:THR:HA	1	0.29
(1,177)	1:A:132:LEU:HD23	1:A:97:THR:HA	1	0.29
(1,1623)	1:A:126:LEU:HG	1:A:124:LYS:HE3	4	0.29
(1,1623)	1:A:126:LEU:HG	1:A:127:HIS:HB2	4	0.29
(1,1623)	1:A:126:LEU:HG	1:A:134:ASP:HB2	4	0.29
(1,1570)	1:A:139:PRO:HA	1:A:74:VAL:HG22	10	0.29
(1,1570)	1:A:139:PRO:HA	1:A:74:VAL:HG21	10	0.29
(1,1570)	1:A:139:PRO:HA	1:A:74:VAL:HG23	10	0.29
(1,1570)	1:A:139:PRO:HA	1:A:137:VAL:HG22	10	0.29
(1,1570)	1:A:139:PRO:HA	1:A:137:VAL:HG21	10	0.29
(1,1570)	1:A:139:PRO:HA	1:A:137:VAL:HG23	10	0.29
(1,1434)	1:A:83:ALA:HB2	1:A:82:GLN:HB2	1	0.29
(1,1434)	1:A:83:ALA:HB1	1:A:82:GLN:HB2	1	0.29
(1,1434)	1:A:83:ALA:HB3	1:A:82:GLN:HB2	1	0.29
(1,1434)	1:A:83:ALA:HB2	1:A:84:PRO:HG2	1	0.29
(1,1434)	1:A:83:ALA:HB1	1:A:84:PRO:HG2	1	0.29
(1,1434)	1:A:83:ALA:HB3	1:A:84:PRO:HG2	1	0.29
(1,1338)	1:A:99:LEU:HD12	1:A:103:GLN:HE21	7	0.29
(1,1338)	1:A:99:LEU:HD11	1:A:103:GLN:HE21	7	0.29
(1,1338)	1:A:99:LEU:HD13	1:A:103:GLN:HE21	7	0.29
(1,1132)	1:A:126:LEU:H	1:A:126:LEU:HB3	7	0.29
(1,1060)	1:A:116:GLU:HG2	1:A:116:GLU:H	7	0.29
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG22	10	0.29
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG21	10	0.29
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG23	10	0.29
(1,867)	1:A:145:THR:HG21	1:A:145:THR:H	1	0.28
(1,867)	1:A:145:THR:HG22	1:A:145:THR:H	1	0.28
(1,867)	1:A:145:THR:HG23	1:A:145:THR:H	1	0.28
(1,867)	1:A:145:THR:HG21	1:A:145:THR:H	6	0.28
(1,867)	1:A:145:THR:HG22	1:A:145:THR:H	6	0.28
(1,867)	1:A:145:THR:HG23	1:A:145:THR:H	6	0.28
(1,80)	1:A:148:ILE:HG22	1:A:112:SER:HA	7	0.28
(1,80)	1:A:148:ILE:HG21	1:A:112:SER:HA	7	0.28
(1,80)	1:A:148:ILE:HG23	1:A:112:SER:HA	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:A:132:LEU:HA	1:A:135:LEU:HD12	8	0.28
(1,769)	1:A:132:LEU:HA	1:A:135:LEU:HD11	8	0.28
(1,769)	1:A:132:LEU:HA	1:A:135:LEU:HD13	8	0.28
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD12	1	0.28
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD11	1	0.28
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD13	1	0.28
(1,531)	1:A:137:VAL:HA	1:A:138:THR:HG21	5	0.28
(1,531)	1:A:137:VAL:HA	1:A:138:THR:HG22	5	0.28
(1,531)	1:A:137:VAL:HA	1:A:138:THR:HG23	5	0.28
(1,511)	1:A:139:PRO:HD2	1:A:138:THR:HB	1	0.28
(1,511)	1:A:139:PRO:HD2	1:A:138:THR:HB	4	0.28
(1,4189)	1:A:124:LYS:H	2:B:31:ASP:H	5	0.28
(1,4189)	1:A:124:LYS:H	2:C:31:ASP:H	5	0.28
(1,4189)	1:A:124:LYS:H	2:B:38:ASP:H	5	0.28
(1,4189)	1:A:124:LYS:H	2:C:38:ASP:H	5	0.28
(1,4084)	2:B:14:ASN:H	2:B:12:ILE:HG22	9	0.28
(1,4084)	2:B:14:ASN:H	2:B:12:ILE:HG21	9	0.28
(1,4084)	2:B:14:ASN:H	2:B:12:ILE:HG23	9	0.28
(1,4084)	2:B:55:LEU:HD22	2:B:14:ASN:H	9	0.28
(1,4084)	2:B:55:LEU:HD21	2:B:14:ASN:H	9	0.28
(1,4084)	2:B:55:LEU:HD23	2:B:14:ASN:H	9	0.28
(1,4051)	2:C:54:ILE:HB	2:C:8:ILE:H	6	0.28
(1,4051)	2:C:54:ILE:HB	2:C:50:ALA:H	6	0.28
(1,3961)	2:C:48:ARG:HA	2:C:48:ARG:HG3	9	0.28
(1,3961)	2:C:55:LEU:HA	2:C:55:LEU:HG	9	0.28
(1,3929)	2:C:39:CYS:HB2	2:B:35:VAL:HB	4	0.28
(1,3929)	2:C:39:CYS:HB3	2:B:35:VAL:HB	4	0.28
(1,3929)	2:C:39:CYS:HB2	2:C:35:VAL:HB	4	0.28
(1,3929)	2:C:39:CYS:HB3	2:C:35:VAL:HB	4	0.28
(1,3554)	2:B:25:ILE:HD12	2:B:19:ILE:HB	8	0.28
(1,3554)	2:B:25:ILE:HD11	2:B:19:ILE:HB	8	0.28
(1,3554)	2:B:25:ILE:HD13	2:B:19:ILE:HB	8	0.28
(1,3554)	2:B:25:ILE:HD12	2:C:5:LYS:HB3	8	0.28
(1,3554)	2:B:25:ILE:HD11	2:C:5:LYS:HB3	8	0.28
(1,3554)	2:B:25:ILE:HD13	2:C:5:LYS:HB3	8	0.28
(1,3553)	2:C:25:ILE:HD12	2:C:24:GLU:HB3	5	0.28
(1,3553)	2:C:25:ILE:HD11	2:C:24:GLU:HB3	5	0.28
(1,3553)	2:C:25:ILE:HD13	2:C:24:GLU:HB3	5	0.28
(1,3553)	2:C:25:ILE:HD12	2:C:20:VAL:HB	5	0.28
(1,3553)	2:C:25:ILE:HD11	2:C:20:VAL:HB	5	0.28
(1,3553)	2:C:25:ILE:HD13	2:C:20:VAL:HB	5	0.28
(1,3525)	2:C:6:GLU:HG3	2:C:46:PHE:HD1	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3525)	2:C:6:GLU:HG3	2:C:46:PHE:HD2	6	0.28
(1,3525)	2:C:6:GLU:HG3	2:C:46:PHE:HE1	6	0.28
(1,3525)	2:C:6:GLU:HG3	2:C:46:PHE:HE2	6	0.28
(1,3183)	2:C:12:ILE:HD12	2:C:9:ALA:H	10	0.28
(1,3183)	2:C:12:ILE:HD11	2:C:9:ALA:H	10	0.28
(1,3183)	2:C:12:ILE:HD13	2:C:9:ALA:H	10	0.28
(1,3175)	2:C:7:GLU:H	2:C:4:SER:HB3	2	0.28
(1,3153)	2:C:6:GLU:HG3	2:C:6:GLU:H	2	0.28
(1,3138)	2:B:2:SER:H	2:B:3:ALA:H	3	0.28
(1,3083)	2:C:41:SER:H	2:C:41:SER:HB3	1	0.28
(1,3082)	2:B:41:SER:H	2:B:41:SER:HB3	1	0.28
(1,3082)	2:B:41:SER:H	2:B:41:SER:HB3	2	0.28
(1,3082)	2:B:41:SER:H	2:B:41:SER:HB3	5	0.28
(1,3082)	2:B:41:SER:H	2:B:41:SER:HB3	6	0.28
(1,3082)	2:B:41:SER:H	2:B:41:SER:HB3	9	0.28
(1,2692)	2:B:50:ALA:HB2	2:B:47:GLU:HB2	6	0.28
(1,2692)	2:B:50:ALA:HB1	2:B:47:GLU:HB2	6	0.28
(1,2692)	2:B:50:ALA:HB3	2:B:47:GLU:HB2	6	0.28
(1,2544)	2:B:51:VAL:HG12	2:B:55:LEU:HG	6	0.28
(1,2544)	2:B:51:VAL:HG11	2:B:55:LEU:HG	6	0.28
(1,2544)	2:B:51:VAL:HG13	2:B:55:LEU:HG	6	0.28
(1,2533)	2:C:36:ALA:HB2	2:C:35:VAL:HB	7	0.28
(1,2533)	2:C:36:ALA:HB1	2:C:35:VAL:HB	7	0.28
(1,2533)	2:C:36:ALA:HB3	2:C:35:VAL:HB	7	0.28
(1,2409)	2:C:19:ILE:HG22	2:B:44:PHE:HZ	1	0.28
(1,2409)	2:C:19:ILE:HG21	2:B:44:PHE:HZ	1	0.28
(1,2409)	2:C:19:ILE:HG23	2:B:44:PHE:HZ	1	0.28
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD1	9	0.28
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD2	9	0.28
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD12	1	0.28
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD11	1	0.28
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD13	1	0.28
(1,2192)	2:B:25:ILE:HD12	2:B:30:ALA:HA	7	0.28
(1,2192)	2:B:25:ILE:HD11	2:B:30:ALA:HA	7	0.28
(1,2192)	2:B:25:ILE:HD13	2:B:30:ALA:HA	7	0.28
(1,2152)	2:B:48:ARG:HD3	2:B:48:ARG:HB3	3	0.28
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB2	7	0.28
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB1	7	0.28
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB3	7	0.28
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB2	7	0.28
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB1	7	0.28
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB3	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB2	7	0.28
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB1	7	0.28
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB3	7	0.28
(1,2065)	2:C:55:LEU:HD22	2:C:51:VAL:HB	9	0.28
(1,2065)	2:C:55:LEU:HD21	2:C:51:VAL:HB	9	0.28
(1,2065)	2:C:55:LEU:HD23	2:C:51:VAL:HB	9	0.28
(1,1820)	1:A:129:ASN:HD21	1:A:99:LEU:HD12	10	0.28
(1,1820)	1:A:129:ASN:HD21	1:A:99:LEU:HD11	10	0.28
(1,1820)	1:A:129:ASN:HD21	1:A:99:LEU:HD13	10	0.28
(1,1820)	1:A:129:ASN:HD21	1:A:130:LEU:HD22	10	0.28
(1,1820)	1:A:129:ASN:HD21	1:A:130:LEU:HD21	10	0.28
(1,1820)	1:A:129:ASN:HD21	1:A:130:LEU:HD23	10	0.28
(1,1820)	1:A:151:ASN:HD21	1:A:152:LEU:HD12	10	0.28
(1,1820)	1:A:151:ASN:HD21	1:A:152:LEU:HD11	10	0.28
(1,1820)	1:A:151:ASN:HD21	1:A:152:LEU:HD13	10	0.28
(1,1808)	1:A:99:LEU:HG	1:A:103:GLN:HE22	5	0.28
(1,1808)	1:A:103:GLN:HE22	1:A:114:ILE:HG13	5	0.28
(1,176)	1:A:132:LEU:HD22	1:A:96:ASP:HB2	9	0.28
(1,176)	1:A:132:LEU:HD21	1:A:96:ASP:HB2	9	0.28
(1,176)	1:A:132:LEU:HD23	1:A:96:ASP:HB2	9	0.28
(1,1661)	1:A:149:LYS:HE3	1:A:149:LYS:HD3	1	0.28
(1,1661)	1:A:149:LYS:HB3	1:A:149:LYS:HE3	1	0.28
(1,1661)	1:A:149:LYS:HE3	1:A:149:LYS:HD3	10	0.28
(1,1661)	1:A:149:LYS:HB3	1:A:149:LYS:HE3	10	0.28
(1,1659)	1:A:118:LYS:HB2	1:A:118:LYS:HE3	6	0.28
(1,1659)	1:A:124:LYS:HE2	1:A:124:LYS:HD3	6	0.28
(1,1623)	1:A:126:LEU:HG	1:A:124:LYS:HE3	8	0.28
(1,1623)	1:A:126:LEU:HG	1:A:127:HIS:HB2	8	0.28
(1,1623)	1:A:126:LEU:HG	1:A:134:ASP:HB2	8	0.28
(1,1449)	1:A:78:LEU:HD12	1:A:90:HIS:H	1	0.28
(1,1449)	1:A:78:LEU:HD11	1:A:90:HIS:H	1	0.28
(1,1449)	1:A:78:LEU:HD13	1:A:90:HIS:H	1	0.28
(1,1449)	1:A:135:LEU:HD12	1:A:131:PHE:H	1	0.28
(1,1449)	1:A:135:LEU:HD11	1:A:131:PHE:H	1	0.28
(1,1449)	1:A:135:LEU:HD13	1:A:131:PHE:H	1	0.28
(1,1449)	1:A:78:LEU:HD12	1:A:90:HIS:H	6	0.28
(1,1449)	1:A:78:LEU:HD11	1:A:90:HIS:H	6	0.28
(1,1449)	1:A:78:LEU:HD13	1:A:90:HIS:H	6	0.28
(1,1449)	1:A:135:LEU:HD12	1:A:131:PHE:H	6	0.28
(1,1449)	1:A:135:LEU:HD11	1:A:131:PHE:H	6	0.28
(1,1449)	1:A:135:LEU:HD13	1:A:131:PHE:H	6	0.28
(1,1448)	1:A:78:LEU:HD12	1:A:90:HIS:HE1	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1448)	1:A:78:LEU:HD11	1:A:90:HIS:HE1	7	0.28
(1,1448)	1:A:78:LEU:HD13	1:A:90:HIS:HE1	7	0.28
(1,1448)	1:A:78:LEU:HD12	1:A:104:HIS:HE1	7	0.28
(1,1448)	1:A:78:LEU:HD11	1:A:104:HIS:HE1	7	0.28
(1,1448)	1:A:78:LEU:HD13	1:A:104:HIS:HE1	7	0.28
(1,1392)	1:A:144:ILE:HG12	1:A:144:ILE:H	2	0.28
(1,980)	1:A:101:ILE:HG13	1:A:101:ILE:H	3	0.27
(1,955)	1:A:131:PHE:HB3	1:A:131:PHE:H	4	0.27
(1,955)	1:A:131:PHE:HB3	1:A:131:PHE:H	7	0.27
(1,898)	1:A:85:LYS:HB3	1:A:86:PHE:H	9	0.27
(1,804)	1:A:121:LEU:HD22	1:A:141:ASN:HD21	10	0.27
(1,804)	1:A:121:LEU:HD21	1:A:141:ASN:HD21	10	0.27
(1,804)	1:A:121:LEU:HD23	1:A:141:ASN:HD21	10	0.27
(1,700)	1:A:79:LYS:HE3	1:A:81:ILE:HA	1	0.27
(1,683)	1:A:106:ILE:HG12	1:A:106:ILE:H	5	0.27
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD12	4	0.27
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD11	4	0.27
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD13	4	0.27
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD12	9	0.27
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD11	9	0.27
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD13	9	0.27
(1,647)	1:A:105:LEU:HB3	1:A:111:ALA:HB2	5	0.27
(1,647)	1:A:105:LEU:HB3	1:A:111:ALA:HB1	5	0.27
(1,647)	1:A:105:LEU:HB3	1:A:111:ALA:HB3	5	0.27
(1,547)	1:A:150:PRO:HD3	1:A:149:LYS:HA	8	0.27
(1,535)	1:A:150:PRO:HA	1:A:116:GLU:HG3	3	0.27
(1,4182)	1:A:120:LEU:HD21	2:B:38:ASP:H	4	0.27
(1,4182)	1:A:120:LEU:HD22	2:B:38:ASP:H	4	0.27
(1,4182)	1:A:120:LEU:HD23	2:B:38:ASP:H	4	0.27
(1,4182)	1:A:120:LEU:HD21	2:C:38:ASP:H	4	0.27
(1,4182)	1:A:120:LEU:HD22	2:C:38:ASP:H	4	0.27
(1,4182)	1:A:120:LEU:HD23	2:C:38:ASP:H	4	0.27
(1,4182)	1:A:120:LEU:HD21	2:B:31:ASP:H	4	0.27
(1,4182)	1:A:120:LEU:HD22	2:B:31:ASP:H	4	0.27
(1,4182)	1:A:120:LEU:HD23	2:B:31:ASP:H	4	0.27
(1,4182)	1:A:120:LEU:HD21	2:C:31:ASP:H	4	0.27
(1,4182)	1:A:120:LEU:HD22	2:C:31:ASP:H	4	0.27
(1,4182)	1:A:120:LEU:HD23	2:C:31:ASP:H	4	0.27
(1,4182)	1:A:120:LEU:HD21	2:B:38:ASP:H	8	0.27
(1,4182)	1:A:120:LEU:HD22	2:B:38:ASP:H	8	0.27
(1,4182)	1:A:120:LEU:HD23	2:B:38:ASP:H	8	0.27
(1,4182)	1:A:120:LEU:HD21	2:C:38:ASP:H	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4182)	1:A:120:LEU:HD22	2:C:38:ASP:H	8	0.27
(1,4182)	1:A:120:LEU:HD23	2:C:38:ASP:H	8	0.27
(1,4182)	1:A:120:LEU:HD21	2:B:31:ASP:H	8	0.27
(1,4182)	1:A:120:LEU:HD22	2:B:31:ASP:H	8	0.27
(1,4182)	1:A:120:LEU:HD23	2:B:31:ASP:H	8	0.27
(1,4182)	1:A:120:LEU:HD21	2:C:31:ASP:H	8	0.27
(1,4182)	1:A:120:LEU:HD22	2:C:31:ASP:H	8	0.27
(1,4182)	1:A:120:LEU:HD23	2:C:31:ASP:H	8	0.27
(1,4051)	2:C:54:ILE:HB	2:C:8:ILE:H	7	0.27
(1,4051)	2:C:54:ILE:HB	2:C:50:ALA:H	7	0.27
(1,3935)	2:C:55:LEU:HD12	2:C:6:GLU:HB2	9	0.27
(1,3935)	2:C:55:LEU:HD11	2:C:6:GLU:HB2	9	0.27
(1,3935)	2:C:55:LEU:HD13	2:C:6:GLU:HB2	9	0.27
(1,3935)	2:C:55:LEU:HD12	2:C:7:GLU:HG2	9	0.27
(1,3935)	2:C:55:LEU:HD11	2:C:7:GLU:HG2	9	0.27
(1,3935)	2:C:55:LEU:HD13	2:C:7:GLU:HG2	9	0.27
(1,3683)	2:C:12:ILE:HD12	2:C:16:PHE:HD1	9	0.27
(1,3683)	2:C:12:ILE:HD12	2:C:16:PHE:HD2	9	0.27
(1,3683)	2:C:12:ILE:HD11	2:C:16:PHE:HD1	9	0.27
(1,3683)	2:C:12:ILE:HD11	2:C:16:PHE:HD2	9	0.27
(1,3683)	2:C:12:ILE:HD13	2:C:16:PHE:HD1	9	0.27
(1,3683)	2:C:12:ILE:HD13	2:C:16:PHE:HD2	9	0.27
(1,3683)	2:C:12:ILE:HD12	2:B:16:PHE:HD1	9	0.27
(1,3683)	2:C:12:ILE:HD12	2:B:16:PHE:HD2	9	0.27
(1,3683)	2:C:12:ILE:HD11	2:B:16:PHE:HD1	9	0.27
(1,3683)	2:C:12:ILE:HD11	2:B:16:PHE:HD2	9	0.27
(1,3683)	2:C:12:ILE:HD13	2:B:16:PHE:HD1	9	0.27
(1,3683)	2:C:12:ILE:HD13	2:B:16:PHE:HD2	9	0.27
(1,3421)	2:C:51:VAL:H	2:C:54:ILE:HG12	7	0.27
(1,3420)	2:B:51:VAL:H	2:B:54:ILE:HG12	5	0.27
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD1	9	0.27
(1,3312)	2:B:26:SER:H	2:C:44:PHE:HD2	9	0.27
(1,3152)	2:B:6:GLU:HG3	2:B:6:GLU:H	10	0.27
(1,3107)	2:C:51:VAL:HG22	2:C:52:SER:H	1	0.27
(1,3107)	2:C:51:VAL:HG21	2:C:52:SER:H	1	0.27
(1,3107)	2:C:51:VAL:HG23	2:C:52:SER:H	1	0.27
(1,3107)	2:C:51:VAL:HG22	2:C:52:SER:H	5	0.27
(1,3107)	2:C:51:VAL:HG21	2:C:52:SER:H	5	0.27
(1,3107)	2:C:51:VAL:HG23	2:C:52:SER:H	5	0.27
(1,3106)	2:B:51:VAL:HG22	2:B:52:SER:H	10	0.27
(1,3106)	2:B:51:VAL:HG21	2:B:52:SER:H	10	0.27
(1,3106)	2:B:51:VAL:HG23	2:B:52:SER:H	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3083)	2:C:41:SER:H	2:C:41:SER:HB3	9	0.27
(1,3082)	2:B:41:SER:H	2:B:41:SER:HB3	3	0.27
(1,3082)	2:B:41:SER:H	2:B:41:SER:HB3	8	0.27
(1,3014)	2:B:5:LYS:HG2	2:B:5:LYS:H	1	0.27
(1,2963)	2:C:48:ARG:HG3	2:C:48:ARG:H	6	0.27
(1,2950)	2:B:60:PHE:HD1	2:B:54:ILE:HB	2	0.27
(1,2950)	2:B:60:PHE:HD2	2:B:54:ILE:HB	2	0.27
(1,2790)	2:B:33:LEU:HD12	2:B:19:ILE:HB	3	0.27
(1,2790)	2:B:33:LEU:HD11	2:B:19:ILE:HB	3	0.27
(1,2790)	2:B:33:LEU:HD13	2:B:19:ILE:HB	3	0.27
(1,2694)	2:B:54:ILE:HG22	2:B:46:PHE:HB2	10	0.27
(1,2694)	2:B:54:ILE:HG21	2:B:46:PHE:HB2	10	0.27
(1,2694)	2:B:54:ILE:HG23	2:B:46:PHE:HB2	10	0.27
(1,2641)	2:C:33:LEU:HD12	2:C:20:VAL:HG12	4	0.27
(1,2641)	2:C:33:LEU:HD12	2:C:20:VAL:HG11	4	0.27
(1,2641)	2:C:33:LEU:HD12	2:C:20:VAL:HG13	4	0.27
(1,2641)	2:C:33:LEU:HD11	2:C:20:VAL:HG12	4	0.27
(1,2641)	2:C:33:LEU:HD11	2:C:20:VAL:HG11	4	0.27
(1,2641)	2:C:33:LEU:HD11	2:C:20:VAL:HG13	4	0.27
(1,2641)	2:C:33:LEU:HD13	2:C:20:VAL:HG12	4	0.27
(1,2641)	2:C:33:LEU:HD13	2:C:20:VAL:HG11	4	0.27
(1,2641)	2:C:33:LEU:HD13	2:C:20:VAL:HG13	4	0.27
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG12	8	0.27
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG11	8	0.27
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG13	8	0.27
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG12	8	0.27
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG11	8	0.27
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG13	8	0.27
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG12	8	0.27
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG11	8	0.27
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG13	8	0.27
(1,263)	1:A:80:LYS:HD3	1:A:86:PHE:HE1	2	0.27
(1,263)	1:A:80:LYS:HD3	1:A:86:PHE:HE2	2	0.27
(1,2458)	2:B:15:TYR:HA	2:B:15:TYR:HD1	2	0.27
(1,2458)	2:B:15:TYR:HA	2:B:15:TYR:HD2	2	0.27
(1,2422)	2:B:25:ILE:HD12	2:C:44:PHE:HZ	4	0.27
(1,2422)	2:B:25:ILE:HD11	2:C:44:PHE:HZ	4	0.27
(1,2422)	2:B:25:ILE:HD13	2:C:44:PHE:HZ	4	0.27
(1,2408)	2:B:19:ILE:HG22	2:C:44:PHE:HZ	5	0.27
(1,2408)	2:B:19:ILE:HG21	2:C:44:PHE:HZ	5	0.27
(1,2408)	2:B:19:ILE:HG23	2:C:44:PHE:HZ	5	0.27
(1,2347)	2:C:44:PHE:HB2	2:C:46:PHE:HD1	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2347)	2:C:44:PHE:HB2	2:C:46:PHE:HD2	6	0.27
(1,2309)	2:C:52:SER:HA	2:C:55:LEU:HD12	5	0.27
(1,2309)	2:C:52:SER:HA	2:C:55:LEU:HD11	5	0.27
(1,2309)	2:C:52:SER:HA	2:C:55:LEU:HD13	5	0.27
(1,2226)	2:B:5:LYS:HA	2:B:8:ILE:HG13	10	0.27
(1,2178)	2:B:9:ALA:HA	2:B:12:ILE:HD12	1	0.27
(1,2178)	2:B:9:ALA:HA	2:B:12:ILE:HD11	1	0.27
(1,2178)	2:B:9:ALA:HA	2:B:12:ILE:HD13	1	0.27
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB2	9	0.27
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB1	9	0.27
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB3	9	0.27
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB2	9	0.27
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB1	9	0.27
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB3	9	0.27
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB2	9	0.27
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB1	9	0.27
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB3	9	0.27
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG22	4	0.27
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG21	4	0.27
(1,2083)	2:C:25:ILE:HD12	2:C:19:ILE:HG23	4	0.27
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG22	4	0.27
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG21	4	0.27
(1,2083)	2:C:25:ILE:HD11	2:C:19:ILE:HG23	4	0.27
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG22	4	0.27
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG21	4	0.27
(1,2083)	2:C:25:ILE:HD13	2:C:19:ILE:HG23	4	0.27
(1,2039)	2:C:5:LYS:HB3	2:C:44:PHE:HZ	6	0.27
(1,201)	1:A:144:ILE:HG22	1:A:120:LEU:H	8	0.27
(1,201)	1:A:144:ILE:HG21	1:A:120:LEU:H	8	0.27
(1,201)	1:A:144:ILE:HG23	1:A:120:LEU:H	8	0.27
(1,1855)	2:C:16:PHE:HB2	2:C:16:PHE:H	6	0.27
(1,1350)	1:A:141:ASN:HB3	1:A:141:ASN:HD21	6	0.27
(1,1338)	1:A:99:LEU:HD12	1:A:103:GLN:HE21	9	0.27
(1,1338)	1:A:99:LEU:HD11	1:A:103:GLN:HE21	9	0.27
(1,1338)	1:A:99:LEU:HD13	1:A:103:GLN:HE21	9	0.27
(1,13)	1:A:119:LEU:HD22	1:A:98:ILE:HA	4	0.27
(1,13)	1:A:119:LEU:HD21	1:A:98:ILE:HA	4	0.27
(1,13)	1:A:119:LEU:HD23	1:A:98:ILE:HA	4	0.27
(1,1132)	1:A:126:LEU:H	1:A:126:LEU:HB3	5	0.27
(1,1060)	1:A:116:GLU:HG2	1:A:116:GLU:H	4	0.27
(1,1041)	1:A:108:GLU:HG3	1:A:108:GLU:H	9	0.27
(1,1033)	1:A:106:ILE:HG13	1:A:106:ILE:H	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1011)	1:A:98:ILE:H	1:A:98:ILE:HG12	2	0.27
(1,867)	1:A:145:THR:HG21	1:A:145:THR:H	3	0.26
(1,867)	1:A:145:THR:HG22	1:A:145:THR:H	3	0.26
(1,867)	1:A:145:THR:HG23	1:A:145:THR:H	3	0.26
(1,638)	1:A:132:LEU:HB3	1:A:135:LEU:HD12	10	0.26
(1,638)	1:A:132:LEU:HB3	1:A:135:LEU:HD11	10	0.26
(1,638)	1:A:132:LEU:HB3	1:A:135:LEU:HD13	10	0.26
(1,494)	1:A:98:ILE:HA	1:A:101:ILE:HG12	1	0.26
(1,4182)	1:A:120:LEU:HD21	2:B:38:ASP:H	2	0.26
(1,4182)	1:A:120:LEU:HD22	2:B:38:ASP:H	2	0.26
(1,4182)	1:A:120:LEU:HD23	2:B:38:ASP:H	2	0.26
(1,4182)	1:A:120:LEU:HD21	2:C:38:ASP:H	2	0.26
(1,4182)	1:A:120:LEU:HD22	2:C:38:ASP:H	2	0.26
(1,4182)	1:A:120:LEU:HD23	2:C:38:ASP:H	2	0.26
(1,4182)	1:A:120:LEU:HD21	2:B:31:ASP:H	2	0.26
(1,4182)	1:A:120:LEU:HD22	2:B:31:ASP:H	2	0.26
(1,4182)	1:A:120:LEU:HD23	2:B:31:ASP:H	2	0.26
(1,4182)	1:A:120:LEU:HD21	2:C:31:ASP:H	2	0.26
(1,4182)	1:A:120:LEU:HD22	2:C:31:ASP:H	2	0.26
(1,4182)	1:A:120:LEU:HD23	2:C:31:ASP:H	2	0.26
(1,4182)	1:A:120:LEU:HD21	2:B:38:ASP:H	5	0.26
(1,4182)	1:A:120:LEU:HD22	2:B:38:ASP:H	5	0.26
(1,4182)	1:A:120:LEU:HD23	2:B:38:ASP:H	5	0.26
(1,4182)	1:A:120:LEU:HD21	2:C:38:ASP:H	5	0.26
(1,4182)	1:A:120:LEU:HD22	2:C:38:ASP:H	5	0.26
(1,4182)	1:A:120:LEU:HD23	2:C:38:ASP:H	5	0.26
(1,4182)	1:A:120:LEU:HD21	2:B:31:ASP:H	5	0.26
(1,4182)	1:A:120:LEU:HD22	2:B:31:ASP:H	5	0.26
(1,4182)	1:A:120:LEU:HD23	2:B:31:ASP:H	5	0.26
(1,4182)	1:A:120:LEU:HD21	2:C:31:ASP:H	5	0.26
(1,4182)	1:A:120:LEU:HD22	2:C:31:ASP:H	5	0.26
(1,4182)	1:A:120:LEU:HD23	2:C:31:ASP:H	5	0.26
(1,3971)	2:C:8:ILE:HD12	2:B:60:PHE:HE1	9	0.26
(1,3971)	2:C:8:ILE:HD12	2:B:60:PHE:HE2	9	0.26
(1,3971)	2:C:8:ILE:HD11	2:B:60:PHE:HE1	9	0.26
(1,3971)	2:C:8:ILE:HD11	2:B:60:PHE:HE2	9	0.26
(1,3971)	2:C:8:ILE:HD13	2:B:60:PHE:HE1	9	0.26
(1,3971)	2:C:8:ILE:HD13	2:B:60:PHE:HE2	9	0.26
(1,3971)	2:C:8:ILE:HD12	2:C:44:PHE:HZ	9	0.26
(1,3971)	2:C:8:ILE:HD11	2:C:44:PHE:HZ	9	0.26
(1,3971)	2:C:8:ILE:HD13	2:C:44:PHE:HZ	9	0.26
(1,3971)	2:C:8:ILE:HD12	2:C:60:PHE:HE1	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3971)	2:C:8:ILE:HD12	2:C:60:PHE:HE2	9	0.26
(1,3971)	2:C:8:ILE:HD11	2:C:60:PHE:HE1	9	0.26
(1,3971)	2:C:8:ILE:HD11	2:C:60:PHE:HE2	9	0.26
(1,3971)	2:C:8:ILE:HD13	2:C:60:PHE:HE1	9	0.26
(1,3971)	2:C:8:ILE:HD13	2:C:60:PHE:HE2	9	0.26
(1,3970)	2:B:8:ILE:HD12	2:C:60:PHE:HE1	9	0.26
(1,3970)	2:B:8:ILE:HD12	2:C:60:PHE:HE2	9	0.26
(1,3970)	2:B:8:ILE:HD11	2:C:60:PHE:HE1	9	0.26
(1,3970)	2:B:8:ILE:HD11	2:C:60:PHE:HE2	9	0.26
(1,3970)	2:B:8:ILE:HD13	2:C:60:PHE:HE1	9	0.26
(1,3970)	2:B:8:ILE:HD13	2:C:60:PHE:HE2	9	0.26
(1,3970)	2:B:8:ILE:HD12	2:B:44:PHE:HZ	9	0.26
(1,3970)	2:B:8:ILE:HD11	2:B:44:PHE:HZ	9	0.26
(1,3970)	2:B:8:ILE:HD13	2:B:44:PHE:HZ	9	0.26
(1,3970)	2:B:8:ILE:HD12	2:B:60:PHE:HE1	9	0.26
(1,3970)	2:B:8:ILE:HD12	2:B:60:PHE:HE2	9	0.26
(1,3970)	2:B:8:ILE:HD11	2:B:60:PHE:HE1	9	0.26
(1,3970)	2:B:8:ILE:HD11	2:B:60:PHE:HE2	9	0.26
(1,3970)	2:B:8:ILE:HD13	2:B:60:PHE:HE1	9	0.26
(1,3970)	2:B:8:ILE:HD13	2:B:60:PHE:HE2	9	0.26
(1,3830)	2:B:40:ILE:HD12	2:B:13:VAL:HB	6	0.26
(1,3830)	2:B:40:ILE:HD11	2:B:13:VAL:HB	6	0.26
(1,3830)	2:B:40:ILE:HD13	2:B:13:VAL:HB	6	0.26
(1,3830)	2:B:40:ILE:HD12	2:B:35:VAL:HB	6	0.26
(1,3830)	2:B:40:ILE:HD11	2:B:35:VAL:HB	6	0.26
(1,3830)	2:B:40:ILE:HD13	2:B:35:VAL:HB	6	0.26
(1,3830)	2:B:40:ILE:HD12	2:C:35:VAL:HB	6	0.26
(1,3830)	2:B:40:ILE:HD11	2:C:35:VAL:HB	6	0.26
(1,3830)	2:B:40:ILE:HD13	2:C:35:VAL:HB	6	0.26
(1,3732)	2:B:12:ILE:HD12	2:B:13:VAL:HG22	6	0.26
(1,3732)	2:B:12:ILE:HD12	2:B:13:VAL:HG21	6	0.26
(1,3732)	2:B:12:ILE:HD12	2:B:13:VAL:HG23	6	0.26
(1,3732)	2:B:12:ILE:HD11	2:B:13:VAL:HG22	6	0.26
(1,3732)	2:B:12:ILE:HD11	2:B:13:VAL:HG21	6	0.26
(1,3732)	2:B:12:ILE:HD11	2:B:13:VAL:HG23	6	0.26
(1,3732)	2:B:12:ILE:HD13	2:B:13:VAL:HG22	6	0.26
(1,3732)	2:B:12:ILE:HD13	2:B:13:VAL:HG21	6	0.26
(1,3732)	2:B:12:ILE:HD13	2:B:13:VAL:HG23	6	0.26
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HG22	6	0.26
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HG21	6	0.26
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HG23	6	0.26
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HG22	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HG21	6	0.26
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HG23	6	0.26
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HG22	6	0.26
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HG21	6	0.26
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HG23	6	0.26
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HD12	6	0.26
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HD11	6	0.26
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HD13	6	0.26
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HD12	6	0.26
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HD11	6	0.26
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HD13	6	0.26
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HD12	6	0.26
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HD11	6	0.26
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HD13	6	0.26
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB2	2	0.26
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB1	2	0.26
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB3	2	0.26
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB2	2	0.26
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB1	2	0.26
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB3	2	0.26
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB2	3	0.26
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB1	3	0.26
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB3	3	0.26
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB2	3	0.26
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB1	3	0.26
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB3	3	0.26
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB2	9	0.26
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB1	9	0.26
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB3	9	0.26
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB2	9	0.26
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB1	9	0.26
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB3	9	0.26
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB2	1	0.26
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB1	1	0.26
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB3	1	0.26
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB2	1	0.26
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB1	1	0.26
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB3	1	0.26
(1,3253)	2:C:21:GLU:HB3	2:C:21:GLU:H	3	0.26
(1,3182)	2:B:12:ILE:HD12	2:B:9:ALA:H	7	0.26
(1,3182)	2:B:12:ILE:HD11	2:B:9:ALA:H	7	0.26
(1,3182)	2:B:12:ILE:HD13	2:B:9:ALA:H	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3162)	2:B:6:GLU:HB2	2:B:7:GLU:H	8	0.26
(1,3138)	2:B:2:SER:H	2:B:3:ALA:H	2	0.26
(1,3118)	2:B:48:ARG:HB3	2:B:49:GLU:H	5	0.26
(1,3100)	2:B:23:LYS:HG3	2:B:23:LYS:H	9	0.26
(1,3083)	2:C:41:SER:H	2:C:41:SER:HB3	2	0.26
(1,3083)	2:C:41:SER:H	2:C:41:SER:HB3	4	0.26
(1,3083)	2:C:41:SER:H	2:C:41:SER:HB3	5	0.26
(1,3083)	2:C:41:SER:H	2:C:41:SER:HB3	6	0.26
(1,3083)	2:C:41:SER:H	2:C:41:SER:HB3	7	0.26
(1,3083)	2:C:41:SER:H	2:C:41:SER:HB3	10	0.26
(1,3082)	2:B:41:SER:H	2:B:41:SER:HB3	4	0.26
(1,3082)	2:B:41:SER:H	2:B:41:SER:HB3	10	0.26
(1,3044)	2:B:47:GLU:HB2	2:B:50:ALA:H	6	0.26
(1,2962)	2:B:48:ARG:HG3	2:B:48:ARG:H	10	0.26
(1,2781)	2:C:41:SER:HA	2:C:46:PHE:HE1	3	0.26
(1,2781)	2:C:41:SER:HA	2:C:46:PHE:HE2	3	0.26
(1,2780)	2:B:41:SER:HA	2:B:46:PHE:HE1	8	0.26
(1,2780)	2:B:41:SER:HA	2:B:46:PHE:HE2	8	0.26
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD22	8	0.26
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD21	8	0.26
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD23	8	0.26
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD22	8	0.26
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD21	8	0.26
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD23	8	0.26
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD22	8	0.26
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD21	8	0.26
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD23	8	0.26
(1,2638)	2:B:35:VAL:HG22	2:B:37:MET:HB3	9	0.26
(1,2638)	2:B:35:VAL:HG21	2:B:37:MET:HB3	9	0.26
(1,2638)	2:B:35:VAL:HG23	2:B:37:MET:HB3	9	0.26
(1,2630)	2:B:51:VAL:HB	2:B:55:LEU:HG	6	0.26
(1,261)	1:A:129:ASN:HB2	1:A:129:ASN:HD21	9	0.26
(1,2585)	2:C:49:GLU:HG3	2:C:49:GLU:HA	10	0.26
(1,2550)	2:B:20:VAL:HG12	2:B:19:ILE:HB	7	0.26
(1,2550)	2:B:20:VAL:HG11	2:B:19:ILE:HB	7	0.26
(1,2550)	2:B:20:VAL:HG13	2:B:19:ILE:HB	7	0.26
(1,2534)	2:B:36:ALA:HB2	2:C:40:ILE:HG13	5	0.26
(1,2534)	2:B:36:ALA:HB1	2:C:40:ILE:HG13	5	0.26
(1,2534)	2:B:36:ALA:HB3	2:C:40:ILE:HG13	5	0.26
(1,2533)	2:C:36:ALA:HB2	2:C:35:VAL:HB	10	0.26
(1,2533)	2:C:36:ALA:HB1	2:C:35:VAL:HB	10	0.26
(1,2533)	2:C:36:ALA:HB3	2:C:35:VAL:HB	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2520)	2:B:51:VAL:HA	2:B:54:ILE:HD12	4	0.26
(1,2520)	2:B:51:VAL:HA	2:B:54:ILE:HD11	4	0.26
(1,2520)	2:B:51:VAL:HA	2:B:54:ILE:HD13	4	0.26
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD12	10	0.26
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD11	10	0.26
(1,2246)	2:B:11:LEU:HA	2:B:12:ILE:HD13	10	0.26
(1,2245)	2:C:55:LEU:HD22	2:C:11:LEU:HA	4	0.26
(1,2245)	2:C:55:LEU:HD21	2:C:11:LEU:HA	4	0.26
(1,2245)	2:C:55:LEU:HD23	2:C:11:LEU:HA	4	0.26
(1,2208)	2:B:23:LYS:HD2	2:B:23:LYS:HA	6	0.26
(1,2208)	2:B:23:LYS:HD3	2:B:23:LYS:HA	6	0.26
(1,2193)	2:C:25:ILE:HD12	2:C:30:ALA:HA	4	0.26
(1,2193)	2:C:25:ILE:HD11	2:C:30:ALA:HA	4	0.26
(1,2193)	2:C:25:ILE:HD13	2:C:30:ALA:HA	4	0.26
(1,180)	1:A:132:LEU:HD12	1:A:96:ASP:HB2	9	0.26
(1,180)	1:A:132:LEU:HD11	1:A:96:ASP:HB2	9	0.26
(1,180)	1:A:132:LEU:HD13	1:A:96:ASP:HB2	9	0.26
(1,1759)	1:A:153:GLU:H	1:A:153:GLU:HG2	10	0.26
(1,1759)	1:A:153:GLU:H	1:A:153:GLU:HG3	10	0.26
(1,1452)	1:A:105:LEU:HD22	1:A:90:HIS:HE1	7	0.26
(1,1452)	1:A:105:LEU:HD21	1:A:90:HIS:HE1	7	0.26
(1,1452)	1:A:105:LEU:HD23	1:A:90:HIS:HE1	7	0.26
(1,1452)	1:A:78:LEU:HD22	1:A:90:HIS:HE1	7	0.26
(1,1452)	1:A:78:LEU:HD21	1:A:90:HIS:HE1	7	0.26
(1,1452)	1:A:78:LEU:HD23	1:A:90:HIS:HE1	7	0.26
(1,1346)	1:A:141:ASN:HD22	1:A:138:THR:HG21	5	0.26
(1,1346)	1:A:141:ASN:HD22	1:A:138:THR:HG22	5	0.26
(1,1346)	1:A:141:ASN:HD22	1:A:138:THR:HG23	5	0.26
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD12	9	0.26
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD11	9	0.26
(1,1328)	1:A:100:GLN:HE21	1:A:99:LEU:HD13	9	0.26
(1,13)	1:A:119:LEU:HD22	1:A:98:ILE:HA	3	0.26
(1,13)	1:A:119:LEU:HD21	1:A:98:ILE:HA	3	0.26
(1,13)	1:A:119:LEU:HD23	1:A:98:ILE:HA	3	0.26
(1,118)	1:A:97:THR:HG21	1:A:97:THR:H	7	0.26
(1,118)	1:A:97:THR:HG22	1:A:97:THR:H	7	0.26
(1,118)	1:A:97:THR:HG23	1:A:97:THR:H	7	0.26
(1,118)	1:A:97:THR:HG21	1:A:97:THR:H	10	0.26
(1,118)	1:A:97:THR:HG22	1:A:97:THR:H	10	0.26
(1,118)	1:A:97:THR:HG23	1:A:97:THR:H	10	0.26
(1,1160)	1:A:152:LEU:H	1:A:150:PRO:HB2	2	0.26
(1,1139)	1:A:82:GLN:HG3	1:A:82:GLN:H	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1114)	1:A:114:ILE:H	1:A:114:ILE:HG22	9	0.26
(1,1114)	1:A:114:ILE:H	1:A:114:ILE:HG21	9	0.26
(1,1114)	1:A:114:ILE:H	1:A:114:ILE:HG23	9	0.26
(1,1060)	1:A:116:GLU:HG2	1:A:116:GLU:H	9	0.26
(3,140)	2:C:38:ASP:N	2:C:34:ASN:O	4	0.25
(1,809)	1:A:126:LEU:HB2	1:A:126:LEU:H	7	0.25
(1,791)	1:A:136:LYS:HG3	1:A:136:LYS:HE3	9	0.25
(1,749)	1:A:124:LYS:HG2	1:A:125:VAL:HA	2	0.25
(1,697)	1:A:79:LYS:HE3	1:A:79:LYS:HG3	2	0.25
(1,655)	1:A:81:ILE:HG12	1:A:145:THR:HA	1	0.25
(1,494)	1:A:98:ILE:HA	1:A:101:ILE:HG12	10	0.25
(1,440)	1:A:83:ALA:HA	1:A:85:LYS:HE3	1	0.25
(1,4189)	1:A:124:LYS:H	2:B:31:ASP:H	3	0.25
(1,4189)	1:A:124:LYS:H	2:C:31:ASP:H	3	0.25
(1,4189)	1:A:124:LYS:H	2:B:38:ASP:H	3	0.25
(1,4189)	1:A:124:LYS:H	2:C:38:ASP:H	3	0.25
(1,4189)	1:A:124:LYS:H	2:B:31:ASP:H	7	0.25
(1,4189)	1:A:124:LYS:H	2:C:31:ASP:H	7	0.25
(1,4189)	1:A:124:LYS:H	2:B:38:ASP:H	7	0.25
(1,4189)	1:A:124:LYS:H	2:C:38:ASP:H	7	0.25
(1,4189)	1:A:124:LYS:H	2:B:31:ASP:H	9	0.25
(1,4189)	1:A:124:LYS:H	2:C:31:ASP:H	9	0.25
(1,4189)	1:A:124:LYS:H	2:B:38:ASP:H	9	0.25
(1,4189)	1:A:124:LYS:H	2:C:38:ASP:H	9	0.25
(1,418)	1:A:136:LYS:HG2	1:A:136:LYS:H	7	0.25
(1,4050)	2:B:54:ILE:HB	2:B:8:ILE:H	4	0.25
(1,4050)	2:B:54:ILE:HB	2:B:50:ALA:H	4	0.25
(1,3874)	2:B:15:TYR:HA	2:B:12:ILE:HD12	8	0.25
(1,3874)	2:B:15:TYR:HA	2:B:12:ILE:HD11	8	0.25
(1,3874)	2:B:15:TYR:HA	2:B:12:ILE:HD13	8	0.25
(1,3874)	2:B:15:TYR:HA	2:C:12:ILE:HD12	8	0.25
(1,3874)	2:B:15:TYR:HA	2:C:12:ILE:HD11	8	0.25
(1,3874)	2:B:15:TYR:HA	2:C:12:ILE:HD13	8	0.25
(1,3814)	2:B:5:LYS:HG2	2:B:5:LYS:H	2	0.25
(1,3814)	2:B:5:LYS:HG2	2:B:6:GLU:H	2	0.25
(1,3708)	2:B:4:SER:HB2	2:B:5:LYS:H	6	0.25
(1,3708)	2:B:26:SER:HB2	2:B:27:GLU:H	6	0.25
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB2	2	0.25
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB1	2	0.25
(1,3626)	2:B:41:SER:HB3	2:B:9:ALA:HB3	2	0.25
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB2	2	0.25
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB1	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3626)	2:B:41:SER:HB3	2:B:43:ALA:HB3	2	0.25
(1,3554)	2:B:25:ILE:HD12	2:B:19:ILE:HB	1	0.25
(1,3554)	2:B:25:ILE:HD11	2:B:19:ILE:HB	1	0.25
(1,3554)	2:B:25:ILE:HD13	2:B:19:ILE:HB	1	0.25
(1,3554)	2:B:25:ILE:HD12	2:C:5:LYS:HB3	1	0.25
(1,3554)	2:B:25:ILE:HD11	2:C:5:LYS:HB3	1	0.25
(1,3554)	2:B:25:ILE:HD13	2:C:5:LYS:HB3	1	0.25
(1,3544)	2:B:51:VAL:HG22	2:B:47:GLU:HB2	2	0.25
(1,3544)	2:B:51:VAL:HG21	2:B:47:GLU:HB2	2	0.25
(1,3544)	2:B:51:VAL:HG23	2:B:47:GLU:HB2	2	0.25
(1,3544)	2:B:51:VAL:HG22	2:B:48:ARG:HB3	2	0.25
(1,3544)	2:B:51:VAL:HG21	2:B:48:ARG:HB3	2	0.25
(1,3544)	2:B:51:VAL:HG23	2:B:48:ARG:HB3	2	0.25
(1,3421)	2:C:51:VAL:H	2:C:54:ILE:HG12	10	0.25
(1,3174)	2:B:7:GLU:H	2:B:4:SER:HB3	8	0.25
(1,3158)	2:B:42:GLU:HB3	2:B:42:GLU:H	7	0.25
(1,3158)	2:B:42:GLU:HB3	2:B:42:GLU:H	10	0.25
(1,3083)	2:C:41:SER:H	2:C:41:SER:HB3	8	0.25
(1,3008)	2:B:4:SER:HB2	2:B:5:LYS:H	2	0.25
(1,3)	1:A:120:LEU:HD12	1:A:119:LEU:H	9	0.25
(1,3)	1:A:120:LEU:HD11	1:A:119:LEU:H	9	0.25
(1,3)	1:A:120:LEU:HD13	1:A:119:LEU:H	9	0.25
(1,2950)	2:B:60:PHE:HD1	2:B:54:ILE:HB	8	0.25
(1,2950)	2:B:60:PHE:HD2	2:B:54:ILE:HB	8	0.25
(1,2946)	2:B:44:PHE:HB2	2:B:46:PHE:HE1	10	0.25
(1,2946)	2:B:44:PHE:HB2	2:B:46:PHE:HE2	10	0.25
(1,2845)	2:C:64:HIS:HB2	2:C:64:HIS:H	4	0.25
(1,2805)	2:C:52:SER:HB3	2:B:68:ILE:HG22	1	0.25
(1,2805)	2:C:52:SER:HB3	2:B:68:ILE:HG21	1	0.25
(1,2805)	2:C:52:SER:HB3	2:B:68:ILE:HG23	1	0.25
(1,2780)	2:B:41:SER:HA	2:B:46:PHE:HE1	2	0.25
(1,2780)	2:B:41:SER:HA	2:B:46:PHE:HE2	2	0.25
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG12	3	0.25
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG11	3	0.25
(1,2640)	2:B:33:LEU:HD12	2:B:20:VAL:HG13	3	0.25
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG12	3	0.25
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG11	3	0.25
(1,2640)	2:B:33:LEU:HD11	2:B:20:VAL:HG13	3	0.25
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG12	3	0.25
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG11	3	0.25
(1,2640)	2:B:33:LEU:HD13	2:B:20:VAL:HG13	3	0.25
(1,2594)	2:B:57:LYS:HB3	2:C:68:ILE:HG13	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2552)	2:B:35:VAL:HG12	2:B:37:MET:HB3	3	0.25
(1,2552)	2:B:35:VAL:HG11	2:B:37:MET:HB3	3	0.25
(1,2552)	2:B:35:VAL:HG13	2:B:37:MET:HB3	3	0.25
(1,2534)	2:B:36:ALA:HB2	2:C:40:ILE:HG13	6	0.25
(1,2534)	2:B:36:ALA:HB1	2:C:40:ILE:HG13	6	0.25
(1,2534)	2:B:36:ALA:HB3	2:C:40:ILE:HG13	6	0.25
(1,2501)	2:C:25:ILE:HG22	2:C:20:VAL:HB	8	0.25
(1,2501)	2:C:25:ILE:HG21	2:C:20:VAL:HB	8	0.25
(1,2501)	2:C:25:ILE:HG23	2:C:20:VAL:HB	8	0.25
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG22	7	0.25
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG21	7	0.25
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG23	7	0.25
(1,2415)	2:C:40:ILE:HD12	2:C:40:ILE:H	2	0.25
(1,2415)	2:C:40:ILE:HD11	2:C:40:ILE:H	2	0.25
(1,2415)	2:C:40:ILE:HD13	2:C:40:ILE:H	2	0.25
(1,2298)	2:B:19:ILE:HA	2:B:22:LYS:HD3	7	0.25
(1,2270)	2:B:20:VAL:HA	2:B:25:ILE:HG22	9	0.25
(1,2270)	2:B:20:VAL:HA	2:B:25:ILE:HG21	9	0.25
(1,2270)	2:B:20:VAL:HA	2:B:25:ILE:HG23	9	0.25
(1,2183)	2:C:9:ALA:HA	2:C:40:ILE:HG22	5	0.25
(1,2183)	2:C:9:ALA:HA	2:C:40:ILE:HG21	5	0.25
(1,2183)	2:C:9:ALA:HA	2:C:40:ILE:HG23	5	0.25
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB2	4	0.25
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB1	4	0.25
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB3	4	0.25
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB2	4	0.25
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB1	4	0.25
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB3	4	0.25
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB2	4	0.25
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB1	4	0.25
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB3	4	0.25
(1,1856)	2:B:16:PHE:HB3	2:B:37:MET:HE2	8	0.25
(1,1856)	2:B:16:PHE:HB3	2:B:37:MET:HE1	8	0.25
(1,1856)	2:B:16:PHE:HB3	2:B:37:MET:HE3	8	0.25
(1,1854)	2:B:16:PHE:HB2	2:B:16:PHE:H	7	0.25
(1,1760)	1:A:152:LEU:HB2	1:A:153:GLU:H	4	0.25
(1,1760)	1:A:152:LEU:HB3	1:A:153:GLU:H	4	0.25
(1,150)	1:A:78:LEU:HD12	1:A:92:PHE:HZ	3	0.25
(1,150)	1:A:78:LEU:HD11	1:A:92:PHE:HZ	3	0.25
(1,150)	1:A:78:LEU:HD13	1:A:92:PHE:HZ	3	0.25
(1,1411)	1:A:116:GLU:HG3	1:A:151:ASN:H	7	0.25
(1,1159)	1:A:152:LEU:HG	1:A:152:LEU:H	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1159)	1:A:152:LEU:HG	1:A:152:LEU:H	9	0.25
(1,1157)	1:A:152:LEU:HA	1:A:152:LEU:H	6	0.25
(3,140)	2:C:38:ASP:N	2:C:34:ASN:O	10	0.24
(1,809)	1:A:126:LEU:HB2	1:A:126:LEU:H	6	0.24
(1,809)	1:A:126:LEU:HB2	1:A:126:LEU:H	9	0.24
(1,697)	1:A:79:LYS:HE3	1:A:79:LYS:HG3	9	0.24
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD12	2	0.24
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD11	2	0.24
(1,669)	1:A:103:GLN:HG3	1:A:99:LEU:HD13	2	0.24
(1,585)	1:A:91:ASP:HB3	1:A:92:PHE:HA	1	0.24
(1,47)	1:A:88:ILE:HD12	1:A:105:LEU:HA	5	0.24
(1,47)	1:A:88:ILE:HD11	1:A:105:LEU:HA	5	0.24
(1,47)	1:A:88:ILE:HD13	1:A:105:LEU:HA	5	0.24
(1,4051)	2:C:54:ILE:HB	2:C:8:ILE:H	8	0.24
(1,4051)	2:C:54:ILE:HB	2:C:50:ALA:H	8	0.24
(1,4008)	2:B:44:PHE:HZ	2:C:19:ILE:HG22	9	0.24
(1,4008)	2:B:44:PHE:HZ	2:C:19:ILE:HG21	9	0.24
(1,4008)	2:B:44:PHE:HZ	2:C:19:ILE:HG23	9	0.24
(1,4008)	2:B:16:PHE:HZ	2:C:12:ILE:HG22	9	0.24
(1,4008)	2:B:16:PHE:HZ	2:C:12:ILE:HG21	9	0.24
(1,4008)	2:B:16:PHE:HZ	2:C:12:ILE:HG23	9	0.24
(1,3934)	2:B:55:LEU:HD12	2:B:6:GLU:HB2	7	0.24
(1,3934)	2:B:55:LEU:HD11	2:B:6:GLU:HB2	7	0.24
(1,3934)	2:B:55:LEU:HD13	2:B:6:GLU:HB2	7	0.24
(1,3934)	2:B:55:LEU:HD12	2:B:7:GLU:HG2	7	0.24
(1,3934)	2:B:55:LEU:HD11	2:B:7:GLU:HG2	7	0.24
(1,3934)	2:B:55:LEU:HD13	2:B:7:GLU:HG2	7	0.24
(1,3932)	2:B:18:SER:HB3	2:B:15:TYR:HB3	1	0.24
(1,3932)	2:B:18:SER:HB3	2:B:22:LYS:HE3	1	0.24
(1,383)	1:A:90:HIS:HB3	1:A:92:PHE:HE1	9	0.24
(1,383)	1:A:90:HIS:HB3	1:A:92:PHE:HE2	9	0.24
(1,3814)	2:B:5:LYS:HG2	2:B:5:LYS:H	8	0.24
(1,3814)	2:B:5:LYS:HG2	2:B:6:GLU:H	8	0.24
(1,3555)	2:C:25:ILE:HD12	2:C:19:ILE:HB	1	0.24
(1,3555)	2:C:25:ILE:HD11	2:C:19:ILE:HB	1	0.24
(1,3555)	2:C:25:ILE:HD13	2:C:19:ILE:HB	1	0.24
(1,3555)	2:C:25:ILE:HD12	2:B:5:LYS:HB3	1	0.24
(1,3555)	2:C:25:ILE:HD11	2:B:5:LYS:HB3	1	0.24
(1,3555)	2:C:25:ILE:HD13	2:B:5:LYS:HB3	1	0.24
(1,3233)	2:C:72:ALA:H	2:C:72:ALA:HB2	4	0.24
(1,3233)	2:C:72:ALA:H	2:C:72:ALA:HB1	4	0.24
(1,3233)	2:C:72:ALA:H	2:C:72:ALA:HB3	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2950)	2:B:60:PHE:HD1	2:B:54:ILE:HB	6	0.24
(1,2950)	2:B:60:PHE:HD2	2:B:54:ILE:HB	6	0.24
(1,266)	1:A:114:ILE:HG12	1:A:114:ILE:H	1	0.24
(1,2614)	2:B:13:VAL:HG12	2:B:48:ARG:HG2	2	0.24
(1,2614)	2:B:13:VAL:HG11	2:B:48:ARG:HG2	2	0.24
(1,2614)	2:B:13:VAL:HG13	2:B:48:ARG:HG2	2	0.24
(1,2553)	2:C:35:VAL:HG12	2:C:37:MET:HB3	8	0.24
(1,2553)	2:C:35:VAL:HG11	2:C:37:MET:HB3	8	0.24
(1,2553)	2:C:35:VAL:HG13	2:C:37:MET:HB3	8	0.24
(1,2550)	2:B:20:VAL:HG12	2:B:19:ILE:HB	1	0.24
(1,2550)	2:B:20:VAL:HG11	2:B:19:ILE:HB	1	0.24
(1,2550)	2:B:20:VAL:HG13	2:B:19:ILE:HB	1	0.24
(1,2534)	2:B:36:ALA:HB2	2:C:40:ILE:HG13	3	0.24
(1,2534)	2:B:36:ALA:HB1	2:C:40:ILE:HG13	3	0.24
(1,2534)	2:B:36:ALA:HB3	2:C:40:ILE:HG13	3	0.24
(1,2357)	2:C:49:GLU:HG2	2:C:49:GLU:H	9	0.24
(1,235)	1:A:118:LYS:HB3	1:A:118:LYS:HE3	7	0.24
(1,2347)	2:C:44:PHE:HB2	2:C:46:PHE:HD1	10	0.24
(1,2347)	2:C:44:PHE:HB2	2:C:46:PHE:HD2	10	0.24
(1,2271)	2:C:20:VAL:HA	2:C:25:ILE:HG22	1	0.24
(1,2271)	2:C:20:VAL:HA	2:C:25:ILE:HG21	1	0.24
(1,2271)	2:C:20:VAL:HA	2:C:25:ILE:HG23	1	0.24
(1,2153)	2:C:48:ARG:HD3	2:C:48:ARG:HB3	5	0.24
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB2	5	0.24
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB1	5	0.24
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB3	5	0.24
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB2	5	0.24
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB1	5	0.24
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB3	5	0.24
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB2	5	0.24
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB1	5	0.24
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB3	5	0.24
(1,1820)	1:A:129:ASN:HD21	1:A:99:LEU:HD12	2	0.24
(1,1820)	1:A:129:ASN:HD21	1:A:99:LEU:HD11	2	0.24
(1,1820)	1:A:129:ASN:HD21	1:A:99:LEU:HD13	2	0.24
(1,1820)	1:A:129:ASN:HD21	1:A:130:LEU:HD22	2	0.24
(1,1820)	1:A:129:ASN:HD21	1:A:130:LEU:HD21	2	0.24
(1,1820)	1:A:129:ASN:HD21	1:A:130:LEU:HD23	2	0.24
(1,1820)	1:A:151:ASN:HD21	1:A:152:LEU:HD12	2	0.24
(1,1820)	1:A:151:ASN:HD21	1:A:152:LEU:HD11	2	0.24
(1,1820)	1:A:151:ASN:HD21	1:A:152:LEU:HD13	2	0.24
(1,1819)	1:A:151:ASN:HD21	1:A:116:GLU:HG2	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1819)	1:A:151:ASN:HD21	1:A:150:PRO:HB2	2	0.24
(1,180)	1:A:132:LEU:HD12	1:A:96:ASP:HB2	4	0.24
(1,180)	1:A:132:LEU:HD11	1:A:96:ASP:HB2	4	0.24
(1,180)	1:A:132:LEU:HD13	1:A:96:ASP:HB2	4	0.24
(1,1545)	1:A:135:LEU:HA	1:A:124:LYS:HE3	4	0.24
(1,1545)	1:A:135:LEU:HA	1:A:134:ASP:HB2	4	0.24
(1,1545)	1:A:136:LYS:HA	1:A:136:LYS:HE3	4	0.24
(1,1496)	1:A:112:SER:HB3	1:A:113:HIS:H	5	0.24
(1,1496)	1:A:114:ILE:HA	1:A:116:GLU:H	5	0.24
(1,1338)	1:A:99:LEU:HD12	1:A:103:GLN:HE21	1	0.24
(1,1338)	1:A:99:LEU:HD11	1:A:103:GLN:HE21	1	0.24
(1,1338)	1:A:99:LEU:HD13	1:A:103:GLN:HE21	1	0.24
(1,1319)	1:A:82:GLN:HG3	1:A:82:GLN:HE21	8	0.24
(1,1287)	1:A:127:HIS:H	1:A:130:LEU:HD22	3	0.24
(1,1287)	1:A:127:HIS:H	1:A:130:LEU:HD21	3	0.24
(1,1287)	1:A:127:HIS:H	1:A:130:LEU:HD23	3	0.24
(1,1287)	1:A:127:HIS:H	1:A:130:LEU:HD22	8	0.24
(1,1287)	1:A:127:HIS:H	1:A:130:LEU:HD21	8	0.24
(1,1287)	1:A:127:HIS:H	1:A:130:LEU:HD23	8	0.24
(1,1157)	1:A:152:LEU:HA	1:A:152:LEU:H	5	0.24
(1,1132)	1:A:126:LEU:H	1:A:126:LEU:HB3	4	0.24
(1,1132)	1:A:126:LEU:H	1:A:126:LEU:HB3	8	0.24
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG22	2	0.24
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG21	2	0.24
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG23	2	0.24
(1,101)	1:A:77:THR:HG21	1:A:87:SER:HB3	7	0.24
(1,101)	1:A:77:THR:HG22	1:A:87:SER:HB3	7	0.24
(1,101)	1:A:77:THR:HG23	1:A:87:SER:HB3	7	0.24
(3,140)	2:C:38:ASP:N	2:C:34:ASN:O	7	0.23
(1,958)	1:A:121:LEU:H	1:A:126:LEU:HB3	10	0.23
(1,955)	1:A:131:PHE:HB3	1:A:131:PHE:H	3	0.23
(1,809)	1:A:126:LEU:HB2	1:A:126:LEU:H	8	0.23
(1,661)	1:A:76:LEU:HD22	1:A:76:LEU:HA	7	0.23
(1,661)	1:A:76:LEU:HD21	1:A:76:LEU:HA	7	0.23
(1,661)	1:A:76:LEU:HD23	1:A:76:LEU:HA	7	0.23
(1,655)	1:A:81:ILE:HG12	1:A:145:THR:HA	4	0.23
(1,461)	1:A:96:ASP:HA	1:A:97:THR:HG21	6	0.23
(1,461)	1:A:96:ASP:HA	1:A:97:THR:HG22	6	0.23
(1,461)	1:A:96:ASP:HA	1:A:97:THR:HG23	6	0.23
(1,3929)	2:C:39:CYS:HB2	2:B:35:VAL:HB	7	0.23
(1,3929)	2:C:39:CYS:HB3	2:B:35:VAL:HB	7	0.23
(1,3929)	2:C:39:CYS:HB2	2:C:35:VAL:HB	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3929)	2:C:39:CYS:HB3	2:C:35:VAL:HB	7	0.23
(1,3877)	2:C:13:VAL:HA	2:C:37:MET:HB2	1	0.23
(1,3877)	2:C:13:VAL:HA	2:C:37:MET:HG2	1	0.23
(1,3875)	2:C:15:TYR:HA	2:C:12:ILE:HD12	10	0.23
(1,3875)	2:C:15:TYR:HA	2:C:12:ILE:HD11	10	0.23
(1,3875)	2:C:15:TYR:HA	2:C:12:ILE:HD13	10	0.23
(1,3875)	2:C:15:TYR:HA	2:B:12:ILE:HD12	10	0.23
(1,3875)	2:C:15:TYR:HA	2:B:12:ILE:HD11	10	0.23
(1,3875)	2:C:15:TYR:HA	2:B:12:ILE:HD13	10	0.23
(1,3831)	2:C:40:ILE:HD12	2:C:13:VAL:HB	2	0.23
(1,3831)	2:C:40:ILE:HD11	2:C:13:VAL:HB	2	0.23
(1,3831)	2:C:40:ILE:HD13	2:C:13:VAL:HB	2	0.23
(1,3831)	2:C:40:ILE:HD12	2:C:35:VAL:HB	2	0.23
(1,3831)	2:C:40:ILE:HD11	2:C:35:VAL:HB	2	0.23
(1,3831)	2:C:40:ILE:HD13	2:C:35:VAL:HB	2	0.23
(1,3831)	2:C:40:ILE:HD12	2:B:35:VAL:HB	2	0.23
(1,3831)	2:C:40:ILE:HD11	2:B:35:VAL:HB	2	0.23
(1,3831)	2:C:40:ILE:HD13	2:B:35:VAL:HB	2	0.23
(1,3814)	2:B:5:LYS:HG2	2:B:5:LYS:H	9	0.23
(1,3814)	2:B:5:LYS:HG2	2:B:6:GLU:H	9	0.23
(1,3780)	2:B:13:VAL:HG22	2:B:16:PHE:HE1	7	0.23
(1,3780)	2:B:13:VAL:HG22	2:B:16:PHE:HE2	7	0.23
(1,3780)	2:B:13:VAL:HG21	2:B:16:PHE:HE1	7	0.23
(1,3780)	2:B:13:VAL:HG21	2:B:16:PHE:HE2	7	0.23
(1,3780)	2:B:13:VAL:HG23	2:B:16:PHE:HE1	7	0.23
(1,3780)	2:B:13:VAL:HG23	2:B:16:PHE:HE2	7	0.23
(1,3780)	2:B:13:VAL:HG22	2:C:16:PHE:HE1	7	0.23
(1,3780)	2:B:13:VAL:HG22	2:C:16:PHE:HE2	7	0.23
(1,3780)	2:B:13:VAL:HG21	2:C:16:PHE:HE1	7	0.23
(1,3780)	2:B:13:VAL:HG21	2:C:16:PHE:HE2	7	0.23
(1,3780)	2:B:13:VAL:HG23	2:C:16:PHE:HE1	7	0.23
(1,3780)	2:B:13:VAL:HG23	2:C:16:PHE:HE2	7	0.23
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB2	1	0.23
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB1	1	0.23
(1,3627)	2:C:41:SER:HB3	2:C:9:ALA:HB3	1	0.23
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB2	1	0.23
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB1	1	0.23
(1,3627)	2:C:41:SER:HB3	2:C:43:ALA:HB3	1	0.23
(1,358)	1:A:95:SER:HB2	1:A:131:PHE:HD1	6	0.23
(1,358)	1:A:95:SER:HB2	1:A:131:PHE:HD2	6	0.23
(1,3253)	2:C:21:GLU:HB3	2:C:21:GLU:H	5	0.23
(1,3164)	2:B:7:GLU:H	2:B:7:GLU:HG3	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3163)	2:C:6:GLU:HB2	2:C:7:GLU:H	10	0.23
(1,3153)	2:C:6:GLU:HG3	2:C:6:GLU:H	4	0.23
(1,3153)	2:C:6:GLU:HG3	2:C:6:GLU:H	9	0.23
(1,2963)	2:C:48:ARG:HG3	2:C:48:ARG:H	1	0.23
(1,2947)	2:C:44:PHE:HB2	2:C:46:PHE:HE1	10	0.23
(1,2947)	2:C:44:PHE:HB2	2:C:46:PHE:HE2	10	0.23
(1,2780)	2:B:41:SER:HA	2:B:46:PHE:HE1	7	0.23
(1,2780)	2:B:41:SER:HA	2:B:46:PHE:HE2	7	0.23
(1,2775)	2:C:71:SER:HB3	2:C:68:ILE:H	9	0.23
(1,2743)	2:C:29:GLY:HA2	2:B:43:ALA:HB2	8	0.23
(1,2743)	2:C:29:GLY:HA2	2:B:43:ALA:HB1	8	0.23
(1,2743)	2:C:29:GLY:HA2	2:B:43:ALA:HB3	8	0.23
(1,2692)	2:B:50:ALA:HB2	2:B:47:GLU:HB2	3	0.23
(1,2692)	2:B:50:ALA:HB1	2:B:47:GLU:HB2	3	0.23
(1,2692)	2:B:50:ALA:HB3	2:B:47:GLU:HB2	3	0.23
(1,2639)	2:C:35:VAL:HG22	2:C:37:MET:HB3	7	0.23
(1,2639)	2:C:35:VAL:HG21	2:C:37:MET:HB3	7	0.23
(1,2639)	2:C:35:VAL:HG23	2:C:37:MET:HB3	7	0.23
(1,2551)	2:C:20:VAL:HG12	2:C:19:ILE:HB	2	0.23
(1,2551)	2:C:20:VAL:HG11	2:C:19:ILE:HB	2	0.23
(1,2551)	2:C:20:VAL:HG13	2:C:19:ILE:HB	2	0.23
(1,2551)	2:C:20:VAL:HG12	2:C:19:ILE:HB	8	0.23
(1,2551)	2:C:20:VAL:HG11	2:C:19:ILE:HB	8	0.23
(1,2551)	2:C:20:VAL:HG13	2:C:19:ILE:HB	8	0.23
(1,2532)	2:B:36:ALA:HB2	2:B:35:VAL:HB	1	0.23
(1,2532)	2:B:36:ALA:HB1	2:B:35:VAL:HB	1	0.23
(1,2532)	2:B:36:ALA:HB3	2:B:35:VAL:HB	1	0.23
(1,2521)	2:C:51:VAL:HA	2:C:54:ILE:HD12	8	0.23
(1,2521)	2:C:51:VAL:HA	2:C:54:ILE:HD11	8	0.23
(1,2521)	2:C:51:VAL:HA	2:C:54:ILE:HD13	8	0.23
(1,2475)	2:C:12:ILE:HG22	2:C:40:ILE:HD12	2	0.23
(1,2475)	2:C:12:ILE:HG22	2:C:40:ILE:HD11	2	0.23
(1,2475)	2:C:12:ILE:HG22	2:C:40:ILE:HD13	2	0.23
(1,2475)	2:C:12:ILE:HG21	2:C:40:ILE:HD12	2	0.23
(1,2475)	2:C:12:ILE:HG21	2:C:40:ILE:HD11	2	0.23
(1,2475)	2:C:12:ILE:HG21	2:C:40:ILE:HD13	2	0.23
(1,2475)	2:C:12:ILE:HG23	2:C:40:ILE:HD12	2	0.23
(1,2475)	2:C:12:ILE:HG23	2:C:40:ILE:HD11	2	0.23
(1,2475)	2:C:12:ILE:HG23	2:C:40:ILE:HD13	2	0.23
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD1	4	0.23
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD2	4	0.23
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD1	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD2	10	0.23
(1,2270)	2:B:20:VAL:HA	2:B:25:ILE:HG22	10	0.23
(1,2270)	2:B:20:VAL:HA	2:B:25:ILE:HG21	10	0.23
(1,2270)	2:B:20:VAL:HA	2:B:25:ILE:HG23	10	0.23
(1,1855)	2:C:16:PHE:HB2	2:C:16:PHE:H	7	0.23
(1,180)	1:A:132:LEU:HD12	1:A:96:ASP:HB2	5	0.23
(1,180)	1:A:132:LEU:HD11	1:A:96:ASP:HB2	5	0.23
(1,180)	1:A:132:LEU:HD13	1:A:96:ASP:HB2	5	0.23
(1,1722)	1:A:97:THR:HG21	1:A:98:ILE:H	6	0.23
(1,1722)	1:A:97:THR:HG22	1:A:98:ILE:H	6	0.23
(1,1722)	1:A:97:THR:HG23	1:A:98:ILE:H	6	0.23
(1,1722)	1:A:98:ILE:H	1:A:98:ILE:HG22	6	0.23
(1,1722)	1:A:98:ILE:H	1:A:98:ILE:HG21	6	0.23
(1,1722)	1:A:98:ILE:H	1:A:98:ILE:HG23	6	0.23
(1,1635)	1:A:122:LYS:HE3	1:A:122:LYS:HG2	2	0.23
(1,1635)	1:A:122:LYS:HG3	1:A:122:LYS:HE3	2	0.23
(1,1434)	1:A:83:ALA:HB2	1:A:82:GLN:HB2	10	0.23
(1,1434)	1:A:83:ALA:HB1	1:A:82:GLN:HB2	10	0.23
(1,1434)	1:A:83:ALA:HB3	1:A:82:GLN:HB2	10	0.23
(1,1434)	1:A:83:ALA:HB2	1:A:84:PRO:HG2	10	0.23
(1,1434)	1:A:83:ALA:HB1	1:A:84:PRO:HG2	10	0.23
(1,1434)	1:A:83:ALA:HB3	1:A:84:PRO:HG2	10	0.23
(1,1319)	1:A:82:GLN:HG3	1:A:82:GLN:HE21	10	0.23
(1,1157)	1:A:152:LEU:HA	1:A:152:LEU:H	2	0.23
(1,1141)	1:A:82:GLN:H	1:A:80:LYS:HG2	9	0.23
(1,1033)	1:A:106:ILE:HG13	1:A:106:ILE:H	6	0.23
(1,1011)	1:A:98:ILE:H	1:A:98:ILE:HG12	5	0.23
(3,34)	1:A:149:LYS:N	1:A:116:GLU:O	2	0.22
(3,33)	1:A:149:LYS:H	1:A:116:GLU:O	6	0.22
(1,809)	1:A:126:LEU:HB2	1:A:126:LEU:H	4	0.22
(1,725)	1:A:148:ILE:HD12	1:A:80:LYS:HD3	8	0.22
(1,725)	1:A:148:ILE:HD11	1:A:80:LYS:HD3	8	0.22
(1,725)	1:A:148:ILE:HD13	1:A:80:LYS:HD3	8	0.22
(1,719)	1:A:148:ILE:HD12	1:A:112:SER:H	3	0.22
(1,719)	1:A:148:ILE:HD11	1:A:112:SER:H	3	0.22
(1,719)	1:A:148:ILE:HD13	1:A:112:SER:H	3	0.22
(1,634)	1:A:114:ILE:HB	1:A:113:HIS:HA	1	0.22
(1,533)	1:A:114:ILE:HA	1:A:114:ILE:HG12	6	0.22
(1,531)	1:A:137:VAL:HA	1:A:138:THR:HG21	7	0.22
(1,531)	1:A:137:VAL:HA	1:A:138:THR:HG22	7	0.22
(1,531)	1:A:137:VAL:HA	1:A:138:THR:HG23	7	0.22
(1,494)	1:A:98:ILE:HA	1:A:101:ILE:HG12	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,494)	1:A:98:ILE:HA	1:A:101:ILE:HG12	8	0.22
(1,4189)	1:A:124:LYS:H	2:B:31:ASP:H	8	0.22
(1,4189)	1:A:124:LYS:H	2:C:31:ASP:H	8	0.22
(1,4189)	1:A:124:LYS:H	2:B:38:ASP:H	8	0.22
(1,4189)	1:A:124:LYS:H	2:C:38:ASP:H	8	0.22
(1,418)	1:A:136:LYS:HG2	1:A:136:LYS:H	8	0.22
(1,4050)	2:B:54:ILE:HB	2:B:8:ILE:H	2	0.22
(1,4050)	2:B:54:ILE:HB	2:B:50:ALA:H	2	0.22
(1,3780)	2:B:13:VAL:HG22	2:B:16:PHE:HE1	8	0.22
(1,3780)	2:B:13:VAL:HG22	2:B:16:PHE:HE2	8	0.22
(1,3780)	2:B:13:VAL:HG21	2:B:16:PHE:HE1	8	0.22
(1,3780)	2:B:13:VAL:HG21	2:B:16:PHE:HE2	8	0.22
(1,3780)	2:B:13:VAL:HG23	2:B:16:PHE:HE1	8	0.22
(1,3780)	2:B:13:VAL:HG23	2:B:16:PHE:HE2	8	0.22
(1,3780)	2:B:13:VAL:HG22	2:C:16:PHE:HE1	8	0.22
(1,3780)	2:B:13:VAL:HG22	2:C:16:PHE:HE2	8	0.22
(1,3780)	2:B:13:VAL:HG21	2:C:16:PHE:HE1	8	0.22
(1,3780)	2:B:13:VAL:HG21	2:C:16:PHE:HE2	8	0.22
(1,3780)	2:B:13:VAL:HG23	2:C:16:PHE:HE1	8	0.22
(1,3780)	2:B:13:VAL:HG23	2:C:16:PHE:HE2	8	0.22
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB2	2	0.22
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB1	2	0.22
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB3	2	0.22
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB2	2	0.22
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB1	2	0.22
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB3	2	0.22
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB2	2	0.22
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB1	2	0.22
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB3	2	0.22
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB2	2	0.22
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB1	2	0.22
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB3	2	0.22
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB2	2	0.22
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB1	2	0.22
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB3	2	0.22
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB2	2	0.22
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB1	2	0.22
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB3	2	0.22
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD12	6	0.22
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD11	6	0.22
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD13	6	0.22
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD12	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD11	6	0.22
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD13	6	0.22
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD12	6	0.22
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD11	6	0.22
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD13	6	0.22
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG22	6	0.22
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG21	6	0.22
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG23	6	0.22
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG22	6	0.22
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG21	6	0.22
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG23	6	0.22
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG22	6	0.22
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG21	6	0.22
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG23	6	0.22
(1,3670)	2:B:3:ALA:HB2	2:B:60:PHE:HD1	5	0.22
(1,3670)	2:B:3:ALA:HB2	2:B:60:PHE:HD2	5	0.22
(1,3670)	2:B:3:ALA:HB1	2:B:60:PHE:HD1	5	0.22
(1,3670)	2:B:3:ALA:HB1	2:B:60:PHE:HD2	5	0.22
(1,3670)	2:B:3:ALA:HB3	2:B:60:PHE:HD1	5	0.22
(1,3670)	2:B:3:ALA:HB3	2:B:60:PHE:HD2	5	0.22
(1,3670)	2:B:3:ALA:HB2	2:C:60:PHE:HD1	5	0.22
(1,3670)	2:B:3:ALA:HB2	2:C:60:PHE:HD2	5	0.22
(1,3670)	2:B:3:ALA:HB1	2:C:60:PHE:HD1	5	0.22
(1,3670)	2:B:3:ALA:HB1	2:C:60:PHE:HD2	5	0.22
(1,3670)	2:B:3:ALA:HB3	2:C:60:PHE:HD1	5	0.22
(1,3670)	2:B:3:ALA:HB3	2:C:60:PHE:HD2	5	0.22
(1,36)	1:A:106:ILE:HD12	1:A:106:ILE:HA	5	0.22
(1,36)	1:A:106:ILE:HD11	1:A:106:ILE:HA	5	0.22
(1,36)	1:A:106:ILE:HD13	1:A:106:ILE:HA	5	0.22
(1,3261)	2:C:22:LYS:HG2	2:C:22:LYS:H	7	0.22
(1,3182)	2:B:12:ILE:HD12	2:B:9:ALA:H	9	0.22
(1,3182)	2:B:12:ILE:HD11	2:B:9:ALA:H	9	0.22
(1,3182)	2:B:12:ILE:HD13	2:B:9:ALA:H	9	0.22
(1,3107)	2:C:51:VAL:HG22	2:C:52:SER:H	2	0.22
(1,3107)	2:C:51:VAL:HG21	2:C:52:SER:H	2	0.22
(1,3107)	2:C:51:VAL:HG23	2:C:52:SER:H	2	0.22
(1,2963)	2:C:48:ARG:HG3	2:C:48:ARG:H	4	0.22
(1,2962)	2:B:48:ARG:HG3	2:B:48:ARG:H	9	0.22
(1,2629)	2:C:37:MET:HB3	2:C:17:SER:HB3	3	0.22
(1,261)	1:A:129:ASN:HB2	1:A:129:ASN:HD21	6	0.22
(1,2565)	2:C:33:LEU:HD12	2:C:19:ILE:HG22	7	0.22
(1,2565)	2:C:33:LEU:HD12	2:C:19:ILE:HG21	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2565)	2:C:33:LEU:HD12	2:C:19:ILE:HG23	7	0.22
(1,2565)	2:C:33:LEU:HD11	2:C:19:ILE:HG22	7	0.22
(1,2565)	2:C:33:LEU:HD11	2:C:19:ILE:HG21	7	0.22
(1,2565)	2:C:33:LEU:HD11	2:C:19:ILE:HG23	7	0.22
(1,2565)	2:C:33:LEU:HD13	2:C:19:ILE:HG22	7	0.22
(1,2565)	2:C:33:LEU:HD13	2:C:19:ILE:HG21	7	0.22
(1,2565)	2:C:33:LEU:HD13	2:C:19:ILE:HG23	7	0.22
(1,2565)	2:C:33:LEU:HD12	2:C:19:ILE:HG22	10	0.22
(1,2565)	2:C:33:LEU:HD12	2:C:19:ILE:HG21	10	0.22
(1,2565)	2:C:33:LEU:HD12	2:C:19:ILE:HG23	10	0.22
(1,2565)	2:C:33:LEU:HD11	2:C:19:ILE:HG22	10	0.22
(1,2565)	2:C:33:LEU:HD11	2:C:19:ILE:HG21	10	0.22
(1,2565)	2:C:33:LEU:HD11	2:C:19:ILE:HG23	10	0.22
(1,2565)	2:C:33:LEU:HD13	2:C:19:ILE:HG22	10	0.22
(1,2565)	2:C:33:LEU:HD13	2:C:19:ILE:HG21	10	0.22
(1,2565)	2:C:33:LEU:HD13	2:C:19:ILE:HG23	10	0.22
(1,2564)	2:B:33:LEU:HD12	2:B:19:ILE:HG22	7	0.22
(1,2564)	2:B:33:LEU:HD12	2:B:19:ILE:HG21	7	0.22
(1,2564)	2:B:33:LEU:HD12	2:B:19:ILE:HG23	7	0.22
(1,2564)	2:B:33:LEU:HD11	2:B:19:ILE:HG22	7	0.22
(1,2564)	2:B:33:LEU:HD11	2:B:19:ILE:HG21	7	0.22
(1,2564)	2:B:33:LEU:HD11	2:B:19:ILE:HG23	7	0.22
(1,2564)	2:B:33:LEU:HD13	2:B:19:ILE:HG22	7	0.22
(1,2564)	2:B:33:LEU:HD13	2:B:19:ILE:HG21	7	0.22
(1,2564)	2:B:33:LEU:HD13	2:B:19:ILE:HG23	7	0.22
(1,235)	1:A:118:LYS:HB3	1:A:118:LYS:HE3	10	0.22
(1,2296)	2:B:19:ILE:HA	2:B:22:LYS:HB2	9	0.22
(1,2258)	2:B:51:VAL:HA	2:B:54:ILE:HB	3	0.22
(1,2183)	2:C:9:ALA:HA	2:C:40:ILE:HG22	1	0.22
(1,2183)	2:C:9:ALA:HA	2:C:40:ILE:HG21	1	0.22
(1,2183)	2:C:9:ALA:HA	2:C:40:ILE:HG23	1	0.22
(1,2183)	2:C:9:ALA:HA	2:C:40:ILE:HG22	4	0.22
(1,2183)	2:C:9:ALA:HA	2:C:40:ILE:HG21	4	0.22
(1,2183)	2:C:9:ALA:HA	2:C:40:ILE:HG23	4	0.22
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG22	5	0.22
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG21	5	0.22
(1,2182)	2:B:9:ALA:HA	2:B:40:ILE:HG23	5	0.22
(1,2153)	2:C:48:ARG:HD3	2:C:48:ARG:HB3	7	0.22
(1,2114)	2:B:13:VAL:HG22	2:B:48:ARG:HG2	6	0.22
(1,2114)	2:B:13:VAL:HG21	2:B:48:ARG:HG2	6	0.22
(1,2114)	2:B:13:VAL:HG23	2:B:48:ARG:HG2	6	0.22
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB2	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB1	2	0.22
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB3	2	0.22
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB2	2	0.22
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB1	2	0.22
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB3	2	0.22
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB2	2	0.22
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB1	2	0.22
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB3	2	0.22
(1,1893)	2:C:23:LYS:HA	2:C:23:LYS:HG3	8	0.22
(1,186)	1:A:120:LEU:HD22	1:A:120:LEU:H	8	0.22
(1,186)	1:A:120:LEU:HD21	1:A:120:LEU:H	8	0.22
(1,186)	1:A:120:LEU:HD23	1:A:120:LEU:H	8	0.22
(1,1856)	2:B:16:PHE:HB3	2:B:37:MET:HE2	2	0.22
(1,1856)	2:B:16:PHE:HB3	2:B:37:MET:HE1	2	0.22
(1,1856)	2:B:16:PHE:HB3	2:B:37:MET:HE3	2	0.22
(1,183)	1:A:99:LEU:HD12	1:A:100:GLN:HE22	5	0.22
(1,183)	1:A:99:LEU:HD11	1:A:100:GLN:HE22	5	0.22
(1,183)	1:A:99:LEU:HD13	1:A:100:GLN:HE22	5	0.22
(1,1673)	1:A:85:LYS:H	1:A:85:LYS:HG2	3	0.22
(1,1673)	1:A:85:LYS:H	1:A:85:LYS:HG3	3	0.22
(1,1656)	1:A:124:LYS:HD3	1:A:121:LEU:HD22	2	0.22
(1,1656)	1:A:124:LYS:HD3	1:A:121:LEU:HD21	2	0.22
(1,1656)	1:A:124:LYS:HD3	1:A:121:LEU:HD23	2	0.22
(1,1656)	1:A:85:LYS:HD3	1:A:81:ILE:HG22	2	0.22
(1,1656)	1:A:85:LYS:HD3	1:A:81:ILE:HG21	2	0.22
(1,1656)	1:A:85:LYS:HD3	1:A:81:ILE:HG23	2	0.22
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD12	2	0.22
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD11	2	0.22
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD13	2	0.22
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD12	2	0.22
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD11	2	0.22
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD13	2	0.22
(1,1476)	1:A:85:LYS:HB2	1:A:85:LYS:HE3	7	0.22
(1,1476)	1:A:149:LYS:HB2	1:A:149:LYS:HE3	7	0.22
(1,1452)	1:A:105:LEU:HD22	1:A:90:HIS:HE1	1	0.22
(1,1452)	1:A:105:LEU:HD21	1:A:90:HIS:HE1	1	0.22
(1,1452)	1:A:105:LEU:HD23	1:A:90:HIS:HE1	1	0.22
(1,1452)	1:A:78:LEU:HD22	1:A:90:HIS:HE1	1	0.22
(1,1452)	1:A:78:LEU:HD21	1:A:90:HIS:HE1	1	0.22
(1,1452)	1:A:78:LEU:HD23	1:A:90:HIS:HE1	1	0.22
(1,1449)	1:A:78:LEU:HD12	1:A:90:HIS:H	3	0.22
(1,1449)	1:A:78:LEU:HD11	1:A:90:HIS:H	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1449)	1:A:78:LEU:HD13	1:A:90:HIS:H	3	0.22
(1,1449)	1:A:135:LEU:HD12	1:A:131:PHE:H	3	0.22
(1,1449)	1:A:135:LEU:HD11	1:A:131:PHE:H	3	0.22
(1,1449)	1:A:135:LEU:HD13	1:A:131:PHE:H	3	0.22
(1,1392)	1:A:144:ILE:HG12	1:A:144:ILE:H	6	0.22
(1,1157)	1:A:152:LEU:HA	1:A:152:LEU:H	1	0.22
(1,1157)	1:A:152:LEU:HA	1:A:152:LEU:H	3	0.22
(1,1114)	1:A:114:ILE:H	1:A:114:ILE:HG22	6	0.22
(1,1114)	1:A:114:ILE:H	1:A:114:ILE:HG21	6	0.22
(1,1114)	1:A:114:ILE:H	1:A:114:ILE:HG23	6	0.22
(1,1060)	1:A:116:GLU:HG2	1:A:116:GLU:H	3	0.22
(1,1060)	1:A:116:GLU:HG2	1:A:116:GLU:H	10	0.22
(3,34)	1:A:149:LYS:N	1:A:116:GLU:O	8	0.21
(1,958)	1:A:121:LEU:H	1:A:126:LEU:HB3	8	0.21
(1,955)	1:A:131:PHE:HB3	1:A:131:PHE:H	2	0.21
(1,85)	1:A:73:MET:HE2	1:A:73:MET:HA	8	0.21
(1,85)	1:A:73:MET:HE1	1:A:73:MET:HA	8	0.21
(1,85)	1:A:73:MET:HE3	1:A:73:MET:HA	8	0.21
(1,785)	1:A:122:LYS:HD3	1:A:121:LEU:HD12	9	0.21
(1,785)	1:A:122:LYS:HD3	1:A:121:LEU:HD11	9	0.21
(1,785)	1:A:122:LYS:HD3	1:A:121:LEU:HD13	9	0.21
(1,75)	1:A:98:ILE:HG22	1:A:128:ASP:HA	10	0.21
(1,75)	1:A:98:ILE:HG21	1:A:128:ASP:HA	10	0.21
(1,75)	1:A:98:ILE:HG23	1:A:128:ASP:HA	10	0.21
(1,672)	1:A:121:LEU:HD22	1:A:144:ILE:HA	5	0.21
(1,672)	1:A:121:LEU:HD21	1:A:144:ILE:HA	5	0.21
(1,672)	1:A:121:LEU:HD23	1:A:144:ILE:HA	5	0.21
(1,661)	1:A:76:LEU:HD22	1:A:76:LEU:HA	1	0.21
(1,661)	1:A:76:LEU:HD21	1:A:76:LEU:HA	1	0.21
(1,661)	1:A:76:LEU:HD23	1:A:76:LEU:HA	1	0.21
(1,661)	1:A:76:LEU:HD22	1:A:76:LEU:HA	3	0.21
(1,661)	1:A:76:LEU:HD21	1:A:76:LEU:HA	3	0.21
(1,661)	1:A:76:LEU:HD23	1:A:76:LEU:HA	3	0.21
(1,585)	1:A:91:ASP:HB3	1:A:92:PHE:HA	4	0.21
(1,585)	1:A:91:ASP:HB3	1:A:92:PHE:HA	6	0.21
(1,460)	1:A:126:LEU:HD12	1:A:120:LEU:HA	3	0.21
(1,460)	1:A:126:LEU:HD11	1:A:120:LEU:HA	3	0.21
(1,460)	1:A:126:LEU:HD13	1:A:120:LEU:HA	3	0.21
(1,460)	1:A:126:LEU:HD12	1:A:120:LEU:HA	10	0.21
(1,460)	1:A:126:LEU:HD11	1:A:120:LEU:HA	10	0.21
(1,460)	1:A:126:LEU:HD13	1:A:120:LEU:HA	10	0.21
(1,4069)	2:C:47:GLU:HB3	2:C:49:GLU:H	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4069)	2:C:49:GLU:HG2	2:C:49:GLU:H	8	0.21
(1,3638)	2:B:55:LEU:HB2	2:B:55:LEU:H	10	0.21
(1,3638)	2:B:55:LEU:HB2	2:B:56:GLY:H	10	0.21
(1,3554)	2:B:25:ILE:HD12	2:B:19:ILE:HB	7	0.21
(1,3554)	2:B:25:ILE:HD11	2:B:19:ILE:HB	7	0.21
(1,3554)	2:B:25:ILE:HD13	2:B:19:ILE:HB	7	0.21
(1,3554)	2:B:25:ILE:HD12	2:C:5:LYS:HB3	7	0.21
(1,3554)	2:B:25:ILE:HD11	2:C:5:LYS:HB3	7	0.21
(1,3554)	2:B:25:ILE:HD13	2:C:5:LYS:HB3	7	0.21
(1,3253)	2:C:21:GLU:HB3	2:C:21:GLU:H	8	0.21
(1,3252)	2:B:21:GLU:HB3	2:B:21:GLU:H	4	0.21
(1,3197)	2:C:14:ASN:H	2:C:48:ARG:HA	6	0.21
(1,3158)	2:B:42:GLU:HB3	2:B:42:GLU:H	4	0.21
(1,3154)	2:B:4:SER:HB3	2:B:6:GLU:H	2	0.21
(1,3139)	2:C:2:SER:H	2:C:3:ALA:H	5	0.21
(1,2965)	2:C:48:ARG:HB3	2:C:48:ARG:H	8	0.21
(1,2904)	2:B:48:ARG:HG3	2:B:48:ARG:HE	9	0.21
(1,2884)	2:B:6:GLU:HG2	2:B:54:ILE:HG22	8	0.21
(1,2884)	2:B:6:GLU:HG2	2:B:54:ILE:HG21	8	0.21
(1,2884)	2:B:6:GLU:HG2	2:B:54:ILE:HG23	8	0.21
(1,281)	1:A:120:LEU:HB2	1:A:145:THR:HB	1	0.21
(1,2790)	2:B:33:LEU:HD12	2:B:19:ILE:HB	6	0.21
(1,2790)	2:B:33:LEU:HD11	2:B:19:ILE:HB	6	0.21
(1,2790)	2:B:33:LEU:HD13	2:B:19:ILE:HB	6	0.21
(1,2781)	2:C:41:SER:HA	2:C:46:PHE:HE1	7	0.21
(1,2781)	2:C:41:SER:HA	2:C:46:PHE:HE2	7	0.21
(1,261)	1:A:129:ASN:HB2	1:A:129:ASN:HD21	1	0.21
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB2	7	0.21
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB1	7	0.21
(1,2546)	2:B:20:VAL:HG22	2:B:30:ALA:HB3	7	0.21
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB2	7	0.21
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB1	7	0.21
(1,2546)	2:B:20:VAL:HG21	2:B:30:ALA:HB3	7	0.21
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB2	7	0.21
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB1	7	0.21
(1,2546)	2:B:20:VAL:HG23	2:B:30:ALA:HB3	7	0.21
(1,2545)	2:C:51:VAL:HG12	2:C:55:LEU:HG	2	0.21
(1,2545)	2:C:51:VAL:HG11	2:C:55:LEU:HG	2	0.21
(1,2545)	2:C:51:VAL:HG13	2:C:55:LEU:HG	2	0.21
(1,2535)	2:C:36:ALA:HB2	2:B:40:ILE:HG13	8	0.21
(1,2535)	2:C:36:ALA:HB1	2:B:40:ILE:HG13	8	0.21
(1,2535)	2:C:36:ALA:HB3	2:B:40:ILE:HG13	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2533)	2:C:36:ALA:HB2	2:C:35:VAL:HB	1	0.21
(1,2533)	2:C:36:ALA:HB1	2:C:35:VAL:HB	1	0.21
(1,2533)	2:C:36:ALA:HB3	2:C:35:VAL:HB	1	0.21
(1,2532)	2:B:36:ALA:HB2	2:B:35:VAL:HB	3	0.21
(1,2532)	2:B:36:ALA:HB1	2:B:35:VAL:HB	3	0.21
(1,2532)	2:B:36:ALA:HB3	2:B:35:VAL:HB	3	0.21
(1,25)	1:A:144:ILE:HD12	1:A:120:LEU:H	5	0.21
(1,25)	1:A:144:ILE:HD11	1:A:120:LEU:H	5	0.21
(1,25)	1:A:144:ILE:HD13	1:A:120:LEU:H	5	0.21
(1,2491)	2:C:54:ILE:HG22	2:C:7:GLU:HG2	2	0.21
(1,2491)	2:C:54:ILE:HG21	2:C:7:GLU:HG2	2	0.21
(1,2491)	2:C:54:ILE:HG23	2:C:7:GLU:HG2	2	0.21
(1,2409)	2:C:19:ILE:HG22	2:B:44:PHE:HZ	6	0.21
(1,2409)	2:C:19:ILE:HG21	2:B:44:PHE:HZ	6	0.21
(1,2409)	2:C:19:ILE:HG23	2:B:44:PHE:HZ	6	0.21
(1,2347)	2:C:44:PHE:HB2	2:C:46:PHE:HD1	8	0.21
(1,2347)	2:C:44:PHE:HB2	2:C:46:PHE:HD2	8	0.21
(1,2153)	2:C:48:ARG:HD3	2:C:48:ARG:HB3	9	0.21
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB2	2	0.21
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB1	2	0.21
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB3	2	0.21
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB2	2	0.21
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB1	2	0.21
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB3	2	0.21
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB2	2	0.21
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB1	2	0.21
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB3	2	0.21
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB2	1	0.21
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB1	1	0.21
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB3	1	0.21
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB2	1	0.21
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB1	1	0.21
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB3	1	0.21
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB2	1	0.21
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB1	1	0.21
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB3	1	0.21
(1,209)	1:A:151:ASN:HB3	1:A:151:ASN:HD21	6	0.21
(1,2038)	2:B:5:LYS:HB3	2:B:44:PHE:HZ	5	0.21
(1,1855)	2:C:16:PHE:HB2	2:C:16:PHE:H	1	0.21
(1,1855)	2:C:16:PHE:HB2	2:C:16:PHE:H	4	0.21
(1,176)	1:A:132:LEU:HD22	1:A:96:ASP:HB2	3	0.21
(1,176)	1:A:132:LEU:HD21	1:A:96:ASP:HB2	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:A:132:LEU:HD23	1:A:96:ASP:HB2	3	0.21
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD12	5	0.21
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD11	5	0.21
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD13	5	0.21
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD12	5	0.21
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD11	5	0.21
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD13	5	0.21
(1,147)	1:A:132:LEU:HD22	1:A:98:ILE:H	1	0.21
(1,147)	1:A:132:LEU:HD21	1:A:98:ILE:H	1	0.21
(1,147)	1:A:132:LEU:HD23	1:A:98:ILE:H	1	0.21
(1,1457)	1:A:120:LEU:HD22	1:A:118:LYS:HE3	2	0.21
(1,1457)	1:A:120:LEU:HD21	1:A:118:LYS:HE3	2	0.21
(1,1457)	1:A:120:LEU:HD23	1:A:118:LYS:HE3	2	0.21
(1,1457)	1:A:126:LEU:HD22	1:A:124:LYS:HE2	2	0.21
(1,1457)	1:A:126:LEU:HD21	1:A:124:LYS:HE2	2	0.21
(1,1457)	1:A:126:LEU:HD23	1:A:124:LYS:HE2	2	0.21
(1,1411)	1:A:116:GLU:HG3	1:A:151:ASN:H	10	0.21
(1,1265)	1:A:107:SER:H	1:A:108:GLU:HG3	7	0.21
(1,1167)	1:A:124:LYS:HG2	1:A:125:VAL:H	8	0.21
(1,1140)	1:A:82:GLN:HG2	1:A:82:GLN:H	10	0.21
(1,113)	1:A:77:THR:HG21	1:A:88:ILE:H	1	0.21
(1,113)	1:A:77:THR:HG22	1:A:88:ILE:H	1	0.21
(1,113)	1:A:77:THR:HG23	1:A:88:ILE:H	1	0.21
(1,113)	1:A:77:THR:HG21	1:A:88:ILE:H	7	0.21
(1,113)	1:A:77:THR:HG22	1:A:88:ILE:H	7	0.21
(1,113)	1:A:77:THR:HG23	1:A:88:ILE:H	7	0.21
(1,1060)	1:A:116:GLU:HG2	1:A:116:GLU:H	6	0.21
(1,73)	1:A:88:ILE:HG22	1:A:90:HIS:HE1	3	0.2
(1,73)	1:A:88:ILE:HG21	1:A:90:HIS:HE1	3	0.2
(1,73)	1:A:88:ILE:HG23	1:A:90:HIS:HE1	3	0.2
(1,720)	1:A:148:ILE:HD12	1:A:86:PHE:HZ	4	0.2
(1,720)	1:A:148:ILE:HD11	1:A:86:PHE:HZ	4	0.2
(1,720)	1:A:148:ILE:HD13	1:A:86:PHE:HZ	4	0.2
(1,47)	1:A:88:ILE:HD12	1:A:105:LEU:HA	4	0.2
(1,47)	1:A:88:ILE:HD11	1:A:105:LEU:HA	4	0.2
(1,47)	1:A:88:ILE:HD13	1:A:105:LEU:HA	4	0.2
(1,460)	1:A:126:LEU:HD12	1:A:120:LEU:HA	9	0.2
(1,460)	1:A:126:LEU:HD11	1:A:120:LEU:HA	9	0.2
(1,460)	1:A:126:LEU:HD13	1:A:120:LEU:HA	9	0.2
(1,4051)	2:C:54:ILE:HB	2:C:8:ILE:H	2	0.2
(1,4051)	2:C:54:ILE:HB	2:C:50:ALA:H	2	0.2
(1,3981)	2:C:15:TYR:HD1	2:C:11:LEU:HD22	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3981)	2:C:15:TYR:HD1	2:C:11:LEU:HD21	6	0.2
(1,3981)	2:C:15:TYR:HD1	2:C:11:LEU:HD23	6	0.2
(1,3981)	2:C:15:TYR:HD2	2:C:11:LEU:HD22	6	0.2
(1,3981)	2:C:15:TYR:HD2	2:C:11:LEU:HD21	6	0.2
(1,3981)	2:C:15:TYR:HD2	2:C:11:LEU:HD23	6	0.2
(1,3981)	2:C:15:TYR:HD1	2:B:8:ILE:HG22	6	0.2
(1,3981)	2:C:15:TYR:HD1	2:B:8:ILE:HG21	6	0.2
(1,3981)	2:C:15:TYR:HD1	2:B:8:ILE:HG23	6	0.2
(1,3981)	2:C:15:TYR:HD2	2:B:8:ILE:HG22	6	0.2
(1,3981)	2:C:15:TYR:HD2	2:B:8:ILE:HG21	6	0.2
(1,3981)	2:C:15:TYR:HD2	2:B:8:ILE:HG23	6	0.2
(1,3897)	2:C:41:SER:HB3	2:C:48:ARG:HG3	7	0.2
(1,3897)	2:C:52:SER:HA	2:C:55:LEU:HB2	7	0.2
(1,3897)	2:C:52:SER:HA	2:B:68:ILE:HB	7	0.2
(1,3815)	2:C:5:LYS:HG2	2:C:5:LYS:H	5	0.2
(1,3815)	2:C:5:LYS:HG2	2:C:6:GLU:H	5	0.2
(1,3638)	2:B:55:LEU:HB2	2:B:55:LEU:H	4	0.2
(1,3638)	2:B:55:LEU:HB2	2:B:56:GLY:H	4	0.2
(1,3638)	2:B:55:LEU:HB2	2:B:55:LEU:H	5	0.2
(1,3638)	2:B:55:LEU:HB2	2:B:56:GLY:H	5	0.2
(1,36)	1:A:106:ILE:HD12	1:A:106:ILE:HA	7	0.2
(1,36)	1:A:106:ILE:HD11	1:A:106:ILE:HA	7	0.2
(1,36)	1:A:106:ILE:HD13	1:A:106:ILE:HA	7	0.2
(1,36)	1:A:106:ILE:HD12	1:A:106:ILE:HA	8	0.2
(1,36)	1:A:106:ILE:HD11	1:A:106:ILE:HA	8	0.2
(1,36)	1:A:106:ILE:HD13	1:A:106:ILE:HA	8	0.2
(1,36)	1:A:106:ILE:HD12	1:A:106:ILE:HA	9	0.2
(1,36)	1:A:106:ILE:HD11	1:A:106:ILE:HA	9	0.2
(1,36)	1:A:106:ILE:HD13	1:A:106:ILE:HA	9	0.2
(1,3553)	2:C:25:ILE:HD12	2:C:24:GLU:HB3	4	0.2
(1,3553)	2:C:25:ILE:HD11	2:C:24:GLU:HB3	4	0.2
(1,3553)	2:C:25:ILE:HD13	2:C:24:GLU:HB3	4	0.2
(1,3553)	2:C:25:ILE:HD12	2:C:20:VAL:HB	4	0.2
(1,3553)	2:C:25:ILE:HD11	2:C:20:VAL:HB	4	0.2
(1,3553)	2:C:25:ILE:HD13	2:C:20:VAL:HB	4	0.2
(1,3552)	2:B:25:ILE:HD12	2:B:24:GLU:HB3	5	0.2
(1,3552)	2:B:25:ILE:HD11	2:B:24:GLU:HB3	5	0.2
(1,3552)	2:B:25:ILE:HD13	2:B:24:GLU:HB3	5	0.2
(1,3552)	2:B:25:ILE:HD12	2:B:20:VAL:HB	5	0.2
(1,3552)	2:B:25:ILE:HD11	2:B:20:VAL:HB	5	0.2
(1,3552)	2:B:25:ILE:HD13	2:B:20:VAL:HB	5	0.2
(1,3252)	2:B:21:GLU:HB3	2:B:21:GLU:H	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3232)	2:B:72:ALA:H	2:B:72:ALA:HB2	4	0.2
(1,3232)	2:B:72:ALA:H	2:B:72:ALA:HB1	4	0.2
(1,3232)	2:B:72:ALA:H	2:B:72:ALA:HB3	4	0.2
(1,3068)	2:B:39:CYS:H	2:B:35:VAL:HB	10	0.2
(1,2962)	2:B:48:ARG:HG3	2:B:48:ARG:H	2	0.2
(1,2957)	2:C:16:PHE:HE1	2:B:12:ILE:HD12	6	0.2
(1,2957)	2:C:16:PHE:HE1	2:B:12:ILE:HD11	6	0.2
(1,2957)	2:C:16:PHE:HE1	2:B:12:ILE:HD13	6	0.2
(1,2957)	2:C:16:PHE:HE2	2:B:12:ILE:HD12	6	0.2
(1,2957)	2:C:16:PHE:HE2	2:B:12:ILE:HD11	6	0.2
(1,2957)	2:C:16:PHE:HE2	2:B:12:ILE:HD13	6	0.2
(1,2941)	2:C:44:PHE:HZ	2:B:33:LEU:HD22	2	0.2
(1,2941)	2:C:44:PHE:HZ	2:B:33:LEU:HD21	2	0.2
(1,2941)	2:C:44:PHE:HZ	2:B:33:LEU:HD23	2	0.2
(1,281)	1:A:120:LEU:HB2	1:A:145:THR:HB	6	0.2
(1,2788)	2:B:33:LEU:HD22	2:C:40:ILE:HG13	8	0.2
(1,2788)	2:B:33:LEU:HD21	2:C:40:ILE:HG13	8	0.2
(1,2788)	2:B:33:LEU:HD23	2:C:40:ILE:HG13	8	0.2
(1,2743)	2:C:29:GLY:HA2	2:B:43:ALA:HB2	3	0.2
(1,2743)	2:C:29:GLY:HA2	2:B:43:ALA:HB1	3	0.2
(1,2743)	2:C:29:GLY:HA2	2:B:43:ALA:HB3	3	0.2
(1,2694)	2:B:54:ILE:HG22	2:B:46:PHE:HB2	3	0.2
(1,2694)	2:B:54:ILE:HG21	2:B:46:PHE:HB2	3	0.2
(1,2694)	2:B:54:ILE:HG23	2:B:46:PHE:HB2	3	0.2
(1,2694)	2:B:54:ILE:HG22	2:B:46:PHE:HB2	4	0.2
(1,2694)	2:B:54:ILE:HG21	2:B:46:PHE:HB2	4	0.2
(1,2694)	2:B:54:ILE:HG23	2:B:46:PHE:HB2	4	0.2
(1,2565)	2:C:33:LEU:HD12	2:C:19:ILE:HG22	6	0.2
(1,2565)	2:C:33:LEU:HD12	2:C:19:ILE:HG21	6	0.2
(1,2565)	2:C:33:LEU:HD12	2:C:19:ILE:HG23	6	0.2
(1,2565)	2:C:33:LEU:HD11	2:C:19:ILE:HG22	6	0.2
(1,2565)	2:C:33:LEU:HD11	2:C:19:ILE:HG21	6	0.2
(1,2565)	2:C:33:LEU:HD11	2:C:19:ILE:HG23	6	0.2
(1,2565)	2:C:33:LEU:HD13	2:C:19:ILE:HG22	6	0.2
(1,2565)	2:C:33:LEU:HD13	2:C:19:ILE:HG21	6	0.2
(1,2565)	2:C:33:LEU:HD13	2:C:19:ILE:HG23	6	0.2
(1,2564)	2:B:33:LEU:HD12	2:B:19:ILE:HG22	4	0.2
(1,2564)	2:B:33:LEU:HD12	2:B:19:ILE:HG21	4	0.2
(1,2564)	2:B:33:LEU:HD12	2:B:19:ILE:HG23	4	0.2
(1,2564)	2:B:33:LEU:HD11	2:B:19:ILE:HG22	4	0.2
(1,2564)	2:B:33:LEU:HD11	2:B:19:ILE:HG21	4	0.2
(1,2564)	2:B:33:LEU:HD11	2:B:19:ILE:HG23	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2564)	2:B:33:LEU:HD13	2:B:19:ILE:HG22	4	0.2
(1,2564)	2:B:33:LEU:HD13	2:B:19:ILE:HG21	4	0.2
(1,2564)	2:B:33:LEU:HD13	2:B:19:ILE:HG23	4	0.2
(1,2534)	2:B:36:ALA:HB2	2:C:40:ILE:HG13	9	0.2
(1,2534)	2:B:36:ALA:HB1	2:C:40:ILE:HG13	9	0.2
(1,2534)	2:B:36:ALA:HB3	2:C:40:ILE:HG13	9	0.2
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG22	6	0.2
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG21	6	0.2
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG23	6	0.2
(1,2297)	2:C:19:ILE:HA	2:C:22:LYS:HB2	1	0.2
(1,2271)	2:C:20:VAL:HA	2:C:25:ILE:HG22	10	0.2
(1,2271)	2:C:20:VAL:HA	2:C:25:ILE:HG21	10	0.2
(1,2271)	2:C:20:VAL:HA	2:C:25:ILE:HG23	10	0.2
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD12	2	0.2
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD11	2	0.2
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD13	2	0.2
(1,2152)	2:B:48:ARG:HD3	2:B:48:ARG:HB3	7	0.2
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB2	8	0.2
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB1	8	0.2
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB3	8	0.2
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB2	8	0.2
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB1	8	0.2
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB3	8	0.2
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB2	8	0.2
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB1	8	0.2
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB3	8	0.2
(1,2088)	2:B:8:ILE:HD12	2:C:19:ILE:HG12	6	0.2
(1,2088)	2:B:8:ILE:HD11	2:C:19:ILE:HG12	6	0.2
(1,2088)	2:B:8:ILE:HD13	2:C:19:ILE:HG12	6	0.2
(1,2060)	2:B:55:LEU:HD22	2:B:14:ASN:H	3	0.2
(1,2060)	2:B:55:LEU:HD21	2:B:14:ASN:H	3	0.2
(1,2060)	2:B:55:LEU:HD23	2:B:14:ASN:H	3	0.2
(1,201)	1:A:144:ILE:HG22	1:A:120:LEU:H	3	0.2
(1,201)	1:A:144:ILE:HG21	1:A:120:LEU:H	3	0.2
(1,201)	1:A:144:ILE:HG23	1:A:120:LEU:H	3	0.2
(1,201)	1:A:144:ILE:HG22	1:A:120:LEU:H	4	0.2
(1,201)	1:A:144:ILE:HG21	1:A:120:LEU:H	4	0.2
(1,201)	1:A:144:ILE:HG23	1:A:120:LEU:H	4	0.2
(1,1854)	2:B:16:PHE:HB2	2:B:16:PHE:H	6	0.2
(1,179)	1:A:120:LEU:HD22	1:A:147:MET:HG3	10	0.2
(1,179)	1:A:120:LEU:HD21	1:A:147:MET:HG3	10	0.2
(1,179)	1:A:120:LEU:HD23	1:A:147:MET:HG3	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:A:132:LEU:HD22	1:A:96:ASP:HB2	7	0.2
(1,176)	1:A:132:LEU:HD21	1:A:96:ASP:HB2	7	0.2
(1,176)	1:A:132:LEU:HD23	1:A:96:ASP:HB2	7	0.2
(1,150)	1:A:78:LEU:HD12	1:A:92:PHE:HZ	1	0.2
(1,150)	1:A:78:LEU:HD11	1:A:92:PHE:HZ	1	0.2
(1,150)	1:A:78:LEU:HD13	1:A:92:PHE:HZ	1	0.2
(1,13)	1:A:119:LEU:HD22	1:A:98:ILE:HA	2	0.2
(1,13)	1:A:119:LEU:HD21	1:A:98:ILE:HA	2	0.2
(1,13)	1:A:119:LEU:HD23	1:A:98:ILE:HA	2	0.2
(1,1287)	1:A:127:HIS:H	1:A:130:LEU:HD22	4	0.2
(1,1287)	1:A:127:HIS:H	1:A:130:LEU:HD21	4	0.2
(1,1287)	1:A:127:HIS:H	1:A:130:LEU:HD23	4	0.2
(1,1270)	1:A:108:GLU:H	1:A:106:ILE:HG22	5	0.2
(1,1270)	1:A:108:GLU:H	1:A:106:ILE:HG21	5	0.2
(1,1270)	1:A:108:GLU:H	1:A:106:ILE:HG23	5	0.2
(1,1193)	1:A:112:SER:HB3	1:A:113:HIS:H	5	0.2
(1,1179)	1:A:82:GLN:H	1:A:80:LYS:HD2	2	0.2
(1,1157)	1:A:152:LEU:HA	1:A:152:LEU:H	4	0.2
(1,1157)	1:A:152:LEU:HA	1:A:152:LEU:H	9	0.2
(1,113)	1:A:77:THR:HG21	1:A:88:ILE:H	10	0.2
(1,113)	1:A:77:THR:HG22	1:A:88:ILE:H	10	0.2
(1,113)	1:A:77:THR:HG23	1:A:88:ILE:H	10	0.2
(1,1033)	1:A:106:ILE:HG13	1:A:106:ILE:H	4	0.2
(3,33)	1:A:149:LYS:H	1:A:116:GLU:O	5	0.19
(1,958)	1:A:121:LEU:H	1:A:126:LEU:HB3	5	0.19
(1,889)	1:A:130:LEU:HB3	1:A:130:LEU:H	3	0.19
(1,809)	1:A:126:LEU:HB2	1:A:126:LEU:H	10	0.19
(1,80)	1:A:148:ILE:HG22	1:A:112:SER:HA	10	0.19
(1,80)	1:A:148:ILE:HG21	1:A:112:SER:HA	10	0.19
(1,80)	1:A:148:ILE:HG23	1:A:112:SER:HA	10	0.19
(1,796)	1:A:86:PHE:HB2	1:A:86:PHE:HD1	10	0.19
(1,796)	1:A:86:PHE:HB2	1:A:86:PHE:HD2	10	0.19
(1,75)	1:A:98:ILE:HG22	1:A:128:ASP:HA	7	0.19
(1,75)	1:A:98:ILE:HG21	1:A:128:ASP:HA	7	0.19
(1,75)	1:A:98:ILE:HG23	1:A:128:ASP:HA	7	0.19
(1,673)	1:A:81:ILE:HG13	1:A:145:THR:HA	6	0.19
(1,661)	1:A:76:LEU:HD22	1:A:76:LEU:HA	6	0.19
(1,661)	1:A:76:LEU:HD21	1:A:76:LEU:HA	6	0.19
(1,661)	1:A:76:LEU:HD23	1:A:76:LEU:HA	6	0.19
(1,585)	1:A:91:ASP:HB3	1:A:92:PHE:HA	9	0.19
(1,547)	1:A:150:PRO:HD3	1:A:149:LYS:HA	4	0.19
(1,4109)	2:C:21:GLU:H	2:C:22:LYS:HG3	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4109)	2:C:21:GLU:H	2:C:30:ALA:HB2	5	0.19
(1,4109)	2:C:21:GLU:H	2:C:30:ALA:HB1	5	0.19
(1,4109)	2:C:21:GLU:H	2:C:30:ALA:HB3	5	0.19
(1,4085)	2:C:14:ASN:H	2:C:12:ILE:HG22	1	0.19
(1,4085)	2:C:14:ASN:H	2:C:12:ILE:HG21	1	0.19
(1,4085)	2:C:14:ASN:H	2:C:12:ILE:HG23	1	0.19
(1,4085)	2:C:55:LEU:HD22	2:C:14:ASN:H	1	0.19
(1,4085)	2:C:55:LEU:HD21	2:C:14:ASN:H	1	0.19
(1,4085)	2:C:55:LEU:HD23	2:C:14:ASN:H	1	0.19
(1,4084)	2:B:14:ASN:H	2:B:12:ILE:HG22	4	0.19
(1,4084)	2:B:14:ASN:H	2:B:12:ILE:HG21	4	0.19
(1,4084)	2:B:14:ASN:H	2:B:12:ILE:HG23	4	0.19
(1,4084)	2:B:55:LEU:HD22	2:B:14:ASN:H	4	0.19
(1,4084)	2:B:55:LEU:HD21	2:B:14:ASN:H	4	0.19
(1,4084)	2:B:55:LEU:HD23	2:B:14:ASN:H	4	0.19
(1,4021)	2:C:16:PHE:HE1	2:B:40:ILE:HG22	2	0.19
(1,4021)	2:C:16:PHE:HE1	2:B:40:ILE:HG21	2	0.19
(1,4021)	2:C:16:PHE:HE1	2:B:40:ILE:HG23	2	0.19
(1,4021)	2:C:16:PHE:HE2	2:B:40:ILE:HG22	2	0.19
(1,4021)	2:C:16:PHE:HE2	2:B:40:ILE:HG21	2	0.19
(1,4021)	2:C:16:PHE:HE2	2:B:40:ILE:HG23	2	0.19
(1,4021)	2:C:16:PHE:HE1	2:B:40:ILE:HD12	2	0.19
(1,4021)	2:C:16:PHE:HE1	2:B:40:ILE:HD11	2	0.19
(1,4021)	2:C:16:PHE:HE1	2:B:40:ILE:HD13	2	0.19
(1,4021)	2:C:16:PHE:HE2	2:B:40:ILE:HD12	2	0.19
(1,4021)	2:C:16:PHE:HE2	2:B:40:ILE:HD11	2	0.19
(1,4021)	2:C:16:PHE:HE2	2:B:40:ILE:HD13	2	0.19
(1,37)	1:A:106:ILE:HD12	1:A:114:ILE:HA	1	0.19
(1,37)	1:A:106:ILE:HD11	1:A:114:ILE:HA	1	0.19
(1,37)	1:A:106:ILE:HD13	1:A:114:ILE:HA	1	0.19
(1,36)	1:A:106:ILE:HD12	1:A:106:ILE:HA	3	0.19
(1,36)	1:A:106:ILE:HD11	1:A:106:ILE:HA	3	0.19
(1,36)	1:A:106:ILE:HD13	1:A:106:ILE:HA	3	0.19
(1,3154)	2:B:4:SER:HB3	2:B:6:GLU:H	3	0.19
(1,3050)	2:B:16:PHE:HB3	2:B:16:PHE:H	2	0.19
(1,3049)	2:C:50:ALA:H	2:C:13:VAL:HG12	7	0.19
(1,3049)	2:C:50:ALA:H	2:C:13:VAL:HG11	7	0.19
(1,3049)	2:C:50:ALA:H	2:C:13:VAL:HG13	7	0.19
(1,2947)	2:C:44:PHE:HB2	2:C:46:PHE:HE1	4	0.19
(1,2947)	2:C:44:PHE:HB2	2:C:46:PHE:HE2	4	0.19
(1,2947)	2:C:44:PHE:HB2	2:C:46:PHE:HE1	9	0.19
(1,2947)	2:C:44:PHE:HB2	2:C:46:PHE:HE2	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2805)	2:C:52:SER:HB3	2:B:68:ILE:HG22	10	0.19
(1,2805)	2:C:52:SER:HB3	2:B:68:ILE:HG21	10	0.19
(1,2805)	2:C:52:SER:HB3	2:B:68:ILE:HG23	10	0.19
(1,2790)	2:B:33:LEU:HD12	2:B:19:ILE:HB	2	0.19
(1,2790)	2:B:33:LEU:HD11	2:B:19:ILE:HB	2	0.19
(1,2790)	2:B:33:LEU:HD13	2:B:19:ILE:HB	2	0.19
(1,2614)	2:B:13:VAL:HG12	2:B:48:ARG:HG2	7	0.19
(1,2614)	2:B:13:VAL:HG11	2:B:48:ARG:HG2	7	0.19
(1,2614)	2:B:13:VAL:HG13	2:B:48:ARG:HG2	7	0.19
(1,2585)	2:C:49:GLU:HG3	2:C:49:GLU:HA	5	0.19
(1,2552)	2:B:35:VAL:HG12	2:B:37:MET:HB3	6	0.19
(1,2552)	2:B:35:VAL:HG11	2:B:37:MET:HB3	6	0.19
(1,2552)	2:B:35:VAL:HG13	2:B:37:MET:HB3	6	0.19
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG22	9	0.19
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG21	9	0.19
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG23	9	0.19
(1,2422)	2:B:25:ILE:HD12	2:C:44:PHE:HZ	3	0.19
(1,2422)	2:B:25:ILE:HD11	2:C:44:PHE:HZ	3	0.19
(1,2422)	2:B:25:ILE:HD13	2:C:44:PHE:HZ	3	0.19
(1,2408)	2:B:19:ILE:HG22	2:C:44:PHE:HZ	8	0.19
(1,2408)	2:B:19:ILE:HG21	2:C:44:PHE:HZ	8	0.19
(1,2408)	2:B:19:ILE:HG23	2:C:44:PHE:HZ	8	0.19
(1,2347)	2:C:44:PHE:HB2	2:C:46:PHE:HD1	5	0.19
(1,2347)	2:C:44:PHE:HB2	2:C:46:PHE:HD2	5	0.19
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD1	2	0.19
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD2	2	0.19
(1,2299)	2:C:19:ILE:HA	2:C:22:LYS:HD3	3	0.19
(1,2258)	2:B:51:VAL:HA	2:B:54:ILE:HB	4	0.19
(1,2244)	2:B:55:LEU:HD22	2:B:11:LEU:HA	4	0.19
(1,2244)	2:B:55:LEU:HD21	2:B:11:LEU:HA	4	0.19
(1,2244)	2:B:55:LEU:HD23	2:B:11:LEU:HA	4	0.19
(1,2186)	2:B:30:ALA:HA	2:B:20:VAL:HG12	1	0.19
(1,2186)	2:B:30:ALA:HA	2:B:20:VAL:HG11	1	0.19
(1,2186)	2:B:30:ALA:HA	2:B:20:VAL:HG13	1	0.19
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB2	6	0.19
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB1	6	0.19
(1,2090)	2:B:8:ILE:HD12	2:B:3:ALA:HB3	6	0.19
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB2	6	0.19
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB1	6	0.19
(1,2090)	2:B:8:ILE:HD11	2:B:3:ALA:HB3	6	0.19
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB2	6	0.19
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB1	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2090)	2:B:8:ILE:HD13	2:B:3:ALA:HB3	6	0.19
(1,209)	1:A:151:ASN:HB3	1:A:151:ASN:HD21	10	0.19
(1,2064)	2:B:55:LEU:HD22	2:B:51:VAL:HB	3	0.19
(1,2064)	2:B:55:LEU:HD21	2:B:51:VAL:HB	3	0.19
(1,2064)	2:B:55:LEU:HD23	2:B:51:VAL:HB	3	0.19
(1,2063)	2:C:55:LEU:HD22	2:C:14:ASN:HB2	9	0.19
(1,2063)	2:C:55:LEU:HD21	2:C:14:ASN:HB2	9	0.19
(1,2063)	2:C:55:LEU:HD23	2:C:14:ASN:HB2	9	0.19
(1,2013)	2:C:47:GLU:HG3	2:C:47:GLU:H	3	0.19
(1,1856)	2:B:16:PHE:HB3	2:B:37:MET:HE2	7	0.19
(1,1856)	2:B:16:PHE:HB3	2:B:37:MET:HE1	7	0.19
(1,1856)	2:B:16:PHE:HB3	2:B:37:MET:HE3	7	0.19
(1,1809)	1:A:103:GLN:HE22	1:A:99:LEU:HD12	3	0.19
(1,1809)	1:A:103:GLN:HE22	1:A:99:LEU:HD11	3	0.19
(1,1809)	1:A:103:GLN:HE22	1:A:99:LEU:HD13	3	0.19
(1,1809)	1:A:103:GLN:HE22	1:A:114:ILE:HG22	3	0.19
(1,1809)	1:A:103:GLN:HE22	1:A:114:ILE:HG21	3	0.19
(1,1809)	1:A:103:GLN:HE22	1:A:114:ILE:HG23	3	0.19
(1,1661)	1:A:149:LYS:HE3	1:A:149:LYS:HD3	7	0.19
(1,1661)	1:A:149:LYS:HB3	1:A:149:LYS:HE3	7	0.19
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD12	4	0.19
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD11	4	0.19
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD13	4	0.19
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD12	4	0.19
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD11	4	0.19
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD13	4	0.19
(1,162)	1:A:78:LEU:HD22	1:A:92:PHE:HZ	6	0.19
(1,162)	1:A:78:LEU:HD21	1:A:92:PHE:HZ	6	0.19
(1,162)	1:A:78:LEU:HD23	1:A:92:PHE:HZ	6	0.19
(1,162)	1:A:78:LEU:HD22	1:A:92:PHE:HZ	7	0.19
(1,162)	1:A:78:LEU:HD21	1:A:92:PHE:HZ	7	0.19
(1,162)	1:A:78:LEU:HD23	1:A:92:PHE:HZ	7	0.19
(1,1598)	1:A:128:ASP:HB2	1:A:128:ASP:H	3	0.19
(1,1598)	1:A:128:ASP:HB2	1:A:129:ASN:H	3	0.19
(1,1577)	1:A:128:ASP:HA	1:A:98:ILE:HB	2	0.19
(1,1577)	1:A:128:ASP:HA	1:A:128:ASP:HB2	2	0.19
(1,1577)	1:A:128:ASP:HA	1:A:128:ASP:HB3	2	0.19
(1,1526)	1:A:76:LEU:HA	1:A:74:VAL:HG22	5	0.19
(1,1526)	1:A:76:LEU:HA	1:A:74:VAL:HG21	5	0.19
(1,1526)	1:A:76:LEU:HA	1:A:74:VAL:HG23	5	0.19
(1,1526)	1:A:76:LEU:HA	1:A:76:LEU:HD12	5	0.19
(1,1526)	1:A:76:LEU:HA	1:A:76:LEU:HD11	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1526)	1:A:76:LEU:HA	1:A:76:LEU:HD13	5	0.19
(1,1457)	1:A:120:LEU:HD22	1:A:118:LYS:HE3	3	0.19
(1,1457)	1:A:120:LEU:HD21	1:A:118:LYS:HE3	3	0.19
(1,1457)	1:A:120:LEU:HD23	1:A:118:LYS:HE3	3	0.19
(1,1457)	1:A:126:LEU:HD22	1:A:124:LYS:HE2	3	0.19
(1,1457)	1:A:126:LEU:HD21	1:A:124:LYS:HE2	3	0.19
(1,1457)	1:A:126:LEU:HD23	1:A:124:LYS:HE2	3	0.19
(1,1157)	1:A:152:LEU:HA	1:A:152:LEU:H	8	0.19
(3,89)	2:B:38:ASP:H	2:B:34:ASN:O	2	0.18
(1,724)	1:A:148:ILE:HD12	1:A:80:LYS:HE3	5	0.18
(1,724)	1:A:148:ILE:HD11	1:A:80:LYS:HE3	5	0.18
(1,724)	1:A:148:ILE:HD13	1:A:80:LYS:HE3	5	0.18
(1,67)	1:A:83:ALA:HB2	1:A:85:LYS:H	4	0.18
(1,67)	1:A:83:ALA:HB1	1:A:85:LYS:H	4	0.18
(1,67)	1:A:83:ALA:HB3	1:A:85:LYS:H	4	0.18
(1,610)	1:A:108:GLU:HG3	1:A:107:SER:HB3	7	0.18
(1,511)	1:A:139:PRO:HD2	1:A:138:THR:HB	6	0.18
(1,44)	1:A:88:ILE:HD12	1:A:78:LEU:HB3	2	0.18
(1,44)	1:A:88:ILE:HD11	1:A:78:LEU:HB3	2	0.18
(1,44)	1:A:88:ILE:HD13	1:A:78:LEU:HB3	2	0.18
(1,44)	1:A:88:ILE:HD12	1:A:78:LEU:HB3	10	0.18
(1,44)	1:A:88:ILE:HD11	1:A:78:LEU:HB3	10	0.18
(1,44)	1:A:88:ILE:HD13	1:A:78:LEU:HB3	10	0.18
(1,4186)	1:A:120:LEU:HG	2:B:35:VAL:H	8	0.18
(1,4186)	1:A:120:LEU:HG	2:C:35:VAL:H	8	0.18
(1,4185)	1:A:120:LEU:HG	2:B:35:VAL:H	8	0.18
(1,4185)	1:A:120:LEU:HG	2:C:35:VAL:H	8	0.18
(1,4182)	1:A:120:LEU:HD21	2:B:38:ASP:H	1	0.18
(1,4182)	1:A:120:LEU:HD22	2:B:38:ASP:H	1	0.18
(1,4182)	1:A:120:LEU:HD23	2:B:38:ASP:H	1	0.18
(1,4182)	1:A:120:LEU:HD21	2:C:38:ASP:H	1	0.18
(1,4182)	1:A:120:LEU:HD22	2:C:38:ASP:H	1	0.18
(1,4182)	1:A:120:LEU:HD23	2:C:38:ASP:H	1	0.18
(1,4182)	1:A:120:LEU:HD21	2:B:31:ASP:H	1	0.18
(1,4182)	1:A:120:LEU:HD22	2:B:31:ASP:H	1	0.18
(1,4182)	1:A:120:LEU:HD23	2:B:31:ASP:H	1	0.18
(1,4182)	1:A:120:LEU:HD21	2:C:31:ASP:H	1	0.18
(1,4182)	1:A:120:LEU:HD22	2:C:31:ASP:H	1	0.18
(1,4182)	1:A:120:LEU:HD23	2:C:31:ASP:H	1	0.18
(1,4085)	2:C:14:ASN:H	2:C:12:ILE:HG22	4	0.18
(1,4085)	2:C:14:ASN:H	2:C:12:ILE:HG21	4	0.18
(1,4085)	2:C:14:ASN:H	2:C:12:ILE:HG23	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4085)	2:C:55:LEU:HD22	2:C:14:ASN:H	4	0.18
(1,4085)	2:C:55:LEU:HD21	2:C:14:ASN:H	4	0.18
(1,4085)	2:C:55:LEU:HD23	2:C:14:ASN:H	4	0.18
(1,4083)	2:C:40:ILE:HG22	2:C:40:ILE:H	2	0.18
(1,4083)	2:C:40:ILE:HG21	2:C:40:ILE:H	2	0.18
(1,4083)	2:C:40:ILE:HG23	2:C:40:ILE:H	2	0.18
(1,4083)	2:C:40:ILE:HD12	2:C:40:ILE:H	2	0.18
(1,4083)	2:C:40:ILE:HD11	2:C:40:ILE:H	2	0.18
(1,4083)	2:C:40:ILE:HD13	2:C:40:ILE:H	2	0.18
(1,4051)	2:C:54:ILE:HB	2:C:8:ILE:H	4	0.18
(1,4051)	2:C:54:ILE:HB	2:C:50:ALA:H	4	0.18
(1,3928)	2:B:39:CYS:HB2	2:C:35:VAL:HB	6	0.18
(1,3928)	2:B:39:CYS:HB3	2:C:35:VAL:HB	6	0.18
(1,3928)	2:B:39:CYS:HB2	2:B:35:VAL:HB	6	0.18
(1,3928)	2:B:39:CYS:HB3	2:B:35:VAL:HB	6	0.18
(1,3874)	2:B:15:TYR:HA	2:B:12:ILE:HD12	7	0.18
(1,3874)	2:B:15:TYR:HA	2:B:12:ILE:HD11	7	0.18
(1,3874)	2:B:15:TYR:HA	2:B:12:ILE:HD13	7	0.18
(1,3874)	2:B:15:TYR:HA	2:C:12:ILE:HD12	7	0.18
(1,3874)	2:B:15:TYR:HA	2:C:12:ILE:HD11	7	0.18
(1,3874)	2:B:15:TYR:HA	2:C:12:ILE:HD13	7	0.18
(1,3868)	2:B:29:GLY:HA3	2:C:43:ALA:HB2	2	0.18
(1,3868)	2:B:29:GLY:HA3	2:C:43:ALA:HB1	2	0.18
(1,3868)	2:B:29:GLY:HA3	2:C:43:ALA:HB3	2	0.18
(1,3868)	2:B:29:GLY:HA3	2:B:25:ILE:HG13	2	0.18
(1,3815)	2:C:5:LYS:HG2	2:C:5:LYS:H	4	0.18
(1,3815)	2:C:5:LYS:HG2	2:C:6:GLU:H	4	0.18
(1,3814)	2:B:5:LYS:HG2	2:B:5:LYS:H	6	0.18
(1,3814)	2:B:5:LYS:HG2	2:B:6:GLU:H	6	0.18
(1,3780)	2:B:13:VAL:HG22	2:B:16:PHE:HE1	1	0.18
(1,3780)	2:B:13:VAL:HG22	2:B:16:PHE:HE2	1	0.18
(1,3780)	2:B:13:VAL:HG21	2:B:16:PHE:HE1	1	0.18
(1,3780)	2:B:13:VAL:HG21	2:B:16:PHE:HE2	1	0.18
(1,3780)	2:B:13:VAL:HG23	2:B:16:PHE:HE1	1	0.18
(1,3780)	2:B:13:VAL:HG23	2:B:16:PHE:HE2	1	0.18
(1,3780)	2:B:13:VAL:HG22	2:C:16:PHE:HE1	1	0.18
(1,3780)	2:B:13:VAL:HG22	2:C:16:PHE:HE2	1	0.18
(1,3780)	2:B:13:VAL:HG21	2:C:16:PHE:HE1	1	0.18
(1,3780)	2:B:13:VAL:HG21	2:C:16:PHE:HE2	1	0.18
(1,3780)	2:B:13:VAL:HG23	2:C:16:PHE:HE1	1	0.18
(1,3780)	2:B:13:VAL:HG23	2:C:16:PHE:HE2	1	0.18
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB2	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB1	3	0.18
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB3	3	0.18
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB2	3	0.18
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB1	3	0.18
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB3	3	0.18
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB2	3	0.18
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB1	3	0.18
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB3	3	0.18
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB2	3	0.18
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB1	3	0.18
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB3	3	0.18
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB2	3	0.18
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB1	3	0.18
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB3	3	0.18
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB2	3	0.18
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB1	3	0.18
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB3	3	0.18
(1,3684)	2:B:12:ILE:HD12	2:B:15:TYR:HD1	7	0.18
(1,3684)	2:B:12:ILE:HD12	2:B:15:TYR:HD2	7	0.18
(1,3684)	2:B:12:ILE:HD11	2:B:15:TYR:HD1	7	0.18
(1,3684)	2:B:12:ILE:HD11	2:B:15:TYR:HD2	7	0.18
(1,3684)	2:B:12:ILE:HD13	2:B:15:TYR:HD1	7	0.18
(1,3684)	2:B:12:ILE:HD13	2:B:15:TYR:HD2	7	0.18
(1,3684)	2:B:12:ILE:HD12	2:C:15:TYR:HD1	7	0.18
(1,3684)	2:B:12:ILE:HD12	2:C:15:TYR:HD2	7	0.18
(1,3684)	2:B:12:ILE:HD11	2:C:15:TYR:HD1	7	0.18
(1,3684)	2:B:12:ILE:HD11	2:C:15:TYR:HD2	7	0.18
(1,3684)	2:B:12:ILE:HD13	2:C:15:TYR:HD1	7	0.18
(1,3684)	2:B:12:ILE:HD13	2:C:15:TYR:HD2	7	0.18
(1,3638)	2:B:55:LEU:HB2	2:B:55:LEU:H	1	0.18
(1,3638)	2:B:55:LEU:HB2	2:B:56:GLY:H	1	0.18
(1,36)	1:A:106:ILE:HD12	1:A:106:ILE:HA	6	0.18
(1,36)	1:A:106:ILE:HD11	1:A:106:ILE:HA	6	0.18
(1,36)	1:A:106:ILE:HD13	1:A:106:ILE:HA	6	0.18
(1,36)	1:A:106:ILE:HD12	1:A:106:ILE:HA	10	0.18
(1,36)	1:A:106:ILE:HD11	1:A:106:ILE:HA	10	0.18
(1,36)	1:A:106:ILE:HD13	1:A:106:ILE:HA	10	0.18
(1,3557)	2:C:25:ILE:HD12	2:B:5:LYS:HD2	2	0.18
(1,3557)	2:C:25:ILE:HD11	2:B:5:LYS:HD2	2	0.18
(1,3557)	2:C:25:ILE:HD13	2:B:5:LYS:HD2	2	0.18
(1,3557)	2:C:25:ILE:HD12	2:B:5:LYS:HG3	2	0.18
(1,3557)	2:C:25:ILE:HD11	2:B:5:LYS:HG3	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3557)	2:C:25:ILE:HD13	2:B:5:LYS:HG3	2	0.18
(1,3555)	2:C:25:ILE:HD12	2:C:19:ILE:HB	3	0.18
(1,3555)	2:C:25:ILE:HD11	2:C:19:ILE:HB	3	0.18
(1,3555)	2:C:25:ILE:HD13	2:C:19:ILE:HB	3	0.18
(1,3555)	2:C:25:ILE:HD12	2:B:5:LYS:HB3	3	0.18
(1,3555)	2:C:25:ILE:HD11	2:B:5:LYS:HB3	3	0.18
(1,3555)	2:C:25:ILE:HD13	2:B:5:LYS:HB3	3	0.18
(1,3555)	2:C:25:ILE:HD12	2:C:19:ILE:HB	9	0.18
(1,3555)	2:C:25:ILE:HD11	2:C:19:ILE:HB	9	0.18
(1,3555)	2:C:25:ILE:HD13	2:C:19:ILE:HB	9	0.18
(1,3555)	2:C:25:ILE:HD12	2:B:5:LYS:HB3	9	0.18
(1,3555)	2:C:25:ILE:HD11	2:B:5:LYS:HB3	9	0.18
(1,3555)	2:C:25:ILE:HD13	2:B:5:LYS:HB3	9	0.18
(1,3196)	2:B:14:ASN:H	2:B:48:ARG:HA	2	0.18
(1,3107)	2:C:51:VAL:HG22	2:C:52:SER:H	3	0.18
(1,3107)	2:C:51:VAL:HG21	2:C:52:SER:H	3	0.18
(1,3107)	2:C:51:VAL:HG23	2:C:52:SER:H	3	0.18
(1,3051)	2:C:16:PHE:HB3	2:C:16:PHE:H	3	0.18
(1,3045)	2:C:47:GLU:HB2	2:C:50:ALA:H	5	0.18
(1,3014)	2:B:5:LYS:HG2	2:B:5:LYS:H	10	0.18
(1,2940)	2:B:44:PHE:HZ	2:C:33:LEU:HD22	4	0.18
(1,2940)	2:B:44:PHE:HZ	2:C:33:LEU:HD21	4	0.18
(1,2940)	2:B:44:PHE:HZ	2:C:33:LEU:HD23	4	0.18
(1,2821)	2:C:5:LYS:HE2	2:B:24:GLU:HB3	9	0.18
(1,2645)	2:C:20:VAL:HG12	2:C:33:LEU:HD22	4	0.18
(1,2645)	2:C:20:VAL:HG12	2:C:33:LEU:HD21	4	0.18
(1,2645)	2:C:20:VAL:HG12	2:C:33:LEU:HD23	4	0.18
(1,2645)	2:C:20:VAL:HG11	2:C:33:LEU:HD22	4	0.18
(1,2645)	2:C:20:VAL:HG11	2:C:33:LEU:HD21	4	0.18
(1,2645)	2:C:20:VAL:HG11	2:C:33:LEU:HD23	4	0.18
(1,2645)	2:C:20:VAL:HG13	2:C:33:LEU:HD22	4	0.18
(1,2645)	2:C:20:VAL:HG13	2:C:33:LEU:HD21	4	0.18
(1,2645)	2:C:20:VAL:HG13	2:C:33:LEU:HD23	4	0.18
(1,2631)	2:C:51:VAL:HB	2:C:55:LEU:HG	10	0.18
(1,2599)	2:C:13:VAL:HG12	2:C:41:SER:HA	7	0.18
(1,2599)	2:C:13:VAL:HG11	2:C:41:SER:HA	7	0.18
(1,2599)	2:C:13:VAL:HG13	2:C:41:SER:HA	7	0.18
(1,2539)	2:C:12:ILE:HG22	2:C:12:ILE:HG13	4	0.18
(1,2539)	2:C:12:ILE:HG21	2:C:12:ILE:HG13	4	0.18
(1,2539)	2:C:12:ILE:HG23	2:C:12:ILE:HG13	4	0.18
(1,2356)	2:B:49:GLU:HG2	2:B:49:GLU:H	5	0.18
(1,2356)	2:B:49:GLU:HG2	2:B:49:GLU:H	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD1	8	0.18
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD2	8	0.18
(1,209)	1:A:151:ASN:HB3	1:A:151:ASN:HD21	3	0.18
(1,2075)	2:C:55:LEU:HD12	2:C:11:LEU:HA	10	0.18
(1,2075)	2:C:55:LEU:HD11	2:C:11:LEU:HA	10	0.18
(1,2075)	2:C:55:LEU:HD13	2:C:11:LEU:HA	10	0.18
(1,1857)	2:C:16:PHE:HB3	2:C:37:MET:HE2	1	0.18
(1,1857)	2:C:16:PHE:HB3	2:C:37:MET:HE1	1	0.18
(1,1857)	2:C:16:PHE:HB3	2:C:37:MET:HE3	1	0.18
(1,1854)	2:B:16:PHE:HB2	2:B:16:PHE:H	3	0.18
(1,1854)	2:B:16:PHE:HB2	2:B:16:PHE:H	4	0.18
(1,1809)	1:A:103:GLN:HE22	1:A:99:LEU:HD12	9	0.18
(1,1809)	1:A:103:GLN:HE22	1:A:99:LEU:HD11	9	0.18
(1,1809)	1:A:103:GLN:HE22	1:A:99:LEU:HD13	9	0.18
(1,1809)	1:A:103:GLN:HE22	1:A:114:ILE:HG22	9	0.18
(1,1809)	1:A:103:GLN:HE22	1:A:114:ILE:HG21	9	0.18
(1,1809)	1:A:103:GLN:HE22	1:A:114:ILE:HG23	9	0.18
(1,1808)	1:A:99:LEU:HG	1:A:103:GLN:HE22	3	0.18
(1,1808)	1:A:103:GLN:HE22	1:A:114:ILE:HG13	3	0.18
(1,177)	1:A:132:LEU:HD22	1:A:97:THR:HA	6	0.18
(1,177)	1:A:132:LEU:HD21	1:A:97:THR:HA	6	0.18
(1,177)	1:A:132:LEU:HD23	1:A:97:THR:HA	6	0.18
(1,1759)	1:A:153:GLU:H	1:A:153:GLU:HG2	3	0.18
(1,1759)	1:A:153:GLU:H	1:A:153:GLU:HG3	3	0.18
(1,1673)	1:A:85:LYS:H	1:A:85:LYS:HG2	2	0.18
(1,1673)	1:A:85:LYS:H	1:A:85:LYS:HG3	2	0.18
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD12	3	0.18
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD11	3	0.18
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD13	3	0.18
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD12	3	0.18
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD11	3	0.18
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD13	3	0.18
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD12	6	0.18
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD11	6	0.18
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD13	6	0.18
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD12	6	0.18
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD11	6	0.18
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD13	6	0.18
(1,1623)	1:A:126:LEU:HG	1:A:124:LYS:HE3	7	0.18
(1,1623)	1:A:126:LEU:HG	1:A:127:HIS:HB2	7	0.18
(1,1623)	1:A:126:LEU:HG	1:A:134:ASP:HB2	7	0.18
(1,1428)	1:A:106:ILE:HD12	1:A:102:LYS:HB3	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1428)	1:A:106:ILE:HD11	1:A:102:LYS:HB3	4	0.18
(1,1428)	1:A:106:ILE:HD13	1:A:102:LYS:HB3	4	0.18
(1,1428)	1:A:106:ILE:HD12	1:A:103:GLN:HB3	4	0.18
(1,1428)	1:A:106:ILE:HD11	1:A:103:GLN:HB3	4	0.18
(1,1428)	1:A:106:ILE:HD13	1:A:103:GLN:HB3	4	0.18
(1,1423)	1:A:119:LEU:HD22	1:A:117:ILE:HB	6	0.18
(1,1423)	1:A:119:LEU:HD21	1:A:117:ILE:HB	6	0.18
(1,1423)	1:A:119:LEU:HD23	1:A:117:ILE:HB	6	0.18
(1,1423)	1:A:119:LEU:HD22	1:A:118:LYS:HB2	6	0.18
(1,1423)	1:A:119:LEU:HD21	1:A:118:LYS:HB2	6	0.18
(1,1423)	1:A:119:LEU:HD23	1:A:118:LYS:HB2	6	0.18
(1,1423)	1:A:119:LEU:HD22	1:A:126:LEU:HB3	6	0.18
(1,1423)	1:A:119:LEU:HD21	1:A:126:LEU:HB3	6	0.18
(1,1423)	1:A:119:LEU:HD23	1:A:126:LEU:HB3	6	0.18
(1,1351)	1:A:141:ASN:HD21	1:A:121:LEU:HG	1	0.18
(1,1339)	1:A:103:GLN:HG2	1:A:103:GLN:HE21	8	0.18
(1,1295)	1:A:129:ASN:H	1:A:97:THR:HB	7	0.18
(1,1157)	1:A:152:LEU:HA	1:A:152:LEU:H	10	0.18
(1,1071)	1:A:138:THR:H	1:A:138:THR:HG21	7	0.18
(1,1071)	1:A:138:THR:H	1:A:138:THR:HG22	7	0.18
(1,1071)	1:A:138:THR:H	1:A:138:THR:HG23	7	0.18
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG22	7	0.18
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG21	7	0.18
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG23	7	0.18
(3,89)	2:B:38:ASP:H	2:B:34:ASN:O	3	0.17
(1,785)	1:A:122:LYS:HD3	1:A:121:LEU:HD12	2	0.17
(1,785)	1:A:122:LYS:HD3	1:A:121:LEU:HD11	2	0.17
(1,785)	1:A:122:LYS:HD3	1:A:121:LEU:HD13	2	0.17
(1,738)	1:A:115:SER:HA	1:A:114:ILE:HG13	4	0.17
(1,738)	1:A:115:SER:HA	1:A:114:ILE:HG13	9	0.17
(1,727)	1:A:88:ILE:HG12	1:A:86:PHE:HD1	6	0.17
(1,727)	1:A:88:ILE:HG12	1:A:86:PHE:HD2	6	0.17
(1,683)	1:A:106:ILE:HG12	1:A:106:ILE:H	10	0.17
(1,547)	1:A:150:PRO:HD3	1:A:149:LYS:HA	3	0.17
(1,3929)	2:C:39:CYS:HB2	2:B:35:VAL:HB	2	0.17
(1,3929)	2:C:39:CYS:HB3	2:B:35:VAL:HB	2	0.17
(1,3929)	2:C:39:CYS:HB2	2:C:35:VAL:HB	2	0.17
(1,3929)	2:C:39:CYS:HB3	2:C:35:VAL:HB	2	0.17
(1,3639)	2:C:55:LEU:HB2	2:C:55:LEU:H	10	0.17
(1,3639)	2:C:55:LEU:HB2	2:C:56:GLY:H	10	0.17
(1,3555)	2:C:25:ILE:HD12	2:C:19:ILE:HB	5	0.17
(1,3555)	2:C:25:ILE:HD11	2:C:19:ILE:HB	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3555)	2:C:25:ILE:HD13	2:C:19:ILE:HB	5	0.17
(1,3555)	2:C:25:ILE:HD12	2:B:5:LYS:HB3	5	0.17
(1,3555)	2:C:25:ILE:HD11	2:B:5:LYS:HB3	5	0.17
(1,3555)	2:C:25:ILE:HD13	2:B:5:LYS:HB3	5	0.17
(1,3476)	2:B:55:LEU:HD22	2:B:14:ASN:HD21	3	0.17
(1,3476)	2:B:55:LEU:HD21	2:B:14:ASN:HD21	3	0.17
(1,3476)	2:B:55:LEU:HD23	2:B:14:ASN:HD21	3	0.17
(1,3421)	2:C:51:VAL:H	2:C:54:ILE:HG12	9	0.17
(1,3155)	2:C:4:SER:HB3	2:C:6:GLU:H	6	0.17
(1,3152)	2:B:6:GLU:HG3	2:B:6:GLU:H	1	0.17
(1,3139)	2:C:2:SER:H	2:C:3:ALA:H	9	0.17
(1,3051)	2:C:16:PHE:HB3	2:C:16:PHE:H	8	0.17
(1,3050)	2:B:16:PHE:HB3	2:B:16:PHE:H	9	0.17
(1,2862)	2:B:37:MET:HA	2:B:37:MET:HG2	4	0.17
(1,2790)	2:B:33:LEU:HD12	2:B:19:ILE:HB	7	0.17
(1,2790)	2:B:33:LEU:HD11	2:B:19:ILE:HB	7	0.17
(1,2790)	2:B:33:LEU:HD13	2:B:19:ILE:HB	7	0.17
(1,2703)	2:C:13:VAL:HA	2:C:40:ILE:HD12	2	0.17
(1,2703)	2:C:13:VAL:HA	2:C:40:ILE:HD11	2	0.17
(1,2703)	2:C:13:VAL:HA	2:C:40:ILE:HD13	2	0.17
(1,2699)	2:C:54:ILE:HG22	2:C:6:GLU:HG3	9	0.17
(1,2699)	2:C:54:ILE:HG21	2:C:6:GLU:HG3	9	0.17
(1,2699)	2:C:54:ILE:HG23	2:C:6:GLU:HG3	9	0.17
(1,2695)	2:C:54:ILE:HG22	2:C:46:PHE:HB2	5	0.17
(1,2695)	2:C:54:ILE:HG21	2:C:46:PHE:HB2	5	0.17
(1,2695)	2:C:54:ILE:HG23	2:C:46:PHE:HB2	5	0.17
(1,2693)	2:C:50:ALA:HB2	2:C:47:GLU:HB2	2	0.17
(1,2693)	2:C:50:ALA:HB1	2:C:47:GLU:HB2	2	0.17
(1,2693)	2:C:50:ALA:HB3	2:C:47:GLU:HB2	2	0.17
(1,2691)	2:C:50:ALA:HB2	2:C:47:GLU:HB3	1	0.17
(1,2691)	2:C:50:ALA:HB1	2:C:47:GLU:HB3	1	0.17
(1,2691)	2:C:50:ALA:HB3	2:C:47:GLU:HB3	1	0.17
(1,265)	1:A:114:ILE:HG12	1:A:103:GLN:HE22	3	0.17
(1,2638)	2:B:35:VAL:HG22	2:B:37:MET:HB3	6	0.17
(1,2638)	2:B:35:VAL:HG21	2:B:37:MET:HB3	6	0.17
(1,2638)	2:B:35:VAL:HG23	2:B:37:MET:HB3	6	0.17
(1,2615)	2:C:13:VAL:HG12	2:C:48:ARG:HG2	7	0.17
(1,2615)	2:C:13:VAL:HG11	2:C:48:ARG:HG2	7	0.17
(1,2615)	2:C:13:VAL:HG13	2:C:48:ARG:HG2	7	0.17
(1,261)	1:A:129:ASN:HB2	1:A:129:ASN:HD21	7	0.17
(1,2539)	2:C:12:ILE:HG22	2:C:12:ILE:HG13	1	0.17
(1,2539)	2:C:12:ILE:HG21	2:C:12:ILE:HG13	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2539)	2:C:12:ILE:HG23	2:C:12:ILE:HG13	1	0.17
(1,2539)	2:C:12:ILE:HG22	2:C:12:ILE:HG13	5	0.17
(1,2539)	2:C:12:ILE:HG21	2:C:12:ILE:HG13	5	0.17
(1,2539)	2:C:12:ILE:HG23	2:C:12:ILE:HG13	5	0.17
(1,2539)	2:C:12:ILE:HG22	2:C:12:ILE:HG13	10	0.17
(1,2539)	2:C:12:ILE:HG21	2:C:12:ILE:HG13	10	0.17
(1,2539)	2:C:12:ILE:HG23	2:C:12:ILE:HG13	10	0.17
(1,2538)	2:B:12:ILE:HG22	2:B:12:ILE:HG13	4	0.17
(1,2538)	2:B:12:ILE:HG21	2:B:12:ILE:HG13	4	0.17
(1,2538)	2:B:12:ILE:HG23	2:B:12:ILE:HG13	4	0.17
(1,2538)	2:B:12:ILE:HG22	2:B:12:ILE:HG13	6	0.17
(1,2538)	2:B:12:ILE:HG21	2:B:12:ILE:HG13	6	0.17
(1,2538)	2:B:12:ILE:HG23	2:B:12:ILE:HG13	6	0.17
(1,2538)	2:B:12:ILE:HG22	2:B:12:ILE:HG13	9	0.17
(1,2538)	2:B:12:ILE:HG21	2:B:12:ILE:HG13	9	0.17
(1,2538)	2:B:12:ILE:HG23	2:B:12:ILE:HG13	9	0.17
(1,2465)	2:C:71:SER:HB3	2:C:71:SER:H	7	0.17
(1,2409)	2:C:19:ILE:HG22	2:B:44:PHE:HZ	10	0.17
(1,2409)	2:C:19:ILE:HG21	2:B:44:PHE:HZ	10	0.17
(1,2409)	2:C:19:ILE:HG23	2:B:44:PHE:HZ	10	0.17
(1,2381)	2:C:55:LEU:HD12	2:C:60:PHE:HD1	9	0.17
(1,2381)	2:C:55:LEU:HD12	2:C:60:PHE:HD2	9	0.17
(1,2381)	2:C:55:LEU:HD11	2:C:60:PHE:HD1	9	0.17
(1,2381)	2:C:55:LEU:HD11	2:C:60:PHE:HD2	9	0.17
(1,2381)	2:C:55:LEU:HD13	2:C:60:PHE:HD1	9	0.17
(1,2381)	2:C:55:LEU:HD13	2:C:60:PHE:HD2	9	0.17
(1,2152)	2:B:48:ARG:HD3	2:B:48:ARG:HB3	2	0.17
(1,2152)	2:B:48:ARG:HD3	2:B:48:ARG:HB3	8	0.17
(1,2115)	2:C:13:VAL:HG22	2:C:48:ARG:HG2	9	0.17
(1,2115)	2:C:13:VAL:HG21	2:C:48:ARG:HG2	9	0.17
(1,2115)	2:C:13:VAL:HG23	2:C:48:ARG:HG2	9	0.17
(1,2112)	2:B:13:VAL:HG22	2:B:51:VAL:HB	8	0.17
(1,2112)	2:B:13:VAL:HG21	2:B:51:VAL:HB	8	0.17
(1,2112)	2:B:13:VAL:HG23	2:B:51:VAL:HB	8	0.17
(1,210)	1:A:151:ASN:HB2	1:A:151:ASN:HD21	2	0.17
(1,2061)	2:C:55:LEU:HD22	2:C:14:ASN:H	7	0.17
(1,2061)	2:C:55:LEU:HD21	2:C:14:ASN:H	7	0.17
(1,2061)	2:C:55:LEU:HD23	2:C:14:ASN:H	7	0.17
(1,1892)	2:B:23:LYS:HA	2:B:23:LYS:HG3	6	0.17
(1,180)	1:A:132:LEU:HD12	1:A:96:ASP:HB2	1	0.17
(1,180)	1:A:132:LEU:HD11	1:A:96:ASP:HB2	1	0.17
(1,180)	1:A:132:LEU:HD13	1:A:96:ASP:HB2	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD12	8	0.17
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD11	8	0.17
(1,1648)	1:A:135:LEU:HA	1:A:135:LEU:HD13	8	0.17
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD12	8	0.17
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD11	8	0.17
(1,1648)	1:A:136:LYS:HA	1:A:135:LEU:HD13	8	0.17
(1,162)	1:A:78:LEU:HD22	1:A:92:PHE:HZ	4	0.17
(1,162)	1:A:78:LEU:HD21	1:A:92:PHE:HZ	4	0.17
(1,162)	1:A:78:LEU:HD23	1:A:92:PHE:HZ	4	0.17
(1,1598)	1:A:128:ASP:HB2	1:A:128:ASP:H	10	0.17
(1,1598)	1:A:128:ASP:HB2	1:A:129:ASN:H	10	0.17
(1,147)	1:A:132:LEU:HD22	1:A:98:ILE:H	2	0.17
(1,147)	1:A:132:LEU:HD21	1:A:98:ILE:H	2	0.17
(1,147)	1:A:132:LEU:HD23	1:A:98:ILE:H	2	0.17
(1,147)	1:A:132:LEU:HD22	1:A:98:ILE:H	9	0.17
(1,147)	1:A:132:LEU:HD21	1:A:98:ILE:H	9	0.17
(1,147)	1:A:132:LEU:HD23	1:A:98:ILE:H	9	0.17
(1,1392)	1:A:144:ILE:HG12	1:A:144:ILE:H	3	0.17
(1,1270)	1:A:108:GLU:H	1:A:106:ILE:HG22	4	0.17
(1,1270)	1:A:108:GLU:H	1:A:106:ILE:HG21	4	0.17
(1,1270)	1:A:108:GLU:H	1:A:106:ILE:HG23	4	0.17
(1,1157)	1:A:152:LEU:HA	1:A:152:LEU:H	7	0.17
(1,1141)	1:A:82:GLN:H	1:A:80:LYS:HG2	5	0.17
(1,1132)	1:A:126:LEU:H	1:A:126:LEU:HB3	6	0.17
(1,101)	1:A:77:THR:HG21	1:A:87:SER:HB3	8	0.17
(1,101)	1:A:77:THR:HG22	1:A:87:SER:HB3	8	0.17
(1,101)	1:A:77:THR:HG23	1:A:87:SER:HB3	8	0.17
(1,795)	1:A:80:LYS:HE3	1:A:86:PHE:HZ	7	0.16
(1,749)	1:A:124:LYS:HG2	1:A:125:VAL:HA	10	0.16
(1,732)	1:A:81:ILE:HA	1:A:79:LYS:HD3	1	0.16
(1,686)	1:A:122:LYS:HA	1:A:122:LYS:HD3	6	0.16
(1,54)	1:A:81:ILE:HD12	1:A:82:GLN:H	6	0.16
(1,54)	1:A:81:ILE:HD11	1:A:82:GLN:H	6	0.16
(1,54)	1:A:81:ILE:HD13	1:A:82:GLN:H	6	0.16
(1,533)	1:A:114:ILE:HA	1:A:114:ILE:HG12	8	0.16
(1,494)	1:A:98:ILE:HA	1:A:101:ILE:HG12	2	0.16
(1,47)	1:A:88:ILE:HD12	1:A:105:LEU:HA	7	0.16
(1,47)	1:A:88:ILE:HD11	1:A:105:LEU:HA	7	0.16
(1,47)	1:A:88:ILE:HD13	1:A:105:LEU:HA	7	0.16
(1,4186)	1:A:120:LEU:HG	2:B:35:VAL:H	7	0.16
(1,4186)	1:A:120:LEU:HG	2:C:35:VAL:H	7	0.16
(1,4185)	1:A:120:LEU:HG	2:B:35:VAL:H	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4185)	1:A:120:LEU:HG	2:C:35:VAL:H	7	0.16
(1,3935)	2:C:55:LEU:HD12	2:C:6:GLU:HB2	6	0.16
(1,3935)	2:C:55:LEU:HD11	2:C:6:GLU:HB2	6	0.16
(1,3935)	2:C:55:LEU:HD13	2:C:6:GLU:HB2	6	0.16
(1,3935)	2:C:55:LEU:HD12	2:C:7:GLU:HG2	6	0.16
(1,3935)	2:C:55:LEU:HD11	2:C:7:GLU:HG2	6	0.16
(1,3935)	2:C:55:LEU:HD13	2:C:7:GLU:HG2	6	0.16
(1,3814)	2:B:5:LYS:HG2	2:B:5:LYS:H	5	0.16
(1,3814)	2:B:5:LYS:HG2	2:B:6:GLU:H	5	0.16
(1,3729)	2:C:12:ILE:HD12	2:B:12:ILE:HA	8	0.16
(1,3729)	2:C:12:ILE:HD11	2:B:12:ILE:HA	8	0.16
(1,3729)	2:C:12:ILE:HD13	2:B:12:ILE:HA	8	0.16
(1,3729)	2:C:12:ILE:HA	2:C:12:ILE:HD12	8	0.16
(1,3729)	2:C:12:ILE:HA	2:C:12:ILE:HD11	8	0.16
(1,3729)	2:C:12:ILE:HA	2:C:12:ILE:HD13	8	0.16
(1,3709)	2:C:4:SER:HB2	2:C:5:LYS:H	8	0.16
(1,3709)	2:C:26:SER:HB2	2:C:27:GLU:H	8	0.16
(1,3682)	2:B:12:ILE:HD12	2:B:16:PHE:HD1	10	0.16
(1,3682)	2:B:12:ILE:HD12	2:B:16:PHE:HD2	10	0.16
(1,3682)	2:B:12:ILE:HD11	2:B:16:PHE:HD1	10	0.16
(1,3682)	2:B:12:ILE:HD11	2:B:16:PHE:HD2	10	0.16
(1,3682)	2:B:12:ILE:HD13	2:B:16:PHE:HD1	10	0.16
(1,3682)	2:B:12:ILE:HD13	2:B:16:PHE:HD2	10	0.16
(1,3682)	2:B:12:ILE:HD12	2:C:16:PHE:HD1	10	0.16
(1,3682)	2:B:12:ILE:HD12	2:C:16:PHE:HD2	10	0.16
(1,3682)	2:B:12:ILE:HD11	2:C:16:PHE:HD1	10	0.16
(1,3682)	2:B:12:ILE:HD11	2:C:16:PHE:HD2	10	0.16
(1,3682)	2:B:12:ILE:HD13	2:C:16:PHE:HD1	10	0.16
(1,3682)	2:B:12:ILE:HD13	2:C:16:PHE:HD2	10	0.16
(1,3638)	2:B:55:LEU:HB2	2:B:55:LEU:H	9	0.16
(1,3638)	2:B:55:LEU:HB2	2:B:56:GLY:H	9	0.16
(1,3620)	2:B:40:ILE:HA	2:B:36:ALA:HB2	8	0.16
(1,3620)	2:B:40:ILE:HA	2:B:36:ALA:HB1	8	0.16
(1,3620)	2:B:40:ILE:HA	2:B:36:ALA:HB3	8	0.16
(1,3620)	2:B:40:ILE:HA	2:C:36:ALA:HB2	8	0.16
(1,3620)	2:B:40:ILE:HA	2:C:36:ALA:HB1	8	0.16
(1,3620)	2:B:40:ILE:HA	2:C:36:ALA:HB3	8	0.16
(1,3583)	2:C:5:LYS:HE3	2:B:19:ILE:HG22	5	0.16
(1,3583)	2:C:5:LYS:HE3	2:B:19:ILE:HG21	5	0.16
(1,3583)	2:C:5:LYS:HE3	2:B:19:ILE:HG23	5	0.16
(1,3583)	2:C:5:LYS:HE3	2:B:19:ILE:HD12	5	0.16
(1,3583)	2:C:5:LYS:HE3	2:B:19:ILE:HD11	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3583)	2:C:5:LYS:HE3	2:B:19:ILE:HD13	5	0.16
(1,3552)	2:B:25:ILE:HD12	2:B:24:GLU:HB3	4	0.16
(1,3552)	2:B:25:ILE:HD11	2:B:24:GLU:HB3	4	0.16
(1,3552)	2:B:25:ILE:HD13	2:B:24:GLU:HB3	4	0.16
(1,3552)	2:B:25:ILE:HD12	2:B:20:VAL:HB	4	0.16
(1,3552)	2:B:25:ILE:HD11	2:B:20:VAL:HB	4	0.16
(1,3552)	2:B:25:ILE:HD13	2:B:20:VAL:HB	4	0.16
(1,3318)	2:B:25:ILE:HG13	2:B:26:SER:H	8	0.16
(1,3205)	2:C:50:ALA:H	2:C:51:VAL:H	9	0.16
(1,3138)	2:B:2:SER:H	2:B:3:ALA:H	5	0.16
(1,3051)	2:C:16:PHE:HB3	2:C:16:PHE:H	2	0.16
(1,3051)	2:C:16:PHE:HB3	2:C:16:PHE:H	5	0.16
(1,3051)	2:C:16:PHE:HB3	2:C:16:PHE:H	10	0.16
(1,3050)	2:B:16:PHE:HB3	2:B:16:PHE:H	1	0.16
(1,3050)	2:B:16:PHE:HB3	2:B:16:PHE:H	5	0.16
(1,3050)	2:B:16:PHE:HB3	2:B:16:PHE:H	8	0.16
(1,3011)	2:C:5:LYS:HB2	2:C:5:LYS:H	8	0.16
(1,2957)	2:C:16:PHE:HE1	2:B:12:ILE:HD12	9	0.16
(1,2957)	2:C:16:PHE:HE1	2:B:12:ILE:HD11	9	0.16
(1,2957)	2:C:16:PHE:HE1	2:B:12:ILE:HD13	9	0.16
(1,2957)	2:C:16:PHE:HE2	2:B:12:ILE:HD12	9	0.16
(1,2957)	2:C:16:PHE:HE2	2:B:12:ILE:HD11	9	0.16
(1,2957)	2:C:16:PHE:HE2	2:B:12:ILE:HD13	9	0.16
(1,2937)	2:C:6:GLU:HG2	2:C:44:PHE:HD1	3	0.16
(1,2937)	2:C:6:GLU:HG2	2:C:44:PHE:HD2	3	0.16
(1,2876)	2:B:13:VAL:HB	2:B:14:ASN:HA	8	0.16
(1,2820)	2:B:5:LYS:HE2	2:C:24:GLU:HB3	7	0.16
(1,2639)	2:C:35:VAL:HG22	2:C:37:MET:HB3	10	0.16
(1,2639)	2:C:35:VAL:HG21	2:C:37:MET:HB3	10	0.16
(1,2639)	2:C:35:VAL:HG23	2:C:37:MET:HB3	10	0.16
(1,2638)	2:B:35:VAL:HG22	2:B:37:MET:HB3	1	0.16
(1,2638)	2:B:35:VAL:HG21	2:B:37:MET:HB3	1	0.16
(1,2638)	2:B:35:VAL:HG23	2:B:37:MET:HB3	1	0.16
(1,2614)	2:B:13:VAL:HG12	2:B:48:ARG:HG2	6	0.16
(1,2614)	2:B:13:VAL:HG11	2:B:48:ARG:HG2	6	0.16
(1,2614)	2:B:13:VAL:HG13	2:B:48:ARG:HG2	6	0.16
(1,2538)	2:B:12:ILE:HG22	2:B:12:ILE:HG13	7	0.16
(1,2538)	2:B:12:ILE:HG21	2:B:12:ILE:HG13	7	0.16
(1,2538)	2:B:12:ILE:HG23	2:B:12:ILE:HG13	7	0.16
(1,2534)	2:B:36:ALA:HB2	2:C:40:ILE:HG13	1	0.16
(1,2534)	2:B:36:ALA:HB1	2:C:40:ILE:HG13	1	0.16
(1,2534)	2:B:36:ALA:HB3	2:C:40:ILE:HG13	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:A:144:ILE:HD12	1:A:120:LEU:H	4	0.16
(1,25)	1:A:144:ILE:HD11	1:A:120:LEU:H	4	0.16
(1,25)	1:A:144:ILE:HD13	1:A:120:LEU:H	4	0.16
(1,2409)	2:C:19:ILE:HG22	2:B:44:PHE:HZ	3	0.16
(1,2409)	2:C:19:ILE:HG21	2:B:44:PHE:HZ	3	0.16
(1,2409)	2:C:19:ILE:HG23	2:B:44:PHE:HZ	3	0.16
(1,231)	1:A:149:LYS:HB3	1:A:149:LYS:HE3	3	0.16
(1,2193)	2:C:25:ILE:HD12	2:C:30:ALA:HA	2	0.16
(1,2193)	2:C:25:ILE:HD11	2:C:30:ALA:HA	2	0.16
(1,2193)	2:C:25:ILE:HD13	2:C:30:ALA:HA	2	0.16
(1,2192)	2:B:25:ILE:HD12	2:B:30:ALA:HA	4	0.16
(1,2192)	2:B:25:ILE:HD11	2:B:30:ALA:HA	4	0.16
(1,2192)	2:B:25:ILE:HD13	2:B:30:ALA:HA	4	0.16
(1,2186)	2:B:30:ALA:HA	2:B:20:VAL:HG12	9	0.16
(1,2186)	2:B:30:ALA:HA	2:B:20:VAL:HG11	9	0.16
(1,2186)	2:B:30:ALA:HA	2:B:20:VAL:HG13	9	0.16
(1,2060)	2:B:55:LEU:HD22	2:B:14:ASN:H	7	0.16
(1,2060)	2:B:55:LEU:HD21	2:B:14:ASN:H	7	0.16
(1,2060)	2:B:55:LEU:HD23	2:B:14:ASN:H	7	0.16
(1,1893)	2:C:23:LYS:HA	2:C:23:LYS:HG3	3	0.16
(1,1892)	2:B:23:LYS:HA	2:B:23:LYS:HG3	8	0.16
(1,183)	1:A:99:LEU:HD12	1:A:100:GLN:HE22	3	0.16
(1,183)	1:A:99:LEU:HD11	1:A:100:GLN:HE22	3	0.16
(1,183)	1:A:99:LEU:HD13	1:A:100:GLN:HE22	3	0.16
(1,1759)	1:A:153:GLU:H	1:A:153:GLU:HG2	4	0.16
(1,1759)	1:A:153:GLU:H	1:A:153:GLU:HG3	4	0.16
(1,1711)	1:A:123:GLY:H	1:A:126:LEU:HD12	9	0.16
(1,1711)	1:A:123:GLY:H	1:A:126:LEU:HD11	9	0.16
(1,1711)	1:A:123:GLY:H	1:A:126:LEU:HD13	9	0.16
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD22	9	0.16
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD21	9	0.16
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD23	9	0.16
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD12	9	0.16
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD11	9	0.16
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD13	9	0.16
(1,1672)	1:A:85:LYS:HD3	1:A:85:LYS:H	8	0.16
(1,1672)	1:A:85:LYS:HB3	1:A:85:LYS:H	8	0.16
(1,1569)	1:A:143:THR:HA	1:A:77:THR:HB	5	0.16
(1,1569)	1:A:143:THR:HA	1:A:143:THR:HB	5	0.16
(1,1513)	1:A:123:GLY:HA2	1:A:120:LEU:HD22	1	0.16
(1,1513)	1:A:123:GLY:HA2	1:A:120:LEU:HD21	1	0.16
(1,1513)	1:A:123:GLY:HA2	1:A:120:LEU:HD23	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1513)	1:A:120:LEU:HD12	1:A:123:GLY:HA2	1	0.16
(1,1513)	1:A:120:LEU:HD11	1:A:123:GLY:HA2	1	0.16
(1,1513)	1:A:120:LEU:HD13	1:A:123:GLY:HA2	1	0.16
(1,1446)	1:A:97:THR:HG21	1:A:96:ASP:HB3	3	0.16
(1,1446)	1:A:97:THR:HG22	1:A:96:ASP:HB3	3	0.16
(1,1446)	1:A:97:THR:HG23	1:A:96:ASP:HB3	3	0.16
(1,1446)	1:A:97:THR:HG21	1:A:100:GLN:HG3	3	0.16
(1,1446)	1:A:97:THR:HG22	1:A:100:GLN:HG3	3	0.16
(1,1446)	1:A:97:THR:HG23	1:A:100:GLN:HG3	3	0.16
(1,1417)	1:A:73:MET:HB3	1:A:74:VAL:H	3	0.16
(1,1417)	1:A:73:MET:HB3	1:A:74:VAL:H	10	0.16
(1,1350)	1:A:141:ASN:HB3	1:A:141:ASN:HD21	7	0.16
(1,1133)	1:A:126:LEU:HD12	1:A:126:LEU:H	4	0.16
(1,1133)	1:A:126:LEU:HD11	1:A:126:LEU:H	4	0.16
(1,1133)	1:A:126:LEU:HD13	1:A:126:LEU:H	4	0.16
(1,1060)	1:A:116:GLU:HG2	1:A:116:GLU:H	1	0.16
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG22	6	0.16
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG21	6	0.16
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG23	6	0.16
(1,889)	1:A:130:LEU:HB3	1:A:130:LEU:H	4	0.15
(1,785)	1:A:122:LYS:HD3	1:A:121:LEU:HD12	1	0.15
(1,785)	1:A:122:LYS:HD3	1:A:121:LEU:HD11	1	0.15
(1,785)	1:A:122:LYS:HD3	1:A:121:LEU:HD13	1	0.15
(1,661)	1:A:76:LEU:HD22	1:A:76:LEU:HA	10	0.15
(1,661)	1:A:76:LEU:HD21	1:A:76:LEU:HA	10	0.15
(1,661)	1:A:76:LEU:HD23	1:A:76:LEU:HA	10	0.15
(1,487)	1:A:139:PRO:HD2	1:A:138:THR:HA	8	0.15
(1,460)	1:A:126:LEU:HD12	1:A:120:LEU:HA	5	0.15
(1,460)	1:A:126:LEU:HD11	1:A:120:LEU:HA	5	0.15
(1,460)	1:A:126:LEU:HD13	1:A:120:LEU:HA	5	0.15
(1,44)	1:A:88:ILE:HD12	1:A:78:LEU:HB3	8	0.15
(1,44)	1:A:88:ILE:HD11	1:A:78:LEU:HB3	8	0.15
(1,44)	1:A:88:ILE:HD13	1:A:78:LEU:HB3	8	0.15
(1,4182)	1:A:120:LEU:HD21	2:B:38:ASP:H	7	0.15
(1,4182)	1:A:120:LEU:HD22	2:B:38:ASP:H	7	0.15
(1,4182)	1:A:120:LEU:HD23	2:B:38:ASP:H	7	0.15
(1,4182)	1:A:120:LEU:HD21	2:C:38:ASP:H	7	0.15
(1,4182)	1:A:120:LEU:HD22	2:C:38:ASP:H	7	0.15
(1,4182)	1:A:120:LEU:HD23	2:C:38:ASP:H	7	0.15
(1,4182)	1:A:120:LEU:HD21	2:B:31:ASP:H	7	0.15
(1,4182)	1:A:120:LEU:HD22	2:B:31:ASP:H	7	0.15
(1,4182)	1:A:120:LEU:HD23	2:B:31:ASP:H	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4182)	1:A:120:LEU:HD21	2:C:31:ASP:H	7	0.15
(1,4182)	1:A:120:LEU:HD22	2:C:31:ASP:H	7	0.15
(1,4182)	1:A:120:LEU:HD23	2:C:31:ASP:H	7	0.15
(1,4182)	1:A:120:LEU:HD21	2:B:38:ASP:H	9	0.15
(1,4182)	1:A:120:LEU:HD22	2:B:38:ASP:H	9	0.15
(1,4182)	1:A:120:LEU:HD23	2:B:38:ASP:H	9	0.15
(1,4182)	1:A:120:LEU:HD21	2:C:38:ASP:H	9	0.15
(1,4182)	1:A:120:LEU:HD22	2:C:38:ASP:H	9	0.15
(1,4182)	1:A:120:LEU:HD23	2:C:38:ASP:H	9	0.15
(1,4182)	1:A:120:LEU:HD21	2:B:31:ASP:H	9	0.15
(1,4182)	1:A:120:LEU:HD22	2:B:31:ASP:H	9	0.15
(1,4182)	1:A:120:LEU:HD23	2:B:31:ASP:H	9	0.15
(1,4182)	1:A:120:LEU:HD21	2:C:31:ASP:H	9	0.15
(1,4182)	1:A:120:LEU:HD22	2:C:31:ASP:H	9	0.15
(1,4182)	1:A:120:LEU:HD23	2:C:31:ASP:H	9	0.15
(1,4084)	2:B:14:ASN:H	2:B:12:ILE:HG22	7	0.15
(1,4084)	2:B:14:ASN:H	2:B:12:ILE:HG21	7	0.15
(1,4084)	2:B:14:ASN:H	2:B:12:ILE:HG23	7	0.15
(1,4084)	2:B:55:LEU:HD22	2:B:14:ASN:H	7	0.15
(1,4084)	2:B:55:LEU:HD21	2:B:14:ASN:H	7	0.15
(1,4084)	2:B:55:LEU:HD23	2:B:14:ASN:H	7	0.15
(1,3830)	2:B:40:ILE:HD12	2:B:13:VAL:HB	2	0.15
(1,3830)	2:B:40:ILE:HD11	2:B:13:VAL:HB	2	0.15
(1,3830)	2:B:40:ILE:HD13	2:B:13:VAL:HB	2	0.15
(1,3830)	2:B:40:ILE:HD12	2:B:35:VAL:HB	2	0.15
(1,3830)	2:B:40:ILE:HD11	2:B:35:VAL:HB	2	0.15
(1,3830)	2:B:40:ILE:HD13	2:B:35:VAL:HB	2	0.15
(1,3830)	2:B:40:ILE:HD12	2:C:35:VAL:HB	2	0.15
(1,3830)	2:B:40:ILE:HD11	2:C:35:VAL:HB	2	0.15
(1,3830)	2:B:40:ILE:HD13	2:C:35:VAL:HB	2	0.15
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB2	9	0.15
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB1	9	0.15
(1,3745)	2:C:40:ILE:HD12	2:C:36:ALA:HB3	9	0.15
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB2	9	0.15
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB1	9	0.15
(1,3745)	2:C:40:ILE:HD11	2:C:36:ALA:HB3	9	0.15
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB2	9	0.15
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB1	9	0.15
(1,3745)	2:C:40:ILE:HD13	2:C:36:ALA:HB3	9	0.15
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB2	9	0.15
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB1	9	0.15
(1,3745)	2:C:40:ILE:HD12	2:B:36:ALA:HB3	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB2	9	0.15
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB1	9	0.15
(1,3745)	2:C:40:ILE:HD11	2:B:36:ALA:HB3	9	0.15
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB2	9	0.15
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB1	9	0.15
(1,3745)	2:C:40:ILE:HD13	2:B:36:ALA:HB3	9	0.15
(1,3744)	2:B:40:ILE:HD12	2:B:36:ALA:HB2	8	0.15
(1,3744)	2:B:40:ILE:HD12	2:B:36:ALA:HB1	8	0.15
(1,3744)	2:B:40:ILE:HD12	2:B:36:ALA:HB3	8	0.15
(1,3744)	2:B:40:ILE:HD11	2:B:36:ALA:HB2	8	0.15
(1,3744)	2:B:40:ILE:HD11	2:B:36:ALA:HB1	8	0.15
(1,3744)	2:B:40:ILE:HD11	2:B:36:ALA:HB3	8	0.15
(1,3744)	2:B:40:ILE:HD13	2:B:36:ALA:HB2	8	0.15
(1,3744)	2:B:40:ILE:HD13	2:B:36:ALA:HB1	8	0.15
(1,3744)	2:B:40:ILE:HD13	2:B:36:ALA:HB3	8	0.15
(1,3744)	2:B:40:ILE:HD12	2:C:36:ALA:HB2	8	0.15
(1,3744)	2:B:40:ILE:HD12	2:C:36:ALA:HB1	8	0.15
(1,3744)	2:B:40:ILE:HD12	2:C:36:ALA:HB3	8	0.15
(1,3744)	2:B:40:ILE:HD11	2:C:36:ALA:HB2	8	0.15
(1,3744)	2:B:40:ILE:HD11	2:C:36:ALA:HB1	8	0.15
(1,3744)	2:B:40:ILE:HD11	2:C:36:ALA:HB3	8	0.15
(1,3744)	2:B:40:ILE:HD13	2:C:36:ALA:HB2	8	0.15
(1,3744)	2:B:40:ILE:HD13	2:C:36:ALA:HB1	8	0.15
(1,3744)	2:B:40:ILE:HD13	2:C:36:ALA:HB3	8	0.15
(1,3542)	2:B:51:VAL:HG22	2:B:13:VAL:HB	1	0.15
(1,3542)	2:B:51:VAL:HG21	2:B:13:VAL:HB	1	0.15
(1,3542)	2:B:51:VAL:HG23	2:B:13:VAL:HB	1	0.15
(1,3542)	2:B:51:VAL:HG22	2:B:49:GLU:HG3	1	0.15
(1,3542)	2:B:51:VAL:HG21	2:B:49:GLU:HG3	1	0.15
(1,3542)	2:B:51:VAL:HG23	2:B:49:GLU:HG3	1	0.15
(1,3420)	2:B:51:VAL:H	2:B:54:ILE:HG12	10	0.15
(1,3401)	2:C:46:PHE:H	2:C:46:PHE:HD1	7	0.15
(1,3401)	2:C:46:PHE:H	2:C:46:PHE:HD2	7	0.15
(1,3324)	2:B:27:GLU:HG3	2:B:27:GLU:H	7	0.15
(1,3220)	2:B:34:ASN:HA	2:B:17:SER:H	1	0.15
(1,3174)	2:B:7:GLU:H	2:B:4:SER:HB3	6	0.15
(1,3158)	2:B:42:GLU:HB3	2:B:42:GLU:H	2	0.15
(1,3154)	2:B:4:SER:HB3	2:B:6:GLU:H	7	0.15
(1,3139)	2:C:2:SER:H	2:C:3:ALA:H	1	0.15
(1,3051)	2:C:16:PHE:HB3	2:C:16:PHE:H	9	0.15
(1,3050)	2:B:16:PHE:HB3	2:B:16:PHE:H	3	0.15
(1,3050)	2:B:16:PHE:HB3	2:B:16:PHE:H	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3013)	2:C:5:LYS:HG3	2:C:5:LYS:H	9	0.15
(1,2950)	2:B:60:PHE:HD1	2:B:54:ILE:HB	7	0.15
(1,2950)	2:B:60:PHE:HD2	2:B:54:ILE:HB	7	0.15
(1,2899)	2:C:37:MET:HA	2:C:16:PHE:HD1	8	0.15
(1,2899)	2:C:37:MET:HA	2:C:16:PHE:HD2	8	0.15
(1,286)	1:A:92:PHE:HB2	1:A:92:PHE:HD1	5	0.15
(1,286)	1:A:92:PHE:HB2	1:A:92:PHE:HD2	5	0.15
(1,2854)	2:B:39:CYS:HB2	2:B:39:CYS:H	9	0.15
(1,2854)	2:B:39:CYS:HB3	2:B:39:CYS:H	9	0.15
(1,2805)	2:C:52:SER:HB3	2:B:68:ILE:HG22	5	0.15
(1,2805)	2:C:52:SER:HB3	2:B:68:ILE:HG21	5	0.15
(1,2805)	2:C:52:SER:HB3	2:B:68:ILE:HG23	5	0.15
(1,2780)	2:B:41:SER:HA	2:B:46:PHE:HE1	9	0.15
(1,2780)	2:B:41:SER:HA	2:B:46:PHE:HE2	9	0.15
(1,2740)	2:B:15:TYR:HB3	2:C:8:ILE:HG22	2	0.15
(1,2740)	2:B:15:TYR:HB3	2:C:8:ILE:HG21	2	0.15
(1,2740)	2:B:15:TYR:HB3	2:C:8:ILE:HG23	2	0.15
(1,2694)	2:B:54:ILE:HG22	2:B:46:PHE:HB2	1	0.15
(1,2694)	2:B:54:ILE:HG21	2:B:46:PHE:HB2	1	0.15
(1,2694)	2:B:54:ILE:HG23	2:B:46:PHE:HB2	1	0.15
(1,2638)	2:B:35:VAL:HG22	2:B:37:MET:HB3	10	0.15
(1,2638)	2:B:35:VAL:HG21	2:B:37:MET:HB3	10	0.15
(1,2638)	2:B:35:VAL:HG23	2:B:37:MET:HB3	10	0.15
(1,262)	1:A:80:LYS:HD3	1:A:86:PHE:HZ	9	0.15
(1,2464)	2:B:71:SER:HB3	2:B:71:SER:H	7	0.15
(1,2356)	2:B:49:GLU:HG2	2:B:49:GLU:H	1	0.15
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD1	7	0.15
(1,2346)	2:B:44:PHE:HB2	2:B:46:PHE:HD2	7	0.15
(1,2281)	2:C:12:ILE:HA	2:C:12:ILE:HG13	5	0.15
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD12	6	0.15
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD11	6	0.15
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD13	6	0.15
(1,2209)	2:C:23:LYS:HD2	2:C:23:LYS:HA	8	0.15
(1,2209)	2:C:23:LYS:HD3	2:C:23:LYS:HA	8	0.15
(1,2152)	2:B:48:ARG:HD3	2:B:48:ARG:HB3	6	0.15
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG22	5	0.15
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG21	5	0.15
(1,2082)	2:B:25:ILE:HD12	2:B:19:ILE:HG23	5	0.15
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG22	5	0.15
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG21	5	0.15
(1,2082)	2:B:25:ILE:HD11	2:B:19:ILE:HG23	5	0.15
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG22	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG21	5	0.15
(1,2082)	2:B:25:ILE:HD13	2:B:19:ILE:HG23	5	0.15
(1,2070)	2:B:51:VAL:HG22	2:B:14:ASN:HA	6	0.15
(1,2070)	2:B:51:VAL:HG21	2:B:14:ASN:HA	6	0.15
(1,2070)	2:B:51:VAL:HG23	2:B:14:ASN:HA	6	0.15
(1,2061)	2:C:55:LEU:HD22	2:C:14:ASN:H	3	0.15
(1,2061)	2:C:55:LEU:HD21	2:C:14:ASN:H	3	0.15
(1,2061)	2:C:55:LEU:HD23	2:C:14:ASN:H	3	0.15
(1,1855)	2:C:16:PHE:HB2	2:C:16:PHE:H	9	0.15
(1,1776)	1:A:99:LEU:H	1:A:97:THR:HG21	6	0.15
(1,1776)	1:A:99:LEU:H	1:A:97:THR:HG22	6	0.15
(1,1776)	1:A:99:LEU:H	1:A:97:THR:HG23	6	0.15
(1,1776)	1:A:99:LEU:H	1:A:114:ILE:HD12	6	0.15
(1,1776)	1:A:99:LEU:H	1:A:114:ILE:HD11	6	0.15
(1,1776)	1:A:99:LEU:H	1:A:114:ILE:HD13	6	0.15
(1,177)	1:A:132:LEU:HD22	1:A:97:THR:HA	2	0.15
(1,177)	1:A:132:LEU:HD21	1:A:97:THR:HA	2	0.15
(1,177)	1:A:132:LEU:HD23	1:A:97:THR:HA	2	0.15
(1,1736)	1:A:105:LEU:HD22	1:A:109:GLU:H	3	0.15
(1,1736)	1:A:105:LEU:HD21	1:A:109:GLU:H	3	0.15
(1,1736)	1:A:105:LEU:HD23	1:A:109:GLU:H	3	0.15
(1,1736)	1:A:105:LEU:HD22	1:A:110:LYS:H	3	0.15
(1,1736)	1:A:105:LEU:HD21	1:A:110:LYS:H	3	0.15
(1,1736)	1:A:105:LEU:HD23	1:A:110:LYS:H	3	0.15
(1,1736)	1:A:105:LEU:HD12	1:A:110:LYS:H	3	0.15
(1,1736)	1:A:105:LEU:HD11	1:A:110:LYS:H	3	0.15
(1,1736)	1:A:105:LEU:HD13	1:A:110:LYS:H	3	0.15
(1,1736)	1:A:110:LYS:H	1:A:105:LEU:HB3	3	0.15
(1,1659)	1:A:118:LYS:HB2	1:A:118:LYS:HE3	10	0.15
(1,1659)	1:A:124:LYS:HE2	1:A:124:LYS:HD3	10	0.15
(1,1632)	1:A:147:MET:HG3	1:A:118:LYS:HB3	7	0.15
(1,1632)	1:A:147:MET:HG3	1:A:120:LEU:HB2	7	0.15
(1,1632)	1:A:147:MET:HG3	1:A:120:LEU:HG	7	0.15
(1,1598)	1:A:128:ASP:HB2	1:A:128:ASP:H	1	0.15
(1,1598)	1:A:128:ASP:HB2	1:A:129:ASN:H	1	0.15
(1,1598)	1:A:128:ASP:HB2	1:A:128:ASP:H	8	0.15
(1,1598)	1:A:128:ASP:HB2	1:A:129:ASN:H	8	0.15
(1,1570)	1:A:139:PRO:HA	1:A:74:VAL:HG22	6	0.15
(1,1570)	1:A:139:PRO:HA	1:A:74:VAL:HG21	6	0.15
(1,1570)	1:A:139:PRO:HA	1:A:74:VAL:HG23	6	0.15
(1,1570)	1:A:139:PRO:HA	1:A:137:VAL:HG22	6	0.15
(1,1570)	1:A:139:PRO:HA	1:A:137:VAL:HG21	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1570)	1:A:139:PRO:HA	1:A:137:VAL:HG23	6	0.15
(1,1569)	1:A:143:THR:HA	1:A:77:THR:HB	4	0.15
(1,1569)	1:A:143:THR:HA	1:A:143:THR:HB	4	0.15
(1,1569)	1:A:143:THR:HA	1:A:77:THR:HB	6	0.15
(1,1569)	1:A:143:THR:HA	1:A:143:THR:HB	6	0.15
(1,1523)	1:A:111:ALA:HA	1:A:148:ILE:HD12	5	0.15
(1,1523)	1:A:111:ALA:HA	1:A:148:ILE:HD11	5	0.15
(1,1523)	1:A:111:ALA:HA	1:A:148:ILE:HD13	5	0.15
(1,1523)	1:A:148:ILE:HG22	1:A:111:ALA:HA	5	0.15
(1,1523)	1:A:148:ILE:HG21	1:A:111:ALA:HA	5	0.15
(1,1523)	1:A:148:ILE:HG23	1:A:111:ALA:HA	5	0.15
(1,147)	1:A:132:LEU:HD22	1:A:98:ILE:H	6	0.15
(1,147)	1:A:132:LEU:HD21	1:A:98:ILE:H	6	0.15
(1,147)	1:A:132:LEU:HD23	1:A:98:ILE:H	6	0.15
(1,1448)	1:A:78:LEU:HD12	1:A:90:HIS:HE1	1	0.15
(1,1448)	1:A:78:LEU:HD11	1:A:90:HIS:HE1	1	0.15
(1,1448)	1:A:78:LEU:HD13	1:A:90:HIS:HE1	1	0.15
(1,1448)	1:A:78:LEU:HD12	1:A:104:HIS:HE1	1	0.15
(1,1448)	1:A:78:LEU:HD11	1:A:104:HIS:HE1	1	0.15
(1,1448)	1:A:78:LEU:HD13	1:A:104:HIS:HE1	1	0.15
(1,1423)	1:A:119:LEU:HD22	1:A:117:ILE:HB	1	0.15
(1,1423)	1:A:119:LEU:HD21	1:A:117:ILE:HB	1	0.15
(1,1423)	1:A:119:LEU:HD23	1:A:117:ILE:HB	1	0.15
(1,1423)	1:A:119:LEU:HD22	1:A:118:LYS:HB2	1	0.15
(1,1423)	1:A:119:LEU:HD21	1:A:118:LYS:HB2	1	0.15
(1,1423)	1:A:119:LEU:HD23	1:A:118:LYS:HB2	1	0.15
(1,1423)	1:A:119:LEU:HD22	1:A:126:LEU:HB3	1	0.15
(1,1423)	1:A:119:LEU:HD21	1:A:126:LEU:HB3	1	0.15
(1,1423)	1:A:119:LEU:HD23	1:A:126:LEU:HB3	1	0.15
(1,1412)	1:A:151:ASN:HA	1:A:151:ASN:H	9	0.15
(1,1327)	1:A:100:GLN:HE21	1:A:99:LEU:HB2	6	0.15
(1,1270)	1:A:108:GLU:H	1:A:106:ILE:HG22	8	0.15
(1,1270)	1:A:108:GLU:H	1:A:106:ILE:HG21	8	0.15
(1,1270)	1:A:108:GLU:H	1:A:106:ILE:HG23	8	0.15
(1,1159)	1:A:152:LEU:HG	1:A:152:LEU:H	4	0.15
(1,113)	1:A:77:THR:HG21	1:A:88:ILE:H	8	0.15
(1,113)	1:A:77:THR:HG22	1:A:88:ILE:H	8	0.15
(1,113)	1:A:77:THR:HG23	1:A:88:ILE:H	8	0.15
(1,1114)	1:A:114:ILE:H	1:A:114:ILE:HG22	8	0.15
(1,1114)	1:A:114:ILE:H	1:A:114:ILE:HG21	8	0.15
(1,1114)	1:A:114:ILE:H	1:A:114:ILE:HG23	8	0.15
(1,101)	1:A:77:THR:HG21	1:A:87:SER:HB3	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:A:77:THR:HG22	1:A:87:SER:HB3	3	0.15
(1,101)	1:A:77:THR:HG23	1:A:87:SER:HB3	3	0.15
(3,18)	1:A:144:ILE:N	1:A:77:THR:O	9	0.14
(1,809)	1:A:126:LEU:HB2	1:A:126:LEU:H	2	0.14
(1,809)	1:A:126:LEU:HB2	1:A:126:LEU:H	3	0.14
(1,786)	1:A:126:LEU:HD12	1:A:124:LYS:HD3	3	0.14
(1,786)	1:A:126:LEU:HD11	1:A:124:LYS:HD3	3	0.14
(1,786)	1:A:126:LEU:HD13	1:A:124:LYS:HD3	3	0.14
(1,75)	1:A:98:ILE:HG22	1:A:128:ASP:HA	6	0.14
(1,75)	1:A:98:ILE:HG21	1:A:128:ASP:HA	6	0.14
(1,75)	1:A:98:ILE:HG23	1:A:128:ASP:HA	6	0.14
(1,720)	1:A:148:ILE:HD12	1:A:86:PHE:HZ	2	0.14
(1,720)	1:A:148:ILE:HD11	1:A:86:PHE:HZ	2	0.14
(1,720)	1:A:148:ILE:HD13	1:A:86:PHE:HZ	2	0.14
(1,683)	1:A:106:ILE:HG12	1:A:106:ILE:H	4	0.14
(1,673)	1:A:81:ILE:HG13	1:A:145:THR:HA	7	0.14
(1,672)	1:A:121:LEU:HD22	1:A:144:ILE:HA	3	0.14
(1,672)	1:A:121:LEU:HD21	1:A:144:ILE:HA	3	0.14
(1,672)	1:A:121:LEU:HD23	1:A:144:ILE:HA	3	0.14
(1,661)	1:A:76:LEU:HD22	1:A:76:LEU:HA	4	0.14
(1,661)	1:A:76:LEU:HD21	1:A:76:LEU:HA	4	0.14
(1,661)	1:A:76:LEU:HD23	1:A:76:LEU:HA	4	0.14
(1,54)	1:A:81:ILE:HD12	1:A:82:GLN:H	10	0.14
(1,54)	1:A:81:ILE:HD11	1:A:82:GLN:H	10	0.14
(1,54)	1:A:81:ILE:HD13	1:A:82:GLN:H	10	0.14
(1,514)	1:A:138:THR:HB	1:A:141:ASN:HB2	8	0.14
(1,460)	1:A:126:LEU:HD12	1:A:120:LEU:HA	7	0.14
(1,460)	1:A:126:LEU:HD11	1:A:120:LEU:HA	7	0.14
(1,460)	1:A:126:LEU:HD13	1:A:120:LEU:HA	7	0.14
(1,4187)	1:A:81:ILE:HG21	2:B:36:ALA:H	10	0.14
(1,4187)	1:A:81:ILE:HG22	2:B:36:ALA:H	10	0.14
(1,4187)	1:A:81:ILE:HG23	2:B:36:ALA:H	10	0.14
(1,4187)	1:A:81:ILE:HG21	2:C:36:ALA:H	10	0.14
(1,4187)	1:A:81:ILE:HG22	2:C:36:ALA:H	10	0.14
(1,4187)	1:A:81:ILE:HG23	2:C:36:ALA:H	10	0.14
(1,4187)	1:A:81:ILE:HG21	2:B:39:CYS:H	10	0.14
(1,4187)	1:A:81:ILE:HG22	2:B:39:CYS:H	10	0.14
(1,4187)	1:A:81:ILE:HG23	2:B:39:CYS:H	10	0.14
(1,4187)	1:A:81:ILE:HG21	2:C:39:CYS:H	10	0.14
(1,4187)	1:A:81:ILE:HG22	2:C:39:CYS:H	10	0.14
(1,4187)	1:A:81:ILE:HG23	2:C:39:CYS:H	10	0.14
(1,418)	1:A:136:LYS:HG2	1:A:136:LYS:H	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,414)	1:A:118:LYS:HG2	1:A:118:LYS:H	10	0.14
(1,4084)	2:B:14:ASN:H	2:B:12:ILE:HG22	5	0.14
(1,4084)	2:B:14:ASN:H	2:B:12:ILE:HG21	5	0.14
(1,4084)	2:B:14:ASN:H	2:B:12:ILE:HG23	5	0.14
(1,4084)	2:B:55:LEU:HD22	2:B:14:ASN:H	5	0.14
(1,4084)	2:B:55:LEU:HD21	2:B:14:ASN:H	5	0.14
(1,4084)	2:B:55:LEU:HD23	2:B:14:ASN:H	5	0.14
(1,4050)	2:B:54:ILE:HB	2:B:8:ILE:H	8	0.14
(1,4050)	2:B:54:ILE:HB	2:B:50:ALA:H	8	0.14
(1,4000)	2:B:13:VAL:HG22	2:B:46:PHE:HE1	9	0.14
(1,4000)	2:B:13:VAL:HG22	2:B:46:PHE:HE2	9	0.14
(1,4000)	2:B:13:VAL:HG21	2:B:46:PHE:HE1	9	0.14
(1,4000)	2:B:13:VAL:HG21	2:B:46:PHE:HE2	9	0.14
(1,4000)	2:B:13:VAL:HG23	2:B:46:PHE:HE1	9	0.14
(1,4000)	2:B:13:VAL:HG23	2:B:46:PHE:HE2	9	0.14
(1,4000)	2:B:40:ILE:HG22	2:B:46:PHE:HE1	9	0.14
(1,4000)	2:B:40:ILE:HG22	2:B:46:PHE:HE2	9	0.14
(1,4000)	2:B:40:ILE:HG21	2:B:46:PHE:HE1	9	0.14
(1,4000)	2:B:40:ILE:HG21	2:B:46:PHE:HE2	9	0.14
(1,4000)	2:B:40:ILE:HG23	2:B:46:PHE:HE1	9	0.14
(1,4000)	2:B:40:ILE:HG23	2:B:46:PHE:HE2	9	0.14
(1,3928)	2:B:39:CYS:HB2	2:C:35:VAL:HB	3	0.14
(1,3928)	2:B:39:CYS:HB3	2:C:35:VAL:HB	3	0.14
(1,3928)	2:B:39:CYS:HB2	2:B:35:VAL:HB	3	0.14
(1,3928)	2:B:39:CYS:HB3	2:B:35:VAL:HB	3	0.14
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD12	4	0.14
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD11	4	0.14
(1,3740)	2:B:25:ILE:HD12	2:B:19:ILE:HD13	4	0.14
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD12	4	0.14
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD11	4	0.14
(1,3740)	2:B:25:ILE:HD11	2:B:19:ILE:HD13	4	0.14
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD12	4	0.14
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD11	4	0.14
(1,3740)	2:B:25:ILE:HD13	2:B:19:ILE:HD13	4	0.14
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG22	4	0.14
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG21	4	0.14
(1,3740)	2:B:19:ILE:HD12	2:C:8:ILE:HG23	4	0.14
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG22	4	0.14
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG21	4	0.14
(1,3740)	2:B:19:ILE:HD11	2:C:8:ILE:HG23	4	0.14
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG22	4	0.14
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG21	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3740)	2:B:19:ILE:HD13	2:C:8:ILE:HG23	4	0.14
(1,3729)	2:C:12:ILE:HD12	2:B:12:ILE:HA	9	0.14
(1,3729)	2:C:12:ILE:HD11	2:B:12:ILE:HA	9	0.14
(1,3729)	2:C:12:ILE:HD13	2:B:12:ILE:HA	9	0.14
(1,3729)	2:C:12:ILE:HA	2:C:12:ILE:HD12	9	0.14
(1,3729)	2:C:12:ILE:HA	2:C:12:ILE:HD11	9	0.14
(1,3729)	2:C:12:ILE:HA	2:C:12:ILE:HD13	9	0.14
(1,3709)	2:C:4:SER:HB2	2:C:5:LYS:H	6	0.14
(1,3709)	2:C:26:SER:HB2	2:C:27:GLU:H	6	0.14
(1,3671)	2:C:3:ALA:HB2	2:C:60:PHE:HD1	1	0.14
(1,3671)	2:C:3:ALA:HB2	2:C:60:PHE:HD2	1	0.14
(1,3671)	2:C:3:ALA:HB1	2:C:60:PHE:HD1	1	0.14
(1,3671)	2:C:3:ALA:HB1	2:C:60:PHE:HD2	1	0.14
(1,3671)	2:C:3:ALA:HB3	2:C:60:PHE:HD1	1	0.14
(1,3671)	2:C:3:ALA:HB3	2:C:60:PHE:HD2	1	0.14
(1,3671)	2:C:3:ALA:HB2	2:B:60:PHE:HD1	1	0.14
(1,3671)	2:C:3:ALA:HB2	2:B:60:PHE:HD2	1	0.14
(1,3671)	2:C:3:ALA:HB1	2:B:60:PHE:HD1	1	0.14
(1,3671)	2:C:3:ALA:HB1	2:B:60:PHE:HD2	1	0.14
(1,3671)	2:C:3:ALA:HB3	2:B:60:PHE:HD1	1	0.14
(1,3671)	2:C:3:ALA:HB3	2:B:60:PHE:HD2	1	0.14
(1,3643)	2:C:68:ILE:HB	2:C:71:SER:H	5	0.14
(1,3643)	2:C:68:ILE:HB	2:B:54:ILE:H	5	0.14
(1,3555)	2:C:25:ILE:HD12	2:C:19:ILE:HB	6	0.14
(1,3555)	2:C:25:ILE:HD11	2:C:19:ILE:HB	6	0.14
(1,3555)	2:C:25:ILE:HD13	2:C:19:ILE:HB	6	0.14
(1,3555)	2:C:25:ILE:HD12	2:B:5:LYS:HB3	6	0.14
(1,3555)	2:C:25:ILE:HD11	2:B:5:LYS:HB3	6	0.14
(1,3555)	2:C:25:ILE:HD13	2:B:5:LYS:HB3	6	0.14
(1,3554)	2:B:25:ILE:HD12	2:B:19:ILE:HB	9	0.14
(1,3554)	2:B:25:ILE:HD11	2:B:19:ILE:HB	9	0.14
(1,3554)	2:B:25:ILE:HD13	2:B:19:ILE:HB	9	0.14
(1,3554)	2:B:25:ILE:HD12	2:C:5:LYS:HB3	9	0.14
(1,3554)	2:B:25:ILE:HD11	2:C:5:LYS:HB3	9	0.14
(1,3554)	2:B:25:ILE:HD13	2:C:5:LYS:HB3	9	0.14
(1,3420)	2:B:51:VAL:H	2:B:54:ILE:HG12	9	0.14
(1,3175)	2:C:7:GLU:H	2:C:4:SER:HB3	3	0.14
(1,3105)	2:C:51:VAL:HB	2:C:52:SER:H	10	0.14
(1,3050)	2:B:16:PHE:HB3	2:B:16:PHE:H	4	0.14
(1,2951)	2:C:60:PHE:HD1	2:C:54:ILE:HB	3	0.14
(1,2951)	2:C:60:PHE:HD2	2:C:54:ILE:HB	3	0.14
(1,2885)	2:C:6:GLU:HG2	2:C:54:ILE:HG22	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2885)	2:C:6:GLU:HG2	2:C:54:ILE:HG21	8	0.14
(1,2885)	2:C:6:GLU:HG2	2:C:54:ILE:HG23	8	0.14
(1,2863)	2:C:37:MET:HA	2:C:37:MET:HG2	3	0.14
(1,2855)	2:C:39:CYS:HB2	2:C:39:CYS:H	5	0.14
(1,2855)	2:C:39:CYS:HB3	2:C:39:CYS:H	5	0.14
(1,2851)	2:C:26:SER:HB2	2:C:28:ASP:H	8	0.14
(1,2821)	2:C:5:LYS:HE2	2:B:24:GLU:HB3	8	0.14
(1,2790)	2:B:33:LEU:HD12	2:B:19:ILE:HB	4	0.14
(1,2790)	2:B:33:LEU:HD11	2:B:19:ILE:HB	4	0.14
(1,2790)	2:B:33:LEU:HD13	2:B:19:ILE:HB	4	0.14
(1,2781)	2:C:41:SER:HA	2:C:46:PHE:HE1	6	0.14
(1,2781)	2:C:41:SER:HA	2:C:46:PHE:HE2	6	0.14
(1,2743)	2:C:29:GLY:HA2	2:B:43:ALA:HB2	4	0.14
(1,2743)	2:C:29:GLY:HA2	2:B:43:ALA:HB1	4	0.14
(1,2743)	2:C:29:GLY:HA2	2:B:43:ALA:HB3	4	0.14
(1,2535)	2:C:36:ALA:HB2	2:B:40:ILE:HG13	1	0.14
(1,2535)	2:C:36:ALA:HB1	2:B:40:ILE:HG13	1	0.14
(1,2535)	2:C:36:ALA:HB3	2:B:40:ILE:HG13	1	0.14
(1,2501)	2:C:25:ILE:HG22	2:C:20:VAL:HB	9	0.14
(1,2501)	2:C:25:ILE:HG21	2:C:20:VAL:HB	9	0.14
(1,2501)	2:C:25:ILE:HG23	2:C:20:VAL:HB	9	0.14
(1,2483)	2:C:25:ILE:HB	2:C:19:ILE:HG22	1	0.14
(1,2483)	2:C:25:ILE:HB	2:C:19:ILE:HG21	1	0.14
(1,2483)	2:C:25:ILE:HB	2:C:19:ILE:HG23	1	0.14
(1,2464)	2:B:71:SER:HB3	2:B:71:SER:H	3	0.14
(1,2464)	2:B:71:SER:HB3	2:B:71:SER:H	6	0.14
(1,2152)	2:B:48:ARG:HD3	2:B:48:ARG:HB3	10	0.14
(1,2112)	2:B:13:VAL:HG22	2:B:51:VAL:HB	6	0.14
(1,2112)	2:B:13:VAL:HG21	2:B:51:VAL:HB	6	0.14
(1,2112)	2:B:13:VAL:HG23	2:B:51:VAL:HB	6	0.14
(1,2112)	2:B:13:VAL:HG22	2:B:51:VAL:HB	7	0.14
(1,2112)	2:B:13:VAL:HG21	2:B:51:VAL:HB	7	0.14
(1,2112)	2:B:13:VAL:HG23	2:B:51:VAL:HB	7	0.14
(1,2098)	2:B:19:ILE:HD12	2:C:5:LYS:HE3	5	0.14
(1,2098)	2:B:19:ILE:HD11	2:C:5:LYS:HE3	5	0.14
(1,2098)	2:B:19:ILE:HD13	2:C:5:LYS:HE3	5	0.14
(1,2060)	2:B:55:LEU:HD22	2:B:14:ASN:H	5	0.14
(1,2060)	2:B:55:LEU:HD21	2:B:14:ASN:H	5	0.14
(1,2060)	2:B:55:LEU:HD23	2:B:14:ASN:H	5	0.14
(1,2)	1:A:120:LEU:HD12	1:A:120:LEU:H	9	0.14
(1,2)	1:A:120:LEU:HD11	1:A:120:LEU:H	9	0.14
(1,2)	1:A:120:LEU:HD13	1:A:120:LEU:H	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1923)	2:C:15:TYR:HB2	2:C:15:TYR:HD1	2	0.14
(1,1923)	2:C:15:TYR:HB2	2:C:15:TYR:HD2	2	0.14
(1,186)	1:A:120:LEU:HD22	1:A:120:LEU:H	4	0.14
(1,186)	1:A:120:LEU:HD21	1:A:120:LEU:H	4	0.14
(1,186)	1:A:120:LEU:HD23	1:A:120:LEU:H	4	0.14
(1,1854)	2:B:16:PHE:HB2	2:B:16:PHE:H	8	0.14
(1,1854)	2:B:16:PHE:HB2	2:B:16:PHE:H	10	0.14
(1,1818)	1:A:99:LEU:HD22	1:A:129:ASN:HD22	10	0.14
(1,1818)	1:A:99:LEU:HD21	1:A:129:ASN:HD22	10	0.14
(1,1818)	1:A:99:LEU:HD23	1:A:129:ASN:HD22	10	0.14
(1,1818)	1:A:129:ASN:HD22	1:A:130:LEU:HD22	10	0.14
(1,1818)	1:A:129:ASN:HD22	1:A:130:LEU:HD21	10	0.14
(1,1818)	1:A:129:ASN:HD22	1:A:130:LEU:HD23	10	0.14
(1,1793)	1:A:141:ASN:HB2	1:A:138:THR:H	5	0.14
(1,1793)	1:A:141:ASN:HB2	1:A:140:ALA:H	5	0.14
(1,1711)	1:A:123:GLY:H	1:A:126:LEU:HD12	5	0.14
(1,1711)	1:A:123:GLY:H	1:A:126:LEU:HD11	5	0.14
(1,1711)	1:A:123:GLY:H	1:A:126:LEU:HD13	5	0.14
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD22	5	0.14
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD21	5	0.14
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD23	5	0.14
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD12	5	0.14
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD11	5	0.14
(1,1711)	1:A:123:GLY:H	1:A:120:LEU:HD13	5	0.14
(1,1476)	1:A:85:LYS:HB2	1:A:85:LYS:HE3	10	0.14
(1,1476)	1:A:149:LYS:HB2	1:A:149:LYS:HE3	10	0.14
(1,1428)	1:A:106:ILE:HD12	1:A:102:LYS:HB3	1	0.14
(1,1428)	1:A:106:ILE:HD11	1:A:102:LYS:HB3	1	0.14
(1,1428)	1:A:106:ILE:HD13	1:A:102:LYS:HB3	1	0.14
(1,1428)	1:A:106:ILE:HD12	1:A:103:GLN:HB3	1	0.14
(1,1428)	1:A:106:ILE:HD11	1:A:103:GLN:HB3	1	0.14
(1,1428)	1:A:106:ILE:HD13	1:A:103:GLN:HB3	1	0.14
(1,1412)	1:A:151:ASN:HA	1:A:151:ASN:H	4	0.14
(1,1169)	1:A:125:VAL:HG22	1:A:125:VAL:H	5	0.14
(1,1169)	1:A:125:VAL:HG21	1:A:125:VAL:H	5	0.14
(1,1169)	1:A:125:VAL:HG23	1:A:125:VAL:H	5	0.14
(1,1133)	1:A:126:LEU:HD12	1:A:126:LEU:H	8	0.14
(1,1133)	1:A:126:LEU:HD11	1:A:126:LEU:H	8	0.14
(1,1133)	1:A:126:LEU:HD13	1:A:126:LEU:H	8	0.14
(1,113)	1:A:77:THR:HG21	1:A:88:ILE:H	4	0.14
(1,113)	1:A:77:THR:HG22	1:A:88:ILE:H	4	0.14
(1,113)	1:A:77:THR:HG23	1:A:88:ILE:H	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11)	1:A:119:LEU:HD22	1:A:102:LYS:HB3	5	0.14
(1,11)	1:A:119:LEU:HD21	1:A:102:LYS:HB3	5	0.14
(1,11)	1:A:119:LEU:HD23	1:A:102:LYS:HB3	5	0.14
(1,106)	1:A:126:LEU:HD12	1:A:121:LEU:H	2	0.14
(1,106)	1:A:126:LEU:HD11	1:A:121:LEU:H	2	0.14
(1,106)	1:A:126:LEU:HD13	1:A:121:LEU:H	2	0.14
(1,1033)	1:A:106:ILE:HG13	1:A:106:ILE:H	2	0.14
(1,101)	1:A:77:THR:HG21	1:A:87:SER:HB3	2	0.14
(1,101)	1:A:77:THR:HG22	1:A:87:SER:HB3	2	0.14
(1,101)	1:A:77:THR:HG23	1:A:87:SER:HB3	2	0.14
(1,101)	1:A:77:THR:HG21	1:A:87:SER:HB3	9	0.14
(1,101)	1:A:77:THR:HG22	1:A:87:SER:HB3	9	0.14
(1,101)	1:A:77:THR:HG23	1:A:87:SER:HB3	9	0.14
(1,1008)	1:A:97:THR:HB	1:A:98:ILE:H	5	0.14
(3,90)	2:B:38:ASP:N	2:B:34:ASN:O	2	0.13
(3,9)	1:A:86:PHE:H	1:A:80:LYS:O	4	0.13
(3,89)	2:B:38:ASP:H	2:B:34:ASN:O	5	0.13
(3,18)	1:A:144:ILE:N	1:A:77:THR:O	5	0.13
(1,84)	1:A:148:ILE:HG22	1:A:112:SER:H	5	0.13
(1,84)	1:A:148:ILE:HG21	1:A:112:SER:H	5	0.13
(1,84)	1:A:148:ILE:HG23	1:A:112:SER:H	5	0.13
(1,80)	1:A:148:ILE:HG22	1:A:112:SER:HA	6	0.13
(1,80)	1:A:148:ILE:HG21	1:A:112:SER:HA	6	0.13
(1,80)	1:A:148:ILE:HG23	1:A:112:SER:HA	6	0.13
(1,769)	1:A:132:LEU:HA	1:A:135:LEU:HD12	1	0.13
(1,769)	1:A:132:LEU:HA	1:A:135:LEU:HD11	1	0.13
(1,769)	1:A:132:LEU:HA	1:A:135:LEU:HD13	1	0.13
(1,67)	1:A:83:ALA:HB2	1:A:85:LYS:H	2	0.13
(1,67)	1:A:83:ALA:HB1	1:A:85:LYS:H	2	0.13
(1,67)	1:A:83:ALA:HB3	1:A:85:LYS:H	2	0.13
(1,647)	1:A:105:LEU:HB3	1:A:111:ALA:HB2	6	0.13
(1,647)	1:A:105:LEU:HB3	1:A:111:ALA:HB1	6	0.13
(1,647)	1:A:105:LEU:HB3	1:A:111:ALA:HB3	6	0.13
(1,533)	1:A:114:ILE:HA	1:A:114:ILE:HG12	2	0.13
(1,533)	1:A:114:ILE:HA	1:A:114:ILE:HG12	10	0.13
(1,4188)	1:A:79:LYS:HE3	2:B:35:VAL:H	8	0.13
(1,4188)	1:A:79:LYS:HE3	2:B:35:VAL:H	8	0.13
(1,4188)	1:A:79:LYS:HE2	2:C:35:VAL:H	8	0.13
(1,4188)	1:A:79:LYS:HE2	2:C:35:VAL:H	8	0.13
(1,4186)	1:A:120:LEU:HG	2:B:35:VAL:H	2	0.13
(1,4186)	1:A:120:LEU:HG	2:C:35:VAL:H	2	0.13
(1,4186)	1:A:120:LEU:HG	2:B:35:VAL:H	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4186)	1:A:120:LEU:HG	2:C:35:VAL:H	10	0.13
(1,4185)	1:A:120:LEU:HG	2:B:35:VAL:H	2	0.13
(1,4185)	1:A:120:LEU:HG	2:C:35:VAL:H	2	0.13
(1,4185)	1:A:120:LEU:HG	2:B:35:VAL:H	10	0.13
(1,4185)	1:A:120:LEU:HG	2:C:35:VAL:H	10	0.13
(1,4180)	1:A:147:MET:HE1	2:B:38:ASP:H	2	0.13
(1,4180)	1:A:147:MET:HE2	2:B:38:ASP:H	2	0.13
(1,4180)	1:A:147:MET:HE3	2:B:38:ASP:H	2	0.13
(1,4180)	1:A:147:MET:HE1	2:C:38:ASP:H	2	0.13
(1,4180)	1:A:147:MET:HE2	2:C:38:ASP:H	2	0.13
(1,4180)	1:A:147:MET:HE3	2:C:38:ASP:H	2	0.13
(1,4180)	1:A:147:MET:HE1	2:B:31:ASP:H	2	0.13
(1,4180)	1:A:147:MET:HE2	2:B:31:ASP:H	2	0.13
(1,4180)	1:A:147:MET:HE3	2:B:31:ASP:H	2	0.13
(1,4180)	1:A:147:MET:HE1	2:C:31:ASP:H	2	0.13
(1,4180)	1:A:147:MET:HE2	2:C:31:ASP:H	2	0.13
(1,4180)	1:A:147:MET:HE3	2:C:31:ASP:H	2	0.13
(1,4175)	1:A:125:VAL:C	2:B:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:35:VAL:HG22	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:C	2:B:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:C	2:B:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:31:ASP:C	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:C	2:C:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:39:CYS:CB	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:C	2:C:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:C	2:C:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:35:VAL:HA	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:CA	2:B:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:42:GLU:HG2	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:CA	2:B:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:CA	2:B:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:38:ASP:N	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:CA	2:C:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:CA	2:C:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:35:VAL:C	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:CB	2:B:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:42:GLU:CD	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:CB	2:B:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:CB	2:B:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:38:ASP:CB	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:CB	2:C:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:CB	2:C:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:31:ASP:HB2	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:CG1	2:B:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:39:CYS:N	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:CG1	2:B:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:B:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:35:VAL:HG22	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:CG1	2:C:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:CG1	2:C:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:31:ASP:C	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:CG2	2:B:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:39:CYS:CB	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:CG2	2:B:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:B:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:35:VAL:HA	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:CG2	2:C:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:42:GLU:HG2	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:CG2	2:C:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:CG2	2:C:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:38:ASP:N	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:H	2:B:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:H	2:B:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:35:VAL:C	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:H	2:C:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:42:GLU:CD	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:H	2:C:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:H	2:C:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:38:ASP:CB	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HA	2:B:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:HA	2:B:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:31:ASP:HB2	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HA	2:C:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:39:CYS:N	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HA	2:C:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:HA	2:C:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:35:VAL:HG22	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HB	2:B:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:HB	2:B:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:31:ASP:C	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HB	2:C:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:39:CYS:CB	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HB	2:C:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:HB	2:C:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:35:VAL:HA	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HG11	2:B:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:42:GLU:HG2	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HG11	2:B:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:B:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:38:ASP:N	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HG11	2:C:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:HG11	2:C:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:35:VAL:C	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HG12	2:B:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:42:GLU:CD	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HG12	2:B:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:B:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:38:ASP:CB	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HG12	2:C:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:HG12	2:C:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:31:ASP:HB2	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HG13	2:B:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:39:CYS:N	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HG13	2:B:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:B:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:35:VAL:HG22	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HG13	2:C:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:HG13	2:C:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:31:ASP:C	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HG21	2:B:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:39:CYS:CB	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HG21	2:B:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:B:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:35:VAL:HA	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HG21	2:C:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:42:GLU:HG2	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HG21	2:C:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:HG21	2:C:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:38:ASP:N	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HG22	2:B:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:B:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:35:VAL:C	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HG22	2:C:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:42:GLU:CD	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HG22	2:C:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:HG22	2:C:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:38:ASP:CB	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HG23	2:B:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:B:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:31:ASP:HB2	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HG23	2:C:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:39:CYS:N	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:HG23	2:C:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:HG23	2:C:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:35:VAL:HG22	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:N	2:B:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:N	2:B:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:31:ASP:C	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:N	2:C:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:39:CYS:CB	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:N	2:C:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:N	2:C:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:35:VAL:HA	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:O	2:B:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:38:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:42:GLU:HG2	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:O	2:B:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:O	2:B:42:GLU:OE2	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:31:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:31:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:31:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:31:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:31:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:31:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:31:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:31:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:31:ASP:N	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:31:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:31:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:31:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:35:VAL:C	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:35:VAL:CA	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:35:VAL:CB	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:35:VAL:CG1	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:35:VAL:CG2	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:35:VAL:H	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:35:VAL:HA	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:35:VAL:HB	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:35:VAL:HG11	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:35:VAL:HG12	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:35:VAL:HG13	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:35:VAL:HG21	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:35:VAL:HG22	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:35:VAL:HG23	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:35:VAL:N	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:35:VAL:O	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:38:ASP:C	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:38:ASP:CA	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:38:ASP:CB	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:38:ASP:CG	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:38:ASP:H	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:38:ASP:HA	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:38:ASP:HB2	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:38:ASP:HB3	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:38:ASP:N	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4175)	1:A:125:VAL:O	2:C:38:ASP:O	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:38:ASP:OD1	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:38:ASP:OD2	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:39:CYS:C	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:39:CYS:CA	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:39:CYS:CB	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:39:CYS:H	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:39:CYS:HA	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:39:CYS:HB2	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:39:CYS:HB3	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:39:CYS:HG	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:39:CYS:N	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:39:CYS:O	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:39:CYS:SG	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:42:GLU:C	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:42:GLU:CA	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:42:GLU:CB	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:42:GLU:CD	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:42:GLU:CG	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:42:GLU:H	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:42:GLU:HA	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:42:GLU:HB2	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:42:GLU:HB3	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:42:GLU:HG2	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:42:GLU:HG3	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:42:GLU:N	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:42:GLU:O	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:42:GLU:OE1	9	0.13
(1,4175)	1:A:125:VAL:O	2:C:42:GLU:OE2	9	0.13
(1,3850)	2:B:40:ILE:HG22	2:B:6:GLU:HG2	2	0.13
(1,3850)	2:B:40:ILE:HG21	2:B:6:GLU:HG2	2	0.13
(1,3850)	2:B:40:ILE:HG23	2:B:6:GLU:HG2	2	0.13
(1,3850)	2:B:40:ILE:HG22	2:B:13:VAL:HB	2	0.13
(1,3850)	2:B:40:ILE:HG21	2:B:13:VAL:HB	2	0.13
(1,3850)	2:B:40:ILE:HG23	2:B:13:VAL:HB	2	0.13
(1,3814)	2:B:5:LYS:HG2	2:B:5:LYS:H	4	0.13
(1,3814)	2:B:5:LYS:HG2	2:B:6:GLU:H	4	0.13
(1,3814)	2:B:5:LYS:HG2	2:B:5:LYS:H	7	0.13
(1,3814)	2:B:5:LYS:HG2	2:B:6:GLU:H	7	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:13:VAL:HG22	7	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:13:VAL:HG21	7	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:13:VAL:HG23	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3732)	2:B:12:ILE:HD11	2:B:13:VAL:HG22	7	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:13:VAL:HG21	7	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:13:VAL:HG23	7	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:13:VAL:HG22	7	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:13:VAL:HG21	7	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:13:VAL:HG23	7	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HG22	7	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HG21	7	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HG23	7	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HG22	7	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HG21	7	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HG23	7	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HG22	7	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HG21	7	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HG23	7	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HD12	7	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HD11	7	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HD13	7	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HD12	7	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HD11	7	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HD13	7	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HD12	7	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HD11	7	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HD13	7	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:13:VAL:HG22	8	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:13:VAL:HG21	8	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:13:VAL:HG23	8	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:13:VAL:HG22	8	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:13:VAL:HG21	8	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:13:VAL:HG23	8	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:13:VAL:HG22	8	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:13:VAL:HG21	8	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:13:VAL:HG23	8	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HG22	8	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HG21	8	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HG23	8	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HG22	8	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HG21	8	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HG23	8	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HG22	8	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HG21	8	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HG23	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HD12	8	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HD11	8	0.13
(1,3732)	2:B:12:ILE:HD12	2:B:40:ILE:HD13	8	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HD12	8	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HD11	8	0.13
(1,3732)	2:B:12:ILE:HD11	2:B:40:ILE:HD13	8	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HD12	8	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HD11	8	0.13
(1,3732)	2:B:12:ILE:HD13	2:B:40:ILE:HD13	8	0.13
(1,3728)	2:B:12:ILE:HD12	2:C:12:ILE:HA	5	0.13
(1,3728)	2:B:12:ILE:HD11	2:C:12:ILE:HA	5	0.13
(1,3728)	2:B:12:ILE:HD13	2:C:12:ILE:HA	5	0.13
(1,3728)	2:B:12:ILE:HA	2:B:12:ILE:HD12	5	0.13
(1,3728)	2:B:12:ILE:HA	2:B:12:ILE:HD11	5	0.13
(1,3728)	2:B:12:ILE:HA	2:B:12:ILE:HD13	5	0.13
(1,3709)	2:C:4:SER:HB2	2:C:5:LYS:H	7	0.13
(1,3709)	2:C:26:SER:HB2	2:C:27:GLU:H	7	0.13
(1,3639)	2:C:55:LEU:HB2	2:C:55:LEU:H	5	0.13
(1,3639)	2:C:55:LEU:HB2	2:C:56:GLY:H	5	0.13
(1,3575)	2:C:33:LEU:HB2	2:C:33:LEU:HD22	2	0.13
(1,3575)	2:C:33:LEU:HB2	2:C:33:LEU:HD21	2	0.13
(1,3575)	2:C:33:LEU:HB2	2:C:33:LEU:HD23	2	0.13
(1,3575)	2:C:33:LEU:HD22	2:B:43:ALA:HB2	2	0.13
(1,3575)	2:C:33:LEU:HD22	2:B:43:ALA:HB1	2	0.13
(1,3575)	2:C:33:LEU:HD22	2:B:43:ALA:HB3	2	0.13
(1,3575)	2:C:33:LEU:HD21	2:B:43:ALA:HB2	2	0.13
(1,3575)	2:C:33:LEU:HD21	2:B:43:ALA:HB1	2	0.13
(1,3575)	2:C:33:LEU:HD21	2:B:43:ALA:HB3	2	0.13
(1,3575)	2:C:33:LEU:HD23	2:B:43:ALA:HB2	2	0.13
(1,3575)	2:C:33:LEU:HD23	2:B:43:ALA:HB1	2	0.13
(1,3575)	2:C:33:LEU:HD23	2:B:43:ALA:HB3	2	0.13
(1,3553)	2:C:25:ILE:HD12	2:C:24:GLU:HB3	9	0.13
(1,3553)	2:C:25:ILE:HD11	2:C:24:GLU:HB3	9	0.13
(1,3553)	2:C:25:ILE:HD13	2:C:24:GLU:HB3	9	0.13
(1,3553)	2:C:25:ILE:HD12	2:C:20:VAL:HB	9	0.13
(1,3553)	2:C:25:ILE:HD11	2:C:20:VAL:HB	9	0.13
(1,3553)	2:C:25:ILE:HD13	2:C:20:VAL:HB	9	0.13
(1,3542)	2:B:51:VAL:HG22	2:B:13:VAL:HB	9	0.13
(1,3542)	2:B:51:VAL:HG21	2:B:13:VAL:HB	9	0.13
(1,3542)	2:B:51:VAL:HG23	2:B:13:VAL:HB	9	0.13
(1,3542)	2:B:51:VAL:HG22	2:B:49:GLU:HG3	9	0.13
(1,3542)	2:B:51:VAL:HG21	2:B:49:GLU:HG3	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3542)	2:B:51:VAL:HG23	2:B:49:GLU:HG3	9	0.13
(1,3401)	2:C:46:PHE:H	2:C:46:PHE:HD1	1	0.13
(1,3401)	2:C:46:PHE:H	2:C:46:PHE:HD2	1	0.13
(1,3232)	2:B:72:ALA:H	2:B:72:ALA:HB2	7	0.13
(1,3232)	2:B:72:ALA:H	2:B:72:ALA:HB1	7	0.13
(1,3232)	2:B:72:ALA:H	2:B:72:ALA:HB3	7	0.13
(1,3197)	2:C:14:ASN:H	2:C:48:ARG:HA	7	0.13
(1,3196)	2:B:14:ASN:H	2:B:48:ARG:HA	6	0.13
(1,3175)	2:C:7:GLU:H	2:C:4:SER:HB3	7	0.13
(1,3068)	2:B:39:CYS:H	2:B:35:VAL:HB	9	0.13
(1,3051)	2:C:16:PHE:HB3	2:C:16:PHE:H	1	0.13
(1,3050)	2:B:16:PHE:HB3	2:B:16:PHE:H	6	0.13
(1,3048)	2:B:50:ALA:H	2:B:13:VAL:HG12	5	0.13
(1,3048)	2:B:50:ALA:H	2:B:13:VAL:HG11	5	0.13
(1,3048)	2:B:50:ALA:H	2:B:13:VAL:HG13	5	0.13
(1,2957)	2:C:16:PHE:HE1	2:B:12:ILE:HD12	4	0.13
(1,2957)	2:C:16:PHE:HE1	2:B:12:ILE:HD11	4	0.13
(1,2957)	2:C:16:PHE:HE1	2:B:12:ILE:HD13	4	0.13
(1,2957)	2:C:16:PHE:HE2	2:B:12:ILE:HD12	4	0.13
(1,2957)	2:C:16:PHE:HE2	2:B:12:ILE:HD11	4	0.13
(1,2957)	2:C:16:PHE:HE2	2:B:12:ILE:HD13	4	0.13
(1,2954)	2:B:16:PHE:HZ	2:C:12:ILE:HD12	6	0.13
(1,2954)	2:B:16:PHE:HZ	2:C:12:ILE:HD11	6	0.13
(1,2954)	2:B:16:PHE:HZ	2:C:12:ILE:HD13	6	0.13
(1,2950)	2:B:60:PHE:HD1	2:B:54:ILE:HB	3	0.13
(1,2950)	2:B:60:PHE:HD2	2:B:54:ILE:HB	3	0.13
(1,286)	1:A:92:PHE:HB2	1:A:92:PHE:HD1	6	0.13
(1,286)	1:A:92:PHE:HB2	1:A:92:PHE:HD2	6	0.13
(1,2844)	2:B:64:HIS:HB2	2:B:64:HIS:H	4	0.13
(1,2821)	2:C:5:LYS:HE2	2:B:24:GLU:HB3	10	0.13
(1,2820)	2:B:5:LYS:HE2	2:C:24:GLU:HB3	1	0.13
(1,2742)	2:B:29:GLY:HA2	2:C:43:ALA:HB2	6	0.13
(1,2742)	2:B:29:GLY:HA2	2:C:43:ALA:HB1	6	0.13
(1,2742)	2:B:29:GLY:HA2	2:C:43:ALA:HB3	6	0.13
(1,2629)	2:C:37:MET:HB3	2:C:17:SER:HB3	2	0.13
(1,2565)	2:C:33:LEU:HD12	2:C:19:ILE:HG22	3	0.13
(1,2565)	2:C:33:LEU:HD12	2:C:19:ILE:HG21	3	0.13
(1,2565)	2:C:33:LEU:HD12	2:C:19:ILE:HG23	3	0.13
(1,2565)	2:C:33:LEU:HD11	2:C:19:ILE:HG22	3	0.13
(1,2565)	2:C:33:LEU:HD11	2:C:19:ILE:HG21	3	0.13
(1,2565)	2:C:33:LEU:HD11	2:C:19:ILE:HG23	3	0.13
(1,2565)	2:C:33:LEU:HD13	2:C:19:ILE:HG22	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2565)	2:C:33:LEU:HD13	2:C:19:ILE:HG21	3	0.13
(1,2565)	2:C:33:LEU:HD13	2:C:19:ILE:HG23	3	0.13
(1,2538)	2:B:12:ILE:HG22	2:B:12:ILE:HG13	8	0.13
(1,2538)	2:B:12:ILE:HG21	2:B:12:ILE:HG13	8	0.13
(1,2538)	2:B:12:ILE:HG23	2:B:12:ILE:HG13	8	0.13
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG22	10	0.13
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG21	10	0.13
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG23	10	0.13
(1,2259)	2:C:51:VAL:HA	2:C:54:ILE:HB	8	0.13
(1,2183)	2:C:9:ALA:HA	2:C:40:ILE:HG22	9	0.13
(1,2183)	2:C:9:ALA:HA	2:C:40:ILE:HG21	9	0.13
(1,2183)	2:C:9:ALA:HA	2:C:40:ILE:HG23	9	0.13
(1,216)	1:A:131:PHE:HB2	1:A:131:PHE:HD1	6	0.13
(1,216)	1:A:131:PHE:HB2	1:A:131:PHE:HD2	6	0.13
(1,2094)	2:B:8:ILE:HD12	2:B:8:ILE:HA	6	0.13
(1,2094)	2:B:8:ILE:HD11	2:B:8:ILE:HA	6	0.13
(1,2094)	2:B:8:ILE:HD13	2:B:8:ILE:HA	6	0.13
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB2	10	0.13
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB1	10	0.13
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB3	10	0.13
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB2	10	0.13
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB1	10	0.13
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB3	10	0.13
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB2	10	0.13
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB1	10	0.13
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB3	10	0.13
(1,2070)	2:B:51:VAL:HG22	2:B:14:ASN:HA	2	0.13
(1,2070)	2:B:51:VAL:HG21	2:B:14:ASN:HA	2	0.13
(1,2070)	2:B:51:VAL:HG23	2:B:14:ASN:HA	2	0.13
(1,1925)	2:C:15:TYR:HB3	2:C:15:TYR:HD1	1	0.13
(1,1925)	2:C:15:TYR:HB3	2:C:15:TYR:HD2	1	0.13
(1,1925)	2:C:15:TYR:HB3	2:C:15:TYR:HD1	10	0.13
(1,1925)	2:C:15:TYR:HB3	2:C:15:TYR:HD2	10	0.13
(1,1922)	2:B:15:TYR:HB2	2:B:15:TYR:HD1	2	0.13
(1,1922)	2:B:15:TYR:HB2	2:B:15:TYR:HD2	2	0.13
(1,1854)	2:B:16:PHE:HB2	2:B:16:PHE:H	5	0.13
(1,1802)	1:A:82:GLN:HE21	1:A:82:GLN:HB2	2	0.13
(1,1802)	1:A:82:GLN:HE21	1:A:82:GLN:HB3	2	0.13
(1,1742)	1:A:126:LEU:H	1:A:119:LEU:HB2	5	0.13
(1,1742)	1:A:126:LEU:HB2	1:A:126:LEU:H	5	0.13
(1,1632)	1:A:147:MET:HG3	1:A:118:LYS:HB3	8	0.13
(1,1632)	1:A:147:MET:HG3	1:A:120:LEU:HB2	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1632)	1:A:147:MET:HG3	1:A:120:LEU:HG	8	0.13
(1,1598)	1:A:128:ASP:HB2	1:A:128:ASP:H	7	0.13
(1,1598)	1:A:128:ASP:HB2	1:A:129:ASN:H	7	0.13
(1,154)	1:A:135:LEU:HD12	1:A:136:LYS:H	7	0.13
(1,154)	1:A:135:LEU:HD11	1:A:136:LYS:H	7	0.13
(1,154)	1:A:135:LEU:HD13	1:A:136:LYS:H	7	0.13
(1,1479)	1:A:82:GLN:HG3	1:A:82:GLN:H	2	0.13
(1,1479)	1:A:103:GLN:HG3	1:A:102:LYS:H	2	0.13
(1,1449)	1:A:78:LEU:HD12	1:A:90:HIS:H	8	0.13
(1,1449)	1:A:78:LEU:HD11	1:A:90:HIS:H	8	0.13
(1,1449)	1:A:78:LEU:HD13	1:A:90:HIS:H	8	0.13
(1,1449)	1:A:135:LEU:HD12	1:A:131:PHE:H	8	0.13
(1,1449)	1:A:135:LEU:HD11	1:A:131:PHE:H	8	0.13
(1,1449)	1:A:135:LEU:HD13	1:A:131:PHE:H	8	0.13
(1,1448)	1:A:78:LEU:HD12	1:A:90:HIS:HE1	5	0.13
(1,1448)	1:A:78:LEU:HD11	1:A:90:HIS:HE1	5	0.13
(1,1448)	1:A:78:LEU:HD13	1:A:90:HIS:HE1	5	0.13
(1,1448)	1:A:78:LEU:HD12	1:A:104:HIS:HE1	5	0.13
(1,1448)	1:A:78:LEU:HD11	1:A:104:HIS:HE1	5	0.13
(1,1448)	1:A:78:LEU:HD13	1:A:104:HIS:HE1	5	0.13
(1,1412)	1:A:151:ASN:HA	1:A:151:ASN:H	1	0.13
(1,1412)	1:A:151:ASN:HA	1:A:151:ASN:H	6	0.13
(1,14)	1:A:119:LEU:HD22	1:A:119:LEU:HA	5	0.13
(1,14)	1:A:119:LEU:HD21	1:A:119:LEU:HA	5	0.13
(1,14)	1:A:119:LEU:HD23	1:A:119:LEU:HA	5	0.13
(1,1338)	1:A:99:LEU:HD12	1:A:103:GLN:HE21	4	0.13
(1,1338)	1:A:99:LEU:HD11	1:A:103:GLN:HE21	4	0.13
(1,1338)	1:A:99:LEU:HD13	1:A:103:GLN:HE21	4	0.13
(1,1211)	1:A:81:ILE:H	1:A:82:GLN:HG2	6	0.13
(1,1197)	1:A:92:PHE:HB3	1:A:93:SER:H	10	0.13
(1,118)	1:A:97:THR:HG21	1:A:97:THR:H	4	0.13
(1,118)	1:A:97:THR:HG22	1:A:97:THR:H	4	0.13
(1,118)	1:A:97:THR:HG23	1:A:97:THR:H	4	0.13
(1,1175)	1:A:153:GLU:H	1:A:152:LEU:HD22	10	0.13
(1,1175)	1:A:153:GLU:H	1:A:152:LEU:HD21	10	0.13
(1,1175)	1:A:153:GLU:H	1:A:152:LEU:HD23	10	0.13
(1,1133)	1:A:126:LEU:HD12	1:A:126:LEU:H	6	0.13
(1,1133)	1:A:126:LEU:HD11	1:A:126:LEU:H	6	0.13
(1,1133)	1:A:126:LEU:HD13	1:A:126:LEU:H	6	0.13
(1,1114)	1:A:114:ILE:H	1:A:114:ILE:HG22	4	0.13
(1,1114)	1:A:114:ILE:H	1:A:114:ILE:HG21	4	0.13
(1,1114)	1:A:114:ILE:H	1:A:114:ILE:HG23	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG22	5	0.13
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG21	5	0.13
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG23	5	0.13
(1,1041)	1:A:108:GLU:HG3	1:A:108:GLU:H	10	0.13
(3,9)	1:A:86:PHE:H	1:A:80:LYS:O	5	0.12
(3,9)	1:A:86:PHE:H	1:A:80:LYS:O	10	0.12
(3,17)	1:A:144:ILE:H	1:A:77:THR:O	9	0.12
(1,867)	1:A:145:THR:HG21	1:A:145:THR:H	5	0.12
(1,867)	1:A:145:THR:HG22	1:A:145:THR:H	5	0.12
(1,867)	1:A:145:THR:HG23	1:A:145:THR:H	5	0.12
(1,80)	1:A:148:ILE:HG22	1:A:112:SER:HA	1	0.12
(1,80)	1:A:148:ILE:HG21	1:A:112:SER:HA	1	0.12
(1,80)	1:A:148:ILE:HG23	1:A:112:SER:HA	1	0.12
(1,796)	1:A:86:PHE:HB2	1:A:86:PHE:HD1	3	0.12
(1,796)	1:A:86:PHE:HB2	1:A:86:PHE:HD2	3	0.12
(1,765)	1:A:152:LEU:HA	1:A:152:LEU:HD22	10	0.12
(1,765)	1:A:152:LEU:HA	1:A:152:LEU:HD21	10	0.12
(1,765)	1:A:152:LEU:HA	1:A:152:LEU:HD23	10	0.12
(1,749)	1:A:124:LYS:HG2	1:A:125:VAL:HA	4	0.12
(1,738)	1:A:115:SER:HA	1:A:114:ILE:HG13	10	0.12
(1,720)	1:A:148:ILE:HD12	1:A:86:PHE:HZ	1	0.12
(1,720)	1:A:148:ILE:HD11	1:A:86:PHE:HZ	1	0.12
(1,720)	1:A:148:ILE:HD13	1:A:86:PHE:HZ	1	0.12
(1,719)	1:A:148:ILE:HD12	1:A:112:SER:H	7	0.12
(1,719)	1:A:148:ILE:HD11	1:A:112:SER:H	7	0.12
(1,719)	1:A:148:ILE:HD13	1:A:112:SER:H	7	0.12
(1,670)	1:A:130:LEU:HG	1:A:131:PHE:H	5	0.12
(1,547)	1:A:150:PRO:HD3	1:A:149:LYS:HA	5	0.12
(1,536)	1:A:77:THR:HA	1:A:89:GLU:HG2	2	0.12
(1,47)	1:A:88:ILE:HD12	1:A:105:LEU:HA	1	0.12
(1,47)	1:A:88:ILE:HD11	1:A:105:LEU:HA	1	0.12
(1,47)	1:A:88:ILE:HD13	1:A:105:LEU:HA	1	0.12
(1,4147)	2:C:48:ARG:HA	2:C:51:VAL:H	9	0.12
(1,4147)	2:C:51:VAL:H	2:C:52:SER:HB3	9	0.12
(1,4050)	2:B:54:ILE:HB	2:B:8:ILE:H	6	0.12
(1,4050)	2:B:54:ILE:HB	2:B:50:ALA:H	6	0.12
(1,4015)	2:C:60:PHE:HD1	2:C:8:ILE:HD12	1	0.12
(1,4015)	2:C:60:PHE:HD1	2:C:8:ILE:HD11	1	0.12
(1,4015)	2:C:60:PHE:HD1	2:C:8:ILE:HD13	1	0.12
(1,4015)	2:C:60:PHE:HD2	2:C:8:ILE:HD12	1	0.12
(1,4015)	2:C:60:PHE:HD2	2:C:8:ILE:HD11	1	0.12
(1,4015)	2:C:60:PHE:HD2	2:C:8:ILE:HD13	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4015)	2:C:60:PHE:HD1	2:B:8:ILE:HD12	1	0.12
(1,4015)	2:C:60:PHE:HD1	2:B:8:ILE:HD11	1	0.12
(1,4015)	2:C:60:PHE:HD1	2:B:8:ILE:HD13	1	0.12
(1,4015)	2:C:60:PHE:HD2	2:B:8:ILE:HD12	1	0.12
(1,4015)	2:C:60:PHE:HD2	2:B:8:ILE:HD11	1	0.12
(1,4015)	2:C:60:PHE:HD2	2:B:8:ILE:HD13	1	0.12
(1,4015)	2:C:60:PHE:HD1	2:B:68:ILE:HD12	1	0.12
(1,4015)	2:C:60:PHE:HD1	2:B:68:ILE:HD11	1	0.12
(1,4015)	2:C:60:PHE:HD1	2:B:68:ILE:HD13	1	0.12
(1,4015)	2:C:60:PHE:HD2	2:B:68:ILE:HD12	1	0.12
(1,4015)	2:C:60:PHE:HD2	2:B:68:ILE:HD11	1	0.12
(1,4015)	2:C:60:PHE:HD2	2:B:68:ILE:HD13	1	0.12
(1,3953)	2:C:19:ILE:HG22	2:C:24:GLU:HB2	5	0.12
(1,3953)	2:C:19:ILE:HG21	2:C:24:GLU:HB2	5	0.12
(1,3953)	2:C:19:ILE:HG23	2:C:24:GLU:HB2	5	0.12
(1,3953)	2:C:19:ILE:HD12	2:C:24:GLU:HB2	5	0.12
(1,3953)	2:C:19:ILE:HD11	2:C:24:GLU:HB2	5	0.12
(1,3953)	2:C:19:ILE:HD13	2:C:24:GLU:HB2	5	0.12
(1,3934)	2:B:55:LEU:HD12	2:B:6:GLU:HB2	3	0.12
(1,3934)	2:B:55:LEU:HD11	2:B:6:GLU:HB2	3	0.12
(1,3934)	2:B:55:LEU:HD13	2:B:6:GLU:HB2	3	0.12
(1,3934)	2:B:55:LEU:HD12	2:B:7:GLU:HG2	3	0.12
(1,3934)	2:B:55:LEU:HD11	2:B:7:GLU:HG2	3	0.12
(1,3934)	2:B:55:LEU:HD13	2:B:7:GLU:HG2	3	0.12
(1,3934)	2:B:55:LEU:HD12	2:B:6:GLU:HB2	9	0.12
(1,3934)	2:B:55:LEU:HD11	2:B:6:GLU:HB2	9	0.12
(1,3934)	2:B:55:LEU:HD13	2:B:6:GLU:HB2	9	0.12
(1,3934)	2:B:55:LEU:HD12	2:B:7:GLU:HG2	9	0.12
(1,3934)	2:B:55:LEU:HD11	2:B:7:GLU:HG2	9	0.12
(1,3934)	2:B:55:LEU:HD13	2:B:7:GLU:HG2	9	0.12
(1,3928)	2:B:39:CYS:HB2	2:C:35:VAL:HB	4	0.12
(1,3928)	2:B:39:CYS:HB3	2:C:35:VAL:HB	4	0.12
(1,3928)	2:B:39:CYS:HB2	2:B:35:VAL:HB	4	0.12
(1,3928)	2:B:39:CYS:HB3	2:B:35:VAL:HB	4	0.12
(1,3891)	2:C:18:SER:HB3	2:C:19:ILE:HG12	5	0.12
(1,3891)	2:C:18:SER:HB3	2:C:22:LYS:HG3	5	0.12
(1,3877)	2:C:13:VAL:HA	2:C:37:MET:HB2	4	0.12
(1,3877)	2:C:13:VAL:HA	2:C:37:MET:HG2	4	0.12
(1,383)	1:A:90:HIS:HB3	1:A:92:PHE:HE1	4	0.12
(1,383)	1:A:90:HIS:HB3	1:A:92:PHE:HE2	4	0.12
(1,3815)	2:C:5:LYS:HG2	2:C:5:LYS:H	6	0.12
(1,3815)	2:C:5:LYS:HG2	2:C:6:GLU:H	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3770)	2:B:20:VAL:HG22	2:B:19:ILE:HA	1	0.12
(1,3770)	2:B:20:VAL:HG21	2:B:19:ILE:HA	1	0.12
(1,3770)	2:B:20:VAL:HG23	2:B:19:ILE:HA	1	0.12
(1,3770)	2:B:30:ALA:HA	2:B:20:VAL:HG22	1	0.12
(1,3770)	2:B:30:ALA:HA	2:B:20:VAL:HG21	1	0.12
(1,3770)	2:B:30:ALA:HA	2:B:20:VAL:HG23	1	0.12
(1,3744)	2:B:40:ILE:HD12	2:B:36:ALA:HB2	9	0.12
(1,3744)	2:B:40:ILE:HD12	2:B:36:ALA:HB1	9	0.12
(1,3744)	2:B:40:ILE:HD12	2:B:36:ALA:HB3	9	0.12
(1,3744)	2:B:40:ILE:HD11	2:B:36:ALA:HB2	9	0.12
(1,3744)	2:B:40:ILE:HD11	2:B:36:ALA:HB1	9	0.12
(1,3744)	2:B:40:ILE:HD11	2:B:36:ALA:HB3	9	0.12
(1,3744)	2:B:40:ILE:HD13	2:B:36:ALA:HB2	9	0.12
(1,3744)	2:B:40:ILE:HD13	2:B:36:ALA:HB1	9	0.12
(1,3744)	2:B:40:ILE:HD13	2:B:36:ALA:HB3	9	0.12
(1,3744)	2:B:40:ILE:HD12	2:C:36:ALA:HB2	9	0.12
(1,3744)	2:B:40:ILE:HD12	2:C:36:ALA:HB1	9	0.12
(1,3744)	2:B:40:ILE:HD12	2:C:36:ALA:HB3	9	0.12
(1,3744)	2:B:40:ILE:HD11	2:C:36:ALA:HB2	9	0.12
(1,3744)	2:B:40:ILE:HD11	2:C:36:ALA:HB1	9	0.12
(1,3744)	2:B:40:ILE:HD11	2:C:36:ALA:HB3	9	0.12
(1,3744)	2:B:40:ILE:HD13	2:C:36:ALA:HB2	9	0.12
(1,3744)	2:B:40:ILE:HD13	2:C:36:ALA:HB1	9	0.12
(1,3744)	2:B:40:ILE:HD13	2:C:36:ALA:HB3	9	0.12
(1,3693)	2:C:9:ALA:HA	2:C:46:PHE:HE1	7	0.12
(1,3693)	2:C:9:ALA:HA	2:C:46:PHE:HE2	7	0.12
(1,3693)	2:C:9:ALA:HA	2:B:16:PHE:HZ	7	0.12
(1,3621)	2:C:40:ILE:HA	2:C:36:ALA:HB2	3	0.12
(1,3621)	2:C:40:ILE:HA	2:C:36:ALA:HB1	3	0.12
(1,3621)	2:C:40:ILE:HA	2:C:36:ALA:HB3	3	0.12
(1,3621)	2:C:40:ILE:HA	2:B:36:ALA:HB2	3	0.12
(1,3621)	2:C:40:ILE:HA	2:B:36:ALA:HB1	3	0.12
(1,3621)	2:C:40:ILE:HA	2:B:36:ALA:HB3	3	0.12
(1,3620)	2:B:40:ILE:HA	2:B:36:ALA:HB2	10	0.12
(1,3620)	2:B:40:ILE:HA	2:B:36:ALA:HB1	10	0.12
(1,3620)	2:B:40:ILE:HA	2:B:36:ALA:HB3	10	0.12
(1,3620)	2:B:40:ILE:HA	2:C:36:ALA:HB2	10	0.12
(1,3620)	2:B:40:ILE:HA	2:C:36:ALA:HB1	10	0.12
(1,3620)	2:B:40:ILE:HA	2:C:36:ALA:HB3	10	0.12
(1,36)	1:A:106:ILE:HD12	1:A:106:ILE:HA	2	0.12
(1,36)	1:A:106:ILE:HD11	1:A:106:ILE:HA	2	0.12
(1,36)	1:A:106:ILE:HD13	1:A:106:ILE:HA	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3582)	2:B:5:LYS:HE3	2:C:19:ILE:HG22	5	0.12
(1,3582)	2:B:5:LYS:HE3	2:C:19:ILE:HG21	5	0.12
(1,3582)	2:B:5:LYS:HE3	2:C:19:ILE:HG23	5	0.12
(1,3582)	2:B:5:LYS:HE3	2:C:19:ILE:HD12	5	0.12
(1,3582)	2:B:5:LYS:HE3	2:C:19:ILE:HD11	5	0.12
(1,3582)	2:B:5:LYS:HE3	2:C:19:ILE:HD13	5	0.12
(1,3554)	2:B:25:ILE:HD12	2:B:19:ILE:HB	6	0.12
(1,3554)	2:B:25:ILE:HD11	2:B:19:ILE:HB	6	0.12
(1,3554)	2:B:25:ILE:HD13	2:B:19:ILE:HB	6	0.12
(1,3554)	2:B:25:ILE:HD12	2:C:5:LYS:HB3	6	0.12
(1,3554)	2:B:25:ILE:HD11	2:C:5:LYS:HB3	6	0.12
(1,3554)	2:B:25:ILE:HD13	2:C:5:LYS:HB3	6	0.12
(1,3400)	2:B:46:PHE:H	2:B:46:PHE:HD1	1	0.12
(1,3400)	2:B:46:PHE:H	2:B:46:PHE:HD2	1	0.12
(1,3165)	2:C:7:GLU:H	2:C:7:GLU:HG3	9	0.12
(1,3071)	2:C:40:ILE:HG13	2:C:40:ILE:H	4	0.12
(1,3071)	2:C:40:ILE:HG13	2:C:40:ILE:H	7	0.12
(1,3051)	2:C:16:PHE:HB3	2:C:16:PHE:H	4	0.12
(1,3026)	2:B:55:LEU:HB2	2:B:56:GLY:H	4	0.12
(1,3026)	2:B:55:LEU:HB2	2:B:56:GLY:H	5	0.12
(1,3026)	2:B:55:LEU:HB2	2:B:56:GLY:H	10	0.12
(1,3011)	2:C:5:LYS:HB2	2:C:5:LYS:H	2	0.12
(1,3011)	2:C:5:LYS:HB2	2:C:5:LYS:H	3	0.12
(1,3011)	2:C:5:LYS:HB2	2:C:5:LYS:H	4	0.12
(1,3011)	2:C:5:LYS:HB2	2:C:5:LYS:H	5	0.12
(1,3011)	2:C:5:LYS:HB2	2:C:5:LYS:H	7	0.12
(1,3010)	2:B:5:LYS:HB2	2:B:5:LYS:H	2	0.12
(1,3010)	2:B:5:LYS:HB2	2:B:5:LYS:H	3	0.12
(1,3010)	2:B:5:LYS:HB2	2:B:5:LYS:H	4	0.12
(1,3010)	2:B:5:LYS:HB2	2:B:5:LYS:H	5	0.12
(1,3010)	2:B:5:LYS:HB2	2:B:5:LYS:H	6	0.12
(1,3010)	2:B:5:LYS:HB2	2:B:5:LYS:H	7	0.12
(1,3010)	2:B:5:LYS:HB2	2:B:5:LYS:H	9	0.12
(1,2951)	2:C:60:PHE:HD1	2:C:54:ILE:HB	7	0.12
(1,2951)	2:C:60:PHE:HD2	2:C:54:ILE:HB	7	0.12
(1,2884)	2:B:6:GLU:HG2	2:B:54:ILE:HG22	7	0.12
(1,2884)	2:B:6:GLU:HG2	2:B:54:ILE:HG21	7	0.12
(1,2884)	2:B:6:GLU:HG2	2:B:54:ILE:HG23	7	0.12
(1,2877)	2:C:13:VAL:HB	2:C:14:ASN:HA	10	0.12
(1,2863)	2:C:37:MET:HA	2:C:37:MET:HG2	4	0.12
(1,2820)	2:B:5:LYS:HE2	2:C:24:GLU:HB3	4	0.12
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD22	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD21	3	0.12
(1,2644)	2:B:20:VAL:HG12	2:B:33:LEU:HD23	3	0.12
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD22	3	0.12
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD21	3	0.12
(1,2644)	2:B:20:VAL:HG11	2:B:33:LEU:HD23	3	0.12
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD22	3	0.12
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD21	3	0.12
(1,2644)	2:B:20:VAL:HG13	2:B:33:LEU:HD23	3	0.12
(1,2630)	2:B:51:VAL:HB	2:B:55:LEU:HG	5	0.12
(1,2521)	2:C:51:VAL:HA	2:C:54:ILE:HD12	2	0.12
(1,2521)	2:C:51:VAL:HA	2:C:54:ILE:HD11	2	0.12
(1,2521)	2:C:51:VAL:HA	2:C:54:ILE:HD13	2	0.12
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG22	8	0.12
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG21	8	0.12
(1,2482)	2:B:25:ILE:HB	2:B:19:ILE:HG23	8	0.12
(1,2465)	2:C:71:SER:HB3	2:C:71:SER:H	2	0.12
(1,2347)	2:C:44:PHE:HB2	2:C:46:PHE:HD1	4	0.12
(1,2347)	2:C:44:PHE:HB2	2:C:46:PHE:HD2	4	0.12
(1,2253)	2:C:36:ALA:HA	2:C:39:CYS:HB2	3	0.12
(1,2253)	2:C:36:ALA:HA	2:C:39:CYS:HB3	3	0.12
(1,2227)	2:C:5:LYS:HA	2:C:8:ILE:HG13	10	0.12
(1,2209)	2:C:23:LYS:HD2	2:C:23:LYS:HA	3	0.12
(1,2209)	2:C:23:LYS:HD3	2:C:23:LYS:HA	3	0.12
(1,2192)	2:B:25:ILE:HD12	2:B:30:ALA:HA	5	0.12
(1,2192)	2:B:25:ILE:HD11	2:B:30:ALA:HA	5	0.12
(1,2192)	2:B:25:ILE:HD13	2:B:30:ALA:HA	5	0.12
(1,215)	1:A:131:PHE:HB3	1:A:131:PHE:HD1	3	0.12
(1,215)	1:A:131:PHE:HB3	1:A:131:PHE:HD2	3	0.12
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB2	3	0.12
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB1	3	0.12
(1,2091)	2:C:8:ILE:HD12	2:C:3:ALA:HB3	3	0.12
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB2	3	0.12
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB1	3	0.12
(1,2091)	2:C:8:ILE:HD11	2:C:3:ALA:HB3	3	0.12
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB2	3	0.12
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB1	3	0.12
(1,2091)	2:C:8:ILE:HD13	2:C:3:ALA:HB3	3	0.12
(1,209)	1:A:151:ASN:HB3	1:A:151:ASN:HD21	4	0.12
(1,209)	1:A:151:ASN:HB3	1:A:151:ASN:HD21	7	0.12
(1,2)	1:A:120:LEU:HD12	1:A:120:LEU:H	1	0.12
(1,2)	1:A:120:LEU:HD11	1:A:120:LEU:H	1	0.12
(1,2)	1:A:120:LEU:HD13	1:A:120:LEU:H	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1925)	2:C:15:TYR:HB3	2:C:15:TYR:HD1	9	0.12
(1,1925)	2:C:15:TYR:HB3	2:C:15:TYR:HD2	9	0.12
(1,1922)	2:B:15:TYR:HB2	2:B:15:TYR:HD1	3	0.12
(1,1922)	2:B:15:TYR:HB2	2:B:15:TYR:HD2	3	0.12
(1,1922)	2:B:15:TYR:HB2	2:B:15:TYR:HD1	4	0.12
(1,1922)	2:B:15:TYR:HB2	2:B:15:TYR:HD2	4	0.12
(1,1893)	2:C:23:LYS:HA	2:C:23:LYS:HG3	6	0.12
(1,1855)	2:C:16:PHE:HB2	2:C:16:PHE:H	5	0.12
(1,1855)	2:C:16:PHE:HB2	2:C:16:PHE:H	10	0.12
(1,1813)	1:A:141:ASN:HD22	1:A:121:LEU:HG	8	0.12
(1,1813)	1:A:141:ASN:HD22	1:A:122:LYS:HG2	8	0.12
(1,180)	1:A:132:LEU:HD12	1:A:96:ASP:HB2	3	0.12
(1,180)	1:A:132:LEU:HD11	1:A:96:ASP:HB2	3	0.12
(1,180)	1:A:132:LEU:HD13	1:A:96:ASP:HB2	3	0.12
(1,1794)	1:A:138:THR:H	1:A:137:VAL:HG22	6	0.12
(1,1794)	1:A:138:THR:H	1:A:137:VAL:HG21	6	0.12
(1,1794)	1:A:138:THR:H	1:A:137:VAL:HG23	6	0.12
(1,1794)	1:A:138:THR:H	1:A:121:LEU:HD22	6	0.12
(1,1794)	1:A:138:THR:H	1:A:121:LEU:HD21	6	0.12
(1,1794)	1:A:138:THR:H	1:A:121:LEU:HD23	6	0.12
(1,1760)	1:A:152:LEU:HB2	1:A:153:GLU:H	9	0.12
(1,1760)	1:A:152:LEU:HB3	1:A:153:GLU:H	9	0.12
(1,1758)	1:A:83:ALA:H	1:A:85:LYS:HG2	7	0.12
(1,1758)	1:A:83:ALA:H	1:A:85:LYS:HG3	7	0.12
(1,1651)	1:A:88:ILE:HG22	1:A:78:LEU:HB3	7	0.12
(1,1651)	1:A:88:ILE:HG21	1:A:78:LEU:HB3	7	0.12
(1,1651)	1:A:88:ILE:HG23	1:A:78:LEU:HB3	7	0.12
(1,1651)	1:A:88:ILE:HG22	1:A:89:GLU:HG3	7	0.12
(1,1651)	1:A:88:ILE:HG21	1:A:89:GLU:HG3	7	0.12
(1,1651)	1:A:88:ILE:HG23	1:A:89:GLU:HG3	7	0.12
(1,162)	1:A:78:LEU:HD22	1:A:92:PHE:HZ	10	0.12
(1,162)	1:A:78:LEU:HD21	1:A:92:PHE:HZ	10	0.12
(1,162)	1:A:78:LEU:HD23	1:A:92:PHE:HZ	10	0.12
(1,1598)	1:A:128:ASP:HB2	1:A:128:ASP:H	6	0.12
(1,1598)	1:A:128:ASP:HB2	1:A:129:ASN:H	6	0.12
(1,1476)	1:A:85:LYS:HB2	1:A:85:LYS:HE3	8	0.12
(1,1476)	1:A:149:LYS:HB2	1:A:149:LYS:HE3	8	0.12
(1,1417)	1:A:73:MET:HB3	1:A:74:VAL:H	7	0.12
(1,1412)	1:A:151:ASN:HA	1:A:151:ASN:H	10	0.12
(1,1270)	1:A:108:GLU:H	1:A:106:ILE:HG22	2	0.12
(1,1270)	1:A:108:GLU:H	1:A:106:ILE:HG21	2	0.12
(1,1270)	1:A:108:GLU:H	1:A:106:ILE:HG23	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1266)	1:A:107:SER:H	1:A:106:ILE:HG22	3	0.12
(1,1266)	1:A:107:SER:H	1:A:106:ILE:HG21	3	0.12
(1,1266)	1:A:107:SER:H	1:A:106:ILE:HG23	3	0.12
(1,1186)	1:A:135:LEU:HB2	1:A:135:LEU:H	7	0.12
(1,1179)	1:A:82:GLN:H	1:A:80:LYS:HD2	5	0.12
(1,110)	1:A:126:LEU:HD12	1:A:125:VAL:HA	6	0.12
(1,110)	1:A:126:LEU:HD11	1:A:125:VAL:HA	6	0.12
(1,110)	1:A:126:LEU:HD13	1:A:125:VAL:HA	6	0.12
(1,105)	1:A:143:THR:HG21	1:A:79:LYS:H	2	0.12
(1,105)	1:A:143:THR:HG22	1:A:79:LYS:H	2	0.12
(1,105)	1:A:143:THR:HG23	1:A:79:LYS:H	2	0.12
(1,104)	1:A:143:THR:HG21	1:A:144:ILE:H	2	0.12
(1,104)	1:A:143:THR:HG22	1:A:144:ILE:H	2	0.12
(1,104)	1:A:143:THR:HG23	1:A:144:ILE:H	2	0.12
(3,9)	1:A:86:PHE:H	1:A:80:LYS:O	9	0.11
(3,18)	1:A:144:ILE:N	1:A:77:THR:O	4	0.11
(3,18)	1:A:144:ILE:N	1:A:77:THR:O	7	0.11
(3,15)	1:A:77:THR:H	1:A:142:SER:O	2	0.11
(1,958)	1:A:121:LEU:H	1:A:126:LEU:HB3	3	0.11
(1,8)	1:A:120:LEU:HD12	1:A:147:MET:HG3	5	0.11
(1,8)	1:A:120:LEU:HD11	1:A:147:MET:HG3	5	0.11
(1,8)	1:A:120:LEU:HD13	1:A:147:MET:HG3	5	0.11
(1,751)	1:A:149:LYS:HG2	1:A:149:LYS:HE3	4	0.11
(1,683)	1:A:106:ILE:HG12	1:A:106:ILE:H	3	0.11
(1,638)	1:A:132:LEU:HB3	1:A:135:LEU:HD12	8	0.11
(1,638)	1:A:132:LEU:HB3	1:A:135:LEU:HD11	8	0.11
(1,638)	1:A:132:LEU:HB3	1:A:135:LEU:HD13	8	0.11
(1,609)	1:A:108:GLU:HA	1:A:108:GLU:HG3	6	0.11
(1,597)	1:A:109:GLU:HA	1:A:109:GLU:HG3	9	0.11
(1,487)	1:A:139:PRO:HD2	1:A:138:THR:HA	3	0.11
(1,461)	1:A:96:ASP:HA	1:A:97:THR:HG21	8	0.11
(1,461)	1:A:96:ASP:HA	1:A:97:THR:HG22	8	0.11
(1,461)	1:A:96:ASP:HA	1:A:97:THR:HG23	8	0.11
(1,4188)	1:A:79:LYS:HE3	2:B:35:VAL:H	6	0.11
(1,4188)	1:A:79:LYS:HE3	2:B:35:VAL:H	6	0.11
(1,4188)	1:A:79:LYS:HE2	2:C:35:VAL:H	6	0.11
(1,4188)	1:A:79:LYS:HE2	2:C:35:VAL:H	6	0.11
(1,4188)	1:A:79:LYS:HE3	2:B:35:VAL:H	7	0.11
(1,4188)	1:A:79:LYS:HE3	2:B:35:VAL:H	7	0.11
(1,4188)	1:A:79:LYS:HE2	2:C:35:VAL:H	7	0.11
(1,4188)	1:A:79:LYS:HE2	2:C:35:VAL:H	7	0.11
(1,4181)	1:A:120:LEU:HD11	2:B:38:ASP:H	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4181)	1:A:120:LEU:HD12	2:B:38:ASP:H	4	0.11
(1,4181)	1:A:120:LEU:HD13	2:B:38:ASP:H	4	0.11
(1,4181)	1:A:120:LEU:HD11	2:C:38:ASP:H	4	0.11
(1,4181)	1:A:120:LEU:HD12	2:C:38:ASP:H	4	0.11
(1,4181)	1:A:120:LEU:HD13	2:C:38:ASP:H	4	0.11
(1,4181)	1:A:120:LEU:HD11	2:B:31:ASP:H	4	0.11
(1,4181)	1:A:120:LEU:HD12	2:B:31:ASP:H	4	0.11
(1,4181)	1:A:120:LEU:HD13	2:B:31:ASP:H	4	0.11
(1,4181)	1:A:120:LEU:HD11	2:C:31:ASP:H	4	0.11
(1,4181)	1:A:120:LEU:HD12	2:C:31:ASP:H	4	0.11
(1,4181)	1:A:120:LEU:HD13	2:C:31:ASP:H	4	0.11
(1,3780)	2:B:13:VAL:HG22	2:B:16:PHE:HE1	4	0.11
(1,3780)	2:B:13:VAL:HG22	2:B:16:PHE:HE2	4	0.11
(1,3780)	2:B:13:VAL:HG21	2:B:16:PHE:HE1	4	0.11
(1,3780)	2:B:13:VAL:HG21	2:B:16:PHE:HE2	4	0.11
(1,3780)	2:B:13:VAL:HG23	2:B:16:PHE:HE1	4	0.11
(1,3780)	2:B:13:VAL:HG23	2:B:16:PHE:HE2	4	0.11
(1,3780)	2:B:13:VAL:HG22	2:C:16:PHE:HE1	4	0.11
(1,3780)	2:B:13:VAL:HG22	2:C:16:PHE:HE2	4	0.11
(1,3780)	2:B:13:VAL:HG21	2:C:16:PHE:HE1	4	0.11
(1,3780)	2:B:13:VAL:HG21	2:C:16:PHE:HE2	4	0.11
(1,3780)	2:B:13:VAL:HG23	2:C:16:PHE:HE1	4	0.11
(1,3780)	2:B:13:VAL:HG23	2:C:16:PHE:HE2	4	0.11
(1,3731)	2:C:12:ILE:HD12	2:C:13:VAL:HG12	6	0.11
(1,3731)	2:C:12:ILE:HD12	2:C:13:VAL:HG11	6	0.11
(1,3731)	2:C:12:ILE:HD12	2:C:13:VAL:HG13	6	0.11
(1,3731)	2:C:12:ILE:HD11	2:C:13:VAL:HG12	6	0.11
(1,3731)	2:C:12:ILE:HD11	2:C:13:VAL:HG11	6	0.11
(1,3731)	2:C:12:ILE:HD11	2:C:13:VAL:HG13	6	0.11
(1,3731)	2:C:12:ILE:HD13	2:C:13:VAL:HG12	6	0.11
(1,3731)	2:C:12:ILE:HD13	2:C:13:VAL:HG11	6	0.11
(1,3731)	2:C:12:ILE:HD13	2:C:13:VAL:HG13	6	0.11
(1,3731)	2:C:12:ILE:HD12	2:B:13:VAL:HG12	6	0.11
(1,3731)	2:C:12:ILE:HD12	2:B:13:VAL:HG11	6	0.11
(1,3731)	2:C:12:ILE:HD12	2:B:13:VAL:HG13	6	0.11
(1,3731)	2:C:12:ILE:HD11	2:B:13:VAL:HG12	6	0.11
(1,3731)	2:C:12:ILE:HD11	2:B:13:VAL:HG11	6	0.11
(1,3731)	2:C:12:ILE:HD11	2:B:13:VAL:HG13	6	0.11
(1,3731)	2:C:12:ILE:HD13	2:B:13:VAL:HG12	6	0.11
(1,3731)	2:C:12:ILE:HD13	2:B:13:VAL:HG11	6	0.11
(1,3731)	2:C:12:ILE:HD13	2:B:13:VAL:HG13	6	0.11
(1,3620)	2:B:40:ILE:HA	2:B:36:ALA:HB2	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3620)	2:B:40:ILE:HA	2:B:36:ALA:HB1	2	0.11
(1,3620)	2:B:40:ILE:HA	2:B:36:ALA:HB3	2	0.11
(1,3620)	2:B:40:ILE:HA	2:C:36:ALA:HB2	2	0.11
(1,3620)	2:B:40:ILE:HA	2:C:36:ALA:HB1	2	0.11
(1,3620)	2:B:40:ILE:HA	2:C:36:ALA:HB3	2	0.11
(1,3575)	2:C:33:LEU:HB2	2:C:33:LEU:HD22	3	0.11
(1,3575)	2:C:33:LEU:HB2	2:C:33:LEU:HD21	3	0.11
(1,3575)	2:C:33:LEU:HB2	2:C:33:LEU:HD23	3	0.11
(1,3575)	2:C:33:LEU:HD22	2:B:43:ALA:HB2	3	0.11
(1,3575)	2:C:33:LEU:HD22	2:B:43:ALA:HB1	3	0.11
(1,3575)	2:C:33:LEU:HD22	2:B:43:ALA:HB3	3	0.11
(1,3575)	2:C:33:LEU:HD21	2:B:43:ALA:HB2	3	0.11
(1,3575)	2:C:33:LEU:HD21	2:B:43:ALA:HB1	3	0.11
(1,3575)	2:C:33:LEU:HD21	2:B:43:ALA:HB3	3	0.11
(1,3575)	2:C:33:LEU:HD23	2:B:43:ALA:HB2	3	0.11
(1,3575)	2:C:33:LEU:HD23	2:B:43:ALA:HB1	3	0.11
(1,3575)	2:C:33:LEU:HD23	2:B:43:ALA:HB3	3	0.11
(1,3233)	2:C:72:ALA:H	2:C:72:ALA:HB2	3	0.11
(1,3233)	2:C:72:ALA:H	2:C:72:ALA:HB1	3	0.11
(1,3233)	2:C:72:ALA:H	2:C:72:ALA:HB3	3	0.11
(1,3197)	2:C:14:ASN:H	2:C:48:ARG:HA	9	0.11
(1,3174)	2:B:7:GLU:H	2:B:4:SER:HB3	3	0.11
(1,3154)	2:B:4:SER:HB3	2:B:6:GLU:H	6	0.11
(1,3059)	2:C:26:SER:HB2	2:C:26:SER:H	8	0.11
(1,3051)	2:C:16:PHE:HB3	2:C:16:PHE:H	7	0.11
(1,3050)	2:B:16:PHE:HB3	2:B:16:PHE:H	7	0.11
(1,3045)	2:C:47:GLU:HB2	2:C:50:ALA:H	3	0.11
(1,2963)	2:C:48:ARG:HG3	2:C:48:ARG:H	8	0.11
(1,2946)	2:B:44:PHE:HB2	2:B:46:PHE:HE1	9	0.11
(1,2946)	2:B:44:PHE:HB2	2:B:46:PHE:HE2	9	0.11
(1,2876)	2:B:13:VAL:HB	2:B:14:ASN:HA	1	0.11
(1,2854)	2:B:39:CYS:HB2	2:B:39:CYS:H	5	0.11
(1,2854)	2:B:39:CYS:HB3	2:B:39:CYS:H	5	0.11
(1,281)	1:A:120:LEU:HB2	1:A:145:THR:HB	4	0.11
(1,2631)	2:C:51:VAL:HB	2:C:55:LEU:HG	8	0.11
(1,2615)	2:C:13:VAL:HG12	2:C:48:ARG:HG2	6	0.11
(1,2615)	2:C:13:VAL:HG11	2:C:48:ARG:HG2	6	0.11
(1,2615)	2:C:13:VAL:HG13	2:C:48:ARG:HG2	6	0.11
(1,2614)	2:B:13:VAL:HG12	2:B:48:ARG:HG2	10	0.11
(1,2614)	2:B:13:VAL:HG11	2:B:48:ARG:HG2	10	0.11
(1,2614)	2:B:13:VAL:HG13	2:B:48:ARG:HG2	10	0.11
(1,261)	1:A:129:ASN:HB2	1:A:129:ASN:HD21	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2501)	2:C:25:ILE:HG22	2:C:20:VAL:HB	5	0.11
(1,2501)	2:C:25:ILE:HG21	2:C:20:VAL:HB	5	0.11
(1,2501)	2:C:25:ILE:HG23	2:C:20:VAL:HB	5	0.11
(1,2474)	2:B:12:ILE:HG22	2:B:40:ILE:HD12	7	0.11
(1,2474)	2:B:12:ILE:HG22	2:B:40:ILE:HD11	7	0.11
(1,2474)	2:B:12:ILE:HG22	2:B:40:ILE:HD13	7	0.11
(1,2474)	2:B:12:ILE:HG21	2:B:40:ILE:HD12	7	0.11
(1,2474)	2:B:12:ILE:HG21	2:B:40:ILE:HD11	7	0.11
(1,2474)	2:B:12:ILE:HG21	2:B:40:ILE:HD13	7	0.11
(1,2474)	2:B:12:ILE:HG23	2:B:40:ILE:HD12	7	0.11
(1,2474)	2:B:12:ILE:HG23	2:B:40:ILE:HD11	7	0.11
(1,2474)	2:B:12:ILE:HG23	2:B:40:ILE:HD13	7	0.11
(1,247)	1:A:103:GLN:HG2	1:A:100:GLN:HE22	10	0.11
(1,245)	1:A:103:GLN:HG2	1:A:103:GLN:H	10	0.11
(1,2377)	2:C:35:VAL:HG12	2:C:35:VAL:H	5	0.11
(1,2377)	2:C:35:VAL:HG11	2:C:35:VAL:H	5	0.11
(1,2377)	2:C:35:VAL:HG13	2:C:35:VAL:H	5	0.11
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD12	9	0.11
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD11	9	0.11
(1,2247)	2:C:11:LEU:HA	2:C:12:ILE:HD13	9	0.11
(1,2186)	2:B:30:ALA:HA	2:B:20:VAL:HG12	4	0.11
(1,2186)	2:B:30:ALA:HA	2:B:20:VAL:HG11	4	0.11
(1,2186)	2:B:30:ALA:HA	2:B:20:VAL:HG13	4	0.11
(1,2186)	2:B:30:ALA:HA	2:B:20:VAL:HG12	10	0.11
(1,2186)	2:B:30:ALA:HA	2:B:20:VAL:HG11	10	0.11
(1,2186)	2:B:30:ALA:HA	2:B:20:VAL:HG13	10	0.11
(1,2115)	2:C:13:VAL:HG22	2:C:48:ARG:HG2	5	0.11
(1,2115)	2:C:13:VAL:HG21	2:C:48:ARG:HG2	5	0.11
(1,2115)	2:C:13:VAL:HG23	2:C:48:ARG:HG2	5	0.11
(1,2060)	2:B:55:LEU:HD22	2:B:14:ASN:H	6	0.11
(1,2060)	2:B:55:LEU:HD21	2:B:14:ASN:H	6	0.11
(1,2060)	2:B:55:LEU:HD23	2:B:14:ASN:H	6	0.11
(1,2035)	2:C:5:LYS:HB2	2:C:44:PHE:HZ	7	0.11
(1,1994)	2:B:36:ALA:HB2	2:B:33:LEU:HD22	1	0.11
(1,1994)	2:B:36:ALA:HB2	2:B:33:LEU:HD21	1	0.11
(1,1994)	2:B:36:ALA:HB2	2:B:33:LEU:HD23	1	0.11
(1,1994)	2:B:36:ALA:HB1	2:B:33:LEU:HD22	1	0.11
(1,1994)	2:B:36:ALA:HB1	2:B:33:LEU:HD21	1	0.11
(1,1994)	2:B:36:ALA:HB1	2:B:33:LEU:HD23	1	0.11
(1,1994)	2:B:36:ALA:HB3	2:B:33:LEU:HD22	1	0.11
(1,1994)	2:B:36:ALA:HB3	2:B:33:LEU:HD21	1	0.11
(1,1994)	2:B:36:ALA:HB3	2:B:33:LEU:HD23	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	2:B:34:ASN:HB3	2:B:34:ASN:HD21	3	0.11
(1,1966)	2:B:34:ASN:HB2	2:B:34:ASN:H	2	0.11
(1,1924)	2:B:15:TYR:HB3	2:B:15:TYR:HD1	10	0.11
(1,1924)	2:B:15:TYR:HB3	2:B:15:TYR:HD2	10	0.11
(1,1892)	2:B:23:LYS:HA	2:B:23:LYS:HG3	2	0.11
(1,1802)	1:A:82:GLN:HE21	1:A:82:GLN:HB2	4	0.11
(1,1802)	1:A:82:GLN:HE21	1:A:82:GLN:HB3	4	0.11
(1,1802)	1:A:82:GLN:HE21	1:A:82:GLN:HB2	5	0.11
(1,1802)	1:A:82:GLN:HE21	1:A:82:GLN:HB3	5	0.11
(1,1662)	1:A:149:LYS:HG2	1:A:149:LYS:HE3	10	0.11
(1,1662)	1:A:149:LYS:HG3	1:A:149:LYS:HE3	10	0.11
(1,1651)	1:A:88:ILE:HG22	1:A:78:LEU:HB3	3	0.11
(1,1651)	1:A:88:ILE:HG21	1:A:78:LEU:HB3	3	0.11
(1,1651)	1:A:88:ILE:HG23	1:A:78:LEU:HB3	3	0.11
(1,1651)	1:A:88:ILE:HG22	1:A:89:GLU:HG3	3	0.11
(1,1651)	1:A:88:ILE:HG21	1:A:89:GLU:HG3	3	0.11
(1,1651)	1:A:88:ILE:HG23	1:A:89:GLU:HG3	3	0.11
(1,1598)	1:A:128:ASP:HB2	1:A:128:ASP:H	4	0.11
(1,1598)	1:A:128:ASP:HB2	1:A:129:ASN:H	4	0.11
(1,1545)	1:A:135:LEU:HA	1:A:124:LYS:HE3	8	0.11
(1,1545)	1:A:135:LEU:HA	1:A:134:ASP:HB2	8	0.11
(1,1545)	1:A:136:LYS:HA	1:A:136:LYS:HE3	8	0.11
(1,1435)	1:A:98:ILE:HG22	1:A:128:ASP:H	7	0.11
(1,1435)	1:A:98:ILE:HG21	1:A:128:ASP:H	7	0.11
(1,1435)	1:A:98:ILE:HG23	1:A:128:ASP:H	7	0.11
(1,1435)	1:A:98:ILE:HG22	1:A:129:ASN:H	7	0.11
(1,1435)	1:A:98:ILE:HG21	1:A:129:ASN:H	7	0.11
(1,1435)	1:A:98:ILE:HG23	1:A:129:ASN:H	7	0.11
(1,1412)	1:A:151:ASN:HA	1:A:151:ASN:H	2	0.11
(1,1412)	1:A:151:ASN:HA	1:A:151:ASN:H	7	0.11
(1,1399)	1:A:80:LYS:HE3	1:A:148:ILE:H	2	0.11
(1,1391)	1:A:143:THR:H	1:A:141:ASN:HB3	1	0.11
(1,1270)	1:A:108:GLU:H	1:A:106:ILE:HG22	3	0.11
(1,1270)	1:A:108:GLU:H	1:A:106:ILE:HG21	3	0.11
(1,1270)	1:A:108:GLU:H	1:A:106:ILE:HG23	3	0.11
(1,1270)	1:A:108:GLU:H	1:A:106:ILE:HG22	7	0.11
(1,1270)	1:A:108:GLU:H	1:A:106:ILE:HG21	7	0.11
(1,1270)	1:A:108:GLU:H	1:A:106:ILE:HG23	7	0.11
(1,1211)	1:A:81:ILE:H	1:A:82:GLN:HG2	10	0.11
(1,1194)	1:A:92:PHE:HB2	1:A:93:SER:H	5	0.11
(1,1186)	1:A:135:LEU:HB2	1:A:135:LEU:H	8	0.11
(1,112)	1:A:77:THR:HG21	1:A:78:LEU:H	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,112)	1:A:77:THR:HG22	1:A:78:LEU:H	2	0.11
(1,112)	1:A:77:THR:HG23	1:A:78:LEU:H	2	0.11
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG22	1	0.11
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG21	1	0.11
(1,1055)	1:A:115:SER:H	1:A:114:ILE:HG23	1	0.11
(1,1053)	1:A:115:SER:H	1:A:114:ILE:HG13	1	0.11

10 Dihedral-angle violation analysis ⓘ

10.1 Summary of dihedral-angle violations ⓘ

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

Angle type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
PHI	165	50.0	18	10.9	5.5	0	0.0	0.0
PSI	165	50.0	28	17.0	8.5	1	0.6	0.3
Total	330	100.0	46	13.9	13.9	1	0.3	0.3

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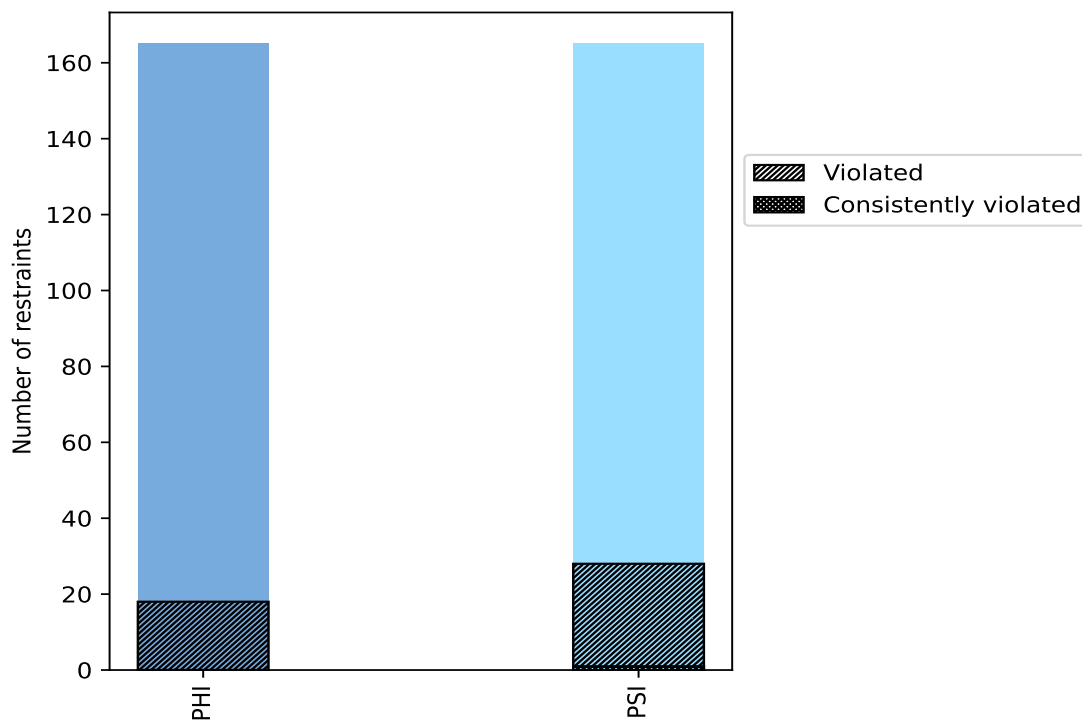
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model ⓘ

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

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PHI	PSI	Total				
1	2	7	9	2.2	5.2	1.12	2.0
2	5	10	15	2.79	6.8	1.87	1.9
3	3	9	12	3.08	5.3	0.94	2.95
4	1	9	10	2.31	4.2	1.04	2.15
5	6	6	12	3.37	8.5	2.15	2.5
6	1	5	6	4.63	13.6	4.27	2.8
7	2	6	8	3.01	6.1	1.5	3.15
8	1	7	8	2.49	3.6	0.84	2.7
9	7	7	14	3.8	7.7	2.21	2.8
10	7	11	18	3.19	8.8	1.97	2.75

10.2.1 Bar graph : Dihedral violation statistics for each model ⓘ
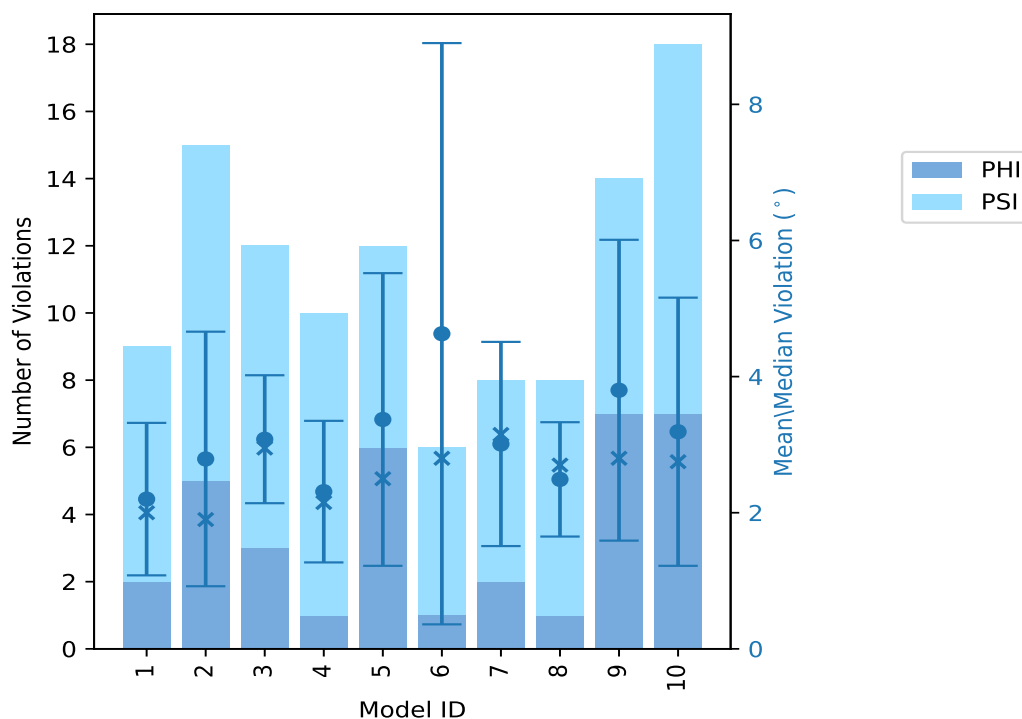
The mean(dot),median(x) and the standard deviation are shown in blue with respect to the y axis on the right

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10.3 Dihedral-angle violation statistics for the ensemble ⓘ

Violation analysis may find that some restraints are violated in very few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of ensemble.

Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count[1]	%
12	15	27	1	10.0
3	3	6	2	20.0
0	3	3	3	30.0
1	2	3	4	40.0
1	0	1	5	50.0
0	1	1	6	60.0
0	2	2	7	70.0
1	0	1	8	80.0
0	1	1	9	90.0
0	1	1	10	100.0

[1] Number of models with violations

10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble ⓘ
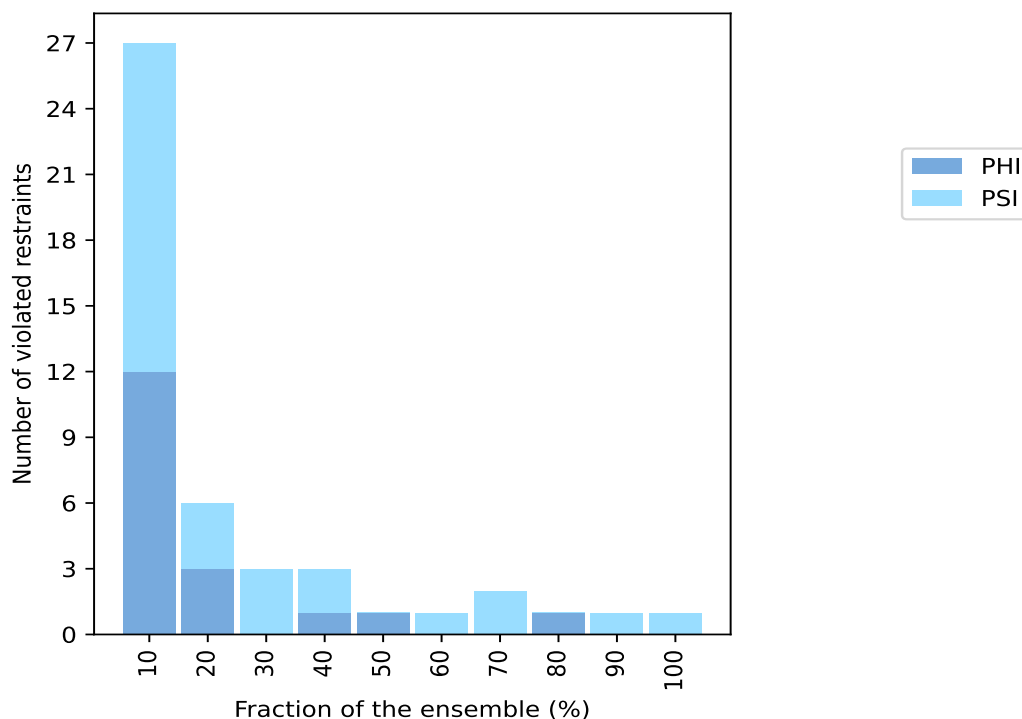
10.4 Most violated dihedral-angle restraints in the ensemble ⓘ

10.4.1 Histogram : Distribution of mean dihedral-angle violations ⓘ

The following histogram shows the distribution of the average value of the violation. The average is calculated for each restraint that is violated in more than one model over all the violated models in the ensemble
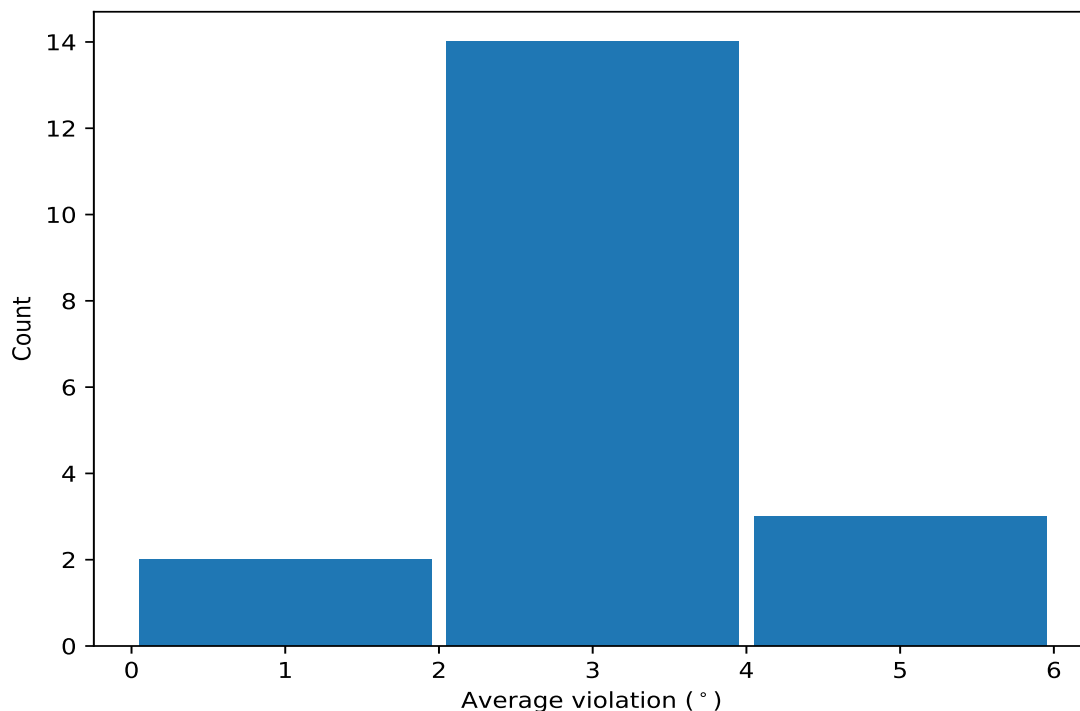
10.4.2 Table: Most violated dihedral-angle restraints ⓘ

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
(1,218)	2:B:50:ALA:N	2:B:50:ALA:CA	2:B:50:ALA:C	2:B:51:VAL:N	10	2.36	0.83	2.1
(1,82)	1:A:121:LEU:N	1:A:121:LEU:CA	1:A:121:LEU:C	1:A:122:LYS:N	9	5.61	2.13	5.3
(1,123)	1:A:147:MET:C	1:A:148:ILE:N	1:A:148:ILE:CA	1:A:148:ILE:C	8	3.51	0.95	3.6
(1,124)	1:A:148:ILE:N	1:A:148:ILE:CA	1:A:148:ILE:C	1:A:149:LYS:N	7	3.59	1.72	2.9
(1,74)	1:A:117:ILE:N	1:A:117:ILE:CA	1:A:117:ILE:C	1:A:118:LYS:N	7	2.14	0.54	1.9
(1,90)	1:A:126:LEU:N	1:A:126:LEU:CA	1:A:126:LEU:C	1:A:127:HIS:N	6	2.87	0.9	3.15
(1,225)	2:B:53:GLY:C	2:B:54:ILE:N	2:B:54:ILE:CA	2:B:54:ILE:C	5	2.66	1.18	2.2
(1,320)	2:C:50:ALA:N	2:C:50:ALA:CA	2:C:50:ALA:C	2:C:51:VAL:N	4	3.78	1.99	3.4
(1,117)	1:A:144:ILE:C	1:A:145:THR:N	1:A:145:THR:CA	1:A:145:THR:C	4	2.78	1.07	2.65
(1,328)	2:C:54:ILE:N	2:C:54:ILE:CA	2:C:54:ILE:C	2:C:55:LEU:N	4	2.22	1.05	1.8
(1,94)	1:A:128:ASP:N	1:A:128:ASP:CA	1:A:128:ASP:C	1:A:129:ASN:N	3	2.17	0.45	1.9
(1,156)	2:B:18:SER:N	2:B:18:SER:CA	2:B:18:SER:C	2:B:19:ILE:N	3	2.0	0.43	2.2
(1,106)	1:A:135:LEU:N	1:A:135:LEU:CA	1:A:135:LEU:C	1:A:136:LYS:N	3	1.13	0.05	1.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,327)	2:C:53:GLY:C	2:C:54:ILE:N	2:C:54:ILE:CA	2:C:54:ILE:C	2	5.55	1.35	5.55
(1,91)	1:A:126:LEU:C	1:A:127:HIS:N	1:A:127:HIS:CA	1:A:127:HIS:C	2	5.4	0.9	5.4
(1,32)	1:A:95:SER:N	1:A:95:SER:CA	1:A:95:SER:C	1:A:96:ASP:N	2	2.85	0.15	2.85
(1,318)	2:C:49:GLU:N	2:C:49:GLU:CA	2:C:49:GLU:C	2:C:50:ALA:N	2	2.25	0.15	2.25
(1,84)	1:A:123:GLY:N	1:A:123:GLY:CA	1:A:123:GLY:C	1:A:124:LYS:N	2	2.0	0.9	2.0
(1,209)	2:B:45:GLY:C	2:B:46:PHE:N	2:B:46:PHE:CA	2:B:46:PHE:C	2	1.15	0.05	1.15

[1] Number of violated models, [2]Standard 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.
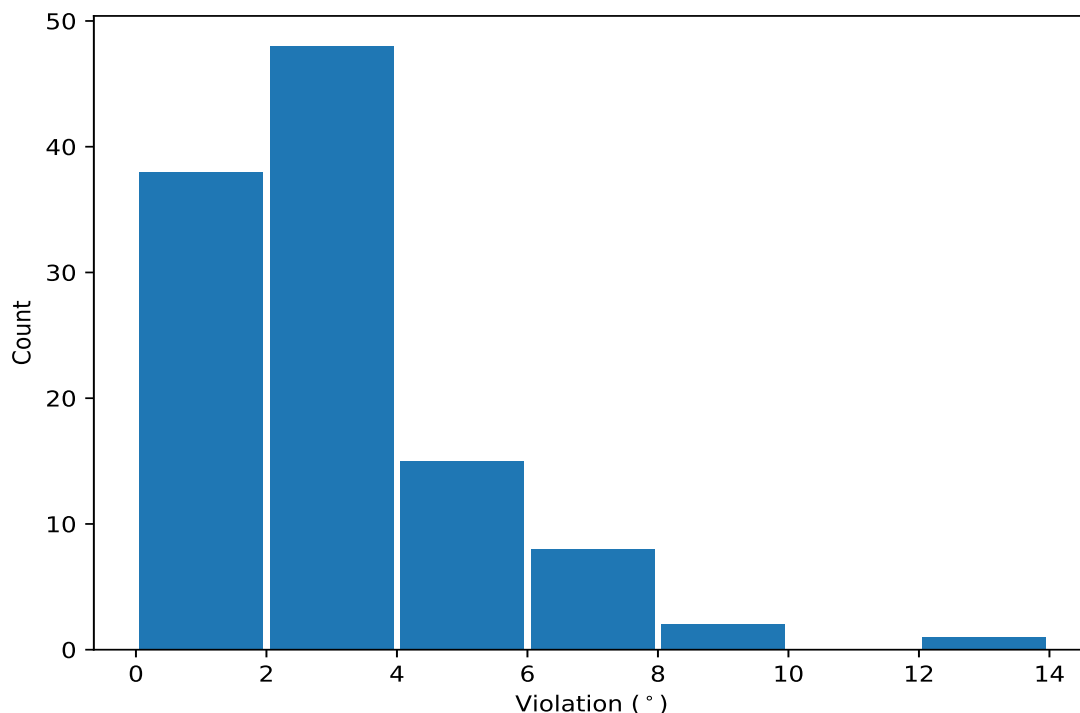
10.5.2 Table: All violated dihedral-angle restraints ⓘ

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 (°)
(1,81)	1:A:120:LEU:C	1:A:121:LEU:N	1:A:121:LEU:CA	1:A:121:LEU:C	6	13.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,82)	1:A:121:LEU:N	1:A:121:LEU:CA	1:A:121:LEU:C	1:A:122:LYS:N	10	8.8
(1,82)	1:A:121:LEU:N	1:A:121:LEU:CA	1:A:121:LEU:C	1:A:122:LYS:N	5	8.5
(1,330)	2:C:55:LEU:N	2:C:55:LEU:CA	2:C:55:LEU:C	2:C:56:GLY:N	9	7.7
(1,82)	1:A:121:LEU:N	1:A:121:LEU:CA	1:A:121:LEU:C	1:A:122:LYS:N	9	7.1
(1,327)	2:C:53:GLY:C	2:C:54:ILE:N	2:C:54:ILE:CA	2:C:54:ILE:C	10	6.9
(1,320)	2:C:50:ALA:N	2:C:50:ALA:CA	2:C:50:ALA:C	2:C:51:VAL:N	9	6.9
(1,124)	1:A:148:ILE:N	1:A:148:ILE:CA	1:A:148:ILE:C	1:A:149:LYS:N	2	6.8
(1,91)	1:A:126:LEU:C	1:A:127:HIS:N	1:A:127:HIS:CA	1:A:127:HIS:C	5	6.3
(1,323)	2:C:51:VAL:C	2:C:52:SER:N	2:C:52:SER:CA	2:C:52:SER:C	9	6.3
(1,82)	1:A:121:LEU:N	1:A:121:LEU:CA	1:A:121:LEU:C	1:A:122:LYS:N	7	6.1
(1,114)	1:A:143:THR:N	1:A:143:THR:CA	1:A:143:THR:C	1:A:144:ILE:N	2	5.8
(1,80)	1:A:120:LEU:N	1:A:120:LEU:CA	1:A:120:LEU:C	1:A:121:LEU:N	6	5.7
(1,82)	1:A:121:LEU:N	1:A:121:LEU:CA	1:A:121:LEU:C	1:A:122:LYS:N	2	5.3
(1,124)	1:A:148:ILE:N	1:A:148:ILE:CA	1:A:148:ILE:C	1:A:149:LYS:N	3	5.3
(1,82)	1:A:121:LEU:N	1:A:121:LEU:CA	1:A:121:LEU:C	1:A:122:LYS:N	1	5.2
(1,123)	1:A:147:MET:C	1:A:148:ILE:N	1:A:148:ILE:CA	1:A:148:ILE:C	2	4.8
(1,225)	2:B:53:GLY:C	2:B:54:ILE:N	2:B:54:ILE:CA	2:B:54:ILE:C	5	4.7
(1,91)	1:A:126:LEU:C	1:A:127:HIS:N	1:A:127:HIS:CA	1:A:127:HIS:C	9	4.5
(1,123)	1:A:147:MET:C	1:A:148:ILE:N	1:A:148:ILE:CA	1:A:148:ILE:C	10	4.4
(1,327)	2:C:53:GLY:C	2:C:54:ILE:N	2:C:54:ILE:CA	2:C:54:ILE:C	5	4.2
(1,218)	2:B:50:ALA:N	2:B:50:ALA:CA	2:B:50:ALA:C	2:B:51:VAL:N	4	4.2
(1,117)	1:A:144:ILE:C	1:A:145:THR:N	1:A:145:THR:CA	1:A:145:THR:C	10	4.2
(1,123)	1:A:147:MET:C	1:A:148:ILE:N	1:A:148:ILE:CA	1:A:148:ILE:C	3	4.1
(1,328)	2:C:54:ILE:N	2:C:54:ILE:CA	2:C:54:ILE:C	2:C:55:LEU:N	10	4.0
(1,321)	2:C:50:ALA:C	2:C:51:VAL:N	2:C:51:VAL:CA	2:C:51:VAL:C	9	4.0
(1,90)	1:A:126:LEU:N	1:A:126:LEU:CA	1:A:126:LEU:C	1:A:127:HIS:N	7	3.9
(1,82)	1:A:121:LEU:N	1:A:121:LEU:CA	1:A:121:LEU:C	1:A:122:LYS:N	3	3.9
(1,123)	1:A:147:MET:C	1:A:148:ILE:N	1:A:148:ILE:CA	1:A:148:ILE:C	4	3.8
(1,215)	2:B:48:ARG:C	2:B:49:GLU:N	2:B:49:GLU:CA	2:B:49:GLU:C	5	3.7
(1,320)	2:C:50:ALA:N	2:C:50:ALA:CA	2:C:50:ALA:C	2:C:51:VAL:N	8	3.6
(1,124)	1:A:148:ILE:N	1:A:148:ILE:CA	1:A:148:ILE:C	1:A:149:LYS:N	10	3.6
(1,90)	1:A:126:LEU:N	1:A:126:LEU:CA	1:A:126:LEU:C	1:A:127:HIS:N	10	3.5
(1,82)	1:A:121:LEU:N	1:A:121:LEU:CA	1:A:121:LEU:C	1:A:122:LYS:N	8	3.5
(1,90)	1:A:126:LEU:N	1:A:126:LEU:CA	1:A:126:LEU:C	1:A:127:HIS:N	6	3.4
(1,123)	1:A:147:MET:C	1:A:148:ILE:N	1:A:148:ILE:CA	1:A:148:ILE:C	7	3.4
(1,117)	1:A:144:ILE:C	1:A:145:THR:N	1:A:145:THR:CA	1:A:145:THR:C	7	3.4
(1,320)	2:C:50:ALA:N	2:C:50:ALA:CA	2:C:50:ALA:C	2:C:51:VAL:N	3	3.2
(1,225)	2:B:53:GLY:C	2:B:54:ILE:N	2:B:54:ILE:CA	2:B:54:ILE:C	10	3.2
(1,123)	1:A:147:MET:C	1:A:148:ILE:N	1:A:148:ILE:CA	1:A:148:ILE:C	9	3.2
(1,74)	1:A:117:ILE:N	1:A:117:ILE:CA	1:A:117:ILE:C	1:A:118:LYS:N	3	3.0
(1,32)	1:A:95:SER:N	1:A:95:SER:CA	1:A:95:SER:C	1:A:96:ASP:N	5	3.0
(1,218)	2:B:50:ALA:N	2:B:50:ALA:CA	2:B:50:ALA:C	2:B:51:VAL:N	2	3.0
(1,218)	2:B:50:ALA:N	2:B:50:ALA:CA	2:B:50:ALA:C	2:B:51:VAL:N	3	3.0
(1,90)	1:A:126:LEU:N	1:A:126:LEU:CA	1:A:126:LEU:C	1:A:127:HIS:N	3	2.9
(1,84)	1:A:123:GLY:N	1:A:123:GLY:CA	1:A:123:GLY:C	1:A:124:LYS:N	2	2.9
(1,74)	1:A:117:ILE:N	1:A:117:ILE:CA	1:A:117:ILE:C	1:A:118:LYS:N	4	2.9
(1,22)	1:A:90:HIS:N	1:A:90:HIS:CA	1:A:90:HIS:C	1:A:91:ASP:N	3	2.9
(1,124)	1:A:148:ILE:N	1:A:148:ILE:CA	1:A:148:ILE:C	1:A:149:LYS:N	7	2.9
(1,94)	1:A:128:ASP:N	1:A:128:ASP:CA	1:A:128:ASP:C	1:A:129:ASN:N	10	2.8
(1,124)	1:A:148:ILE:N	1:A:148:ILE:CA	1:A:148:ILE:C	1:A:149:LYS:N	4	2.8
(1,123)	1:A:147:MET:C	1:A:148:ILE:N	1:A:148:ILE:CA	1:A:148:ILE:C	8	2.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,32)	1:A:95:SER:N	1:A:95:SER:CA	1:A:95:SER:C	1:A:96:ASP:N	8	2.7
(1,218)	2:B:50:ALA:N	2:B:50:ALA:CA	2:B:50:ALA:C	2:B:51:VAL:N	8	2.7
(1,20)	1:A:89:GLU:N	1:A:89:GLU:CA	1:A:89:GLU:C	1:A:90:HIS:N	10	2.7
(1,317)	2:C:48:ARG:C	2:C:49:GLU:N	2:C:49:GLU:CA	2:C:49:GLU:C	10	2.6
(1,119)	1:A:145:THR:C	1:A:146:VAL:N	1:A:146:VAL:CA	1:A:146:VAL:C	3	2.6
(1,318)	2:C:49:GLU:N	2:C:49:GLU:CA	2:C:49:GLU:C	2:C:50:ALA:N	9	2.4
(1,156)	2:B:18:SER:N	2:B:18:SER:CA	2:B:18:SER:C	2:B:19:ILE:N	1	2.4
(1,90)	1:A:126:LEU:N	1:A:126:LEU:CA	1:A:126:LEU:C	1:A:127:HIS:N	2	2.3
(1,316)	2:C:48:ARG:N	2:C:48:ARG:CA	2:C:48:ARG:C	2:C:49:GLU:N	3	2.3
(1,124)	1:A:148:ILE:N	1:A:148:ILE:CA	1:A:148:ILE:C	1:A:149:LYS:N	9	2.3
(1,74)	1:A:117:ILE:N	1:A:117:ILE:CA	1:A:117:ILE:C	1:A:118:LYS:N	6	2.2
(1,258)	2:C:18:SER:N	2:C:18:SER:CA	2:C:18:SER:C	2:C:19:ILE:N	4	2.2
(1,225)	2:B:53:GLY:C	2:B:54:ILE:N	2:B:54:ILE:CA	2:B:54:ILE:C	9	2.2
(1,156)	2:B:18:SER:N	2:B:18:SER:CA	2:B:18:SER:C	2:B:19:ILE:N	10	2.2
(1,82)	1:A:121:LEU:N	1:A:121:LEU:CA	1:A:121:LEU:C	1:A:122:LYS:N	4	2.1
(1,72)	1:A:116:GLU:N	1:A:116:GLU:CA	1:A:116:GLU:C	1:A:117:ILE:N	8	2.1
(1,318)	2:C:49:GLU:N	2:C:49:GLU:CA	2:C:49:GLU:C	2:C:50:ALA:N	10	2.1
(1,218)	2:B:50:ALA:N	2:B:50:ALA:CA	2:B:50:ALA:C	2:B:51:VAL:N	1	2.1
(1,218)	2:B:50:ALA:N	2:B:50:ALA:CA	2:B:50:ALA:C	2:B:51:VAL:N	9	2.1
(1,172)	2:B:27:GLU:N	2:B:27:GLU:CA	2:B:27:GLU:C	2:B:28:ASP:N	1	2.1
(1,328)	2:C:54:ILE:N	2:C:54:ILE:CA	2:C:54:ILE:C	2:C:55:LEU:N	1	2.0
(1,218)	2:B:50:ALA:N	2:B:50:ALA:CA	2:B:50:ALA:C	2:B:51:VAL:N	5	2.0
(1,94)	1:A:128:ASP:N	1:A:128:ASP:CA	1:A:128:ASP:C	1:A:129:ASN:N	3	1.9
(1,74)	1:A:117:ILE:N	1:A:117:ILE:CA	1:A:117:ILE:C	1:A:118:LYS:N	5	1.9
(1,117)	1:A:144:ILE:C	1:A:145:THR:N	1:A:145:THR:CA	1:A:145:THR:C	2	1.9
(1,94)	1:A:128:ASP:N	1:A:128:ASP:CA	1:A:128:ASP:C	1:A:129:ASN:N	1	1.8
(1,74)	1:A:117:ILE:N	1:A:117:ILE:CA	1:A:117:ILE:C	1:A:118:LYS:N	7	1.8
(1,225)	2:B:53:GLY:C	2:B:54:ILE:N	2:B:54:ILE:CA	2:B:54:ILE:C	3	1.8
(1,218)	2:B:50:ALA:N	2:B:50:ALA:CA	2:B:50:ALA:C	2:B:51:VAL:N	6	1.7
(1,157)	2:B:18:SER:C	2:B:19:ILE:N	2:B:19:ILE:CA	2:B:19:ILE:C	5	1.7
(1,74)	1:A:117:ILE:N	1:A:117:ILE:CA	1:A:117:ILE:C	1:A:118:LYS:N	2	1.6
(1,74)	1:A:117:ILE:N	1:A:117:ILE:CA	1:A:117:ILE:C	1:A:118:LYS:N	9	1.6
(1,69)	1:A:114:ILE:C	1:A:115:SER:N	1:A:115:SER:CA	1:A:115:SER:C	9	1.6
(1,328)	2:C:54:ILE:N	2:C:54:ILE:CA	2:C:54:ILE:C	2:C:55:LEU:N	5	1.6
(1,228)	2:B:55:LEU:N	2:B:55:LEU:CA	2:B:55:LEU:C	2:B:56:GLY:N	10	1.6
(1,123)	1:A:147:MET:C	1:A:148:ILE:N	1:A:148:ILE:CA	1:A:148:ILE:C	1	1.6
(1,117)	1:A:144:ILE:C	1:A:145:THR:N	1:A:145:THR:CA	1:A:145:THR:C	5	1.6
(1,218)	2:B:50:ALA:N	2:B:50:ALA:CA	2:B:50:ALA:C	2:B:51:VAL:N	7	1.5
(1,116)	1:A:144:ILE:N	1:A:144:ILE:CA	1:A:144:ILE:C	1:A:145:THR:N	2	1.5
(1,320)	2:C:50:ALA:N	2:C:50:ALA:CA	2:C:50:ALA:C	2:C:51:VAL:N	2	1.4
(1,225)	2:B:53:GLY:C	2:B:54:ILE:N	2:B:54:ILE:CA	2:B:54:ILE:C	1	1.4
(1,156)	2:B:18:SER:N	2:B:18:SER:CA	2:B:18:SER:C	2:B:19:ILE:N	4	1.4
(1,124)	1:A:148:ILE:N	1:A:148:ILE:CA	1:A:148:ILE:C	1:A:149:LYS:N	8	1.4
(1,87)	1:A:124:LYS:C	1:A:125:VAL:N	1:A:125:VAL:CA	1:A:125:VAL:C	2	1.3
(1,65)	1:A:112:SER:C	1:A:113:HIS:N	1:A:113:HIS:CA	1:A:113:HIS:C	9	1.3
(1,328)	2:C:54:ILE:N	2:C:54:ILE:CA	2:C:54:ILE:C	2:C:55:LEU:N	4	1.3
(1,218)	2:B:50:ALA:N	2:B:50:ALA:CA	2:B:50:ALA:C	2:B:51:VAL:N	10	1.3
(1,90)	1:A:126:LEU:N	1:A:126:LEU:CA	1:A:126:LEU:C	1:A:127:HIS:N	4	1.2
(1,88)	1:A:125:VAL:N	1:A:125:VAL:CA	1:A:125:VAL:C	1:A:126:LEU:N	4	1.2
(1,73)	1:A:116:GLU:C	1:A:117:ILE:N	1:A:117:ILE:CA	1:A:117:ILE:C	10	1.2
(1,209)	2:B:45:GLY:C	2:B:46:PHE:N	2:B:46:PHE:CA	2:B:46:PHE:C	10	1.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,16)	1:A:87:SER:N	1:A:87:SER:CA	1:A:87:SER:C	1:A:88:ILE:N	1	1.2
(1,12)	1:A:79:LYS:N	1:A:79:LYS:CA	1:A:79:LYS:C	1:A:80:LYS:N	6	1.2
(1,106)	1:A:135:LEU:N	1:A:135:LEU:CA	1:A:135:LEU:C	1:A:136:LYS:N	5	1.2
(1,84)	1:A:123:GLY:N	1:A:123:GLY:CA	1:A:123:GLY:C	1:A:124:LYS:N	7	1.1
(1,265)	2:C:21:GLU:C	2:C:22:LYS:N	2:C:22:LYS:CA	2:C:22:LYS:C	2	1.1
(1,26)	1:A:92:PHE:N	1:A:92:PHE:CA	1:A:92:PHE:C	1:A:93:SER:N	10	1.1
(1,209)	2:B:45:GLY:C	2:B:46:PHE:N	2:B:46:PHE:CA	2:B:46:PHE:C	2	1.1
(1,106)	1:A:135:LEU:N	1:A:135:LEU:CA	1:A:135:LEU:C	1:A:136:LYS:N	2	1.1
(1,106)	1:A:135:LEU:N	1:A:135:LEU:CA	1:A:135:LEU:C	1:A:136:LYS:N	8	1.1