



Full wwPDB NMR Structure Validation Report ⓘ

Jun 3, 2023 – 09:16 PM EDT

PDB ID : 2KRF
BMRB ID : 16636
Title : NMR solution structure of the DNA binding domain of Competence protein A
Authors : Hobbs, C.A.; Bobay, B.G.; Thompson, R.J.; Perego, M.; Cavanagh, J.
Deposited on : 2009-12-16

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

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/NMRValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

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

MolProbity : 4.02b-467
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
wwPDB-RCI : v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV : Wang et al. (2010)
wwPDB-ShiftChecker : v1.2
BMRB Restraints Analysis : v1.2
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.33

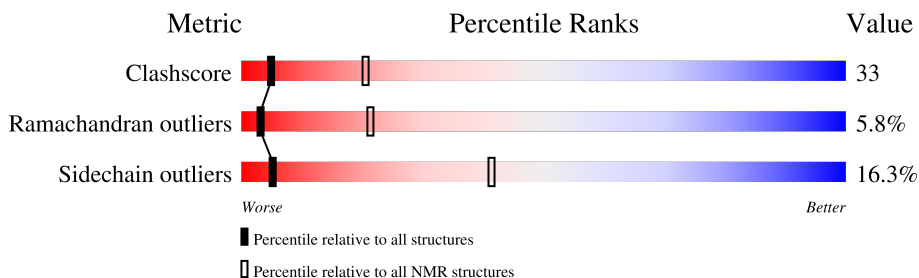
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 39%.

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



Metric	Whole archive (#Entries)	NMR archive (#Entries)
Clashscore	158937	12864
Ramachandran outliers	154571	11451
Sidechain outliers	154315	11428

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

Mol	Chain	Length	Quality of chain
1	A	73	
1	B	73	

2 Ensemble composition and analysis

This entry contains 10 models. Model 3 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:154-A:212, B:152-B:212 (120)	0.29	3

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 2 single-model clusters were found.

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

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 2178 atoms, of which 1102 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Transcriptional regulatory protein comA.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	69	1089	335	551	92	110	1	0
1	B	69	1089	335	551	92	110	1	0

There are 8 discrepancies between the modelled and reference sequences:

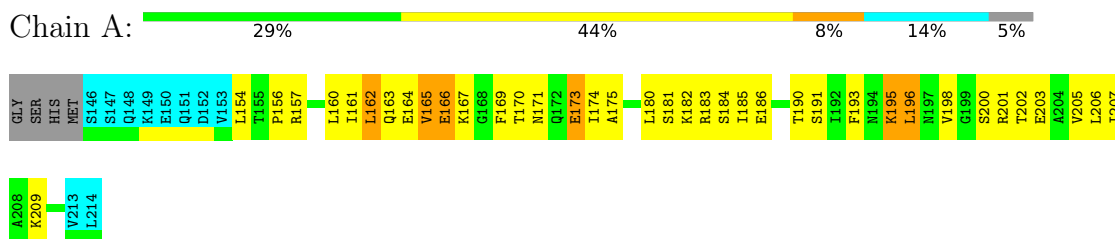
Chain	Residue	Modelled	Actual	Comment	Reference
A	142	GLY	-	insertion	UNP P14204
A	143	SER	-	insertion	UNP P14204
A	144	HIS	-	insertion	UNP P14204
A	145	MET	-	insertion	UNP P14204
B	142	GLY	-	insertion	UNP P14204
B	143	SER	-	insertion	UNP P14204
B	144	HIS	-	insertion	UNP P14204
B	145	MET	-	insertion	UNP P14204

4 Residue-property plots [i](#)

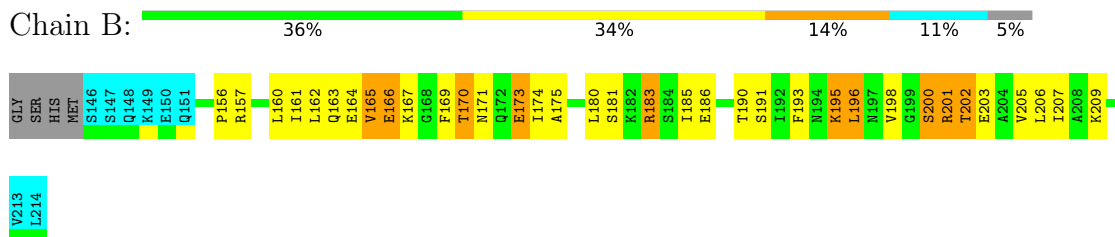
4.1 Average score per residue in the NMR ensemble

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

- Molecule 1: Transcriptional regulatory protein comA



- Molecule 1: Transcriptional regulatory protein comA

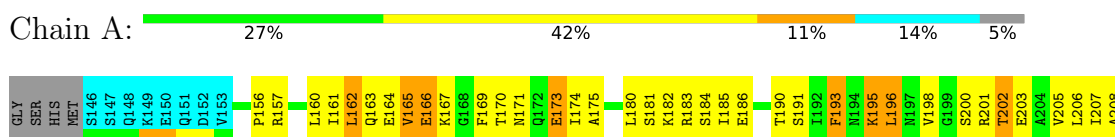


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

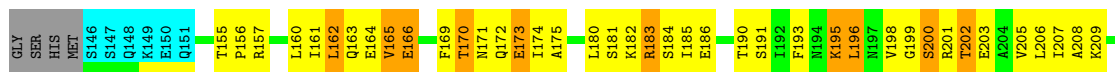
- Molecule 1: Transcriptional regulatory protein comA





- Molecule 1: Transcriptional regulatory protein comA

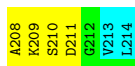
Chain B: 29% 41% 14% 11% 5%



4.2.2 Score per residue for model 2

- Molecule 1: Transcriptional regulatory protein comA

Chain A: 25% 47% 10% 14% 5%



- Molecule 1: Transcriptional regulatory protein comA

Chain B: 26% 45% 12% 11% 5%



4.2.3 Score per residue for model 3 (medoid)

- Molecule 1: Transcriptional regulatory protein comA

Chain A: 29% 40% 12% 14% 5%



- Molecule 1: Transcriptional regulatory protein comA

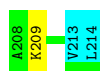
Chain B:



4.2.4 Score per residue for model 4

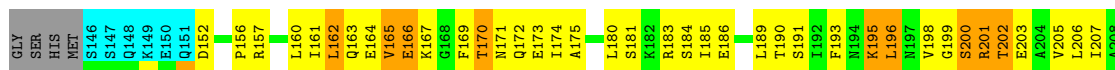
- Molecule 1: Transcriptional regulatory protein comA

Chain A:



- Molecule 1: Transcriptional regulatory protein comA

Chain B:



4.2.5 Score per residue for model 5

- Molecule 1: Transcriptional regulatory protein comA

Chain A:



- Molecule 1: Transcriptional regulatory protein comA

Chain B:





4.2.6 Score per residue for model 6

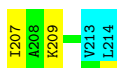
- Molecule 1: Transcriptional regulatory protein comA

Chain A: 26% 44% 11% 14% 5%



- Molecule 1: Transcriptional regulatory protein comA

Chain B: 29% 42% 12% 11% 5%



4.2.7 Score per residue for model 7

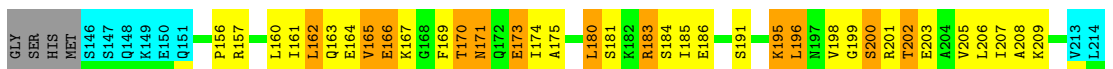
- Molecule 1: Transcriptional regulatory protein comA

Chain A: 27% 44% 10% 14% 5%



- Molecule 1: Transcriptional regulatory protein comA

Chain B: 34% 33% 16% 11% 5%



4.2.8 Score per residue for model 8

- Molecule 1: Transcriptional regulatory protein comA



- Molecule 1: Transcriptional regulatory protein comA

Chain B: 34% 33% 16% 11% 5%



5 Refinement protocol and experimental data overview

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

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	1.2
CNS	structure solution	1.1
CNS	refinement	1.1

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	761
Number of shifts mapped to atoms	740
Number of unparsed shifts	0
Number of shifts with mapping errors	21
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	39%

6 Model quality i

6.1 Standard geometry i

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 i

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	459	473	472	35±3
1	B	474	486	485	36±4
All	All	9330	9590	9570	626

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 33.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:166:GLU:HA	1:B:205:VAL:HG23	0.83	1.47	7	10
1:A:166:GLU:HA	1:A:205:VAL:HG23	0.77	1.53	7	10
1:A:209:LYS:HB3	1:B:209:LYS:HD2	0.76	1.54	1	10
1:B:164:GLU:HB2	1:B:174:ILE:HG12	0.76	1.55	2	10
1:A:209:LYS:HD2	1:B:209:LYS:HB3	0.74	1.57	1	10
1:B:171:ASN:HB2	1:B:185:ILE:HD13	0.73	1.61	8	10
1:A:171:ASN:HB2	1:A:185:ILE:HD13	0.72	1.61	8	10
1:B:165:VAL:HG13	1:B:174:ILE:HD11	0.72	1.59	4	10
1:B:196:LEU:HB3	1:B:198:VAL:HG23	0.72	1.62	5	10
1:A:165:VAL:HG13	1:A:174:ILE:HD11	0.71	1.62	2	10
1:A:164:GLU:HB2	1:A:174:ILE:HG12	0.70	1.62	10	10
1:B:154:LEU:HD22	1:B:195:LYS:HB3	0.70	1.64	10	1
1:B:169:PHE:O	1:B:170:THR:HB	0.67	1.88	8	10

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:172:GLN:HA	1:A:182:LYS:HD2	0.67	1.65	5	1
1:B:156:PRO:O	1:B:160:LEU:HG	0.64	1.93	8	10
1:B:160:LEU:O	1:B:164:GLU:HG2	0.63	1.93	9	10
1:A:181:SER:O	1:A:185:ILE:HG13	0.63	1.93	9	10
1:A:196:LEU:HB3	1:A:198:VAL:HG23	0.63	1.70	3	10
1:B:191:SER:O	1:B:195:LYS:HE2	0.63	1.93	9	9
1:A:175:ALA:HB2	1:A:185:ILE:HG12	0.62	1.70	6	10
1:B:169:PHE:HB2	1:B:173:GLU:HG2	0.62	1.70	3	9
1:B:170:THR:HG23	1:B:172:GLN:H	0.62	1.54	8	5
1:B:181:SER:O	1:B:185:ILE:HG13	0.60	1.94	10	10
1:B:160:LEU:O	1:B:163:GLN:HG2	0.60	1.97	2	1
1:B:175:ALA:HB2	1:B:185:ILE:HG12	0.60	1.74	10	9
1:A:185:ILE:HD12	1:A:186:GLU:N	0.59	2.12	9	10
1:B:185:ILE:HD12	1:B:186:GLU:N	0.59	2.13	1	10
1:A:209:LYS:CB	1:B:209:LYS:HD2	0.59	2.27	1	8
1:B:198:VAL:HG12	1:B:200:SER:H	0.58	1.58	4	6
1:A:175:ALA:HB2	1:A:185:ILE:CG1	0.58	2.29	6	10
1:A:203:GLU:O	1:A:207:ILE:HG12	0.57	2.00	10	10
1:A:209:LYS:HD2	1:B:209:LYS:CB	0.57	2.29	1	8
1:A:156:PRO:O	1:A:160:LEU:HG	0.56	2.00	4	10
1:A:191:SER:O	1:A:195:LYS:HE2	0.56	2.00	2	9
1:B:164:GLU:CB	1:B:174:ILE:HG12	0.56	2.31	2	8
1:B:203:GLU:O	1:B:207:ILE:HG12	0.55	2.01	4	10
1:A:206:LEU:HB2	1:B:205:VAL:CG2	0.55	2.32	6	10
1:A:160:LEU:O	1:A:164:GLU:HG2	0.54	2.02	1	10
1:B:157:ARG:O	1:B:161:ILE:HG12	0.54	2.03	5	10
1:B:175:ALA:HB2	1:B:185:ILE:CG1	0.54	2.33	10	10
1:A:169:PHE:HB2	1:A:173:GLU:HG2	0.53	1.80	8	8
1:A:183:ARG:HA	1:A:186:GLU:OE2	0.53	2.03	6	2
1:A:205:VAL:CG2	1:B:206:LEU:HB2	0.53	2.34	6	10
1:A:157:ARG:O	1:A:161:ILE:HG12	0.53	2.04	2	10
1:B:183:ARG:HD3	1:B:184:SER:N	0.53	2.18	1	1
1:B:171:ASN:HA	1:B:174:ILE:CD1	0.53	2.34	5	10
1:B:183:ARG:HA	1:B:186:GLU:OE1	0.52	2.04	8	2
1:B:190:THR:O	1:B:193:PHE:HB3	0.52	2.05	1	8
1:B:155:THR:HG22	1:B:156:PRO:HD2	0.52	1.80	6	2
1:A:160:LEU:HA	1:A:163:GLN:HG2	0.52	1.81	8	9
1:A:163:GLN:O	1:A:167:LYS:HE3	0.52	2.05	5	8
1:A:154:LEU:HB3	1:A:158:GLU:HB3	0.52	1.80	9	1
1:A:171:ASN:HA	1:A:174:ILE:CD1	0.51	2.35	10	10
1:B:171:ASN:HA	1:B:174:ILE:HD12	0.51	1.80	9	9

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:169:PHE:O	1:A:170:THR:HB	0.51	2.06	3	8
1:A:205:VAL:HG21	1:B:202:THR:HG23	0.51	1.82	1	7
1:A:189:LEU:HG	1:A:201:ARG:HD3	0.50	1.83	3	1
1:A:170:THR:HG23	1:A:172:GLN:H	0.50	1.66	8	1
1:B:171:ASN:HB3	1:B:201:ARG:HD3	0.50	1.83	10	3
1:A:171:ASN:HA	1:A:174:ILE:HD12	0.50	1.83	6	9
1:B:163:GLN:HA	1:B:166:GLU:CG	0.50	2.37	6	2
1:A:162:LEU:HD11	1:A:208:ALA:HB2	0.50	1.83	7	2
1:B:154:LEU:HB3	1:B:158:GLU:HB3	0.50	1.83	9	1
1:A:171:ASN:HB3	1:A:201:ARG:HD2	0.50	1.84	6	1
1:B:207:ILE:HA	1:B:210:SER:OG	0.49	2.07	3	1
1:B:162:LEU:HD11	1:B:208:ALA:HB2	0.49	1.84	7	1
1:A:189:LEU:HG	1:A:201:ARG:HE	0.48	1.68	7	1
1:B:160:LEU:HA	1:B:163:GLN:HG2	0.48	1.84	6	6
1:A:210:SER:OG	1:B:209:LYS:HE3	0.48	2.08	1	5
1:A:170:THR:HB	1:B:200:SER:OG	0.48	2.08	10	1
1:B:183:ARG:HA	1:B:186:GLU:OE2	0.48	2.08	3	1
1:A:190:THR:O	1:A:193:PHE:HB3	0.48	2.09	6	7
1:A:154:LEU:HB3	1:A:158:GLU:CB	0.48	2.39	9	1
1:A:163:GLN:HA	1:A:166:GLU:CG	0.47	2.40	6	3
1:B:163:GLN:O	1:B:167:LYS:HE3	0.47	2.09	4	6
1:B:189:LEU:HG	1:B:201:ARG:HD3	0.47	1.84	4	2
1:B:199:GLY:O	1:B:200:SER:HB2	0.47	2.09	1	4
1:A:164:GLU:CB	1:A:174:ILE:HG12	0.46	2.40	2	9
1:A:180:LEU:HB3	1:A:184:SER:HB2	0.46	1.86	2	5
1:B:182:LYS:O	1:B:186:GLU:HB3	0.46	2.10	1	2
1:A:158:GLU:OE2	1:A:195:LYS:HE3	0.46	2.10	3	1
1:A:183:ARG:NH1	1:A:184:SER:HB2	0.46	2.26	6	1
1:B:180:LEU:HB3	1:B:184:SER:HB2	0.46	1.88	7	3
1:B:161:ILE:O	1:B:165:VAL:HG22	0.46	2.10	2	7
1:A:161:ILE:O	1:A:165:VAL:HG22	0.45	2.10	2	6
1:A:165:VAL:HG12	1:B:202:THR:OG1	0.45	2.11	1	3
1:A:183:ARG:O	1:A:186:GLU:HG2	0.45	2.10	3	1
1:A:182:LYS:HA	1:A:185:ILE:HD11	0.45	1.89	1	4
1:B:183:ARG:O	1:B:186:GLU:HG2	0.45	2.11	8	2
1:B:203:GLU:HA	1:B:206:LEU:HB3	0.45	1.88	7	2
1:A:173:GLU:HG3	1:A:174:ILE:N	0.45	2.27	2	4
1:B:174:ILE:HD12	1:B:189:LEU:HD21	0.44	1.89	2	1
1:B:162:LEU:O	1:B:165:VAL:HG23	0.44	2.13	1	3
1:A:183:ARG:HD3	1:A:184:SER:N	0.44	2.27	2	1
1:A:172:GLN:CA	1:A:182:LYS:HD2	0.44	2.41	5	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:183:ARG:NH1	1:A:184:SER:HA	0.44	2.27	2	1
1:B:182:LYS:HA	1:B:185:ILE:HD11	0.43	1.89	10	2
1:B:171:ASN:HB3	1:B:201:ARG:CD	0.43	2.43	4	2
1:A:206:LEU:HB2	1:B:205:VAL:HG22	0.43	1.90	1	3
1:A:209:LYS:CG	1:B:209:LYS:HD2	0.43	2.44	2	3
1:B:154:LEU:HB3	1:B:158:GLU:CB	0.43	2.44	9	1
1:A:209:LYS:HD2	1:B:209:LYS:HD2	0.43	1.90	10	2
1:B:155:THR:CG2	1:B:156:PRO:HD2	0.43	2.44	1	1
1:A:171:ASN:HB3	1:A:201:ARG:CD	0.43	2.44	6	3
1:A:202:THR:OG1	1:B:165:VAL:HG12	0.43	2.14	9	4
1:A:199:GLY:O	1:A:200:SER:HB2	0.43	2.14	5	1
1:A:202:THR:CB	1:B:170:THR:HA	0.43	2.43	9	1
1:A:209:LYS:HE3	1:B:210:SER:OG	0.42	2.13	2	1
1:A:155:THR:CG2	1:A:156:PRO:HD2	0.42	2.44	6	1
1:A:161:ILE:HA	1:A:174:ILE:HG21	0.42	1.90	10	1
1:A:209:LYS:HD2	1:B:209:LYS:CG	0.42	2.45	2	1
1:A:196:LEU:O	1:A:196:LEU:HD23	0.42	2.15	7	1
1:A:182:LYS:O	1:A:186:GLU:HB3	0.42	2.14	6	2
1:A:161:ILE:HA	1:A:174:ILE:CG2	0.42	2.45	10	1
1:B:180:LEU:HB3	1:B:184:SER:HB3	0.42	1.90	6	1
1:B:161:ILE:HA	1:B:174:ILE:CG2	0.41	2.45	10	2
1:A:154:LEU:HD11	1:A:196:LEU:HD12	0.41	1.90	7	1
1:B:169:PHE:O	1:B:170:THR:CB	0.41	2.66	4	3
1:B:161:ILE:HA	1:B:174:ILE:HG21	0.41	1.92	1	2
1:B:165:VAL:HB	1:B:205:VAL:HB	0.41	1.93	7	1
1:A:154:LEU:CD2	1:A:195:LYS:HB3	0.41	2.46	9	1
1:A:202:THR:HB	1:B:170:THR:HA	0.41	1.92	9	1
1:A:205:VAL:HG22	1:B:206:LEU:HB2	0.40	1.93	1	1
1:A:198:VAL:HA	1:A:203:GLU:HB2	0.40	1.93	2	1
1:A:171:ASN:HD22	1:A:185:ILE:CD1	0.40	2.29	9	1
1:A:162:LEU:O	1:A:165:VAL:HG23	0.40	2.16	6	2
1:A:172:GLN:HG2	1:A:182:LYS:HG3	0.40	1.92	5	1
1:B:170:THR:HG23	1:B:172:GLN:N	0.40	2.29	8	1
1:B:158:GLU:OE2	1:B:195:LYS:HE3	0.40	2.16	2	1

6.3 Torsion angles

6.3.1 Protein backbone

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all NMR

entries. The Analysed column shows the number of residues for which the backbone conformation was analysed and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	59/73 (81%)	51±0 (86±1%)	5±1 (9±1%)	3±0 (5±1%)	4	27
1	B	61/73 (84%)	53±1 (86±1%)	4±1 (7±1%)	4±1 (7±1%)	2	18
All	All	1200/1460 (82%)	1037 (86%)	94 (8%)	69 (6%)	3	21

All 9 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	200	SER	10
1	A	201	ARG	10
1	B	170	THR	10
1	B	200	SER	10
1	B	201	ARG	10
1	B	180	LEU	9
1	A	180	LEU	7
1	B	154	LEU	2
1	A	170	THR	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	52/65 (80%)	43±0 (83±1%)	9±0 (17±1%)	5	41
1	B	54/65 (83%)	45±1 (84±1%)	9±1 (16±1%)	5	42
All	All	1060/1300 (82%)	887 (84%)	173 (16%)	5	41

All 31 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	162	LEU	10
1	A	165	VAL	10
1	A	166	GLU	10
1	A	173	GLU	10

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Mol	Chain	Res	Type	Models (Total)
1	A	183	ARG	10
1	A	202	THR	10
1	B	165	VAL	10
1	B	166	GLU	10
1	B	173	GLU	10
1	B	183	ARG	10
1	B	196	LEU	10
1	B	202	THR	10
1	A	195	LYS	9
1	B	162	LEU	9
1	B	195	LYS	9
1	A	196	LEU	7
1	A	193	PHE	2
1	A	171	ASN	2
1	B	171	ASN	2
1	B	157	ARG	2
1	A	179	HIS	1
1	A	186	GLU	1
1	A	182	LYS	1
1	A	181	SER	1
1	A	194	ASN	1
1	B	158	GLU	1
1	A	155	THR	1
1	A	157	ARG	1
1	B	194	ASN	1
1	B	193	PHE	1
1	B	186	GLU	1

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 39% for the well-defined parts and 39% 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	761
Number of shifts mapped to atoms	740
Number of unparsed shifts	0
Number of shifts with mapping errors	21
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	3

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

- No matching atom found in the structure. All 21 occurrences are reported below.

List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	143	SER	HA	4.837	.	1
1	A	143	SER	C	174.764	.	1
1	A	143	SER	CA	59.017	.	1
1	A	143	SER	CB	64.746	.	1
1	A	144	HIS	H	9.093	.	1
1	A	144	HIS	HA	5.043	.	1
1	A	144	HIS	HB2	3.546	.	2
1	A	144	HIS	C	175.343	.	1
1	A	144	HIS	CA	56.641	.	1
1	A	144	HIS	CB	30.49	.	1
1	A	144	HIS	N	123.39	.	1
1	A	145	MET	H	8.857	.	1
1	A	145	MET	HA	4.86	.	1
1	A	145	MET	HB2	2.531	.	2

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	145	MET	HB3	2.43	.	2
1	A	145	MET	HG2	2.872	.	2
1	A	145	MET	C	176.645	.	1
1	A	145	MET	CA	56.39	.	1
1	A	145	MET	CB	33.524	.	1
1	A	145	MET	CG	32.451	.	1
1	A	145	MET	N	124.605	.	1

7.1.2 Chemical shift referencing [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	72	-2.41 ± 0.43	Should be checked
$^{13}\text{C}_\beta$	68	0.24 ± 0.23	None needed (< 0.5 ppm)
$^{13}\text{C}'$	67	-1.78 ± 0.28	Should be applied
^{15}N	69	-0.76 ± 0.22	Should be applied

7.1.3 Completeness of resonance assignments [i](#)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 39%, i.e. 647 atoms were assigned a chemical shift out of a possible 1646. 0 out of 23 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	294/602 (49%)	120/244 (49%)	116/240 (48%)	58/118 (49%)
Sidechain	353/970 (36%)	223/631 (35%)	130/303 (43%)	0/36 (0%)
Aromatic	0/74 (0%)	0/36 (0%)	0/34 (0%)	0/4 (0%)
Overall	647/1646 (39%)	343/911 (38%)	246/577 (43%)	58/158 (37%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 39%, i.e. 739 atoms were assigned a chemical shift out of a possible 1888. 0 out of 28 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	338/692 (49%)	138/280 (49%)	133/276 (48%)	67/136 (49%)
Sidechain	401/1122 (36%)	252/728 (35%)	149/352 (42%)	0/42 (0%)
Aromatic	0/74 (0%)	0/36 (0%)	0/34 (0%)	0/4 (0%)
Overall	739/1888 (39%)	390/1044 (37%)	282/662 (43%)	67/182 (37%)

7.1.4 Statistically unusual chemical shifts [i](#)

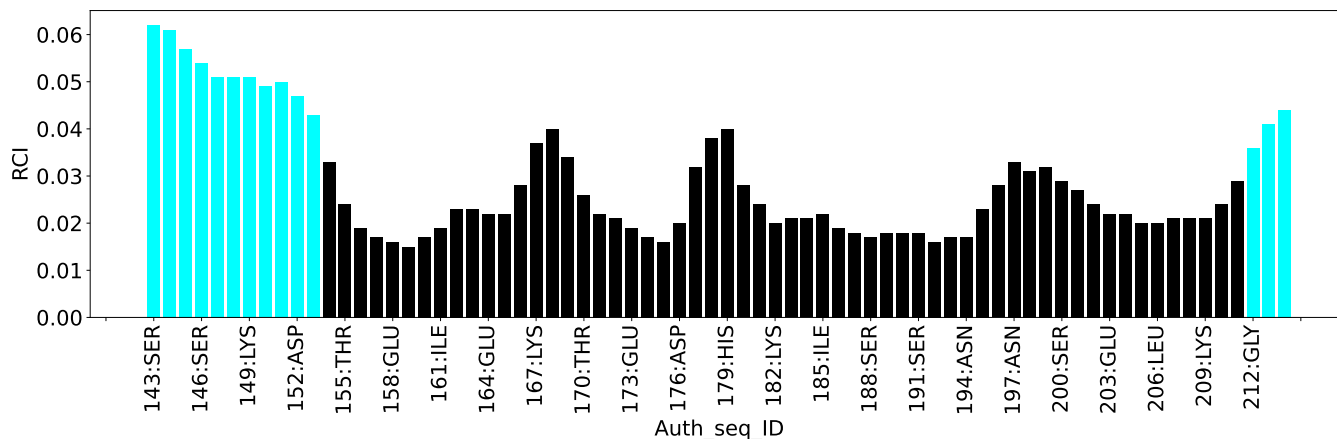
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	174	ILE	HG21	2.20	-0.56 – 2.11	5.3
1	A	174	ILE	HG22	2.20	-0.56 – 2.11	5.3
1	A	174	ILE	HG23	2.20	-0.56 – 2.11	5.3

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

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

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	3744
Intra-residue ($ i-j =0$)	813
Sequential ($ i-j =1$)	880
Medium range ($ i-j >1$ and $ i-j <5$)	1148
Long range ($ i-j \geq 5$)	677
Inter-chain	123
Hydrogen bond restraints	103
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	34
Number of restraints per residue	25.6
Number of long range restraints per residue ¹	4.6

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	108.0	0.2
0.2-0.5 (Medium)	46.8	0.5
>0.5 (Large)	89.7	2.71

8.2.2 Average number of dihedral-angle violations per model

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

9 Distance violation analysis

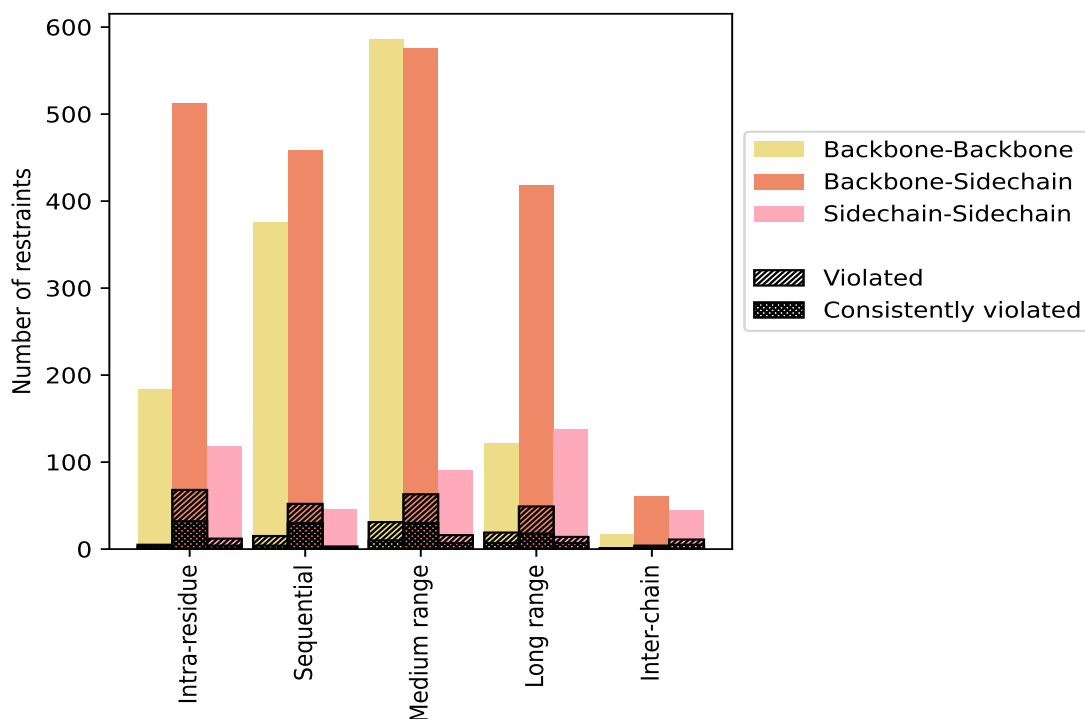
9.1 Summary of distance violations

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

Restrains type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue ($i-j =0$)	813	21.7	85	10.5	2.3	39	4.8	1.0
Backbone-Backbone	183	4.9	5	2.7	0.1	3	1.6	0.1
Backbone-Sidechain	512	13.7	68	13.3	1.8	32	6.2	0.9
Sidechain-Sidechain	118	3.2	12	10.2	0.3	4	3.4	0.1
Sequential ($i-j =1$)	880	23.5	70	8.0	1.9	35	4.0	0.9
Backbone-Backbone	376	10.0	15	4.0	0.4	4	1.1	0.1
Backbone-Sidechain	458	12.2	52	11.4	1.4	30	6.6	0.8
Sidechain-Sidechain	46	1.2	3	6.5	0.1	1	2.2	0.0
Medium range ($i-j >1$ & $i-j <5$)	1148	30.7	96	8.4	2.6	40	3.5	1.1
Backbone-Backbone	483	12.9	17	3.5	0.5	3	0.6	0.1
Backbone-Sidechain	575	15.4	63	11.0	1.7	30	5.2	0.8
Sidechain-Sidechain	90	2.4	16	17.8	0.4	7	7.8	0.2
Long range ($i-j \geq 5$)	677	18.1	82	12.1	2.2	32	4.7	0.9
Backbone-Backbone	121	3.2	19	15.7	0.5	7	5.8	0.2
Backbone-Sidechain	418	11.2	49	11.7	1.3	18	4.3	0.5
Sidechain-Sidechain	138	3.7	14	10.1	0.4	7	5.1	0.2
Inter-chain	123	3.3	16	13.0	0.4	9	7.3	0.2
Backbone-Backbone	17	0.5	1	5.9	0.0	1	5.9	0.0
Backbone-Sidechain	61	1.6	4	6.6	0.1	3	4.9	0.1
Sidechain-Sidechain	45	1.2	11	24.4	0.3	5	11.1	0.1
Hydrogen bond	103	2.8	14	13.6	0.4	7	6.8	0.2
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	3744	100.0	363	9.7	9.7	162	4.3	4.3
Backbone-Backbone	1283	34.3	71	5.5	1.9	25	1.9	0.7
Backbone-Sidechain	2024	54.1	236	11.7	6.3	113	5.6	3.0
Sidechain-Sidechain	437	11.7	56	12.8	1.5	24	5.5	0.6

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

9.1.1 Bar chart : Distribution of distance restraints and violations [i](#)



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

9.2 Distance violation statistics for each model [i](#)

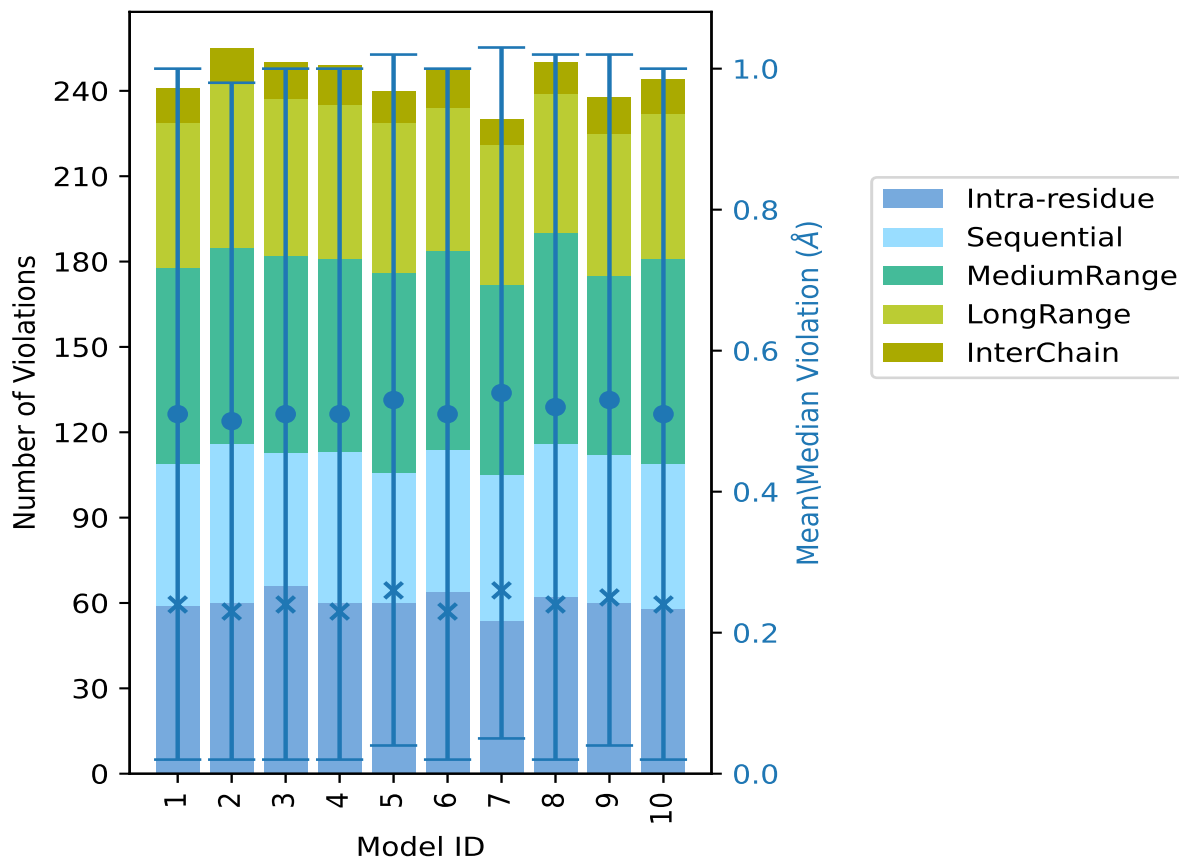
The following table provides the distance violation statistics for each model in the ensemble. Violations less than 0.1 Å are not included in the statistics.

Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
1	59	50	69	51	12	241	0.51	2.68	0.49	0.24
2	60	56	69	58	12	255	0.5	2.68	0.48	0.23
3	66	47	69	55	13	250	0.51	2.68	0.49	0.24
4	60	53	68	54	14	249	0.51	2.68	0.49	0.23
5	60	46	70	53	11	240	0.53	2.71	0.49	0.26
6	64	50	70	50	14	248	0.51	2.7	0.49	0.23
7	54	51	67	49	9	230	0.54	2.68	0.49	0.26
8	62	54	74	49	11	250	0.52	2.68	0.5	0.24
9	60	52	63	50	13	238	0.53	2.66	0.49	0.25
10	58	51	72	51	12	244	0.51	2.68	0.49	0.24

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

⁵Inter-chain restraints, ⁶Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model [i](#)



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

9.3 Distance violation statistics for the ensemble [i](#)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 3292(IR:728, SQ:810, MR:1052, LR:595, IC:107) 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	%
8	10	20	11	2	51	1	10.0
11	4	12	11	1	39	2	20.0
2	2	3	2	0	9	3	30.0
0	2	4	5	0	11	4	40.0

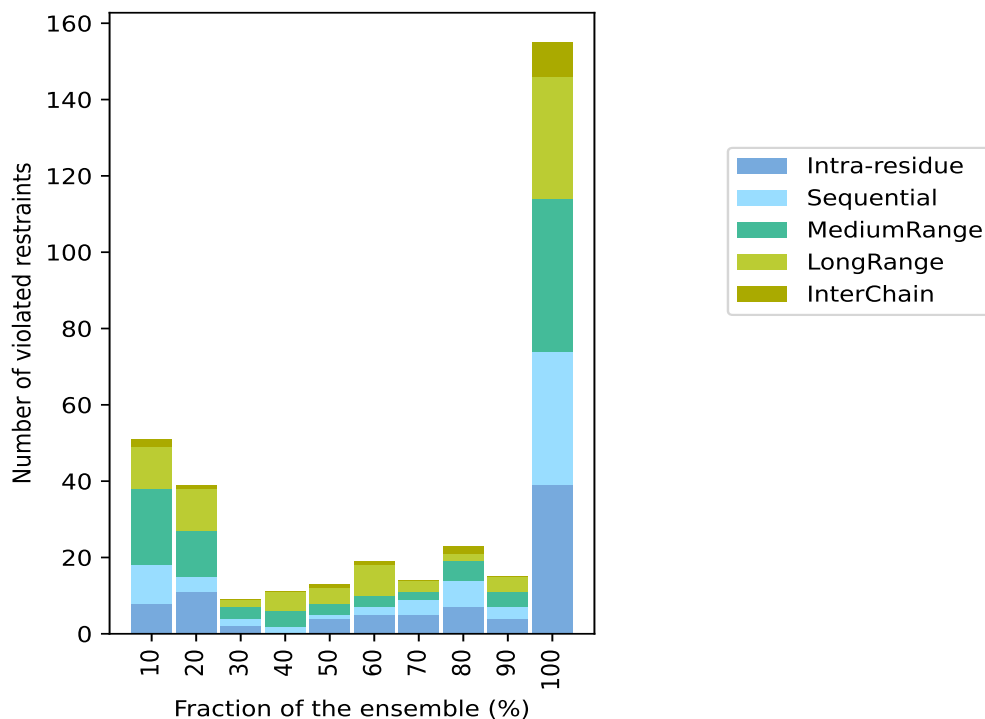
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Number of violated restraints						Fraction of the ensemble	
IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total	Count ⁶	%
4	1	3	4	1	13	5	50.0
5	2	3	8	1	19	6	60.0
5	4	2	3	0	14	7	70.0
7	7	5	2	2	23	8	80.0
4	3	4	4	0	15	9	90.0
39	35	40	32	9	155	10	100.0

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

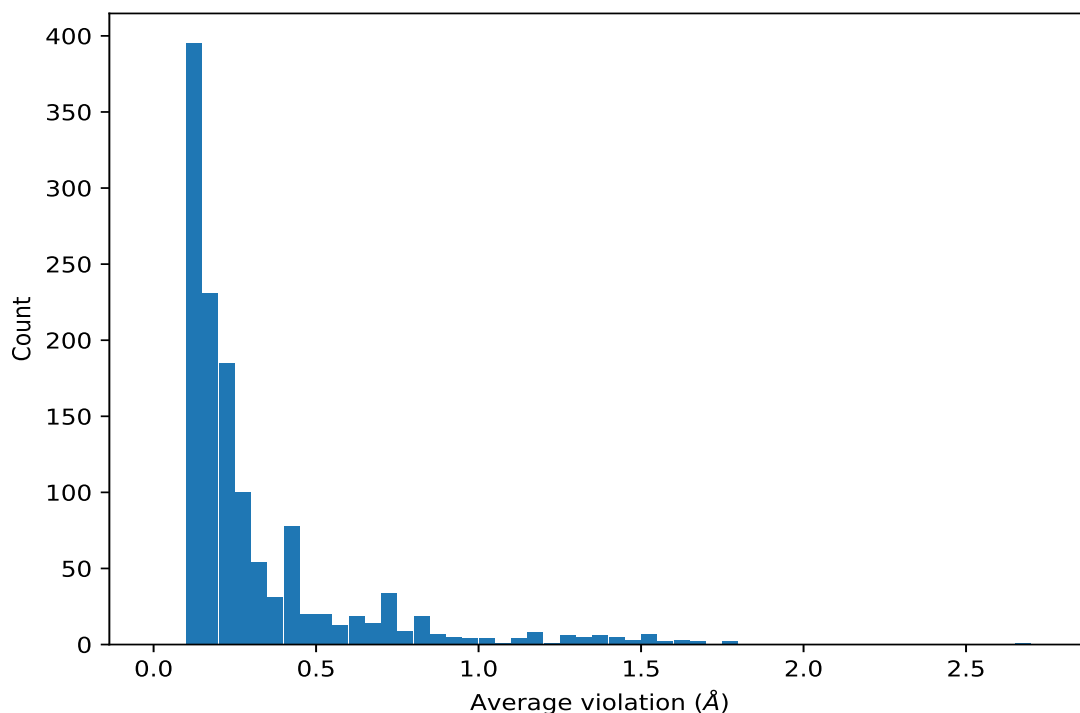
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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



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

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

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,643)	1:A:167:LYS:HE2	1:A:167:LYS:HB3	10	2.68	0.01	2.68
(3,650)	1:A:175:ALA:HA	1:A:180:LEU:HB3	10	1.76	0.04	1.76
(3,54)	1:A:167:LYS:H	1:A:166:GLU:HG2	10	1.75	0.05	1.75
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG2	10	1.66	0.03	1.67
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG3	10	1.66	0.03	1.67
(3,515)	1:B:209:LYS:HE2	1:A:209:LYS:HB2	10	1.62	0.05	1.62
(3,515)	1:B:209:LYS:HE3	1:A:209:LYS:HB2	10	1.62	0.05	1.62
(3,768)	1:A:173:GLU:HG2	1:A:174:ILE:HA	10	1.6	0.05	1.6
(3,511)	1:A:167:LYS:HE2	1:A:164:GLU:HA	10	1.58	0.05	1.58
(3,391)	1:A:184:SER:H	1:A:183:ARG:HD2	10	1.56	0.13	1.58
(3,111)	1:A:175:ALA:H	1:A:185:ILE:HG13	10	1.53	0.02	1.54
(3,252)	1:A:164:GLU:H	1:A:164:GLU:HG3	10	1.53	0.02	1.54
(3,648)	1:A:174:ILE:HA	1:A:164:GLU:HG2	10	1.52	0.03	1.52
(3,220)	1:A:158:GLU:H	1:A:157:ARG:HB2	10	1.5	0.03	1.52
(3,583)	1:A:213:VAL:HG21	1:A:211:ASP:HB2	10	1.5	0.07	1.52
(3,583)	1:A:213:VAL:HG22	1:A:211:ASP:HB2	10	1.5	0.07	1.52

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,583)	1:A:213:VAL:HG23	1:A:211:ASP:HB2	10	1.5	0.07	1.52
(3,76)	1:A:199:GLY:H	1:A:203:GLU:HG2	10	1.47	0.04	1.48
(3,265)	1:B:157:ARG:H	1:B:156:PRO:HB3	10	1.46	0.03	1.45
(3,91)	1:A:207:ILE:H	1:A:206:LEU:HB2	10	1.46	0.01	1.46
(3,693)	1:A:189:LEU:HD11	1:A:201:ARG:HB3	10	1.44	0.03	1.44
(3,693)	1:A:189:LEU:HD12	1:A:201:ARG:HB3	10	1.44	0.03	1.44
(3,693)	1:A:189:LEU:HD13	1:A:201:ARG:HB3	10	1.44	0.03	1.44
(1,248)	1:A:152:ASP:H	1:A:159:CYS:HB3	10	1.43	0.11	1.44
(3,46)	1:A:210:SER:H	1:A:209:LYS:HB2	10	1.42	0.02	1.43
(3,636)	1:A:166:GLU:HG3	1:A:162:LEU:HG	10	1.36	0.07	1.36
(3,445)	1:A:185:ILE:HG12	1:A:186:GLU:H	10	1.35	0.02	1.34
(3,466)	1:B:210:SER:HA	1:A:209:LYS:HD2	10	1.35	0.06	1.35
(3,658)	1:A:177:ALA:HB1	1:A:164:GLU:HG2	10	1.35	0.09	1.38
(3,658)	1:A:177:ALA:HB2	1:A:164:GLU:HG2	10	1.35	0.09	1.38
(3,658)	1:A:177:ALA:HB3	1:A:164:GLU:HG2	10	1.35	0.09	1.38
(3,435)	1:A:201:ARG:HB2	1:A:202:THR:H	10	1.34	0.05	1.36
(3,434)	1:A:211:ASP:HB2	1:A:213:VAL:H	10	1.34	0.12	1.34
(1,1064)	1:A:185:ILE:H	1:A:171:ASN:HB3	10	1.33	0.06	1.36
(3,3)	1:A:154:LEU:H	1:A:154:LEU:HB3	10	1.33	0.01	1.33
(3,304)	1:A:170:THR:H	1:A:173:GLU:HG3	10	1.31	0.05	1.29
(3,21)	1:A:174:ILE:H	1:A:173:GLU:HG2	10	1.28	0.11	1.32
(3,206)	1:A:186:GLU:H	1:A:186:GLU:HB2	10	1.27	0.1	1.3
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD21	10	1.26	0.07	1.25
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD22	10	1.26	0.07	1.25
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD23	10	1.26	0.07	1.25
(3,467)	1:A:182:LYS:HA	1:A:182:LYS:HD2	10	1.25	0.08	1.27
(3,224)	1:A:173:GLU:H	1:A:173:GLU:HB2	10	1.22	0.06	1.21
(3,557)	1:B:209:LYS:HD2	1:A:209:LYS:HG3	10	1.18	0.04	1.18
(3,557)	1:B:209:LYS:HD3	1:A:209:LYS:HG3	10	1.18	0.04	1.18
(3,125)	1:A:149:LYS:H	1:A:148:GLN:HB3	10	1.18	0.17	1.24
(3,42)	1:A:183:ARG:H	1:A:183:ARG:HB2	10	1.17	0.11	1.18
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB2	10	1.16	0.14	1.23
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB3	10	1.16	0.14	1.23
(3,783)	1:A:180:LEU:H	1:A:178:LEU:HB3	10	1.16	0.03	1.17
(3,783)	1:A:180:LEU:H	1:A:180:LEU:HB3	10	1.16	0.03	1.17
(3,143)	1:A:149:LYS:H	1:A:149:LYS:HB3	10	1.14	0.22	1.18
(3,369)	1:A:195:LYS:H	1:A:195:LYS:HB3	10	1.13	0.07	1.12
(3,28)	1:A:172:GLN:H	1:A:172:GLN:HG2	10	1.12	0.14	1.13
(3,744)	1:A:168:GLY:HA3	1:B:203:GLU:HA	10	1.11	0.08	1.07
(3,145)	1:A:185:ILE:H	1:A:185:ILE:HG12	10	1.05	0.01	1.05
(3,563)	1:A:157:ARG:HG2	1:A:157:ARG:HA	10	1.04	0.2	0.96
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD2	10	1.04	0.01	1.04

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD3	10	1.04	0.01	1.04
(3,426)	1:A:159:CYS:HB2	1:A:160:LEU:H	10	1.0	0.05	1.0
(3,611)	1:A:154:LEU:HD21	1:A:195:LYS:HB2	10	0.97	0.18	0.99
(3,611)	1:A:154:LEU:HD22	1:A:195:LYS:HB2	10	0.97	0.18	0.99
(3,611)	1:A:154:LEU:HD23	1:A:195:LYS:HB2	10	0.97	0.18	0.99
(3,451)	1:A:192:ILE:HA	1:A:195:LYS:HB3	10	0.96	0.23	0.94
(3,654)	1:A:176:ASP:HB2	1:A:173:GLU:HA	10	0.93	0.1	0.92
(1,1113)	1:A:182:LYS:H	1:A:172:GLN:HG3	10	0.93	0.14	0.91
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD11	10	0.93	0.05	0.92
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD12	10	0.93	0.05	0.92
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD13	10	0.93	0.05	0.92
(3,1078)	1:A:164:GLU:HG2	1:A:178:LEU:H	10	0.89	0.03	0.9
(3,1078)	1:A:164:GLU:HG2	1:B:178:LEU:H	10	0.89	0.03	0.9
(3,1078)	1:A:176:ASP:HB2	1:A:178:LEU:H	10	0.89	0.03	0.9
(3,1078)	1:A:176:ASP:HB2	1:B:178:LEU:H	10	0.89	0.03	0.9
(3,1078)	1:B:164:GLU:HG2	1:A:178:LEU:H	10	0.89	0.03	0.9
(3,1078)	1:B:164:GLU:HG2	1:B:178:LEU:H	10	0.89	0.03	0.9
(3,475)	1:A:203:GLU:HA	1:A:203:GLU:HG3	10	0.88	0.02	0.88
(1,1077)	1:A:165:VAL:H	1:A:167:LYS:HE2	10	0.84	0.05	0.84
(3,432)	1:A:163:GLN:HB2	1:A:163:GLN:H	10	0.84	0.01	0.84
(3,34)	1:A:164:GLU:H	1:A:163:GLN:HG2	10	0.83	0.13	0.84
(1,921)	1:A:157:ARG:H	1:A:160:LEU:HB3	10	0.83	0.07	0.82
(3,980)	1:A:185:ILE:HG12	1:A:181:SER:H	10	0.82	0.04	0.82
(3,980)	1:A:185:ILE:HG12	1:B:181:SER:H	10	0.82	0.04	0.82
(3,980)	1:B:185:ILE:HG12	1:A:181:SER:H	10	0.82	0.04	0.82
(3,980)	1:B:185:ILE:HG12	1:B:181:SER:H	10	0.82	0.04	0.82
(3,1477)	1:A:211:ASP:HB2	1:A:208:ALA:HA	10	0.82	0.16	0.82
(3,1477)	1:A:211:ASP:HB2	1:B:208:ALA:HA	10	0.82	0.16	0.82
(3,1477)	1:B:211:ASP:HB2	1:A:208:ALA:HA	10	0.82	0.16	0.82
(3,1477)	1:B:211:ASP:HB2	1:B:208:ALA:HA	10	0.82	0.16	0.82
(3,1057)	1:A:193:PHE:HB3	1:A:199:GLY:H	10	0.82	0.04	0.81
(3,1057)	1:A:193:PHE:HB3	1:B:199:GLY:H	10	0.82	0.04	0.81
(3,1057)	1:B:193:PHE:HB3	1:A:199:GLY:H	10	0.82	0.04	0.81
(3,1057)	1:B:193:PHE:HB3	1:B:199:GLY:H	10	0.82	0.04	0.81
(3,507)	1:A:157:ARG:HD2	1:A:157:ARG:HB3	10	0.81	0.09	0.8
(3,507)	1:A:157:ARG:HD3	1:A:157:ARG:HB3	10	0.81	0.09	0.8
(3,428)	1:A:171:ASN:HB2	1:A:171:ASN:H	10	0.8	0.01	0.8
(3,625)	1:A:163:GLN:HG3	1:A:160:LEU:HA	10	0.79	0.1	0.77
(3,593)	1:A:198:VAL:HG21	1:A:196:LEU:HB2	10	0.77	0.03	0.76
(3,593)	1:A:198:VAL:HG22	1:A:196:LEU:HB2	10	0.77	0.03	0.76
(3,593)	1:A:198:VAL:HG23	1:A:196:LEU:HB2	10	0.77	0.03	0.76
(3,1151)	1:A:163:GLN:HG3	1:A:160:LEU:H	10	0.76	0.14	0.75

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1151)	1:A:163:GLN:HG3	1:B:160:LEU:H	10	0.76	0.14	0.75
(3,1151)	1:B:163:GLN:HG3	1:A:160:LEU:H	10	0.76	0.14	0.75
(3,1151)	1:B:163:GLN:HG3	1:B:160:LEU:H	10	0.76	0.14	0.75
(3,662)	1:A:178:LEU:HD11	1:A:157:ARG:HG2	10	0.74	0.21	0.72
(3,662)	1:A:178:LEU:HD12	1:A:157:ARG:HG2	10	0.74	0.21	0.72
(3,662)	1:A:178:LEU:HD13	1:A:157:ARG:HG2	10	0.74	0.21	0.72
(3,430)	1:A:168:GLY:HA3	1:A:169:PHE:H	10	0.72	0.01	0.72
(3,1358)	1:A:149:LYS:HB2	1:A:150:GLU:H	10	0.72	0.06	0.72
(3,1358)	1:A:150:GLU:HB2	1:A:150:GLU:H	10	0.72	0.06	0.72
(3,1358)	1:A:153:VAL:HB	1:A:150:GLU:H	10	0.72	0.06	0.72
(3,1181)	1:A:186:GLU:HB2	1:A:185:ILE:H	10	0.72	0.07	0.74
(3,1181)	1:A:186:GLU:HB2	1:B:185:ILE:H	10	0.72	0.07	0.74
(3,1181)	1:B:186:GLU:HB2	1:A:185:ILE:H	10	0.72	0.07	0.74
(3,1181)	1:B:186:GLU:HB2	1:B:185:ILE:H	10	0.72	0.07	0.74
(1,1987)	1:A:149:LYS:HA	1:A:159:CYS:HB3	10	0.72	0.13	0.76
(1,1987)	1:A:149:LYS:HA	1:B:159:CYS:HB3	10	0.72	0.13	0.76
(1,1987)	1:A:150:GLU:HA	1:A:159:CYS:HB3	10	0.72	0.13	0.76
(1,1987)	1:A:150:GLU:HA	1:B:159:CYS:HB3	10	0.72	0.13	0.76
(1,1987)	1:A:151:GLN:HA	1:A:159:CYS:HB3	10	0.72	0.13	0.76
(1,1987)	1:A:151:GLN:HA	1:B:159:CYS:HB3	10	0.72	0.13	0.76
(1,1987)	1:B:151:GLN:HA	1:A:159:CYS:HB3	10	0.72	0.13	0.76
(1,1987)	1:B:151:GLN:HA	1:B:159:CYS:HB3	10	0.72	0.13	0.76
(3,1399)	1:A:154:LEU:HB3	1:A:159:CYS:HA	10	0.71	0.13	0.74
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB2	10	0.71	0.13	0.74
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB3	10	0.71	0.13	0.74
(3,1399)	1:A:154:LEU:HB3	1:B:159:CYS:HA	10	0.71	0.13	0.74
(3,1399)	1:A:183:ARG:HB2	1:A:159:CYS:HA	10	0.71	0.13	0.74
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB2	10	0.71	0.13	0.74
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB3	10	0.71	0.13	0.74
(3,1399)	1:A:183:ARG:HB2	1:B:159:CYS:HA	10	0.71	0.13	0.74
(3,1399)	1:B:154:LEU:HB3	1:A:159:CYS:HA	10	0.71	0.13	0.74
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB2	10	0.71	0.13	0.74
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB3	10	0.71	0.13	0.74
(3,1399)	1:B:154:LEU:HB3	1:B:159:CYS:HA	10	0.71	0.13	0.74
(3,56)	1:A:167:LYS:H	1:A:167:LYS:HB3	10	0.7	0.02	0.7
(3,64)	1:A:196:LEU:H	1:A:196:LEU:HB3	10	0.7	0.08	0.73
(3,449)	1:A:211:ASP:HB2	1:A:212:GLY:H	10	0.69	0.06	0.71
(1,1826)	1:A:167:LYS:HE2	1:A:169:PHE:H	10	0.67	0.03	0.67
(1,1826)	1:A:167:LYS:HE2	1:B:169:PHE:H	10	0.67	0.03	0.67
(1,1826)	1:A:171:ASN:HB2	1:A:169:PHE:H	10	0.67	0.03	0.67
(1,1826)	1:A:171:ASN:HB2	1:B:169:PHE:H	10	0.67	0.03	0.67
(1,1826)	1:B:167:LYS:HE2	1:A:169:PHE:H	10	0.67	0.03	0.67

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1826)	1:B:167:LYS:HE2	1:B:169:PHE:H	10	0.67	0.03	0.67
(1,1826)	1:B:171:ASN:HB2	1:A:169:PHE:H	10	0.67	0.03	0.67
(1,1826)	1:B:171:ASN:HB2	1:B:169:PHE:H	10	0.67	0.03	0.67
(3,433)	1:A:163:GLN:HG3	1:A:163:GLN:H	10	0.66	0.09	0.64
(3,767)	1:B:209:LYS:HG2	1:A:209:LYS:HB2	10	0.63	0.12	0.62
(3,767)	1:B:209:LYS:HG3	1:A:209:LYS:HB2	10	0.63	0.12	0.62
(3,539)	1:A:183:ARG:HB3	1:A:183:ARG:HA	10	0.62	0.06	0.62
(3,26)	1:A:193:PHE:H	1:A:193:PHE:HB2	10	0.57	0.1	0.6
(1,1837)	1:A:171:ASN:HB3	1:A:185:ILE:H	10	0.55	0.04	0.55
(1,1837)	1:A:171:ASN:HB3	1:B:185:ILE:H	10	0.55	0.04	0.55
(1,1837)	1:B:171:ASN:HB3	1:A:185:ILE:H	10	0.55	0.04	0.55
(1,1837)	1:B:171:ASN:HB3	1:B:185:ILE:H	10	0.55	0.04	0.55
(3,946)	1:A:193:PHE:HB2	1:A:194:ASN:H	10	0.55	0.05	0.56
(3,946)	1:A:193:PHE:HB2	1:B:194:ASN:H	10	0.55	0.05	0.56
(3,946)	1:B:193:PHE:HB2	1:A:194:ASN:H	10	0.55	0.05	0.56
(3,946)	1:B:193:PHE:HB2	1:B:194:ASN:H	10	0.55	0.05	0.56
(3,973)	1:A:173:GLU:HB2	1:A:170:THR:H	10	0.54	0.07	0.54
(3,973)	1:A:173:GLU:HB2	1:B:170:THR:H	10	0.54	0.07	0.54
(3,973)	1:B:173:GLU:HB2	1:A:170:THR:H	10	0.54	0.07	0.54
(3,973)	1:B:173:GLU:HB2	1:B:170:THR:H	10	0.54	0.07	0.54
(3,425)	1:A:203:GLU:HG2	1:A:203:GLU:H	10	0.53	0.04	0.52
(3,836)	1:A:149:LYS:HB2	1:A:150:GLU:H	10	0.53	0.06	0.54
(3,836)	1:A:149:LYS:HB2	1:A:166:GLU:H	10	0.53	0.06	0.54
(3,836)	1:A:149:LYS:HB2	1:B:166:GLU:H	10	0.53	0.06	0.54
(3,836)	1:A:166:GLU:HG2	1:A:150:GLU:H	10	0.53	0.06	0.54
(3,836)	1:A:166:GLU:HG2	1:A:166:GLU:H	10	0.53	0.06	0.54
(3,836)	1:A:166:GLU:HG2	1:B:166:GLU:H	10	0.53	0.06	0.54
(3,836)	1:B:166:GLU:HG2	1:A:150:GLU:H	10	0.53	0.06	0.54
(3,836)	1:B:166:GLU:HG2	1:A:166:GLU:H	10	0.53	0.06	0.54
(3,836)	1:B:166:GLU:HG2	1:B:166:GLU:H	10	0.53	0.06	0.54
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB1	10	0.52	0.04	0.52
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB2	10	0.52	0.04	0.52
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB3	10	0.52	0.04	0.52
(3,772)	1:A:182:LYS:H	1:A:182:LYS:HD2	10	0.52	0.04	0.52
(1,716)	1:A:184:SER:H	1:A:186:GLU:HB2	10	0.5	0.1	0.48
(3,1254)	1:A:186:GLU:HB2	1:A:184:SER:H	10	0.49	0.06	0.48
(3,1254)	1:A:186:GLU:HB2	1:B:184:SER:H	10	0.49	0.06	0.48
(3,1254)	1:B:186:GLU:HB2	1:A:184:SER:H	10	0.49	0.06	0.48
(3,1254)	1:B:186:GLU:HB2	1:B:184:SER:H	10	0.49	0.06	0.48
(3,448)	1:A:173:GLU:HB2	1:A:170:THR:H	10	0.47	0.11	0.45
(1,476)	1:A:176:ASP:H	1:A:173:GLU:HG2	10	0.46	0.08	0.47
(3,1107)	1:A:173:GLU:HB2	1:A:172:GLN:H	10	0.46	0.13	0.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1107)	1:A:173:GLU:HB2	1:B:172:GLN:H	10	0.46	0.13	0.42
(3,1107)	1:A:182:LYS:HB3	1:A:172:GLN:H	10	0.46	0.13	0.42
(3,1107)	1:A:182:LYS:HB3	1:B:172:GLN:H	10	0.46	0.13	0.42
(3,1107)	1:B:173:GLU:HB2	1:A:172:GLN:H	10	0.46	0.13	0.42
(3,1107)	1:B:173:GLU:HB2	1:B:172:GLN:H	10	0.46	0.13	0.42
(3,1107)	1:B:182:LYS:HB3	1:A:172:GLN:H	10	0.46	0.13	0.42
(3,1107)	1:B:182:LYS:HB3	1:B:172:GLN:H	10	0.46	0.13	0.42
(3,1282)	1:A:185:ILE:HD11	1:A:187:TYR:H	10	0.44	0.03	0.44
(3,1282)	1:A:185:ILE:HD11	1:A:192:ILE:H	10	0.44	0.03	0.44
(3,1282)	1:A:185:ILE:HD11	1:B:187:TYR:H	10	0.44	0.03	0.44
(3,1282)	1:A:185:ILE:HD11	1:B:192:ILE:H	10	0.44	0.03	0.44
(3,1282)	1:A:185:ILE:HD12	1:A:187:TYR:H	10	0.44	0.03	0.44
(3,1282)	1:A:185:ILE:HD12	1:A:192:ILE:H	10	0.44	0.03	0.44
(3,1282)	1:A:185:ILE:HD12	1:B:187:TYR:H	10	0.44	0.03	0.44
(3,1282)	1:A:185:ILE:HD12	1:B:192:ILE:H	10	0.44	0.03	0.44
(3,1282)	1:A:185:ILE:HD13	1:A:187:TYR:H	10	0.44	0.03	0.44
(3,1282)	1:A:185:ILE:HD13	1:A:192:ILE:H	10	0.44	0.03	0.44
(3,1282)	1:A:185:ILE:HD13	1:B:187:TYR:H	10	0.44	0.03	0.44
(3,1282)	1:A:185:ILE:HD13	1:B:192:ILE:H	10	0.44	0.03	0.44
(3,1282)	1:A:189:LEU:HD11	1:A:187:TYR:H	10	0.44	0.03	0.44
(3,1282)	1:A:189:LEU:HD11	1:A:192:ILE:H	10	0.44	0.03	0.44
(3,1282)	1:A:189:LEU:HD11	1:B:187:TYR:H	10	0.44	0.03	0.44
(3,1282)	1:A:189:LEU:HD11	1:B:192:ILE:H	10	0.44	0.03	0.44
(3,1282)	1:A:189:LEU:HD12	1:A:187:TYR:H	10	0.44	0.03	0.44
(3,1282)	1:A:189:LEU:HD12	1:A:192:ILE:H	10	0.44	0.03	0.44
(3,1282)	1:A:189:LEU:HD12	1:B:187:TYR:H	10	0.44	0.03	0.44
(3,1282)	1:A:189:LEU:HD12	1:B:192:ILE:H	10	0.44	0.03	0.44
(3,1282)	1:A:189:LEU:HD13	1:A:187:TYR:H	10	0.44	0.03	0.44
(3,1282)	1:A:189:LEU:HD13	1:A:192:ILE:H	10	0.44	0.03	0.44
(3,1282)	1:A:189:LEU:HD13	1:B:187:TYR:H	10	0.44	0.03	0.44
(3,1282)	1:A:189:LEU:HD13	1:B:192:ILE:H	10	0.44	0.03	0.44
(3,1282)	1:A:192:ILE:HG12	1:A:187:TYR:H	10	0.44	0.03	0.44
(3,1282)	1:A:192:ILE:HG12	1:A:192:ILE:H	10	0.44	0.03	0.44
(3,1282)	1:A:192:ILE:HG12	1:B:187:TYR:H	10	0.44	0.03	0.44
(3,1282)	1:A:192:ILE:HG12	1:B:192:ILE:H	10	0.44	0.03	0.44
(3,1282)	1:B:185:ILE:HD11	1:A:187:TYR:H	10	0.44	0.03	0.44
(3,1282)	1:B:185:ILE:HD11	1:A:192:ILE:H	10	0.44	0.03	0.44
(3,1282)	1:B:185:ILE:HD11	1:B:187:TYR:H	10	0.44	0.03	0.44
(3,1282)	1:B:185:ILE:HD11	1:B:192:ILE:H	10	0.44	0.03	0.44
(3,1282)	1:B:185:ILE:HG13	1:A:187:TYR:H	10	0.44	0.03	0.44
(3,1282)	1:B:185:ILE:HG13	1:A:192:ILE:H	10	0.44	0.03	0.44
(3,1282)	1:B:185:ILE:HG13	1:B:187:TYR:H	10	0.44	0.03	0.44

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1282)	1:B:185:ILE:HG13	1:B:192:ILE:H	10	0.44	0.03	0.44
(3,1282)	1:B:192:ILE:HG12	1:A:187:TYR:H	10	0.44	0.03	0.44
(3,1282)	1:B:192:ILE:HG12	1:A:192:ILE:H	10	0.44	0.03	0.44
(3,1282)	1:B:192:ILE:HG12	1:B:187:TYR:H	10	0.44	0.03	0.44
(3,1282)	1:B:192:ILE:HG12	1:B:192:ILE:H	10	0.44	0.03	0.44
(3,921)	1:A:183:ARG:HD2	1:A:183:ARG:H	10	0.43	0.2	0.44
(3,921)	1:A:183:ARG:HD2	1:A:188:SER:H	10	0.43	0.2	0.44
(3,921)	1:A:183:ARG:HD2	1:B:183:ARG:H	10	0.43	0.2	0.44
(3,921)	1:A:187:TYR:HB2	1:A:183:ARG:H	10	0.43	0.2	0.44
(3,921)	1:A:187:TYR:HB2	1:A:188:SER:H	10	0.43	0.2	0.44
(3,921)	1:A:187:TYR:HB2	1:B:183:ARG:H	10	0.43	0.2	0.44
(3,921)	1:B:183:ARG:HD2	1:A:183:ARG:H	10	0.43	0.2	0.44
(3,921)	1:B:183:ARG:HD2	1:A:188:SER:H	10	0.43	0.2	0.44
(3,921)	1:B:183:ARG:HD2	1:B:183:ARG:H	10	0.43	0.2	0.44
(3,1426)	1:A:157:ARG:HD2	1:A:157:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:A:157:ARG:HD2	1:A:183:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:A:157:ARG:HD2	1:B:157:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:A:157:ARG:HD2	1:B:183:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:A:159:CYS:HB2	1:A:157:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:A:159:CYS:HB2	1:A:183:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:A:159:CYS:HB2	1:B:157:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:A:159:CYS:HB2	1:B:183:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:A:183:ARG:HD2	1:A:157:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:A:183:ARG:HD2	1:A:183:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:A:183:ARG:HD2	1:B:157:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:A:183:ARG:HD2	1:B:183:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:B:156:PRO:HD2	1:A:157:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:B:156:PRO:HD2	1:A:183:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:B:156:PRO:HD2	1:B:157:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:B:156:PRO:HD2	1:B:183:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:B:157:ARG:HD2	1:A:157:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:B:157:ARG:HD2	1:A:183:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:B:157:ARG:HD2	1:B:157:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:B:157:ARG:HD2	1:B:183:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:B:183:ARG:HD2	1:A:157:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:B:183:ARG:HD2	1:A:183:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:B:183:ARG:HD2	1:B:157:ARG:HA	10	0.42	0.11	0.48
(3,1426)	1:B:183:ARG:HD2	1:B:183:ARG:HA	10	0.42	0.11	0.48
(1,252)	1:A:152:ASP:H	1:A:154:LEU:HB3	10	0.42	0.05	0.42
(3,438)	1:A:167:LYS:HB2	1:A:168:GLY:H	10	0.39	0.05	0.4
(1,954)	1:A:178:LEU:H	1:A:180:LEU:HB3	10	0.38	0.04	0.38
(3,1230)	1:A:152:ASP:HB2	1:A:149:LYS:H	10	0.37	0.1	0.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1230)	1:A:152:ASP:HB2	1:A:166:GLU:H	10	0.37	0.1	0.42
(3,1230)	1:A:152:ASP:HB2	1:B:149:LYS:H	10	0.37	0.1	0.42
(3,1230)	1:A:152:ASP:HB2	1:B:166:GLU:H	10	0.37	0.1	0.42
(3,1230)	1:A:163:GLN:HG2	1:A:149:LYS:H	10	0.37	0.1	0.42
(3,1230)	1:A:163:GLN:HG2	1:A:166:GLU:H	10	0.37	0.1	0.42
(3,1230)	1:A:163:GLN:HG2	1:B:149:LYS:H	10	0.37	0.1	0.42
(3,1230)	1:A:163:GLN:HG2	1:B:166:GLU:H	10	0.37	0.1	0.42
(3,1230)	1:A:164:GLU:HG2	1:A:149:LYS:H	10	0.37	0.1	0.42
(3,1230)	1:A:164:GLU:HG2	1:A:166:GLU:H	10	0.37	0.1	0.42
(3,1230)	1:A:164:GLU:HG2	1:B:149:LYS:H	10	0.37	0.1	0.42
(3,1230)	1:A:164:GLU:HG2	1:B:166:GLU:H	10	0.37	0.1	0.42
(3,1230)	1:B:152:ASP:HB2	1:A:149:LYS:H	10	0.37	0.1	0.42
(3,1230)	1:B:152:ASP:HB2	1:A:166:GLU:H	10	0.37	0.1	0.42
(3,1230)	1:B:152:ASP:HB2	1:B:149:LYS:H	10	0.37	0.1	0.42
(3,1230)	1:B:152:ASP:HB2	1:B:166:GLU:H	10	0.37	0.1	0.42
(3,1230)	1:B:163:GLN:HG2	1:A:149:LYS:H	10	0.37	0.1	0.42
(3,1230)	1:B:163:GLN:HG2	1:A:166:GLU:H	10	0.37	0.1	0.42
(3,1230)	1:B:163:GLN:HG2	1:B:149:LYS:H	10	0.37	0.1	0.42
(3,1230)	1:B:163:GLN:HG2	1:B:166:GLU:H	10	0.37	0.1	0.42
(3,1230)	1:B:164:GLU:HG2	1:A:149:LYS:H	10	0.37	0.1	0.42
(3,1230)	1:B:164:GLU:HG2	1:A:166:GLU:H	10	0.37	0.1	0.42
(3,1230)	1:B:164:GLU:HG2	1:B:149:LYS:H	10	0.37	0.1	0.42
(3,1230)	1:B:164:GLU:HG2	1:B:166:GLU:H	10	0.37	0.1	0.42
(1,726)	1:A:193:PHE:H	1:A:195:LYS:HB3	10	0.36	0.23	0.3
(1,1846)	1:A:161:ILE:HA	1:A:177:ALA:H	10	0.34	0.02	0.34
(1,1846)	1:A:161:ILE:HA	1:B:177:ALA:H	10	0.34	0.02	0.34
(1,1846)	1:B:161:ILE:HA	1:A:177:ALA:H	10	0.34	0.02	0.34
(1,1846)	1:B:161:ILE:HA	1:B:177:ALA:H	10	0.34	0.02	0.34
(1,1846)	1:B:165:VAL:HA	1:A:177:ALA:H	10	0.34	0.02	0.34
(1,1846)	1:B:165:VAL:HA	1:B:177:ALA:H	10	0.34	0.02	0.34
(3,1259)	1:A:168:GLY:HA3	1:A:207:ILE:H	10	0.33	0.07	0.34
(3,1259)	1:A:168:GLY:HA3	1:B:207:ILE:H	10	0.33	0.07	0.34
(3,1259)	1:B:168:GLY:HA3	1:A:207:ILE:H	10	0.33	0.07	0.34
(3,1259)	1:B:168:GLY:HA3	1:B:207:ILE:H	10	0.33	0.07	0.34
(3,78)	1:B:170:THR:H	1:A:202:THR:HG21	10	0.33	0.02	0.32
(3,78)	1:B:170:THR:H	1:A:202:THR:HG22	10	0.33	0.02	0.32
(3,78)	1:B:170:THR:H	1:A:202:THR:HG23	10	0.33	0.02	0.32
(3,1103)	1:A:195:LYS:HE2	1:A:193:PHE:H	10	0.32	0.09	0.33
(3,1103)	1:A:195:LYS:HE2	1:B:193:PHE:H	10	0.32	0.09	0.33
(3,1103)	1:B:195:LYS:HE2	1:A:193:PHE:H	10	0.32	0.09	0.33
(3,1103)	1:B:195:LYS:HE2	1:B:193:PHE:H	10	0.32	0.09	0.33
(3,1513)	1:A:165:VAL:HG11	1:A:171:ASN:HB2	10	0.32	0.05	0.33

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1513)	1:A:165:VAL:HG11	1:B:171:ASN:HB2	10	0.32	0.05	0.33
(3,1513)	1:A:165:VAL:HG12	1:A:171:ASN:HB2	10	0.32	0.05	0.33
(3,1513)	1:A:165:VAL:HG12	1:B:171:ASN:HB2	10	0.32	0.05	0.33
(3,1513)	1:A:165:VAL:HG13	1:A:171:ASN:HB2	10	0.32	0.05	0.33
(3,1513)	1:A:165:VAL:HG13	1:B:171:ASN:HB2	10	0.32	0.05	0.33
(3,1513)	1:A:174:ILE:HD11	1:A:171:ASN:HB2	10	0.32	0.05	0.33
(3,1513)	1:A:174:ILE:HD11	1:B:171:ASN:HB2	10	0.32	0.05	0.33
(3,1513)	1:A:174:ILE:HD12	1:A:171:ASN:HB2	10	0.32	0.05	0.33
(3,1513)	1:A:174:ILE:HD12	1:B:171:ASN:HB2	10	0.32	0.05	0.33
(3,1513)	1:A:174:ILE:HD13	1:A:171:ASN:HB2	10	0.32	0.05	0.33
(3,1513)	1:A:174:ILE:HD13	1:B:171:ASN:HB2	10	0.32	0.05	0.33
(3,1513)	1:A:185:ILE:HD11	1:A:171:ASN:HB2	10	0.32	0.05	0.33
(3,1513)	1:A:185:ILE:HD11	1:B:171:ASN:HB2	10	0.32	0.05	0.33
(3,1513)	1:A:185:ILE:HD12	1:A:171:ASN:HB2	10	0.32	0.05	0.33
(3,1513)	1:A:185:ILE:HD12	1:B:171:ASN:HB2	10	0.32	0.05	0.33
(3,1513)	1:A:185:ILE:HD13	1:A:171:ASN:HB2	10	0.32	0.05	0.33
(3,1513)	1:A:185:ILE:HD13	1:B:171:ASN:HB2	10	0.32	0.05	0.33
(3,1513)	1:B:185:ILE:HD11	1:A:171:ASN:HB2	10	0.32	0.05	0.33
(3,1513)	1:B:185:ILE:HD11	1:B:171:ASN:HB2	10	0.32	0.05	0.33
(3,865)	1:A:160:LEU:HB3	1:A:160:LEU:H	10	0.31	0.0	0.31
(3,865)	1:A:160:LEU:HB3	1:B:160:LEU:H	10	0.31	0.0	0.31
(3,865)	1:B:160:LEU:HB3	1:A:160:LEU:H	10	0.31	0.0	0.31
(3,865)	1:B:160:LEU:HB3	1:B:160:LEU:H	10	0.31	0.0	0.31
(3,793)	1:A:170:THR:H	1:A:170:THR:HG21	10	0.3	0.03	0.32
(3,793)	1:A:170:THR:H	1:A:170:THR:HG22	10	0.3	0.03	0.32
(3,793)	1:A:170:THR:H	1:A:170:THR:HG23	10	0.3	0.03	0.32
(3,793)	1:A:170:THR:H	1:B:202:THR:HG21	10	0.3	0.03	0.32
(3,793)	1:A:170:THR:H	1:B:202:THR:HG22	10	0.3	0.03	0.32
(3,793)	1:A:170:THR:H	1:B:202:THR:HG23	10	0.3	0.03	0.32
(3,1159)	1:A:164:GLU:HG2	1:A:174:ILE:H	10	0.3	0.04	0.3
(3,1159)	1:A:164:GLU:HG2	1:B:174:ILE:H	10	0.3	0.04	0.3
(3,1159)	1:A:169:PHE:HB2	1:A:174:ILE:H	10	0.3	0.04	0.3
(3,1159)	1:A:169:PHE:HB2	1:B:174:ILE:H	10	0.3	0.04	0.3
(3,1159)	1:A:176:ASP:HB2	1:A:174:ILE:H	10	0.3	0.04	0.3
(3,1159)	1:A:176:ASP:HB2	1:B:174:ILE:H	10	0.3	0.04	0.3
(3,1159)	1:B:169:PHE:HB2	1:A:174:ILE:H	10	0.3	0.04	0.3
(3,1159)	1:B:169:PHE:HB2	1:B:174:ILE:H	10	0.3	0.04	0.3
(3,1441)	1:A:172:GLN:HG3	1:A:172:GLN:HA	10	0.29	0.07	0.29
(3,1441)	1:A:172:GLN:HG3	1:B:172:GLN:HA	10	0.29	0.07	0.29
(3,1441)	1:B:172:GLN:HG3	1:A:172:GLN:HA	10	0.29	0.07	0.29
(3,1441)	1:B:172:GLN:HG3	1:B:172:GLN:HA	10	0.29	0.07	0.29
(1,172)	1:A:177:ALA:H	1:A:173:GLU:HG2	10	0.29	0.07	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD11	10	0.27	0.02	0.27
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD12	10	0.27	0.02	0.27
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD13	10	0.27	0.02	0.27
(3,1585)	1:A:209:LYS:HA	1:A:209:LYS:HG2	10	0.27	0.02	0.27
(3,1585)	1:A:209:LYS:HA	1:B:209:LYS:HG2	10	0.27	0.02	0.27
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD11	10	0.27	0.02	0.27
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD12	10	0.27	0.02	0.27
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD13	10	0.27	0.02	0.27
(3,1585)	1:B:205:VAL:HA	1:A:209:LYS:HG2	10	0.27	0.02	0.27
(3,1585)	1:B:205:VAL:HA	1:B:209:LYS:HG2	10	0.27	0.02	0.27
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD11	10	0.27	0.02	0.27
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD12	10	0.27	0.02	0.27
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD13	10	0.27	0.02	0.27
(3,1585)	1:B:209:LYS:HA	1:A:209:LYS:HG2	10	0.27	0.02	0.27
(3,1585)	1:B:209:LYS:HA	1:B:209:LYS:HG2	10	0.27	0.02	0.27
(3,883)	1:A:173:GLU:HG3	1:A:169:PHE:H	10	0.27	0.06	0.26
(3,883)	1:A:173:GLU:HG3	1:B:169:PHE:H	10	0.27	0.06	0.26
(3,883)	1:A:203:GLU:HG2	1:A:169:PHE:H	10	0.27	0.06	0.26
(3,883)	1:A:203:GLU:HG2	1:B:169:PHE:H	10	0.27	0.06	0.26
(3,883)	1:B:203:GLU:HG2	1:A:169:PHE:H	10	0.27	0.06	0.26
(3,883)	1:B:203:GLU:HG2	1:B:169:PHE:H	10	0.27	0.06	0.26
(1,836)	1:A:171:ASN:H	1:A:172:GLN:HB3	10	0.26	0.06	0.27
(3,513)	1:A:209:LYS:HE2	1:B:209:LYS:HB3	10	0.26	0.06	0.24
(3,513)	1:A:209:LYS:HE3	1:B:209:LYS:HB3	10	0.26	0.06	0.24
(3,1301)	1:A:158:GLU:HG2	1:A:158:GLU:H	10	0.25	0.05	0.26
(3,1301)	1:A:158:GLU:HG2	1:A:173:GLU:H	10	0.25	0.05	0.26
(3,1301)	1:A:158:GLU:HG2	1:B:173:GLU:H	10	0.25	0.05	0.26
(3,1301)	1:A:173:GLU:HG2	1:A:158:GLU:H	10	0.25	0.05	0.26
(3,1301)	1:A:173:GLU:HG2	1:A:173:GLU:H	10	0.25	0.05	0.26
(3,1301)	1:A:173:GLU:HG2	1:B:173:GLU:H	10	0.25	0.05	0.26
(3,1301)	1:B:173:GLU:HG2	1:A:158:GLU:H	10	0.25	0.05	0.26
(3,1301)	1:B:173:GLU:HG2	1:A:173:GLU:H	10	0.25	0.05	0.26
(3,1301)	1:B:173:GLU:HG2	1:B:173:GLU:H	10	0.25	0.05	0.26
(1,1855)	1:A:168:GLY:HA3	1:A:205:VAL:H	10	0.24	0.03	0.24
(1,1855)	1:A:168:GLY:HA3	1:B:205:VAL:H	10	0.24	0.03	0.24
(1,1855)	1:A:189:LEU:HA	1:A:205:VAL:H	10	0.24	0.03	0.24
(1,1855)	1:A:189:LEU:HA	1:B:205:VAL:H	10	0.24	0.03	0.24
(1,1855)	1:B:168:GLY:HA3	1:A:205:VAL:H	10	0.24	0.03	0.24
(1,1855)	1:B:168:GLY:HA3	1:B:205:VAL:H	10	0.24	0.03	0.24
(1,1855)	1:B:189:LEU:HA	1:A:205:VAL:H	10	0.24	0.03	0.24
(1,1855)	1:B:189:LEU:HA	1:B:205:VAL:H	10	0.24	0.03	0.24
(1,1855)	1:B:193:PHE:HB2	1:A:205:VAL:H	10	0.24	0.03	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1855)	1:B:193:PHE:HB2	1:B:205:VAL:H	10	0.24	0.03	0.24
(1,1832)	1:A:151:GLN:HA	1:A:160:LEU:H	10	0.23	0.03	0.24
(1,1832)	1:A:151:GLN:HA	1:B:160:LEU:H	10	0.23	0.03	0.24
(1,1832)	1:A:164:GLU:HA	1:A:160:LEU:H	10	0.23	0.03	0.24
(1,1832)	1:A:164:GLU:HA	1:B:160:LEU:H	10	0.23	0.03	0.24
(1,1832)	1:A:171:ASN:HA	1:A:160:LEU:H	10	0.23	0.03	0.24
(1,1832)	1:A:171:ASN:HA	1:B:160:LEU:H	10	0.23	0.03	0.24
(1,1832)	1:A:178:LEU:HA	1:A:160:LEU:H	10	0.23	0.03	0.24
(1,1832)	1:A:178:LEU:HA	1:B:160:LEU:H	10	0.23	0.03	0.24
(1,1832)	1:A:188:SER:HA	1:A:160:LEU:H	10	0.23	0.03	0.24
(1,1832)	1:A:188:SER:HA	1:B:160:LEU:H	10	0.23	0.03	0.24
(1,1832)	1:A:205:VAL:HA	1:A:160:LEU:H	10	0.23	0.03	0.24
(1,1832)	1:A:205:VAL:HA	1:B:160:LEU:H	10	0.23	0.03	0.24
(1,1832)	1:B:151:GLN:HA	1:A:160:LEU:H	10	0.23	0.03	0.24
(1,1832)	1:B:151:GLN:HA	1:B:160:LEU:H	10	0.23	0.03	0.24
(1,1832)	1:B:164:GLU:HA	1:A:160:LEU:H	10	0.23	0.03	0.24
(1,1832)	1:B:164:GLU:HA	1:B:160:LEU:H	10	0.23	0.03	0.24
(1,1832)	1:B:171:ASN:HA	1:A:160:LEU:H	10	0.23	0.03	0.24
(1,1832)	1:B:171:ASN:HA	1:B:160:LEU:H	10	0.23	0.03	0.24
(1,1832)	1:B:178:LEU:HA	1:A:160:LEU:H	10	0.23	0.03	0.24
(1,1832)	1:B:178:LEU:HA	1:B:160:LEU:H	10	0.23	0.03	0.24
(1,1832)	1:B:188:SER:HA	1:A:160:LEU:H	10	0.23	0.03	0.24
(1,1832)	1:B:188:SER:HA	1:B:160:LEU:H	10	0.23	0.03	0.24
(1,1800)	1:A:177:ALA:H	1:A:168:GLY:H	10	0.23	0.03	0.24
(1,1800)	1:A:177:ALA:H	1:B:168:GLY:H	10	0.23	0.03	0.24
(1,1800)	1:A:202:THR:H	1:A:168:GLY:H	10	0.23	0.03	0.24
(1,1800)	1:A:202:THR:H	1:B:168:GLY:H	10	0.23	0.03	0.24
(1,1800)	1:B:177:ALA:H	1:A:168:GLY:H	10	0.23	0.03	0.24
(1,1800)	1:B:177:ALA:H	1:B:168:GLY:H	10	0.23	0.03	0.24
(1,1800)	1:B:202:THR:H	1:A:168:GLY:H	10	0.23	0.03	0.24
(1,1800)	1:B:202:THR:H	1:B:168:GLY:H	10	0.23	0.03	0.24
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD2	10	0.23	0.02	0.22
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD3	10	0.23	0.02	0.22
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD2	10	0.23	0.02	0.22
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD3	10	0.23	0.02	0.22
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD2	10	0.23	0.02	0.22
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD3	10	0.23	0.02	0.22
(3,998)	1:A:168:GLY:HA3	1:A:168:GLY:H	10	0.22	0.0	0.22
(3,998)	1:A:168:GLY:HA3	1:B:168:GLY:H	10	0.22	0.0	0.22
(3,998)	1:B:168:GLY:HA3	1:A:168:GLY:H	10	0.22	0.0	0.22
(3,998)	1:B:168:GLY:HA3	1:B:168:GLY:H	10	0.22	0.0	0.22
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG21	10	0.22	0.02	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG22	10	0.22	0.02	0.2
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG23	10	0.22	0.02	0.2
(3,573)	1:A:162:LEU:HG	1:A:166:GLU:HB3	10	0.21	0.01	0.22
(3,574)	1:B:162:LEU:HG	1:B:166:GLU:HB3	10	0.21	0.02	0.22
(3,1401)	1:A:154:LEU:HG	1:A:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:A:154:LEU:HG	1:B:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HB2	1:A:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HB2	1:B:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD11	1:A:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD11	1:B:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD12	1:A:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD12	1:B:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD13	1:A:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD13	1:B:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD21	1:A:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD21	1:B:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD22	1:A:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB2	10	0.21	0.03	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD22	1:B:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD23	1:A:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD23	1:B:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:A:180:LEU:HB2	1:A:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:A:180:LEU:HB2	1:B:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:A:182:LYS:HG2	1:A:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:A:182:LYS:HG2	1:B:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:A:183:ARG:HG2	1:A:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:A:183:ARG:HG2	1:B:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:B:154:LEU:HG	1:A:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:B:154:LEU:HG	1:B:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:B:162:LEU:HB2	1:A:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:B:162:LEU:HB2	1:B:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:B:180:LEU:HB2	1:A:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB2	10	0.21	0.03	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:B:180:LEU:HB2	1:B:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:B:182:LYS:HG2	1:A:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:B:182:LYS:HG2	1:B:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:B:183:ARG:HG2	1:A:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB3	10	0.21	0.03	0.21
(3,1401)	1:B:183:ARG:HG2	1:B:159:CYS:HA	10	0.21	0.03	0.21
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB2	10	0.21	0.03	0.21
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB3	10	0.21	0.03	0.21
(1,713)	1:B:179:HIS:H	1:B:181:SER:HA	10	0.21	0.01	0.2
(3,47)	1:B:210:SER:H	1:B:209:LYS:HB3	10	0.21	0.02	0.2
(3,829)	1:A:148:GLN:HB3	1:A:149:LYS:H	10	0.21	0.08	0.2
(3,829)	1:A:148:GLN:HB3	1:B:166:GLU:H	10	0.21	0.08	0.2
(3,829)	1:B:166:GLU:HG3	1:A:149:LYS:H	10	0.21	0.08	0.2
(3,829)	1:B:166:GLU:HG3	1:B:166:GLU:H	10	0.21	0.08	0.2
(1,923)	1:A:163:GLN:H	1:A:164:GLU:HG3	10	0.2	0.03	0.2
(3,465)	1:A:210:SER:HA	1:B:209:LYS:HD3	10	0.2	0.04	0.2
(1,712)	1:A:179:HIS:H	1:A:181:SER:HA	10	0.2	0.02	0.2
(2,44)	1:B:170:THR:O	1:B:174:ILE:H	10	0.2	0.01	0.2
(1,152)	1:B:175:ALA:H	1:B:186:GLU:H	10	0.19	0.02	0.19
(3,4)	1:B:154:LEU:H	1:B:154:LEU:HB2	10	0.19	0.02	0.19
(3,1271)	1:A:162:LEU:HA	1:A:166:GLU:H	10	0.19	0.02	0.19
(3,1271)	1:A:162:LEU:HA	1:B:166:GLU:H	10	0.19	0.02	0.19
(3,1271)	1:B:162:LEU:HA	1:A:166:GLU:H	10	0.19	0.02	0.19
(3,1271)	1:B:162:LEU:HA	1:B:166:GLU:H	10	0.19	0.02	0.19
(3,1442)	1:A:172:GLN:HB2	1:A:172:GLN:HA	10	0.19	0.0	0.19
(3,1442)	1:A:172:GLN:HB2	1:B:172:GLN:HA	10	0.19	0.0	0.19
(3,1442)	1:B:172:GLN:HB2	1:A:172:GLN:HA	10	0.19	0.0	0.19
(3,1442)	1:B:172:GLN:HB2	1:B:172:GLN:HA	10	0.19	0.0	0.19
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG21	10	0.19	0.02	0.19
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG22	10	0.19	0.02	0.19
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG23	10	0.19	0.02	0.19
(3,1437)	1:A:167:LYS:HB3	1:A:164:GLU:HA	10	0.19	0.02	0.19
(3,1437)	1:A:167:LYS:HB3	1:A:193:PHE:HA	10	0.19	0.02	0.19
(3,1437)	1:A:167:LYS:HB3	1:A:209:LYS:HA	10	0.19	0.02	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1437)	1:A:167:LYS:HB3	1:B:164:GLU:HA	10	0.19	0.02	0.19
(3,1437)	1:A:192:ILE:HG21	1:A:164:GLU:HA	10	0.19	0.02	0.19
(3,1437)	1:A:192:ILE:HG21	1:A:193:PHE:HA	10	0.19	0.02	0.19
(3,1437)	1:A:192:ILE:HG21	1:A:209:LYS:HA	10	0.19	0.02	0.19
(3,1437)	1:A:192:ILE:HG21	1:B:164:GLU:HA	10	0.19	0.02	0.19
(3,1437)	1:A:192:ILE:HG22	1:A:164:GLU:HA	10	0.19	0.02	0.19
(3,1437)	1:A:192:ILE:HG22	1:A:193:PHE:HA	10	0.19	0.02	0.19
(3,1437)	1:A:192:ILE:HG22	1:A:209:LYS:HA	10	0.19	0.02	0.19
(3,1437)	1:A:192:ILE:HG22	1:B:164:GLU:HA	10	0.19	0.02	0.19
(3,1437)	1:A:192:ILE:HG23	1:A:164:GLU:HA	10	0.19	0.02	0.19
(3,1437)	1:A:192:ILE:HG23	1:A:193:PHE:HA	10	0.19	0.02	0.19
(3,1437)	1:A:192:ILE:HG23	1:A:209:LYS:HA	10	0.19	0.02	0.19
(3,1437)	1:A:192:ILE:HG23	1:B:164:GLU:HA	10	0.19	0.02	0.19
(3,1437)	1:A:208:ALA:HB1	1:A:164:GLU:HA	10	0.19	0.02	0.19
(3,1437)	1:A:208:ALA:HB1	1:A:193:PHE:HA	10	0.19	0.02	0.19
(3,1437)	1:A:208:ALA:HB1	1:A:209:LYS:HA	10	0.19	0.02	0.19
(3,1437)	1:A:208:ALA:HB1	1:B:164:GLU:HA	10	0.19	0.02	0.19
(3,1437)	1:A:208:ALA:HB2	1:A:164:GLU:HA	10	0.19	0.02	0.19
(3,1437)	1:A:208:ALA:HB2	1:A:193:PHE:HA	10	0.19	0.02	0.19
(3,1437)	1:A:208:ALA:HB2	1:A:209:LYS:HA	10	0.19	0.02	0.19
(3,1437)	1:A:208:ALA:HB2	1:B:164:GLU:HA	10	0.19	0.02	0.19
(3,1437)	1:A:208:ALA:HB3	1:A:164:GLU:HA	10	0.19	0.02	0.19
(3,1437)	1:A:208:ALA:HB3	1:A:193:PHE:HA	10	0.19	0.02	0.19
(3,1437)	1:A:208:ALA:HB3	1:A:209:LYS:HA	10	0.19	0.02	0.19
(3,1437)	1:A:208:ALA:HB3	1:B:164:GLU:HA	10	0.19	0.02	0.19
(3,1437)	1:B:167:LYS:HB3	1:A:164:GLU:HA	10	0.19	0.02	0.19
(3,1437)	1:B:167:LYS:HB3	1:A:193:PHE:HA	10	0.19	0.02	0.19
(3,1437)	1:B:167:LYS:HB3	1:A:209:LYS:HA	10	0.19	0.02	0.19
(3,1437)	1:B:167:LYS:HB3	1:B:164:GLU:HA	10	0.19	0.02	0.19
(3,875)	1:A:171:ASN:HA	1:A:171:ASN:H	10	0.18	0.01	0.18
(3,875)	1:A:171:ASN:HA	1:B:171:ASN:H	10	0.18	0.01	0.18
(3,875)	1:B:171:ASN:HA	1:A:171:ASN:H	10	0.18	0.01	0.18
(3,875)	1:B:171:ASN:HA	1:B:171:ASN:H	10	0.18	0.01	0.18
(1,151)	1:A:175:ALA:H	1:A:186:GLU:H	10	0.18	0.02	0.18
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG11	10	0.17	0.03	0.17
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG12	10	0.17	0.03	0.17
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG13	10	0.17	0.03	0.17
(2,83)	1:B:201:ARG:O	1:B:205:VAL:H	10	0.17	0.04	0.18
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG11	10	0.17	0.02	0.18
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG12	10	0.17	0.02	0.18
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG13	10	0.17	0.02	0.18
(3,914)	1:A:162:LEU:HG	1:A:163:GLN:H	10	0.17	0.02	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,914)	1:A:162:LEU:HG	1:A:188:SER:H	10	0.17	0.02	0.18
(3,914)	1:A:162:LEU:HG	1:B:163:GLN:H	10	0.17	0.02	0.18
(3,914)	1:A:162:LEU:HG	1:B:188:SER:H	10	0.17	0.02	0.18
(3,914)	1:A:185:ILE:HB	1:A:163:GLN:H	10	0.17	0.02	0.18
(3,914)	1:A:185:ILE:HB	1:A:188:SER:H	10	0.17	0.02	0.18
(3,914)	1:A:185:ILE:HB	1:B:163:GLN:H	10	0.17	0.02	0.18
(3,914)	1:A:185:ILE:HB	1:B:188:SER:H	10	0.17	0.02	0.18
(3,914)	1:B:162:LEU:HG	1:A:163:GLN:H	10	0.17	0.02	0.18
(3,914)	1:B:162:LEU:HG	1:A:188:SER:H	10	0.17	0.02	0.18
(3,914)	1:B:162:LEU:HG	1:B:163:GLN:H	10	0.17	0.02	0.18
(3,914)	1:B:162:LEU:HG	1:B:188:SER:H	10	0.17	0.02	0.18
(3,914)	1:B:185:ILE:HB	1:A:163:GLN:H	10	0.17	0.02	0.18
(3,914)	1:B:185:ILE:HB	1:A:188:SER:H	10	0.17	0.02	0.18
(3,914)	1:B:185:ILE:HB	1:B:163:GLN:H	10	0.17	0.02	0.18
(3,914)	1:B:185:ILE:HB	1:B:188:SER:H	10	0.17	0.02	0.18
(3,1131)	1:A:203:GLU:HG2	1:A:204:ALA:H	10	0.17	0.01	0.17
(3,1131)	1:A:203:GLU:HG2	1:B:204:ALA:H	10	0.17	0.01	0.17
(3,1131)	1:A:205:VAL:HB	1:A:204:ALA:H	10	0.17	0.01	0.17
(3,1131)	1:A:205:VAL:HB	1:B:204:ALA:H	10	0.17	0.01	0.17
(3,1131)	1:B:203:GLU:HG2	1:A:204:ALA:H	10	0.17	0.01	0.17
(3,1131)	1:B:203:GLU:HG2	1:B:204:ALA:H	10	0.17	0.01	0.17
(3,1131)	1:B:205:VAL:HB	1:A:204:ALA:H	10	0.17	0.01	0.17
(3,1131)	1:B:205:VAL:HB	1:B:204:ALA:H	10	0.17	0.01	0.17
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD11	10	0.16	0.01	0.16
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD12	10	0.16	0.01	0.16
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD13	10	0.16	0.01	0.16
(3,1445)	1:A:189:LEU:HG	1:A:189:LEU:HA	10	0.16	0.01	0.16
(3,1445)	1:A:189:LEU:HG	1:B:189:LEU:HA	10	0.16	0.01	0.16
(3,1445)	1:A:201:ARG:HB3	1:A:189:LEU:HA	10	0.16	0.01	0.16
(3,1445)	1:A:201:ARG:HB3	1:B:189:LEU:HA	10	0.16	0.01	0.16
(3,1445)	1:B:189:LEU:HG	1:A:189:LEU:HA	10	0.16	0.01	0.16
(3,1445)	1:B:189:LEU:HG	1:B:189:LEU:HA	10	0.16	0.01	0.16
(2,42)	1:A:170:THR:O	1:A:174:ILE:H	10	0.16	0.02	0.16
(3,374)	1:B:204:ALA:H	1:B:203:GLU:H	10	0.16	0.01	0.16
(3,1364)	1:A:166:GLU:HB3	1:A:205:VAL:H	10	0.16	0.02	0.16
(3,1364)	1:A:166:GLU:HB3	1:B:205:VAL:H	10	0.16	0.02	0.16
(3,1364)	1:A:201:ARG:HB3	1:A:205:VAL:H	10	0.16	0.02	0.16
(3,1364)	1:A:201:ARG:HB3	1:B:205:VAL:H	10	0.16	0.02	0.16
(3,1364)	1:A:206:LEU:HG	1:A:205:VAL:H	10	0.16	0.02	0.16
(3,1364)	1:A:206:LEU:HG	1:B:205:VAL:H	10	0.16	0.02	0.16
(3,1364)	1:B:166:GLU:HB3	1:A:205:VAL:H	10	0.16	0.02	0.16
(3,1364)	1:B:166:GLU:HB3	1:B:205:VAL:H	10	0.16	0.02	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1364)	1:B:189:LEU:HG	1:A:205:VAL:H	10	0.16	0.02	0.16
(3,1364)	1:B:189:LEU:HG	1:B:205:VAL:H	10	0.16	0.02	0.16
(3,1364)	1:B:201:ARG:HB3	1:A:205:VAL:H	10	0.16	0.02	0.16
(3,1364)	1:B:201:ARG:HB3	1:B:205:VAL:H	10	0.16	0.02	0.16
(3,1364)	1:B:206:LEU:HG	1:A:205:VAL:H	10	0.16	0.02	0.16
(3,1364)	1:B:206:LEU:HG	1:B:205:VAL:H	10	0.16	0.02	0.16
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG11	10	0.16	0.02	0.15
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG12	10	0.16	0.02	0.15
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG13	10	0.16	0.02	0.15
(3,1086)	1:A:164:GLU:HB3	1:A:176:ASP:H	10	0.15	0.01	0.16
(3,1086)	1:A:164:GLU:HB3	1:B:176:ASP:H	10	0.15	0.01	0.16
(3,1086)	1:A:174:ILE:HB	1:A:176:ASP:H	10	0.15	0.01	0.16
(3,1086)	1:A:174:ILE:HB	1:B:176:ASP:H	10	0.15	0.01	0.16
(3,1086)	1:B:164:GLU:HB3	1:A:176:ASP:H	10	0.15	0.01	0.16
(3,1086)	1:B:164:GLU:HB3	1:B:176:ASP:H	10	0.15	0.01	0.16
(3,1086)	1:B:173:GLU:HG3	1:A:176:ASP:H	10	0.15	0.01	0.16
(3,1086)	1:B:173:GLU:HG3	1:B:176:ASP:H	10	0.15	0.01	0.16
(3,1086)	1:B:174:ILE:HB	1:A:176:ASP:H	10	0.15	0.01	0.16
(3,1086)	1:B:174:ILE:HB	1:B:176:ASP:H	10	0.15	0.01	0.16
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD11	10	0.15	0.01	0.15
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD12	10	0.15	0.01	0.15
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD13	10	0.15	0.01	0.15
(3,1321)	1:A:190:THR:HB	1:A:191:SER:H	10	0.15	0.01	0.16
(3,1321)	1:A:190:THR:HB	1:B:191:SER:H	10	0.15	0.01	0.16
(3,1321)	1:B:190:THR:HB	1:A:191:SER:H	10	0.15	0.01	0.16
(3,1321)	1:B:190:THR:HB	1:B:191:SER:H	10	0.15	0.01	0.16
(3,373)	1:A:204:ALA:H	1:A:203:GLU:H	10	0.14	0.01	0.14
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG11	10	0.14	0.03	0.14
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG12	10	0.14	0.03	0.14
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG13	10	0.14	0.03	0.14
(2,32)	1:B:162:LEU:O	1:B:166:GLU:H	10	0.14	0.01	0.14
(3,1390)	1:A:158:GLU:HG3	1:A:161:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:A:158:GLU:HG3	1:A:165:VAL:HA	10	0.14	0.02	0.14
(3,1390)	1:A:158:GLU:HG3	1:A:192:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:A:158:GLU:HG3	1:B:161:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:A:158:GLU:HG3	1:B:165:VAL:HA	10	0.14	0.02	0.14
(3,1390)	1:A:158:GLU:HG3	1:B:192:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:A:164:GLU:HB3	1:A:161:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:A:164:GLU:HB3	1:A:165:VAL:HA	10	0.14	0.02	0.14
(3,1390)	1:A:164:GLU:HB3	1:A:192:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:A:164:GLU:HB3	1:B:161:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:A:164:GLU:HB3	1:B:165:VAL:HA	10	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1390)	1:A:164:GLU:HB3	1:B:192:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:A:174:ILE:HB	1:A:161:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:A:174:ILE:HB	1:A:165:VAL:HA	10	0.14	0.02	0.14
(3,1390)	1:A:174:ILE:HB	1:A:192:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:A:174:ILE:HB	1:B:161:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:A:174:ILE:HB	1:B:165:VAL:HA	10	0.14	0.02	0.14
(3,1390)	1:A:174:ILE:HB	1:B:192:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:A:205:VAL:HB	1:A:161:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:A:205:VAL:HB	1:A:165:VAL:HA	10	0.14	0.02	0.14
(3,1390)	1:A:205:VAL:HB	1:A:192:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:A:205:VAL:HB	1:B:161:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:A:205:VAL:HB	1:B:165:VAL:HA	10	0.14	0.02	0.14
(3,1390)	1:A:205:VAL:HB	1:B:192:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:B:164:GLU:HB3	1:A:161:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:B:164:GLU:HB3	1:A:165:VAL:HA	10	0.14	0.02	0.14
(3,1390)	1:B:164:GLU:HB3	1:A:192:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:B:164:GLU:HB3	1:B:161:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:B:164:GLU:HB3	1:B:165:VAL:HA	10	0.14	0.02	0.14
(3,1390)	1:B:164:GLU:HB3	1:B:192:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:B:174:ILE:HB	1:A:161:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:B:174:ILE:HB	1:A:165:VAL:HA	10	0.14	0.02	0.14
(3,1390)	1:B:174:ILE:HB	1:A:192:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:B:174:ILE:HB	1:B:161:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:B:174:ILE:HB	1:B:165:VAL:HA	10	0.14	0.02	0.14
(3,1390)	1:B:174:ILE:HB	1:B:192:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:B:198:VAL:HB	1:A:161:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:B:198:VAL:HB	1:A:165:VAL:HA	10	0.14	0.02	0.14
(3,1390)	1:B:198:VAL:HB	1:A:192:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:B:198:VAL:HB	1:B:161:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:B:198:VAL:HB	1:B:165:VAL:HA	10	0.14	0.02	0.14
(3,1390)	1:B:198:VAL:HB	1:B:192:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:B:205:VAL:HB	1:A:161:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:B:205:VAL:HB	1:A:165:VAL:HA	10	0.14	0.02	0.14
(3,1390)	1:B:205:VAL:HB	1:A:192:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:B:205:VAL:HB	1:B:161:ILE:HA	10	0.14	0.02	0.14
(3,1390)	1:B:205:VAL:HB	1:B:165:VAL:HA	10	0.14	0.02	0.14
(3,1390)	1:B:205:VAL:HB	1:B:192:ILE:HA	10	0.14	0.02	0.14
(2,30)	1:A:162:LEU:O	1:A:166:GLU:H	10	0.13	0.01	0.13
(2,22)	1:A:160:LEU:O	1:A:164:GLU:H	10	0.13	0.02	0.13
(1,1474)	1:B:162:LEU:HD21	1:B:165:VAL:HB	10	0.13	0.01	0.13
(1,1474)	1:B:162:LEU:HD22	1:B:165:VAL:HB	10	0.13	0.01	0.13
(1,1474)	1:B:162:LEU:HD23	1:B:165:VAL:HB	10	0.13	0.01	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,698)	1:B:196:LEU:HB2	1:B:196:LEU:HG	10	0.13	0.01	0.13
(3,698)	1:B:196:LEU:HB3	1:B:196:LEU:HG	10	0.13	0.01	0.13
(3,1065)	1:A:212:GLY:HA3	1:A:212:GLY:H	10	0.13	0.01	0.13
(3,1065)	1:A:212:GLY:HA3	1:B:212:GLY:H	10	0.13	0.01	0.13
(3,1065)	1:B:212:GLY:HA3	1:A:212:GLY:H	10	0.13	0.01	0.13
(3,1065)	1:B:212:GLY:HA3	1:B:212:GLY:H	10	0.13	0.01	0.13
(3,49)	1:B:184:SER:H	1:B:183:ARG:H	10	0.13	0.02	0.12
(2,12)	1:B:157:ARG:O	1:B:161:ILE:H	10	0.12	0.01	0.12
(3,240)	1:A:183:ARG:H	1:A:181:SER:HB2	9	0.75	0.31	0.87
(1,1437)	1:A:153:VAL:HG11	1:A:195:LYS:HB2	9	0.72	0.23	0.76
(1,1437)	1:A:153:VAL:HG12	1:A:195:LYS:HB2	9	0.72	0.23	0.76
(1,1437)	1:A:153:VAL:HG13	1:A:195:LYS:HB2	9	0.72	0.23	0.76
(1,1822)	1:A:158:GLU:HG3	1:A:193:PHE:H	9	0.61	0.09	0.6
(1,1822)	1:A:158:GLU:HG3	1:B:193:PHE:H	9	0.61	0.09	0.6
(1,1822)	1:A:186:GLU:HG2	1:A:193:PHE:H	9	0.61	0.09	0.6
(1,1822)	1:A:186:GLU:HG2	1:B:193:PHE:H	9	0.61	0.09	0.6
(1,1822)	1:A:203:GLU:HG2	1:A:193:PHE:H	9	0.61	0.09	0.6
(1,1822)	1:A:203:GLU:HG2	1:B:193:PHE:H	9	0.61	0.09	0.6
(1,1822)	1:A:205:VAL:HB	1:A:193:PHE:H	9	0.61	0.09	0.6
(1,1822)	1:A:205:VAL:HB	1:B:193:PHE:H	9	0.61	0.09	0.6
(1,1822)	1:B:158:GLU:HG3	1:A:193:PHE:H	9	0.61	0.09	0.6
(1,1822)	1:B:158:GLU:HG3	1:B:193:PHE:H	9	0.61	0.09	0.6
(1,1822)	1:B:186:GLU:HG2	1:A:193:PHE:H	9	0.61	0.09	0.6
(1,1822)	1:B:186:GLU:HG2	1:B:193:PHE:H	9	0.61	0.09	0.6
(1,1822)	1:B:203:GLU:HG2	1:A:193:PHE:H	9	0.61	0.09	0.6
(1,1822)	1:B:203:GLU:HG2	1:B:193:PHE:H	9	0.61	0.09	0.6
(1,1822)	1:B:205:VAL:HB	1:A:193:PHE:H	9	0.61	0.09	0.6
(1,1822)	1:B:205:VAL:HB	1:B:193:PHE:H	9	0.61	0.09	0.6
(3,443)	1:A:194:ASN:HB2	1:A:195:LYS:H	9	0.54	0.12	0.56
(3,994)	1:A:198:VAL:HG11	1:A:200:SER:H	9	0.18	0.06	0.18
(3,994)	1:A:198:VAL:HG11	1:B:200:SER:H	9	0.18	0.06	0.18
(3,994)	1:A:198:VAL:HG12	1:A:200:SER:H	9	0.18	0.06	0.18
(3,994)	1:A:198:VAL:HG12	1:B:200:SER:H	9	0.18	0.06	0.18
(3,994)	1:A:198:VAL:HG13	1:A:200:SER:H	9	0.18	0.06	0.18
(3,994)	1:A:198:VAL:HG13	1:B:200:SER:H	9	0.18	0.06	0.18
(3,994)	1:B:198:VAL:HG11	1:A:200:SER:H	9	0.18	0.06	0.18
(3,994)	1:B:198:VAL:HG11	1:B:200:SER:H	9	0.18	0.06	0.18
(1,663)	1:B:201:ARG:H	1:B:193:PHE:H	9	0.16	0.02	0.16
(1,1763)	1:A:211:ASP:HA	1:A:146:SER:H	9	0.16	0.03	0.15
(1,1763)	1:A:211:ASP:HA	1:A:209:LYS:H	9	0.16	0.03	0.15
(1,1763)	1:A:211:ASP:HA	1:B:146:SER:H	9	0.16	0.03	0.15
(1,1763)	1:A:211:ASP:HA	1:B:209:LYS:H	9	0.16	0.03	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1763)	1:B:211:ASP:HA	1:A:146:SER:H	9	0.16	0.03	0.15
(1,1763)	1:B:211:ASP:HA	1:A:209:LYS:H	9	0.16	0.03	0.15
(1,1763)	1:B:211:ASP:HA	1:B:146:SER:H	9	0.16	0.03	0.15
(1,1763)	1:B:211:ASP:HA	1:B:209:LYS:H	9	0.16	0.03	0.15
(3,569)	1:A:178:LEU:HD11	1:A:157:ARG:HD2	9	0.16	0.05	0.13
(3,569)	1:A:178:LEU:HD11	1:A:157:ARG:HD3	9	0.16	0.05	0.13
(3,569)	1:A:178:LEU:HD12	1:A:157:ARG:HD2	9	0.16	0.05	0.13
(3,569)	1:A:178:LEU:HD12	1:A:157:ARG:HD3	9	0.16	0.05	0.13
(3,569)	1:A:178:LEU:HD13	1:A:157:ARG:HD2	9	0.16	0.05	0.13
(3,569)	1:A:178:LEU:HD13	1:A:157:ARG:HD3	9	0.16	0.05	0.13
(3,221)	1:B:158:GLU:H	1:B:157:ARG:HB3	9	0.15	0.02	0.15
(3,697)	1:A:196:LEU:HB2	1:A:196:LEU:HG	9	0.14	0.02	0.13
(3,697)	1:A:196:LEU:HB3	1:A:196:LEU:HG	9	0.14	0.02	0.13
(1,1473)	1:A:162:LEU:HD21	1:A:165:VAL:HB	9	0.14	0.01	0.14
(1,1473)	1:A:162:LEU:HD22	1:A:165:VAL:HB	9	0.14	0.01	0.14
(1,1473)	1:A:162:LEU:HD23	1:A:165:VAL:HB	9	0.14	0.01	0.14
(3,586)	1:B:213:VAL:HG21	1:B:213:VAL:HA	9	0.13	0.01	0.13
(3,586)	1:B:213:VAL:HG22	1:B:213:VAL:HA	9	0.13	0.01	0.13
(3,586)	1:B:213:VAL:HG23	1:B:213:VAL:HA	9	0.13	0.01	0.13
(3,585)	1:A:213:VAL:HG21	1:A:213:VAL:HA	9	0.13	0.02	0.14
(3,585)	1:A:213:VAL:HG22	1:A:213:VAL:HA	9	0.13	0.02	0.14
(3,585)	1:A:213:VAL:HG23	1:A:213:VAL:HA	9	0.13	0.02	0.14
(3,613)	1:A:159:CYS:HB2	1:A:159:CYS:HA	9	0.13	0.02	0.13
(3,613)	1:A:159:CYS:HB3	1:A:159:CYS:HA	9	0.13	0.02	0.13
(2,24)	1:B:160:LEU:O	1:B:164:GLU:H	9	0.13	0.02	0.13
(3,300)	1:A:191:SER:H	1:A:190:THR:HG21	9	0.12	0.01	0.12
(3,300)	1:A:191:SER:H	1:A:190:THR:HG22	9	0.12	0.01	0.12
(3,300)	1:A:191:SER:H	1:A:190:THR:HG23	9	0.12	0.01	0.12
(1,1276)	1:B:201:ARG:HD2	1:A:201:ARG:HB2	8	0.67	0.27	0.69
(1,1276)	1:B:201:ARG:HD3	1:A:201:ARG:HB2	8	0.67	0.27	0.69
(3,1488)	1:A:189:LEU:HG	1:A:201:ARG:HD2	8	0.45	0.16	0.52
(3,1488)	1:A:189:LEU:HG	1:B:201:ARG:HD2	8	0.45	0.16	0.52
(3,1488)	1:A:201:ARG:HB3	1:A:201:ARG:HD2	8	0.45	0.16	0.52
(3,1488)	1:A:201:ARG:HB3	1:B:201:ARG:HD2	8	0.45	0.16	0.52
(3,1488)	1:B:201:ARG:HB3	1:A:201:ARG:HD2	8	0.45	0.16	0.52
(3,1488)	1:B:201:ARG:HB3	1:B:201:ARG:HD2	8	0.45	0.16	0.52
(3,888)	1:A:151:GLN:HB2	1:A:151:GLN:H	8	0.32	0.16	0.29
(3,888)	1:A:151:GLN:HB2	1:A:186:GLU:H	8	0.32	0.16	0.29
(3,888)	1:A:151:GLN:HB2	1:B:151:GLN:H	8	0.32	0.16	0.29
(3,888)	1:A:186:GLU:HB2	1:A:151:GLN:H	8	0.32	0.16	0.29
(3,888)	1:A:186:GLU:HB2	1:A:186:GLU:H	8	0.32	0.16	0.29
(3,888)	1:A:186:GLU:HB2	1:B:151:GLN:H	8	0.32	0.16	0.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,888)	1:B:151:GLN:HB2	1:A:151:GLN:H	8	0.32	0.16	0.29
(3,888)	1:B:151:GLN:HB2	1:A:186:GLU:H	8	0.32	0.16	0.29
(3,888)	1:B:151:GLN:HB2	1:B:151:GLN:H	8	0.32	0.16	0.29
(3,441)	1:A:203:GLU:HG2	1:A:200:SER:H	8	0.19	0.06	0.17
(3,1490)	1:A:157:ARG:HB2	1:A:157:ARG:HD2	8	0.18	0.02	0.19
(3,1490)	1:A:157:ARG:HB2	1:B:157:ARG:HD2	8	0.18	0.02	0.19
(3,1490)	1:B:157:ARG:HB2	1:A:157:ARG:HD2	8	0.18	0.02	0.19
(3,1490)	1:B:157:ARG:HB2	1:B:157:ARG:HD2	8	0.18	0.02	0.19
(2,81)	1:A:201:ARG:O	1:A:205:VAL:H	8	0.17	0.02	0.17
(1,243)	1:B:152:ASP:H	1:B:154:LEU:HA	8	0.16	0.04	0.16
(3,995)	1:A:197:ASN:HA	1:A:198:VAL:H	8	0.15	0.03	0.15
(3,995)	1:A:197:ASN:HA	1:B:198:VAL:H	8	0.15	0.03	0.15
(3,995)	1:B:197:ASN:HA	1:A:198:VAL:H	8	0.15	0.03	0.15
(3,995)	1:B:197:ASN:HA	1:B:198:VAL:H	8	0.15	0.03	0.15
(3,1199)	1:A:149:LYS:HA	1:A:149:LYS:H	8	0.15	0.02	0.15
(3,1199)	1:A:149:LYS:HA	1:A:166:GLU:H	8	0.15	0.02	0.15
(3,1199)	1:A:149:LYS:HA	1:B:149:LYS:H	8	0.15	0.02	0.15
(3,1199)	1:A:149:LYS:HA	1:B:166:GLU:H	8	0.15	0.02	0.15
(3,1199)	1:A:205:VAL:HA	1:A:149:LYS:H	8	0.15	0.02	0.15
(3,1199)	1:A:205:VAL:HA	1:A:166:GLU:H	8	0.15	0.02	0.15
(3,1199)	1:A:205:VAL:HA	1:B:149:LYS:H	8	0.15	0.02	0.15
(3,1199)	1:A:205:VAL:HA	1:B:166:GLU:H	8	0.15	0.02	0.15
(3,1199)	1:B:149:LYS:HA	1:A:149:LYS:H	8	0.15	0.02	0.15
(3,1199)	1:B:149:LYS:HA	1:A:166:GLU:H	8	0.15	0.02	0.15
(3,1199)	1:B:149:LYS:HA	1:B:149:LYS:H	8	0.15	0.02	0.15
(3,1199)	1:B:149:LYS:HA	1:B:166:GLU:H	8	0.15	0.02	0.15
(3,1199)	1:B:205:VAL:HA	1:A:149:LYS:H	8	0.15	0.02	0.15
(3,1199)	1:B:205:VAL:HA	1:A:166:GLU:H	8	0.15	0.02	0.15
(3,1199)	1:B:205:VAL:HA	1:B:149:LYS:H	8	0.15	0.02	0.15
(3,1199)	1:B:205:VAL:HA	1:B:166:GLU:H	8	0.15	0.02	0.15
(3,564)	1:B:157:ARG:HG3	1:B:157:ARG:HA	8	0.15	0.02	0.15
(3,652)	1:B:175:ALA:HA	1:B:180:LEU:HB2	8	0.15	0.03	0.14
(1,242)	1:A:152:ASP:H	1:A:154:LEU:HA	8	0.14	0.04	0.13
(3,68)	1:A:212:GLY:H	1:A:211:ASP:H	8	0.14	0.02	0.14
(3,779)	1:A:187:TYR:H	1:A:186:GLU:H	8	0.14	0.03	0.13
(3,779)	1:A:187:TYR:H	1:A:188:SER:H	8	0.14	0.03	0.13
(3,396)	1:B:166:GLU:H	1:B:166:GLU:HB3	8	0.14	0.02	0.14
(3,69)	1:B:212:GLY:H	1:B:211:ASP:H	8	0.13	0.02	0.13
(3,354)	1:B:182:LYS:H	1:B:182:LYS:HE3	8	0.13	0.02	0.14
(3,639)	1:B:166:GLU:HG2	1:B:162:LEU:HG	8	0.13	0.03	0.12
(3,48)	1:A:184:SER:H	1:A:183:ARG:H	8	0.13	0.01	0.13
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG21	8	0.13	0.01	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG22	8	0.13	0.01	0.13
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG23	8	0.13	0.01	0.13
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG21	8	0.13	0.01	0.13
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG22	8	0.13	0.01	0.13
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG23	8	0.13	0.01	0.13
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG21	8	0.13	0.01	0.13
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG22	8	0.13	0.01	0.13
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG23	8	0.13	0.01	0.13
(3,780)	1:B:187:TYR:H	1:B:186:GLU:H	8	0.12	0.01	0.12
(3,780)	1:B:187:TYR:H	1:B:188:SER:H	8	0.12	0.01	0.12
(3,568)	1:B:189:LEU:HD21	1:B:185:ILE:HB	8	0.12	0.01	0.12
(3,568)	1:B:189:LEU:HD22	1:B:185:ILE:HB	8	0.12	0.01	0.12
(3,301)	1:B:191:SER:H	1:B:190:THR:HG21	8	0.12	0.0	0.12
(3,301)	1:B:191:SER:H	1:B:190:THR:HG22	8	0.12	0.0	0.12
(3,977)	1:A:190:THR:HA	1:A:190:THR:H	8	0.11	0.0	0.11
(3,977)	1:A:190:THR:HA	1:B:190:THR:H	8	0.11	0.0	0.11
(3,977)	1:B:190:THR:HA	1:A:190:THR:H	8	0.11	0.0	0.11
(3,977)	1:B:190:THR:HA	1:B:190:THR:H	8	0.11	0.0	0.11
(3,892)	1:A:186:GLU:HB2	1:A:186:GLU:H	7	0.24	0.04	0.26
(3,892)	1:A:186:GLU:HB2	1:B:151:GLN:H	7	0.24	0.04	0.26
(3,892)	1:B:150:GLU:HB2	1:A:186:GLU:H	7	0.24	0.04	0.26
(3,892)	1:B:150:GLU:HB2	1:B:151:GLN:H	7	0.24	0.04	0.26
(3,719)	1:B:149:LYS:HB2	1:B:153:VAL:HB	7	0.19	0.04	0.18
(3,719)	1:B:149:LYS:HB3	1:B:153:VAL:HB	7	0.19	0.04	0.18
(3,1207)	1:A:164:GLU:HG2	1:A:175:ALA:H	7	0.17	0.05	0.16
(3,1207)	1:A:164:GLU:HG2	1:B:175:ALA:H	7	0.17	0.05	0.16
(3,1207)	1:A:176:ASP:HB2	1:A:175:ALA:H	7	0.17	0.05	0.16
(3,1207)	1:A:176:ASP:HB2	1:B:175:ALA:H	7	0.17	0.05	0.16
(3,1207)	1:B:176:ASP:HB2	1:A:175:ALA:H	7	0.17	0.05	0.16
(3,1207)	1:B:176:ASP:HB2	1:B:175:ALA:H	7	0.17	0.05	0.16
(3,1121)	1:A:157:ARG:HB2	1:A:162:LEU:H	7	0.16	0.03	0.16
(3,1121)	1:A:157:ARG:HB2	1:B:162:LEU:H	7	0.16	0.03	0.16
(3,1121)	1:A:158:GLU:HG3	1:A:162:LEU:H	7	0.16	0.03	0.16
(3,1121)	1:A:158:GLU:HG3	1:B:162:LEU:H	7	0.16	0.03	0.16
(3,1121)	1:A:163:GLN:HB2	1:A:162:LEU:H	7	0.16	0.03	0.16
(3,1121)	1:A:163:GLN:HB2	1:B:162:LEU:H	7	0.16	0.03	0.16
(3,1121)	1:A:166:GLU:HG2	1:A:162:LEU:H	7	0.16	0.03	0.16
(3,1121)	1:A:166:GLU:HG2	1:B:162:LEU:H	7	0.16	0.03	0.16
(3,1121)	1:A:192:ILE:HB	1:A:162:LEU:H	7	0.16	0.03	0.16
(3,1121)	1:A:192:ILE:HB	1:B:162:LEU:H	7	0.16	0.03	0.16
(3,1121)	1:B:151:GLN:HB2	1:A:162:LEU:H	7	0.16	0.03	0.16
(3,1121)	1:B:151:GLN:HB2	1:B:162:LEU:H	7	0.16	0.03	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1121)	1:B:158:GLU:HG3	1:A:162:LEU:H	7	0.16	0.03	0.16
(3,1121)	1:B:158:GLU:HG3	1:B:162:LEU:H	7	0.16	0.03	0.16
(3,1121)	1:B:163:GLN:HB2	1:A:162:LEU:H	7	0.16	0.03	0.16
(3,1121)	1:B:163:GLN:HB2	1:B:162:LEU:H	7	0.16	0.03	0.16
(3,1121)	1:B:166:GLU:HG2	1:A:162:LEU:H	7	0.16	0.03	0.16
(3,1121)	1:B:166:GLU:HG2	1:B:162:LEU:H	7	0.16	0.03	0.16
(3,1121)	1:B:192:ILE:HB	1:A:162:LEU:H	7	0.16	0.03	0.16
(3,1121)	1:B:192:ILE:HB	1:B:162:LEU:H	7	0.16	0.03	0.16
(3,162)	1:A:192:ILE:H	1:A:191:SER:H	7	0.15	0.03	0.16
(1,662)	1:A:201:ARG:H	1:A:193:PHE:H	7	0.15	0.02	0.14
(3,855)	1:A:152:ASP:HB2	1:A:152:ASP:H	7	0.14	0.03	0.13
(3,855)	1:A:152:ASP:HB2	1:B:152:ASP:H	7	0.14	0.03	0.13
(3,855)	1:B:152:ASP:HB2	1:A:152:ASP:H	7	0.14	0.03	0.13
(3,855)	1:B:152:ASP:HB2	1:B:152:ASP:H	7	0.14	0.03	0.13
(3,168)	1:A:187:TYR:H	1:A:186:GLU:HG2	7	0.14	0.04	0.12
(3,169)	1:B:187:TYR:H	1:B:186:GLU:HG2	7	0.14	0.02	0.14
(3,614)	1:B:159:CYS:HB2	1:B:159:CYS:HA	7	0.13	0.01	0.13
(3,614)	1:B:159:CYS:HB3	1:B:159:CYS:HA	7	0.13	0.01	0.13
(3,1102)	1:A:174:ILE:H	1:A:172:GLN:H	7	0.13	0.01	0.13
(3,1102)	1:A:174:ILE:H	1:B:172:GLN:H	7	0.13	0.01	0.13
(3,1102)	1:B:174:ILE:H	1:A:172:GLN:H	7	0.13	0.01	0.13
(3,1102)	1:B:174:ILE:H	1:B:172:GLN:H	7	0.13	0.01	0.13
(3,353)	1:A:182:LYS:H	1:A:182:LYS:HE3	7	0.13	0.02	0.12
(3,395)	1:A:166:GLU:H	1:A:166:GLU:HB3	7	0.13	0.01	0.13
(3,1302)	1:A:172:GLN:HG2	1:A:173:GLU:H	7	0.13	0.02	0.12
(3,1302)	1:A:172:GLN:HG2	1:B:173:GLU:H	7	0.13	0.02	0.12
(3,1302)	1:A:173:GLU:HG3	1:A:173:GLU:H	7	0.13	0.02	0.12
(3,1302)	1:A:173:GLU:HG3	1:B:173:GLU:H	7	0.13	0.02	0.12
(3,1302)	1:B:173:GLU:HG3	1:A:173:GLU:H	7	0.13	0.02	0.12
(3,1302)	1:B:173:GLU:HG3	1:B:173:GLU:H	7	0.13	0.02	0.12
(2,10)	1:A:157:ARG:O	1:A:161:ILE:H	7	0.12	0.01	0.12
(3,887)	1:A:151:GLN:HG2	1:A:151:GLN:H	6	0.37	0.17	0.41
(3,887)	1:A:151:GLN:HG2	1:B:151:GLN:H	6	0.37	0.17	0.41
(3,887)	1:B:151:GLN:HG2	1:A:151:GLN:H	6	0.37	0.17	0.41
(3,887)	1:B:151:GLN:HG2	1:B:151:GLN:H	6	0.37	0.17	0.41
(3,1269)	1:A:149:LYS:HE3	1:A:150:GLU:H	6	0.26	0.1	0.26
(3,1269)	1:A:149:LYS:HE3	1:A:165:VAL:H	6	0.26	0.1	0.26
(3,1269)	1:A:149:LYS:HE3	1:B:150:GLU:H	6	0.26	0.1	0.26
(3,1269)	1:A:149:LYS:HE3	1:B:165:VAL:H	6	0.26	0.1	0.26
(3,1269)	1:A:165:VAL:HB	1:A:150:GLU:H	6	0.26	0.1	0.26
(3,1269)	1:A:165:VAL:HB	1:A:165:VAL:H	6	0.26	0.1	0.26
(3,1269)	1:A:165:VAL:HB	1:B:150:GLU:H	6	0.26	0.1	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1269)	1:A:165:VAL:HB	1:B:165:VAL:H	6	0.26	0.1	0.26
(3,1269)	1:B:149:LYS:HE3	1:A:150:GLU:H	6	0.26	0.1	0.26
(3,1269)	1:B:149:LYS:HE3	1:A:165:VAL:H	6	0.26	0.1	0.26
(3,1269)	1:B:149:LYS:HE3	1:B:150:GLU:H	6	0.26	0.1	0.26
(3,1269)	1:B:149:LYS:HE3	1:B:165:VAL:H	6	0.26	0.1	0.26
(3,1269)	1:B:151:GLN:HG2	1:A:150:GLU:H	6	0.26	0.1	0.26
(3,1269)	1:B:151:GLN:HG2	1:A:165:VAL:H	6	0.26	0.1	0.26
(3,1269)	1:B:151:GLN:HG2	1:B:150:GLU:H	6	0.26	0.1	0.26
(3,1269)	1:B:151:GLN:HG2	1:B:165:VAL:H	6	0.26	0.1	0.26
(3,1269)	1:B:165:VAL:HB	1:A:150:GLU:H	6	0.26	0.1	0.26
(3,1269)	1:B:165:VAL:HB	1:A:165:VAL:H	6	0.26	0.1	0.26
(3,1269)	1:B:165:VAL:HB	1:B:150:GLU:H	6	0.26	0.1	0.26
(3,1269)	1:B:165:VAL:HB	1:B:165:VAL:H	6	0.26	0.1	0.26
(3,494)	1:B:149:LYS:HA	1:B:149:LYS:HG2	6	0.2	0.07	0.18
(3,494)	1:B:149:LYS:HA	1:B:149:LYS:HG3	6	0.2	0.07	0.18
(3,1120)	1:A:158:GLU:HG2	1:A:162:LEU:H	6	0.2	0.03	0.19
(3,1120)	1:A:158:GLU:HG2	1:B:162:LEU:H	6	0.2	0.03	0.19
(3,1120)	1:A:163:GLN:HG3	1:A:162:LEU:H	6	0.2	0.03	0.19
(3,1120)	1:A:163:GLN:HG3	1:B:162:LEU:H	6	0.2	0.03	0.19
(3,1120)	1:B:158:GLU:HG2	1:A:162:LEU:H	6	0.2	0.03	0.19
(3,1120)	1:B:158:GLU:HG2	1:B:162:LEU:H	6	0.2	0.03	0.19
(3,1120)	1:B:163:GLN:HG3	1:A:162:LEU:H	6	0.2	0.03	0.19
(3,1120)	1:B:163:GLN:HG3	1:B:162:LEU:H	6	0.2	0.03	0.19
(3,570)	1:B:178:LEU:HD11	1:B:157:ARG:HD2	6	0.18	0.03	0.19
(3,570)	1:B:178:LEU:HD11	1:B:157:ARG:HD3	6	0.18	0.03	0.19
(3,570)	1:B:178:LEU:HD12	1:B:157:ARG:HD2	6	0.18	0.03	0.19
(3,570)	1:B:178:LEU:HD12	1:B:157:ARG:HD3	6	0.18	0.03	0.19
(3,570)	1:B:178:LEU:HD13	1:B:157:ARG:HD2	6	0.18	0.03	0.19
(3,570)	1:B:178:LEU:HD13	1:B:157:ARG:HD3	6	0.18	0.03	0.19
(3,163)	1:B:192:ILE:H	1:B:191:SER:H	6	0.16	0.02	0.17
(1,1886)	1:B:154:LEU:HB2	1:B:157:ARG:HA	6	0.16	0.05	0.13
(1,1886)	1:B:154:LEU:HB2	1:B:162:LEU:HA	6	0.16	0.05	0.13
(1,1886)	1:B:154:LEU:HB3	1:B:157:ARG:HA	6	0.16	0.05	0.13
(1,1886)	1:B:154:LEU:HB3	1:B:162:LEU:HA	6	0.16	0.05	0.13
(3,1531)	1:A:209:LYS:HE2	1:A:209:LYS:HB2	6	0.16	0.03	0.16
(3,1531)	1:A:209:LYS:HE2	1:B:209:LYS:HB2	6	0.16	0.03	0.16
(3,1531)	1:B:209:LYS:HE2	1:A:209:LYS:HB2	6	0.16	0.03	0.16
(3,1531)	1:B:209:LYS:HE2	1:B:209:LYS:HB2	6	0.16	0.03	0.16
(3,844)	1:A:201:ARG:HB2	1:A:201:ARG:H	6	0.15	0.03	0.16
(3,844)	1:A:201:ARG:HB2	1:B:201:ARG:H	6	0.15	0.03	0.16
(3,844)	1:A:203:GLU:HB2	1:A:201:ARG:H	6	0.15	0.03	0.16
(3,844)	1:A:203:GLU:HB2	1:B:201:ARG:H	6	0.15	0.03	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,844)	1:B:201:ARG:HB2	1:A:201:ARG:H	6	0.15	0.03	0.16
(3,844)	1:B:201:ARG:HB2	1:B:201:ARG:H	6	0.15	0.03	0.16
(3,844)	1:B:203:GLU:HB2	1:A:201:ARG:H	6	0.15	0.03	0.16
(3,844)	1:B:203:GLU:HB2	1:B:201:ARG:H	6	0.15	0.03	0.16
(3,1402)	1:A:170:THR:HA	1:A:202:THR:HA	6	0.14	0.03	0.14
(3,1402)	1:A:170:THR:HA	1:B:181:SER:HB2	6	0.14	0.03	0.14
(3,1402)	1:A:170:THR:HA	1:B:202:THR:HA	6	0.14	0.03	0.14
(3,1402)	1:B:170:THR:HA	1:A:202:THR:HA	6	0.14	0.03	0.14
(3,1402)	1:B:170:THR:HA	1:B:181:SER:HB2	6	0.14	0.03	0.14
(3,1402)	1:B:170:THR:HA	1:B:202:THR:HA	6	0.14	0.03	0.14
(3,1402)	1:B:180:LEU:HA	1:A:202:THR:HA	6	0.14	0.03	0.14
(3,1402)	1:B:180:LEU:HA	1:B:181:SER:HB2	6	0.14	0.03	0.14
(3,1402)	1:B:180:LEU:HA	1:B:202:THR:HA	6	0.14	0.03	0.14
(1,899)	1:B:198:VAL:H	1:B:207:ILE:HG21	6	0.14	0.02	0.14
(1,899)	1:B:198:VAL:H	1:B:207:ILE:HG22	6	0.14	0.02	0.14
(1,899)	1:B:198:VAL:H	1:B:207:ILE:HG23	6	0.14	0.02	0.14
(1,1748)	1:A:164:GLU:HB2	1:A:185:ILE:H	6	0.14	0.03	0.12
(1,1748)	1:A:164:GLU:HB2	1:B:185:ILE:H	6	0.14	0.03	0.12
(1,1748)	1:A:172:GLN:HG2	1:A:185:ILE:H	6	0.14	0.03	0.12
(1,1748)	1:A:172:GLN:HG2	1:B:185:ILE:H	6	0.14	0.03	0.12
(1,1748)	1:A:172:GLN:HG3	1:A:185:ILE:H	6	0.14	0.03	0.12
(1,1748)	1:A:172:GLN:HG3	1:B:185:ILE:H	6	0.14	0.03	0.12
(1,1748)	1:B:164:GLU:HB2	1:A:185:ILE:H	6	0.14	0.03	0.12
(1,1748)	1:B:164:GLU:HB2	1:B:185:ILE:H	6	0.14	0.03	0.12
(1,1748)	1:B:172:GLN:HG2	1:A:185:ILE:H	6	0.14	0.03	0.12
(1,1748)	1:B:172:GLN:HG2	1:B:185:ILE:H	6	0.14	0.03	0.12
(1,1748)	1:B:172:GLN:HG3	1:A:185:ILE:H	6	0.14	0.03	0.12
(1,1748)	1:B:172:GLN:HG3	1:B:185:ILE:H	6	0.14	0.03	0.12
(1,898)	1:A:198:VAL:H	1:A:207:ILE:HG21	6	0.14	0.01	0.14
(1,898)	1:A:198:VAL:H	1:A:207:ILE:HG22	6	0.14	0.01	0.14
(1,898)	1:A:198:VAL:H	1:A:207:ILE:HG23	6	0.14	0.01	0.14
(1,1098)	1:B:177:ALA:H	1:B:182:LYS:HD2	6	0.13	0.01	0.13
(1,1098)	1:B:177:ALA:H	1:B:182:LYS:HD3	6	0.13	0.01	0.13
(1,1885)	1:A:154:LEU:HB2	1:A:157:ARG:HA	6	0.13	0.02	0.12
(1,1885)	1:A:154:LEU:HB2	1:A:162:LEU:HA	6	0.13	0.02	0.12
(1,1885)	1:A:154:LEU:HB3	1:A:157:ARG:HA	6	0.13	0.02	0.12
(1,1885)	1:A:154:LEU:HB3	1:A:162:LEU:HA	6	0.13	0.02	0.12
(1,1430)	1:B:178:LEU:HD21	1:B:164:GLU:HA	6	0.13	0.02	0.12
(1,1430)	1:B:178:LEU:HD22	1:B:164:GLU:HA	6	0.13	0.02	0.12
(1,1430)	1:B:178:LEU:HD23	1:B:164:GLU:HA	6	0.13	0.02	0.12
(3,760)	1:A:198:VAL:HG21	1:B:205:VAL:HG21	6	0.13	0.01	0.12
(3,760)	1:A:198:VAL:HG21	1:B:205:VAL:HG22	6	0.13	0.01	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,760)	1:A:198:VAL:HG21	1:B:205:VAL:HG23	6	0.13	0.01	0.12
(3,760)	1:A:198:VAL:HG22	1:B:205:VAL:HG21	6	0.13	0.01	0.12
(3,760)	1:A:198:VAL:HG22	1:B:205:VAL:HG22	6	0.13	0.01	0.12
(3,760)	1:A:198:VAL:HG22	1:B:205:VAL:HG23	6	0.13	0.01	0.12
(3,760)	1:A:198:VAL:HG23	1:B:205:VAL:HG21	6	0.13	0.01	0.12
(3,760)	1:A:198:VAL:HG23	1:B:205:VAL:HG22	6	0.13	0.01	0.12
(3,760)	1:A:198:VAL:HG23	1:B:205:VAL:HG23	6	0.13	0.01	0.12
(3,667)	1:A:181:SER:HA	1:A:175:ALA:HB1	6	0.13	0.01	0.12
(3,667)	1:A:181:SER:HA	1:A:175:ALA:HB2	6	0.13	0.01	0.12
(3,667)	1:A:181:SER:HA	1:A:175:ALA:HB3	6	0.13	0.01	0.12
(3,1145)	1:A:207:ILE:HG13	1:A:207:ILE:H	6	0.13	0.01	0.13
(3,1145)	1:A:207:ILE:HG13	1:B:207:ILE:H	6	0.13	0.01	0.13
(3,1145)	1:B:207:ILE:HG13	1:A:207:ILE:H	6	0.13	0.01	0.13
(3,1145)	1:B:207:ILE:HG13	1:B:207:ILE:H	6	0.13	0.01	0.13
(3,716)	1:A:149:LYS:HB2	1:A:153:VAL:HB	5	0.19	0.04	0.19
(3,716)	1:A:149:LYS:HB3	1:A:153:VAL:HB	5	0.19	0.04	0.19
(3,545)	1:A:151:GLN:HB3	1:A:151:GLN:HA	5	0.18	0.02	0.16
(3,1389)	1:A:165:VAL:HB	1:A:205:VAL:HA	5	0.15	0.01	0.15
(3,1389)	1:A:165:VAL:HB	1:B:205:VAL:HA	5	0.15	0.01	0.15
(3,1389)	1:B:165:VAL:HB	1:A:205:VAL:HA	5	0.15	0.01	0.15
(3,1389)	1:B:165:VAL:HB	1:B:205:VAL:HA	5	0.15	0.01	0.15
(3,493)	1:A:149:LYS:HA	1:A:149:LYS:HG2	5	0.15	0.06	0.12
(3,493)	1:A:149:LYS:HA	1:A:149:LYS:HG3	5	0.15	0.06	0.12
(1,1097)	1:A:177:ALA:H	1:A:182:LYS:HD2	5	0.14	0.02	0.14
(1,1097)	1:A:177:ALA:H	1:A:182:LYS:HD3	5	0.14	0.02	0.14
(1,1392)	1:B:206:LEU:HD11	1:A:167:LYS:HD2	5	0.13	0.01	0.13
(1,1392)	1:B:206:LEU:HD11	1:A:167:LYS:HD3	5	0.13	0.01	0.13
(1,1392)	1:B:206:LEU:HD12	1:A:167:LYS:HD2	5	0.13	0.01	0.13
(1,1392)	1:B:206:LEU:HD12	1:A:167:LYS:HD3	5	0.13	0.01	0.13
(1,1392)	1:B:206:LEU:HD13	1:A:167:LYS:HD2	5	0.13	0.01	0.13
(1,1392)	1:B:206:LEU:HD13	1:A:167:LYS:HD3	5	0.13	0.01	0.13
(3,508)	1:B:157:ARG:HD2	1:B:157:ARG:HB2	5	0.13	0.01	0.13
(3,508)	1:B:157:ARG:HD3	1:B:157:ARG:HB2	5	0.13	0.01	0.13
(3,668)	1:B:181:SER:HA	1:B:175:ALA:HB1	5	0.13	0.01	0.13
(3,668)	1:B:181:SER:HA	1:B:175:ALA:HB2	5	0.13	0.01	0.13
(3,668)	1:B:181:SER:HA	1:B:175:ALA:HB3	5	0.13	0.01	0.13
(3,580)	1:B:206:LEU:HD11	1:B:206:LEU:HA	5	0.13	0.01	0.12
(3,580)	1:B:206:LEU:HD12	1:B:206:LEU:HA	5	0.13	0.01	0.12
(3,1170)	1:A:200:SER:HA	1:A:203:GLU:H	5	0.13	0.02	0.12
(3,1170)	1:A:200:SER:HA	1:B:203:GLU:H	5	0.13	0.02	0.12
(3,1170)	1:B:200:SER:HA	1:A:203:GLU:H	5	0.13	0.02	0.12
(3,1170)	1:B:200:SER:HA	1:B:203:GLU:H	5	0.13	0.02	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,100)	1:B:182:LYS:H	1:B:181:SER:HA	5	0.12	0.01	0.12
(3,649)	1:B:174:ILE:HA	1:B:164:GLU:HG3	5	0.12	0.01	0.12
(3,241)	1:B:183:ARG:H	1:B:181:SER:HB3	5	0.12	0.0	0.12
(3,1150)	1:A:157:ARG:HG2	1:A:160:LEU:H	4	0.57	0.24	0.57
(3,1150)	1:A:157:ARG:HG2	1:B:160:LEU:H	4	0.57	0.24	0.57
(3,1150)	1:B:157:ARG:HG2	1:A:160:LEU:H	4	0.57	0.24	0.57
(3,1150)	1:B:157:ARG:HG2	1:B:160:LEU:H	4	0.57	0.24	0.57
(3,1367)	1:B:151:GLN:HA	1:B:154:LEU:HG	4	0.2	0.05	0.22
(3,1367)	1:B:151:GLN:HA	1:B:196:LEU:HG	4	0.2	0.05	0.22
(3,1489)	1:A:181:SER:HB2	1:A:183:ARG:HD2	4	0.18	0.06	0.18
(3,1489)	1:A:181:SER:HB2	1:B:183:ARG:HD2	4	0.18	0.06	0.18
(3,1489)	1:B:181:SER:HB2	1:A:183:ARG:HD2	4	0.18	0.06	0.18
(3,1489)	1:B:181:SER:HB2	1:B:183:ARG:HD2	4	0.18	0.06	0.18
(1,1762)	1:A:152:ASP:HA	1:A:157:ARG:H	4	0.18	0.02	0.17
(1,1762)	1:A:152:ASP:HA	1:A:163:GLN:H	4	0.18	0.02	0.17
(1,1762)	1:A:152:ASP:HA	1:B:157:ARG:H	4	0.18	0.02	0.17
(1,1762)	1:A:152:ASP:HA	1:B:163:GLN:H	4	0.18	0.02	0.17
(1,1762)	1:B:152:ASP:HA	1:A:157:ARG:H	4	0.18	0.02	0.17
(1,1762)	1:B:152:ASP:HA	1:A:163:GLN:H	4	0.18	0.02	0.17
(1,1762)	1:B:152:ASP:HA	1:B:157:ARG:H	4	0.18	0.02	0.17
(1,1762)	1:B:152:ASP:HA	1:B:163:GLN:H	4	0.18	0.02	0.17
(1,1429)	1:A:178:LEU:HD21	1:A:164:GLU:HA	4	0.14	0.02	0.14
(1,1429)	1:A:178:LEU:HD22	1:A:164:GLU:HA	4	0.14	0.02	0.14
(1,1429)	1:A:178:LEU:HD23	1:A:164:GLU:HA	4	0.14	0.02	0.14
(1,1210)	1:A:213:VAL:HA	1:A:151:GLN:HB2	4	0.13	0.01	0.13
(1,1210)	1:A:213:VAL:HA	1:A:151:GLN:HB3	4	0.13	0.01	0.13
(3,420)	1:B:171:ASN:H	1:B:201:ARG:HD2	4	0.13	0.01	0.14
(3,420)	1:B:171:ASN:H	1:B:201:ARG:HD3	4	0.13	0.01	0.14
(1,1211)	1:B:213:VAL:HA	1:B:151:GLN:HB2	4	0.12	0.01	0.12
(1,1211)	1:B:213:VAL:HA	1:B:151:GLN:HB3	4	0.12	0.01	0.12
(3,99)	1:A:182:LYS:H	1:A:181:SER:HA	4	0.12	0.0	0.12
(3,457)	1:A:174:ILE:HA	1:A:177:ALA:HB1	4	0.12	0.0	0.12
(3,457)	1:A:174:ILE:HA	1:A:177:ALA:HB2	4	0.12	0.0	0.12
(3,457)	1:A:174:ILE:HA	1:A:177:ALA:HB3	4	0.12	0.0	0.12
(3,630)	1:B:164:GLU:HG2	1:B:163:GLN:HG2	4	0.12	0.01	0.11
(3,630)	1:B:164:GLU:HG2	1:B:163:GLN:HG3	4	0.12	0.01	0.11
(3,1260)	1:A:209:LYS:HA	1:A:214:LEU:H	3	0.31	0.05	0.31
(3,1260)	1:A:209:LYS:HA	1:B:214:LEU:H	3	0.31	0.05	0.31
(3,1260)	1:B:209:LYS:HA	1:A:214:LEU:H	3	0.31	0.05	0.31
(3,1260)	1:B:209:LYS:HA	1:B:214:LEU:H	3	0.31	0.05	0.31
(3,1465)	1:A:179:HIS:HB2	1:A:179:HIS:HA	3	0.28	0.11	0.35
(3,1465)	1:A:179:HIS:HB2	1:B:151:GLN:HA	3	0.28	0.11	0.35

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1465)	1:A:179:HIS:HB2	1:B:179:HIS:HA	3	0.28	0.11	0.35
(3,1465)	1:B:151:GLN:HG2	1:A:179:HIS:HA	3	0.28	0.11	0.35
(3,1465)	1:B:151:GLN:HG2	1:B:151:GLN:HA	3	0.28	0.11	0.35
(3,1465)	1:B:151:GLN:HG2	1:B:179:HIS:HA	3	0.28	0.11	0.35
(3,1465)	1:B:179:HIS:HB2	1:A:179:HIS:HA	3	0.28	0.11	0.35
(3,1465)	1:B:179:HIS:HB2	1:B:151:GLN:HA	3	0.28	0.11	0.35
(3,1465)	1:B:179:HIS:HB2	1:B:179:HIS:HA	3	0.28	0.11	0.35
(3,1366)	1:A:151:GLN:HA	1:A:154:LEU:HG	3	0.19	0.05	0.21
(3,1366)	1:A:151:GLN:HA	1:A:196:LEU:HG	3	0.19	0.05	0.21
(3,126)	1:B:149:LYS:H	1:B:148:GLN:HB2	3	0.18	0.05	0.16
(3,1106)	1:A:194:ASN:HB2	1:A:193:PHE:H	3	0.18	0.06	0.16
(3,1106)	1:A:194:ASN:HB2	1:B:193:PHE:H	3	0.18	0.06	0.16
(3,1106)	1:B:194:ASN:HB2	1:A:193:PHE:H	3	0.18	0.06	0.16
(3,1106)	1:B:194:ASN:HB2	1:B:193:PHE:H	3	0.18	0.06	0.16
(1,1794)	1:A:152:ASP:HA	1:A:155:THR:H	3	0.14	0.01	0.14
(1,1794)	1:A:152:ASP:HA	1:B:155:THR:H	3	0.14	0.01	0.14
(1,1794)	1:B:152:ASP:HA	1:A:155:THR:H	3	0.14	0.01	0.14
(1,1794)	1:B:152:ASP:HA	1:B:155:THR:H	3	0.14	0.01	0.14
(3,546)	1:B:151:GLN:HB3	1:B:151:GLN:HA	3	0.14	0.01	0.15
(1,733)	1:B:173:GLU:H	1:B:169:PHE:HA	3	0.12	0.0	0.12
(1,518)	1:B:191:SER:H	1:B:186:GLU:HA	3	0.11	0.0	0.11
(3,899)	1:A:157:ARG:HB2	1:A:158:GLU:H	2	0.4	0.02	0.4
(3,899)	1:A:157:ARG:HB2	1:B:158:GLU:H	2	0.4	0.02	0.4
(3,899)	1:B:158:GLU:HG3	1:A:158:GLU:H	2	0.4	0.02	0.4
(3,899)	1:B:158:GLU:HG3	1:B:158:GLU:H	2	0.4	0.02	0.4
(3,1191)	1:A:149:LYS:HG2	1:A:150:GLU:H	2	0.3	0.05	0.3
(3,1191)	1:A:149:LYS:HG2	1:B:150:GLU:H	2	0.3	0.05	0.3
(3,1191)	1:B:149:LYS:HG2	1:A:150:GLU:H	2	0.3	0.05	0.3
(3,1191)	1:B:149:LYS:HG2	1:B:150:GLU:H	2	0.3	0.05	0.3
(3,1280)	1:A:149:LYS:HE3	1:A:152:ASP:H	2	0.3	0.18	0.3
(3,1280)	1:A:149:LYS:HE3	1:B:152:ASP:H	2	0.3	0.18	0.3
(3,1280)	1:A:149:LYS:HE3	1:B:207:ILE:H	2	0.3	0.18	0.3
(3,1280)	1:A:151:GLN:HG2	1:A:152:ASP:H	2	0.3	0.18	0.3
(3,1280)	1:A:151:GLN:HG2	1:B:152:ASP:H	2	0.3	0.18	0.3
(3,1280)	1:A:151:GLN:HG2	1:B:207:ILE:H	2	0.3	0.18	0.3
(3,1280)	1:B:149:LYS:HE3	1:A:152:ASP:H	2	0.3	0.18	0.3
(3,1280)	1:B:149:LYS:HE3	1:B:152:ASP:H	2	0.3	0.18	0.3
(3,1280)	1:B:149:LYS:HE3	1:B:207:ILE:H	2	0.3	0.18	0.3
(3,1280)	1:B:151:GLN:HG2	1:A:152:ASP:H	2	0.3	0.18	0.3
(3,1280)	1:B:151:GLN:HG2	1:B:152:ASP:H	2	0.3	0.18	0.3
(3,1280)	1:B:151:GLN:HG2	1:B:207:ILE:H	2	0.3	0.18	0.3
(3,1280)	1:B:203:GLU:HG2	1:A:152:ASP:H	2	0.3	0.18	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1280)	1:B:203:GLU:HG2	1:B:152:ASP:H	2	0.3	0.18	0.3
(3,1280)	1:B:203:GLU:HG2	1:B:207:ILE:H	2	0.3	0.18	0.3
(3,669)	1:A:182:LYS:HB3	1:A:182:LYS:HA	2	0.24	0.13	0.24
(3,368)	1:B:195:LYS:H	1:B:195:LYS:HE2	2	0.2	0.08	0.2
(3,419)	1:A:171:ASN:H	1:A:201:ARG:HD2	2	0.2	0.08	0.2
(3,419)	1:A:171:ASN:H	1:A:201:ARG:HD3	2	0.2	0.08	0.2
(3,1217)	1:A:172:GLN:HG3	1:A:182:LYS:H	2	0.2	0.06	0.2
(3,1217)	1:A:172:GLN:HG3	1:B:182:LYS:H	2	0.2	0.06	0.2
(3,1217)	1:B:172:GLN:HG3	1:A:182:LYS:H	2	0.2	0.06	0.2
(3,1217)	1:B:172:GLN:HG3	1:B:182:LYS:H	2	0.2	0.06	0.2
(3,938)	1:A:146:SER:HB2	1:A:147:SER:H	2	0.18	0.06	0.18
(3,938)	1:A:146:SER:HB2	1:B:146:SER:H	2	0.18	0.06	0.18
(3,938)	1:A:146:SER:HB2	1:B:147:SER:H	2	0.18	0.06	0.18
(3,938)	1:B:146:SER:HB2	1:A:147:SER:H	2	0.18	0.06	0.18
(3,938)	1:B:146:SER:HB2	1:B:146:SER:H	2	0.18	0.06	0.18
(3,938)	1:B:146:SER:HB2	1:B:147:SER:H	2	0.18	0.06	0.18
(3,951)	1:A:157:ARG:HB2	1:A:159:CYS:H	2	0.18	0.04	0.18
(3,951)	1:A:157:ARG:HB2	1:B:159:CYS:H	2	0.18	0.04	0.18
(3,951)	1:A:158:GLU:HG3	1:A:159:CYS:H	2	0.18	0.04	0.18
(3,951)	1:A:158:GLU:HG3	1:B:159:CYS:H	2	0.18	0.04	0.18
(3,951)	1:B:157:ARG:HB2	1:A:159:CYS:H	2	0.18	0.04	0.18
(3,951)	1:B:157:ARG:HB2	1:B:159:CYS:H	2	0.18	0.04	0.18
(3,951)	1:B:158:GLU:HG3	1:A:159:CYS:H	2	0.18	0.04	0.18
(3,951)	1:B:158:GLU:HG3	1:B:159:CYS:H	2	0.18	0.04	0.18
(1,1252)	1:A:151:GLN:HA	1:A:149:LYS:HE2	2	0.17	0.05	0.17
(1,1252)	1:A:151:GLN:HA	1:A:149:LYS:HE3	2	0.17	0.05	0.17
(3,27)	1:B:193:PHE:H	1:B:193:PHE:HB3	2	0.16	0.03	0.16
(3,144)	1:B:149:LYS:H	1:B:149:LYS:HB2	2	0.16	0.04	0.16
(3,1174)	1:A:169:PHE:HA	1:A:201:ARG:H	2	0.16	0.03	0.16
(3,1174)	1:A:169:PHE:HA	1:B:201:ARG:H	2	0.16	0.03	0.16
(3,1174)	1:B:169:PHE:HA	1:A:201:ARG:H	2	0.16	0.03	0.16
(3,1174)	1:B:169:PHE:HA	1:B:201:ARG:H	2	0.16	0.03	0.16
(3,1330)	1:A:170:THR:HG1	1:A:202:THR:H	2	0.16	0.02	0.16
(3,1330)	1:A:170:THR:HG1	1:B:202:THR:H	2	0.16	0.02	0.16
(3,1330)	1:B:170:THR:HG1	1:A:202:THR:H	2	0.16	0.02	0.16
(3,1330)	1:B:170:THR:HG1	1:B:202:THR:H	2	0.16	0.02	0.16
(1,1075)	1:A:165:VAL:H	1:A:170:THR:HA	2	0.16	0.05	0.16
(3,1480)	1:A:153:VAL:HG11	1:A:147:SER:HA	2	0.15	0.02	0.15
(3,1480)	1:A:153:VAL:HG11	1:A:154:LEU:HA	2	0.15	0.02	0.15
(3,1480)	1:A:153:VAL:HG11	1:B:154:LEU:HA	2	0.15	0.02	0.15
(3,1480)	1:A:153:VAL:HG12	1:A:147:SER:HA	2	0.15	0.02	0.15
(3,1480)	1:A:153:VAL:HG12	1:A:154:LEU:HA	2	0.15	0.02	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1480)	1:A:153:VAL:HG12	1:B:154:LEU:HA	2	0.15	0.02	0.15
(3,1480)	1:A:153:VAL:HG13	1:A:147:SER:HA	2	0.15	0.02	0.15
(3,1480)	1:A:153:VAL:HG13	1:A:154:LEU:HA	2	0.15	0.02	0.15
(3,1480)	1:A:153:VAL:HG13	1:B:154:LEU:HA	2	0.15	0.02	0.15
(3,1480)	1:A:153:VAL:HG21	1:A:147:SER:HA	2	0.15	0.02	0.15
(3,1480)	1:A:153:VAL:HG21	1:A:154:LEU:HA	2	0.15	0.02	0.15
(3,1480)	1:A:153:VAL:HG21	1:B:154:LEU:HA	2	0.15	0.02	0.15
(3,1480)	1:A:153:VAL:HG22	1:A:147:SER:HA	2	0.15	0.02	0.15
(3,1480)	1:A:153:VAL:HG22	1:A:154:LEU:HA	2	0.15	0.02	0.15
(3,1480)	1:A:153:VAL:HG22	1:B:154:LEU:HA	2	0.15	0.02	0.15
(3,1480)	1:A:153:VAL:HG23	1:A:147:SER:HA	2	0.15	0.02	0.15
(3,1480)	1:A:153:VAL:HG23	1:A:154:LEU:HA	2	0.15	0.02	0.15
(3,1480)	1:A:153:VAL:HG23	1:B:154:LEU:HA	2	0.15	0.02	0.15
(3,1480)	1:A:154:LEU:HG	1:A:147:SER:HA	2	0.15	0.02	0.15
(3,1480)	1:A:154:LEU:HG	1:A:154:LEU:HA	2	0.15	0.02	0.15
(3,1480)	1:A:154:LEU:HG	1:B:154:LEU:HA	2	0.15	0.02	0.15
(3,1480)	1:B:153:VAL:HG11	1:A:147:SER:HA	2	0.15	0.02	0.15
(3,1480)	1:B:153:VAL:HG11	1:A:154:LEU:HA	2	0.15	0.02	0.15
(3,1480)	1:B:153:VAL:HG11	1:B:154:LEU:HA	2	0.15	0.02	0.15
(3,1480)	1:B:154:LEU:HG	1:A:147:SER:HA	2	0.15	0.02	0.15
(3,1480)	1:B:154:LEU:HG	1:A:154:LEU:HA	2	0.15	0.02	0.15
(3,1480)	1:B:154:LEU:HG	1:B:154:LEU:HA	2	0.15	0.02	0.15
(3,1152)	1:A:157:ARG:HB2	1:A:160:LEU:H	2	0.14	0.02	0.14
(3,1152)	1:A:157:ARG:HB2	1:B:160:LEU:H	2	0.14	0.02	0.14
(3,1152)	1:A:158:GLU:HG3	1:A:160:LEU:H	2	0.14	0.02	0.14
(3,1152)	1:A:158:GLU:HG3	1:B:160:LEU:H	2	0.14	0.02	0.14
(3,1152)	1:A:163:GLN:HB2	1:A:160:LEU:H	2	0.14	0.02	0.14
(3,1152)	1:A:163:GLN:HB2	1:B:160:LEU:H	2	0.14	0.02	0.14
(3,1152)	1:B:157:ARG:HB2	1:A:160:LEU:H	2	0.14	0.02	0.14
(3,1152)	1:B:157:ARG:HB2	1:B:160:LEU:H	2	0.14	0.02	0.14
(3,1152)	1:B:158:GLU:HG3	1:A:160:LEU:H	2	0.14	0.02	0.14
(3,1152)	1:B:158:GLU:HG3	1:B:160:LEU:H	2	0.14	0.02	0.14
(1,163)	1:B:177:ALA:H	1:B:179:HIS:HB2	2	0.14	0.01	0.14
(1,163)	1:B:177:ALA:H	1:B:179:HIS:HB3	2	0.14	0.01	0.14
(3,656)	1:B:176:ASP:HB3	1:B:173:GLU:HA	2	0.14	0.02	0.14
(3,867)	1:A:187:TYR:HB2	1:A:187:TYR:H	2	0.14	0.01	0.14
(3,867)	1:A:187:TYR:HB2	1:B:187:TYR:H	2	0.14	0.01	0.14
(3,867)	1:B:187:TYR:HB2	1:A:187:TYR:H	2	0.14	0.01	0.14
(3,867)	1:B:187:TYR:HB2	1:B:187:TYR:H	2	0.14	0.01	0.14
(3,575)	1:A:149:LYS:HG2	1:A:149:LYS:HE2	2	0.13	0.02	0.13
(3,575)	1:A:149:LYS:HG2	1:A:149:LYS:HE3	2	0.13	0.02	0.13
(3,575)	1:A:149:LYS:HG3	1:A:149:LYS:HE2	2	0.13	0.02	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,575)	1:A:149:LYS:HG3	1:A:149:LYS:HE3	2	0.13	0.02	0.13
(3,750)	1:A:207:ILE:HG21	1:B:209:LYS:HD2	2	0.13	0.01	0.13
(3,750)	1:A:207:ILE:HG21	1:B:209:LYS:HD3	2	0.13	0.01	0.13
(3,750)	1:A:207:ILE:HG22	1:B:209:LYS:HD2	2	0.13	0.01	0.13
(3,750)	1:A:207:ILE:HG22	1:B:209:LYS:HD3	2	0.13	0.01	0.13
(3,750)	1:A:207:ILE:HG23	1:B:209:LYS:HD2	2	0.13	0.01	0.13
(3,750)	1:A:207:ILE:HG23	1:B:209:LYS:HD3	2	0.13	0.01	0.13
(1,913)	1:B:191:SER:H	1:B:195:LYS:HB2	2	0.12	0.02	0.12
(1,913)	1:B:191:SER:H	1:B:195:LYS:HB3	2	0.12	0.02	0.12
(3,458)	1:B:174:ILE:HA	1:B:177:ALA:HB1	2	0.12	0.01	0.12
(3,458)	1:B:174:ILE:HA	1:B:177:ALA:HB3	2	0.12	0.01	0.12
(3,506)	1:B:201:ARG:HD2	1:B:201:ARG:HB2	2	0.12	0.01	0.12
(3,506)	1:B:201:ARG:HD2	1:B:201:ARG:HB3	2	0.12	0.01	0.12
(3,506)	1:B:201:ARG:HD3	1:B:201:ARG:HB2	2	0.12	0.01	0.12
(3,506)	1:B:201:ARG:HD3	1:B:201:ARG:HB3	2	0.12	0.01	0.12
(3,954)	1:A:176:ASP:HB2	1:A:176:ASP:H	2	0.12	0.02	0.12
(3,954)	1:A:176:ASP:HB2	1:B:176:ASP:H	2	0.12	0.02	0.12
(3,954)	1:B:176:ASP:HB2	1:A:176:ASP:H	2	0.12	0.02	0.12
(3,954)	1:B:176:ASP:HB2	1:B:176:ASP:H	2	0.12	0.02	0.12
(1,460)	1:A:146:SER:H	1:A:149:LYS:HA	2	0.12	0.01	0.12
(1,932)	1:B:199:GLY:H	1:B:204:ALA:HA	2	0.12	0.01	0.12
(2,6)	1:A:156:PRO:O	1:A:160:LEU:H	2	0.12	0.01	0.12
(3,305)	1:B:170:THR:H	1:B:173:GLU:HG2	2	0.12	0.0	0.12
(3,505)	1:A:201:ARG:HD2	1:A:201:ARG:HB2	2	0.12	0.0	0.12
(3,505)	1:A:201:ARG:HD2	1:A:201:ARG:HB3	2	0.12	0.0	0.12
(3,505)	1:A:201:ARG:HD3	1:A:201:ARG:HB2	2	0.12	0.0	0.12
(3,505)	1:A:201:ARG:HD3	1:A:201:ARG:HB3	2	0.12	0.0	0.12
(3,1270)	1:A:153:VAL:HB	1:A:150:GLU:H	2	0.12	0.01	0.12
(3,1270)	1:A:153:VAL:HB	1:A:165:VAL:H	2	0.12	0.01	0.12
(3,1270)	1:A:153:VAL:HB	1:B:150:GLU:H	2	0.12	0.01	0.12
(3,1270)	1:A:153:VAL:HB	1:B:165:VAL:H	2	0.12	0.01	0.12
(3,1270)	1:A:164:GLU:HB3	1:A:150:GLU:H	2	0.12	0.01	0.12
(3,1270)	1:A:164:GLU:HB3	1:A:165:VAL:H	2	0.12	0.01	0.12
(3,1270)	1:A:164:GLU:HB3	1:B:150:GLU:H	2	0.12	0.01	0.12
(3,1270)	1:A:164:GLU:HB3	1:B:165:VAL:H	2	0.12	0.01	0.12
(3,1270)	1:B:153:VAL:HB	1:A:150:GLU:H	2	0.12	0.01	0.12
(3,1270)	1:B:153:VAL:HB	1:A:165:VAL:H	2	0.12	0.01	0.12
(3,1270)	1:B:153:VAL:HB	1:B:150:GLU:H	2	0.12	0.01	0.12
(3,1270)	1:B:153:VAL:HB	1:B:165:VAL:H	2	0.12	0.01	0.12
(3,1270)	1:B:164:GLU:HB3	1:A:150:GLU:H	2	0.12	0.01	0.12
(3,1270)	1:B:164:GLU:HB3	1:A:165:VAL:H	2	0.12	0.01	0.12
(3,1270)	1:B:164:GLU:HB3	1:B:150:GLU:H	2	0.12	0.01	0.12

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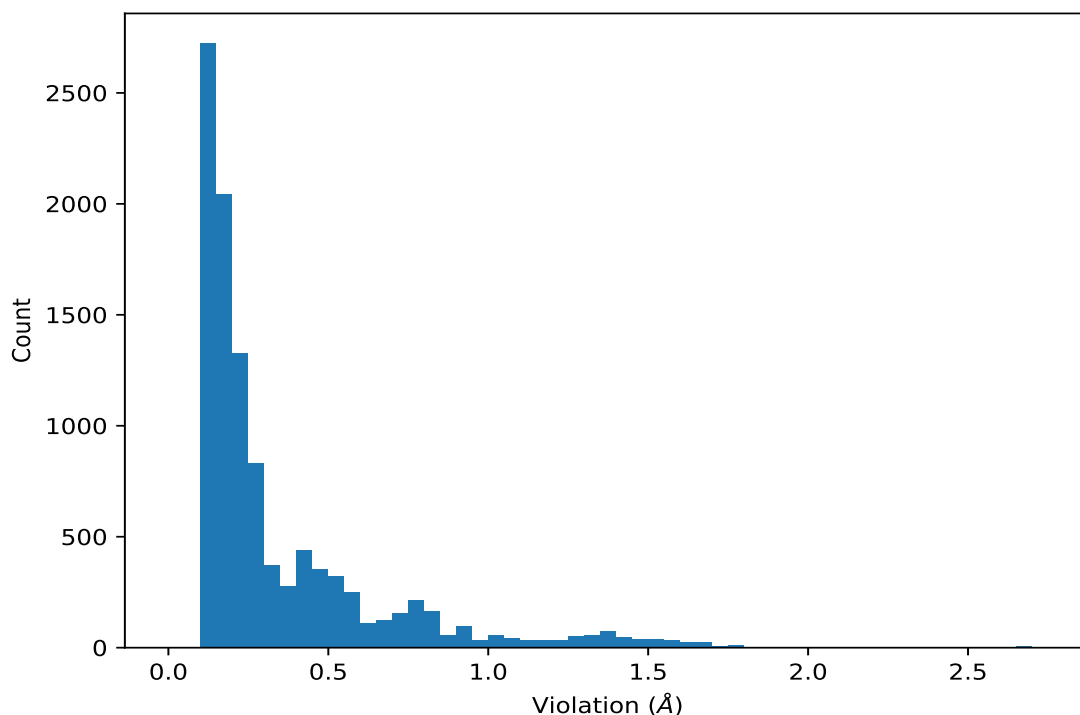
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1270)	1:B:164:GLU:HB3	1:B:165:VAL:H	2	0.12	0.01	0.12
(3,1270)	1:B:166:GLU:HG3	1:A:150:GLU:H	2	0.12	0.01	0.12
(3,1270)	1:B:166:GLU:HG3	1:A:165:VAL:H	2	0.12	0.01	0.12
(3,1270)	1:B:166:GLU:HG3	1:B:150:GLU:H	2	0.12	0.01	0.12
(3,1270)	1:B:166:GLU:HG3	1:B:165:VAL:H	2	0.12	0.01	0.12
(1,517)	1:A:191:SER:H	1:A:186:GLU:HA	2	0.12	0.0	0.12
(1,931)	1:A:199:GLY:H	1:A:204:ALA:HA	2	0.12	0.0	0.12
(1,1092)	1:B:166:GLU:H	1:B:167:LYS:HD2	2	0.12	0.0	0.12
(1,1092)	1:B:166:GLU:H	1:B:167:LYS:HD3	2	0.12	0.0	0.12
(3,694)	1:B:189:LEU:HD11	1:B:201:ARG:HB2	2	0.12	0.0	0.12
(3,694)	1:B:189:LEU:HD12	1:B:201:ARG:HB2	2	0.12	0.0	0.12
(3,694)	1:B:189:LEU:HD13	1:B:201:ARG:HB2	2	0.12	0.0	0.12
(3,1323)	1:A:187:TYR:HA	1:A:190:THR:H	2	0.12	0.0	0.12
(3,1323)	1:A:187:TYR:HA	1:B:190:THR:H	2	0.12	0.0	0.12
(3,1323)	1:B:187:TYR:HA	1:A:190:THR:H	2	0.12	0.0	0.12
(3,1323)	1:B:187:TYR:HA	1:B:190:THR:H	2	0.12	0.0	0.12
(3,1323)	1:B:188:SER:HA	1:A:190:THR:H	2	0.12	0.0	0.12
(3,1323)	1:B:188:SER:HA	1:B:190:THR:H	2	0.12	0.0	0.12
(1,1076)	1:B:165:VAL:H	1:B:170:THR:HA	2	0.11	0.0	0.11
(3,152)	1:A:203:GLU:H	1:A:203:GLU:HB2	2	0.11	0.0	0.11
(3,191)	1:B:204:ALA:H	1:B:204:ALA:HB2	2	0.11	0.0	0.11
(3,191)	1:B:204:ALA:H	1:B:204:ALA:HB3	2	0.11	0.0	0.11

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

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

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



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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,643)	1:A:167:LYS:HE2	1:A:167:LYS:HB3	5	2.71
(3,643)	1:A:167:LYS:HE2	1:A:167:LYS:HB3	6	2.7
(3,643)	1:A:167:LYS:HE2	1:A:167:LYS:HB3	1	2.68
(3,643)	1:A:167:LYS:HE2	1:A:167:LYS:HB3	2	2.68
(3,643)	1:A:167:LYS:HE2	1:A:167:LYS:HB3	3	2.68
(3,643)	1:A:167:LYS:HE2	1:A:167:LYS:HB3	4	2.68
(3,643)	1:A:167:LYS:HE2	1:A:167:LYS:HB3	7	2.68
(3,643)	1:A:167:LYS:HE2	1:A:167:LYS:HB3	8	2.68
(3,643)	1:A:167:LYS:HE2	1:A:167:LYS:HB3	10	2.68
(3,643)	1:A:167:LYS:HE2	1:A:167:LYS:HB3	9	2.66
(3,650)	1:A:175:ALA:HA	1:A:180:LEU:HB3	2	1.84
(3,54)	1:A:167:LYS:H	1:A:166:GLU:HG2	9	1.81
(3,54)	1:A:167:LYS:H	1:A:166:GLU:HG2	7	1.8
(3,54)	1:A:167:LYS:H	1:A:166:GLU:HG2	8	1.79
(3,650)	1:A:175:ALA:HA	1:A:180:LEU:HB3	4	1.78
(3,650)	1:A:175:ALA:HA	1:A:180:LEU:HB3	9	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,650)	1:A:175:ALA:HA	1:A:180:LEU:HB3	7	1.76
(3,650)	1:A:175:ALA:HA	1:A:180:LEU:HB3	8	1.76
(3,54)	1:A:167:LYS:H	1:A:166:GLU:HG2	5	1.76
(3,650)	1:A:175:ALA:HA	1:A:180:LEU:HB3	3	1.75
(3,650)	1:A:175:ALA:HA	1:A:180:LEU:HB3	5	1.75
(3,650)	1:A:175:ALA:HA	1:A:180:LEU:HB3	6	1.75
(3,54)	1:A:167:LYS:H	1:A:166:GLU:HG2	4	1.75
(3,54)	1:A:167:LYS:H	1:A:166:GLU:HG2	10	1.75
(3,54)	1:A:167:LYS:H	1:A:166:GLU:HG2	1	1.74
(3,54)	1:A:167:LYS:H	1:A:166:GLU:HG2	2	1.74
(3,391)	1:A:184:SER:H	1:A:183:ARG:HD2	10	1.73
(3,650)	1:A:175:ALA:HA	1:A:180:LEU:HB3	1	1.71
(3,515)	1:B:209:LYS:HE2	1:A:209:LYS:HB2	4	1.71
(3,515)	1:B:209:LYS:HE3	1:A:209:LYS:HB2	4	1.71
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG2	1	1.7
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG3	1	1.7
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG2	6	1.7
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG3	6	1.7
(3,391)	1:A:184:SER:H	1:A:183:ARG:HD2	5	1.69
(3,650)	1:A:175:ALA:HA	1:A:180:LEU:HB3	10	1.68
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG2	7	1.68
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG3	7	1.68
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG2	8	1.68
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG3	8	1.68
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG2	9	1.68
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG3	9	1.68
(3,54)	1:A:167:LYS:H	1:A:166:GLU:HG2	3	1.68
(3,391)	1:A:184:SER:H	1:A:183:ARG:HD2	7	1.68
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG2	3	1.67
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG3	3	1.67
(3,515)	1:B:209:LYS:HE2	1:A:209:LYS:HB2	6	1.67
(3,515)	1:B:209:LYS:HE3	1:A:209:LYS:HB2	6	1.67
(3,768)	1:A:173:GLU:HG2	1:A:174:ILE:HA	8	1.66
(3,54)	1:A:167:LYS:H	1:A:166:GLU:HG2	6	1.66
(3,515)	1:B:209:LYS:HE2	1:A:209:LYS:HB2	2	1.66
(3,515)	1:B:209:LYS:HE3	1:A:209:LYS:HB2	2	1.66
(3,511)	1:A:167:LYS:HE2	1:A:164:GLU:HA	2	1.66
(3,768)	1:A:173:GLU:HG2	1:A:174:ILE:HA	4	1.65
(3,768)	1:A:173:GLU:HG2	1:A:174:ILE:HA	7	1.65
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG2	10	1.65
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG3	10	1.65
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG2	2	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG3	2	1.64
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG2	5	1.64
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG3	5	1.64
(3,515)	1:B:209:LYS:HE2	1:A:209:LYS:HB2	3	1.64
(3,515)	1:B:209:LYS:HE3	1:A:209:LYS:HB2	3	1.64
(3,515)	1:B:209:LYS:HE2	1:A:209:LYS:HB2	5	1.64
(3,515)	1:B:209:LYS:HE3	1:A:209:LYS:HB2	5	1.64
(3,511)	1:A:167:LYS:HE2	1:A:164:GLU:HA	3	1.63
(3,391)	1:A:184:SER:H	1:A:183:ARG:HD2	6	1.63
(3,768)	1:A:173:GLU:HG2	1:A:174:ILE:HA	1	1.62
(3,768)	1:A:173:GLU:HG2	1:A:174:ILE:HA	10	1.61
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG2	4	1.61
(3,629)	1:A:164:GLU:HG3	1:A:163:GLN:HG3	4	1.61
(3,768)	1:A:173:GLU:HG2	1:A:174:ILE:HA	3	1.6
(3,768)	1:A:173:GLU:HG2	1:A:174:ILE:HA	6	1.6
(3,515)	1:B:209:LYS:HE2	1:A:209:LYS:HB2	1	1.6
(3,515)	1:B:209:LYS:HE3	1:A:209:LYS:HB2	1	1.6
(3,515)	1:B:209:LYS:HE2	1:A:209:LYS:HB2	7	1.6
(3,515)	1:B:209:LYS:HE3	1:A:209:LYS:HB2	7	1.6
(3,511)	1:A:167:LYS:HE2	1:A:164:GLU:HA	5	1.6
(3,511)	1:A:167:LYS:HE2	1:A:164:GLU:HA	9	1.6
(3,451)	1:A:192:ILE:HA	1:A:195:LYS:HB3	6	1.6
(3,583)	1:A:213:VAL:HG21	1:A:211:ASP:HB2	5	1.59
(3,583)	1:A:213:VAL:HG22	1:A:211:ASP:HB2	5	1.59
(3,583)	1:A:213:VAL:HG23	1:A:211:ASP:HB2	5	1.59
(3,511)	1:A:167:LYS:HE2	1:A:164:GLU:HA	7	1.59
(3,391)	1:A:184:SER:H	1:A:183:ARG:HD2	9	1.59
(3,648)	1:A:174:ILE:HA	1:A:164:GLU:HG2	9	1.58
(3,583)	1:A:213:VAL:HG21	1:A:211:ASP:HB2	3	1.58
(3,583)	1:A:213:VAL:HG22	1:A:211:ASP:HB2	3	1.58
(3,583)	1:A:213:VAL:HG23	1:A:211:ASP:HB2	3	1.58
(3,511)	1:A:167:LYS:HE2	1:A:164:GLU:HA	4	1.58
(3,391)	1:A:184:SER:H	1:A:183:ARG:HD2	8	1.58
(3,515)	1:B:209:LYS:HE2	1:A:209:LYS:HB2	9	1.57
(3,515)	1:B:209:LYS:HE3	1:A:209:LYS:HB2	9	1.57
(3,515)	1:B:209:LYS:HE2	1:A:209:LYS:HB2	10	1.57
(3,515)	1:B:209:LYS:HE3	1:A:209:LYS:HB2	10	1.57
(3,511)	1:A:167:LYS:HE2	1:A:164:GLU:HA	6	1.57
(1,248)	1:A:152:ASP:H	1:A:159:CYS:HB3	8	1.57
(3,768)	1:A:173:GLU:HG2	1:A:174:ILE:HA	2	1.56
(3,768)	1:A:173:GLU:HG2	1:A:174:ILE:HA	5	1.56
(3,648)	1:A:174:ILE:HA	1:A:164:GLU:HG2	5	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,511)	1:A:167:LYS:HE2	1:A:164:GLU:HA	8	1.56
(1,248)	1:A:152:ASP:H	1:A:159:CYS:HB3	9	1.56
(3,648)	1:A:174:ILE:HA	1:A:164:GLU:HG2	2	1.55
(3,583)	1:A:213:VAL:HG21	1:A:211:ASP:HB2	7	1.55
(3,583)	1:A:213:VAL:HG22	1:A:211:ASP:HB2	7	1.55
(3,583)	1:A:213:VAL:HG23	1:A:211:ASP:HB2	7	1.55
(3,515)	1:B:209:LYS:HE2	1:A:209:LYS:HB2	8	1.55
(3,515)	1:B:209:LYS:HE3	1:A:209:LYS:HB2	8	1.55
(3,434)	1:A:211:ASP:HB2	1:A:213:VAL:H	10	1.55
(3,265)	1:B:157:ARG:H	1:B:156:PRO:HB3	2	1.55
(3,220)	1:A:158:GLU:H	1:A:157:ARG:HB2	1	1.55
(3,111)	1:A:175:ALA:H	1:A:185:ILE:HG13	1	1.55
(3,111)	1:A:175:ALA:H	1:A:185:ILE:HG13	5	1.55
(3,111)	1:A:175:ALA:H	1:A:185:ILE:HG13	6	1.55
(3,111)	1:A:175:ALA:H	1:A:185:ILE:HG13	10	1.55
(3,76)	1:A:199:GLY:H	1:A:203:GLU:HG2	2	1.54
(3,648)	1:A:174:ILE:HA	1:A:164:GLU:HG2	6	1.54
(3,583)	1:A:213:VAL:HG21	1:A:211:ASP:HB2	2	1.54
(3,583)	1:A:213:VAL:HG22	1:A:211:ASP:HB2	2	1.54
(3,583)	1:A:213:VAL:HG23	1:A:211:ASP:HB2	2	1.54
(3,583)	1:A:213:VAL:HG21	1:A:211:ASP:HB2	4	1.54
(3,583)	1:A:213:VAL:HG22	1:A:211:ASP:HB2	4	1.54
(3,583)	1:A:213:VAL:HG23	1:A:211:ASP:HB2	4	1.54
(3,252)	1:A:164:GLU:H	1:A:164:GLU:HG3	2	1.54
(3,252)	1:A:164:GLU:H	1:A:164:GLU:HG3	3	1.54
(3,252)	1:A:164:GLU:H	1:A:164:GLU:HG3	7	1.54
(3,252)	1:A:164:GLU:H	1:A:164:GLU:HG3	8	1.54
(3,252)	1:A:164:GLU:H	1:A:164:GLU:HG3	9	1.54
(3,220)	1:A:158:GLU:H	1:A:157:ARG:HB2	7	1.54
(3,111)	1:A:175:ALA:H	1:A:185:ILE:HG13	4	1.54
(3,636)	1:A:166:GLU:HG3	1:A:162:LEU:HG	3	1.53
(3,511)	1:A:167:LYS:HE2	1:A:164:GLU:HA	10	1.53
(3,391)	1:A:184:SER:H	1:A:183:ARG:HD2	3	1.53
(3,252)	1:A:164:GLU:H	1:A:164:GLU:HG3	6	1.53
(3,252)	1:A:164:GLU:H	1:A:164:GLU:HG3	10	1.53
(3,111)	1:A:175:ALA:H	1:A:185:ILE:HG13	7	1.53
(1,248)	1:A:152:ASP:H	1:A:159:CYS:HB3	4	1.53
(3,648)	1:A:174:ILE:HA	1:A:164:GLU:HG2	7	1.52
(3,252)	1:A:164:GLU:H	1:A:164:GLU:HG3	5	1.52
(3,220)	1:A:158:GLU:H	1:A:157:ARG:HB2	2	1.52
(3,220)	1:A:158:GLU:H	1:A:157:ARG:HB2	3	1.52
(3,220)	1:A:158:GLU:H	1:A:157:ARG:HB2	10	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,648)	1:A:174:ILE:HA	1:A:164:GLU:HG2	1	1.51
(3,583)	1:A:213:VAL:HG21	1:A:211:ASP:HB2	9	1.51
(3,583)	1:A:213:VAL:HG22	1:A:211:ASP:HB2	9	1.51
(3,583)	1:A:213:VAL:HG23	1:A:211:ASP:HB2	9	1.51
(3,252)	1:A:164:GLU:H	1:A:164:GLU:HG3	4	1.51
(3,220)	1:A:158:GLU:H	1:A:157:ARG:HB2	5	1.51
(3,111)	1:A:175:ALA:H	1:A:185:ILE:HG13	3	1.51
(3,111)	1:A:175:ALA:H	1:A:185:ILE:HG13	8	1.51
(3,111)	1:A:175:ALA:H	1:A:185:ILE:HG13	9	1.51
(3,76)	1:A:199:GLY:H	1:A:203:GLU:HG2	8	1.5
(3,648)	1:A:174:ILE:HA	1:A:164:GLU:HG2	8	1.5
(3,265)	1:B:157:ARG:H	1:B:156:PRO:HB3	8	1.5
(1,248)	1:A:152:ASP:H	1:A:159:CYS:HB3	6	1.5
(3,76)	1:A:199:GLY:H	1:A:203:GLU:HG2	3	1.49
(3,648)	1:A:174:ILE:HA	1:A:164:GLU:HG2	3	1.49
(3,648)	1:A:174:ILE:HA	1:A:164:GLU:HG2	4	1.49
(3,511)	1:A:167:LYS:HE2	1:A:164:GLU:HA	1	1.49
(3,252)	1:A:164:GLU:H	1:A:164:GLU:HG3	1	1.49
(3,220)	1:A:158:GLU:H	1:A:157:ARG:HB2	4	1.49
(3,220)	1:A:158:GLU:H	1:A:157:ARG:HB2	6	1.49
(1,248)	1:A:152:ASP:H	1:A:159:CYS:HB3	3	1.49
(3,91)	1:A:207:ILE:H	1:A:206:LEU:HB2	6	1.48
(3,76)	1:A:199:GLY:H	1:A:203:GLU:HG2	6	1.48
(3,76)	1:A:199:GLY:H	1:A:203:GLU:HG2	10	1.48
(3,693)	1:A:189:LEU:HD11	1:A:201:ARG:HB3	2	1.48
(3,693)	1:A:189:LEU:HD12	1:A:201:ARG:HB3	2	1.48
(3,693)	1:A:189:LEU:HD13	1:A:201:ARG:HB3	2	1.48
(3,648)	1:A:174:ILE:HA	1:A:164:GLU:HG2	10	1.48
(3,466)	1:B:210:SER:HA	1:A:209:LYS:HD2	10	1.48
(3,391)	1:A:184:SER:H	1:A:183:ARG:HD2	4	1.48
(3,265)	1:B:157:ARG:H	1:B:156:PRO:HB3	9	1.48
(3,111)	1:A:175:ALA:H	1:A:185:ILE:HG13	2	1.48
(3,91)	1:A:207:ILE:H	1:A:206:LEU:HB2	2	1.47
(3,91)	1:A:207:ILE:H	1:A:206:LEU:HB2	4	1.47
(3,91)	1:A:207:ILE:H	1:A:206:LEU:HB2	5	1.47
(3,91)	1:A:207:ILE:H	1:A:206:LEU:HB2	7	1.47
(3,768)	1:A:173:GLU:HG2	1:A:174:ILE:HA	9	1.47
(3,76)	1:A:199:GLY:H	1:A:203:GLU:HG2	4	1.47
(3,693)	1:A:189:LEU:HD11	1:A:201:ARG:HB3	4	1.47
(3,693)	1:A:189:LEU:HD12	1:A:201:ARG:HB3	4	1.47
(3,693)	1:A:189:LEU:HD13	1:A:201:ARG:HB3	4	1.47
(3,693)	1:A:189:LEU:HD11	1:A:201:ARG:HB3	10	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,693)	1:A:189:LEU:HD12	1:A:201:ARG:HB3	10	1.47
(3,693)	1:A:189:LEU:HD13	1:A:201:ARG:HB3	10	1.47
(3,220)	1:A:158:GLU:H	1:A:157:ARG:HB2	9	1.47
(3,91)	1:A:207:ILE:H	1:A:206:LEU:HB2	1	1.46
(3,91)	1:A:207:ILE:H	1:A:206:LEU:HB2	9	1.46
(3,91)	1:A:207:ILE:H	1:A:206:LEU:HB2	10	1.46
(3,76)	1:A:199:GLY:H	1:A:203:GLU:HG2	1	1.46
(3,583)	1:A:213:VAL:HG21	1:A:211:ASP:HB2	6	1.46
(3,583)	1:A:213:VAL:HG22	1:A:211:ASP:HB2	6	1.46
(3,583)	1:A:213:VAL:HG23	1:A:211:ASP:HB2	6	1.46
(3,265)	1:B:157:ARG:H	1:B:156:PRO:HB3	7	1.46
(3,91)	1:A:207:ILE:H	1:A:206:LEU:HB2	3	1.45
(3,91)	1:A:207:ILE:H	1:A:206:LEU:HB2	8	1.45
(3,693)	1:A:189:LEU:HD11	1:A:201:ARG:HB3	9	1.45
(3,693)	1:A:189:LEU:HD12	1:A:201:ARG:HB3	9	1.45
(3,693)	1:A:189:LEU:HD13	1:A:201:ARG:HB3	9	1.45
(3,583)	1:A:213:VAL:HG21	1:A:211:ASP:HB2	8	1.45
(3,583)	1:A:213:VAL:HG22	1:A:211:ASP:HB2	8	1.45
(3,583)	1:A:213:VAL:HG23	1:A:211:ASP:HB2	8	1.45
(3,265)	1:B:157:ARG:H	1:B:156:PRO:HB3	1	1.45
(3,265)	1:B:157:ARG:H	1:B:156:PRO:HB3	3	1.45
(3,265)	1:B:157:ARG:H	1:B:156:PRO:HB3	4	1.45
(3,265)	1:B:157:ARG:H	1:B:156:PRO:HB3	5	1.45
(3,76)	1:A:199:GLY:H	1:A:203:GLU:HG2	7	1.44
(3,693)	1:A:189:LEU:HD11	1:A:201:ARG:HB3	3	1.44
(3,693)	1:A:189:LEU:HD12	1:A:201:ARG:HB3	3	1.44
(3,693)	1:A:189:LEU:HD13	1:A:201:ARG:HB3	3	1.44
(3,693)	1:A:189:LEU:HD11	1:A:201:ARG:HB3	8	1.44
(3,693)	1:A:189:LEU:HD12	1:A:201:ARG:HB3	8	1.44
(3,693)	1:A:189:LEU:HD13	1:A:201:ARG:HB3	8	1.44
(3,658)	1:A:177:ALA:HB1	1:A:164:GLU:HG2	10	1.44
(3,658)	1:A:177:ALA:HB2	1:A:164:GLU:HG2	10	1.44
(3,658)	1:A:177:ALA:HB3	1:A:164:GLU:HG2	10	1.44
(3,636)	1:A:166:GLU:HG3	1:A:162:LEU:HG	9	1.44
(3,46)	1:A:210:SER:H	1:A:209:LYS:HB2	2	1.44
(3,46)	1:A:210:SER:H	1:A:209:LYS:HB2	4	1.44
(3,46)	1:A:210:SER:H	1:A:209:LYS:HB2	5	1.44
(3,46)	1:A:210:SER:H	1:A:209:LYS:HB2	8	1.44
(3,304)	1:A:170:THR:H	1:A:173:GLU:HG3	9	1.44
(3,220)	1:A:158:GLU:H	1:A:157:ARG:HB2	8	1.44
(3,143)	1:A:149:LYS:H	1:A:149:LYS:HB3	3	1.44
(3,693)	1:A:189:LEU:HD11	1:A:201:ARG:HB3	5	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,693)	1:A:189:LEU:HD12	1:A:201:ARG:HB3	5	1.43
(3,693)	1:A:189:LEU:HD13	1:A:201:ARG:HB3	5	1.43
(3,658)	1:A:177:ALA:HB1	1:A:164:GLU:HG2	6	1.43
(3,658)	1:A:177:ALA:HB2	1:A:164:GLU:HG2	6	1.43
(3,658)	1:A:177:ALA:HB3	1:A:164:GLU:HG2	6	1.43
(3,46)	1:A:210:SER:H	1:A:209:LYS:HB2	3	1.43
(3,46)	1:A:210:SER:H	1:A:209:LYS:HB2	10	1.43
(3,434)	1:A:211:ASP:HB2	1:A:213:VAL:H	5	1.43
(3,265)	1:B:157:ARG:H	1:B:156:PRO:HB3	6	1.43
(3,265)	1:B:157:ARG:H	1:B:156:PRO:HB3	10	1.43
(1,1064)	1:A:185:ILE:H	1:A:171:ASN:HB3	9	1.43
(3,76)	1:A:199:GLY:H	1:A:203:GLU:HG2	5	1.41
(3,658)	1:A:177:ALA:HB1	1:A:164:GLU:HG2	2	1.41
(3,658)	1:A:177:ALA:HB2	1:A:164:GLU:HG2	2	1.41
(3,658)	1:A:177:ALA:HB3	1:A:164:GLU:HG2	2	1.41
(3,435)	1:A:201:ARG:HB2	1:A:202:THR:H	2	1.41
(3,76)	1:A:199:GLY:H	1:A:203:GLU:HG2	9	1.4
(3,693)	1:A:189:LEU:HD11	1:A:201:ARG:HB3	6	1.4
(3,693)	1:A:189:LEU:HD12	1:A:201:ARG:HB3	6	1.4
(3,693)	1:A:189:LEU:HD13	1:A:201:ARG:HB3	6	1.4
(3,693)	1:A:189:LEU:HD11	1:A:201:ARG:HB3	7	1.4
(3,693)	1:A:189:LEU:HD12	1:A:201:ARG:HB3	7	1.4
(3,693)	1:A:189:LEU:HD13	1:A:201:ARG:HB3	7	1.4
(3,658)	1:A:177:ALA:HB1	1:A:164:GLU:HG2	8	1.4
(3,658)	1:A:177:ALA:HB2	1:A:164:GLU:HG2	8	1.4
(3,658)	1:A:177:ALA:HB3	1:A:164:GLU:HG2	8	1.4
(3,563)	1:A:157:ARG:HG2	1:A:157:ARG:HA	8	1.4
(3,46)	1:A:210:SER:H	1:A:209:LYS:HB2	1	1.4
(3,46)	1:A:210:SER:H	1:A:209:LYS:HB2	7	1.4
(3,435)	1:A:201:ARG:HB2	1:A:202:THR:H	4	1.4
(3,434)	1:A:211:ASP:HB2	1:A:213:VAL:H	8	1.4
(1,248)	1:A:152:ASP:H	1:A:159:CYS:HB3	10	1.4
(3,693)	1:A:189:LEU:HD11	1:A:201:ARG:HB3	1	1.39
(3,693)	1:A:189:LEU:HD12	1:A:201:ARG:HB3	1	1.39
(3,693)	1:A:189:LEU:HD13	1:A:201:ARG:HB3	1	1.39
(3,658)	1:A:177:ALA:HB1	1:A:164:GLU:HG2	5	1.39
(3,658)	1:A:177:ALA:HB2	1:A:164:GLU:HG2	5	1.39
(3,658)	1:A:177:ALA:HB3	1:A:164:GLU:HG2	5	1.39
(3,583)	1:A:213:VAL:HG21	1:A:211:ASP:HB2	10	1.39
(3,583)	1:A:213:VAL:HG22	1:A:211:ASP:HB2	10	1.39
(3,583)	1:A:213:VAL:HG23	1:A:211:ASP:HB2	10	1.39
(3,466)	1:B:210:SER:HA	1:A:209:LYS:HD2	7	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,46)	1:A:210:SER:H	1:A:209:LYS:HB2	9	1.39
(1,248)	1:A:152:ASP:H	1:A:159:CYS:HB3	1	1.39
(1,248)	1:A:152:ASP:H	1:A:159:CYS:HB3	2	1.39
(3,636)	1:A:166:GLU:HG3	1:A:162:LEU:HG	6	1.38
(3,636)	1:A:166:GLU:HG3	1:A:162:LEU:HG	7	1.38
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD21	1	1.38
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD22	1	1.38
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD23	1	1.38
(3,466)	1:B:210:SER:HA	1:A:209:LYS:HD2	5	1.38
(3,46)	1:A:210:SER:H	1:A:209:LYS:HB2	6	1.38
(3,445)	1:A:185:ILE:HG12	1:A:186:GLU:H	2	1.38
(3,435)	1:A:201:ARG:HB2	1:A:202:THR:H	9	1.38
(3,435)	1:A:201:ARG:HB2	1:A:202:THR:H	10	1.38
(3,125)	1:A:149:LYS:H	1:A:148:GLN:HB3	9	1.38
(1,1064)	1:A:185:ILE:H	1:A:171:ASN:HB3	7	1.38
(3,658)	1:A:177:ALA:HB1	1:A:164:GLU:HG2	1	1.37
(3,658)	1:A:177:ALA:HB2	1:A:164:GLU:HG2	1	1.37
(3,658)	1:A:177:ALA:HB3	1:A:164:GLU:HG2	1	1.37
(3,445)	1:A:185:ILE:HG12	1:A:186:GLU:H	3	1.37
(3,435)	1:A:201:ARG:HB2	1:A:202:THR:H	3	1.37
(3,434)	1:A:211:ASP:HB2	1:A:213:VAL:H	3	1.37
(3,434)	1:A:211:ASP:HB2	1:A:213:VAL:H	9	1.37
(3,391)	1:A:184:SER:H	1:A:183:ARG:HD2	2	1.37
(3,21)	1:A:174:ILE:H	1:A:173:GLU:HG2	8	1.37
(3,143)	1:A:149:LYS:H	1:A:149:LYS:HB3	4	1.37
(1,1064)	1:A:185:ILE:H	1:A:171:ASN:HB3	2	1.37
(1,1064)	1:A:185:ILE:H	1:A:171:ASN:HB3	5	1.37
(3,636)	1:A:166:GLU:HG3	1:A:162:LEU:HG	5	1.36
(3,583)	1:A:213:VAL:HG21	1:A:211:ASP:HB2	1	1.36
(3,583)	1:A:213:VAL:HG22	1:A:211:ASP:HB2	1	1.36
(3,583)	1:A:213:VAL:HG23	1:A:211:ASP:HB2	1	1.36
(3,466)	1:B:210:SER:HA	1:A:209:LYS:HD2	3	1.36
(3,466)	1:B:210:SER:HA	1:A:209:LYS:HD2	4	1.36
(3,445)	1:A:185:ILE:HG12	1:A:186:GLU:H	8	1.36
(1,1064)	1:A:185:ILE:H	1:A:171:ASN:HB3	3	1.36
(1,1064)	1:A:185:ILE:H	1:A:171:ASN:HB3	10	1.36
(3,658)	1:A:177:ALA:HB1	1:A:164:GLU:HG2	7	1.35
(3,658)	1:A:177:ALA:HB2	1:A:164:GLU:HG2	7	1.35
(3,658)	1:A:177:ALA:HB3	1:A:164:GLU:HG2	7	1.35
(3,636)	1:A:166:GLU:HG3	1:A:162:LEU:HG	10	1.35
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD21	3	1.35
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD22	3	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD23	3	1.35
(3,467)	1:A:182:LYS:HA	1:A:182:LYS:HD2	10	1.35
(3,445)	1:A:185:ILE:HG12	1:A:186:GLU:H	7	1.35
(3,435)	1:A:201:ARG:HB2	1:A:202:THR:H	5	1.35
(3,3)	1:A:154:LEU:H	1:A:154:LEU:HB3	10	1.35
(3,21)	1:A:174:ILE:H	1:A:173:GLU:HG2	4	1.35
(3,636)	1:A:166:GLU:HG3	1:A:162:LEU:HG	8	1.34
(3,563)	1:A:157:ARG:HG2	1:A:157:ARG:HA	5	1.34
(3,466)	1:B:210:SER:HA	1:A:209:LYS:HD2	6	1.34
(3,445)	1:A:185:ILE:HG12	1:A:186:GLU:H	1	1.34
(3,445)	1:A:185:ILE:HG12	1:A:186:GLU:H	4	1.34
(3,445)	1:A:185:ILE:HG12	1:A:186:GLU:H	9	1.34
(3,445)	1:A:185:ILE:HG12	1:A:186:GLU:H	10	1.34
(3,304)	1:A:170:THR:H	1:A:173:GLU:HG3	2	1.34
(3,3)	1:A:154:LEU:H	1:A:154:LEU:HB3	8	1.34
(3,28)	1:A:172:GLN:H	1:A:172:GLN:HG2	6	1.34
(3,21)	1:A:174:ILE:H	1:A:173:GLU:HG2	1	1.34
(3,21)	1:A:174:ILE:H	1:A:173:GLU:HG2	3	1.34
(3,467)	1:A:182:LYS:HA	1:A:182:LYS:HD2	1	1.33
(3,466)	1:B:210:SER:HA	1:A:209:LYS:HD2	8	1.33
(3,445)	1:A:185:ILE:HG12	1:A:186:GLU:H	5	1.33
(3,445)	1:A:185:ILE:HG12	1:A:186:GLU:H	6	1.33
(3,391)	1:A:184:SER:H	1:A:183:ARG:HD2	1	1.33
(3,304)	1:A:170:THR:H	1:A:173:GLU:HG3	5	1.33
(3,3)	1:A:154:LEU:H	1:A:154:LEU:HB3	1	1.33
(3,3)	1:A:154:LEU:H	1:A:154:LEU:HB3	2	1.33
(3,3)	1:A:154:LEU:H	1:A:154:LEU:HB3	3	1.33
(3,3)	1:A:154:LEU:H	1:A:154:LEU:HB3	4	1.33
(3,3)	1:A:154:LEU:H	1:A:154:LEU:HB3	5	1.33
(3,3)	1:A:154:LEU:H	1:A:154:LEU:HB3	6	1.33
(3,3)	1:A:154:LEU:H	1:A:154:LEU:HB3	7	1.33
(3,206)	1:A:186:GLU:H	1:A:186:GLU:HB2	3	1.33
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB2	1	1.32
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB3	1	1.32
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB2	6	1.32
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB3	6	1.32
(3,466)	1:B:210:SER:HA	1:A:209:LYS:HD2	2	1.32
(3,42)	1:A:183:ARG:H	1:A:183:ARG:HB2	4	1.32
(3,224)	1:A:173:GLU:H	1:A:173:GLU:HB2	2	1.32
(3,21)	1:A:174:ILE:H	1:A:173:GLU:HG2	7	1.32
(3,21)	1:A:174:ILE:H	1:A:173:GLU:HG2	10	1.32
(3,143)	1:A:149:LYS:H	1:A:149:LYS:HB3	9	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,125)	1:A:149:LYS:H	1:A:148:GLN:HB3	8	1.32
(3,658)	1:A:177:ALA:HB1	1:A:164:GLU:HG2	9	1.31
(3,658)	1:A:177:ALA:HB2	1:A:164:GLU:HG2	9	1.31
(3,658)	1:A:177:ALA:HB3	1:A:164:GLU:HG2	9	1.31
(3,636)	1:A:166:GLU:HG3	1:A:162:LEU:HG	2	1.31
(3,466)	1:B:210:SER:HA	1:A:209:LYS:HD2	9	1.31
(3,435)	1:A:201:ARG:HB2	1:A:202:THR:H	8	1.31
(3,434)	1:A:211:ASP:HB2	1:A:213:VAL:H	7	1.31
(3,42)	1:A:183:ARG:H	1:A:183:ARG:HB2	7	1.31
(3,369)	1:A:195:LYS:H	1:A:195:LYS:HB3	6	1.31
(3,304)	1:A:170:THR:H	1:A:173:GLU:HG3	4	1.31
(3,21)	1:A:174:ILE:H	1:A:173:GLU:HG2	5	1.31
(3,206)	1:A:186:GLU:H	1:A:186:GLU:HB2	2	1.31
(3,206)	1:A:186:GLU:H	1:A:186:GLU:HB2	10	1.31
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD21	6	1.3
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD22	6	1.3
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD23	6	1.3
(3,3)	1:A:154:LEU:H	1:A:154:LEU:HB3	9	1.3
(3,206)	1:A:186:GLU:H	1:A:186:GLU:HB2	6	1.3
(3,206)	1:A:186:GLU:H	1:A:186:GLU:HB2	8	1.3
(3,636)	1:A:166:GLU:HG3	1:A:162:LEU:HG	1	1.29
(3,467)	1:A:182:LYS:HA	1:A:182:LYS:HD2	8	1.29
(3,435)	1:A:201:ARG:HB2	1:A:202:THR:H	7	1.29
(3,434)	1:A:211:ASP:HB2	1:A:213:VAL:H	4	1.29
(3,434)	1:A:211:ASP:HB2	1:A:213:VAL:H	6	1.29
(3,304)	1:A:170:THR:H	1:A:173:GLU:HG3	6	1.29
(3,304)	1:A:170:THR:H	1:A:173:GLU:HG3	7	1.29
(3,21)	1:A:174:ILE:H	1:A:173:GLU:HG2	6	1.29
(3,206)	1:A:186:GLU:H	1:A:186:GLU:HB2	9	1.29
(3,125)	1:A:149:LYS:H	1:A:148:GLN:HB3	2	1.29
(1,1064)	1:A:185:ILE:H	1:A:171:ASN:HB3	6	1.29
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB2	8	1.28
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB3	8	1.28
(3,467)	1:A:182:LYS:HA	1:A:182:LYS:HD2	7	1.28
(3,435)	1:A:201:ARG:HB2	1:A:202:THR:H	6	1.28
(3,434)	1:A:211:ASP:HB2	1:A:213:VAL:H	2	1.28
(3,42)	1:A:183:ARG:H	1:A:183:ARG:HB2	8	1.28
(3,304)	1:A:170:THR:H	1:A:173:GLU:HG3	1	1.28
(3,304)	1:A:170:THR:H	1:A:173:GLU:HG3	3	1.28
(3,304)	1:A:170:THR:H	1:A:173:GLU:HG3	10	1.28
(3,28)	1:A:172:GLN:H	1:A:172:GLN:HG2	5	1.28
(3,206)	1:A:186:GLU:H	1:A:186:GLU:HB2	1	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,206)	1:A:186:GLU:H	1:A:186:GLU:HB2	5	1.28
(3,125)	1:A:149:LYS:H	1:A:148:GLN:HB3	1	1.28
(3,467)	1:A:182:LYS:HA	1:A:182:LYS:HD2	2	1.27
(3,467)	1:A:182:LYS:HA	1:A:182:LYS:HD2	4	1.27
(3,28)	1:A:172:GLN:H	1:A:172:GLN:HG2	3	1.27
(3,206)	1:A:186:GLU:H	1:A:186:GLU:HB2	7	1.27
(3,125)	1:A:149:LYS:H	1:A:148:GLN:HB3	4	1.27
(1,1064)	1:A:185:ILE:H	1:A:171:ASN:HB3	4	1.27
(3,744)	1:A:168:GLY:HA3	1:B:203:GLU:HA	7	1.26
(3,636)	1:A:166:GLU:HG3	1:A:162:LEU:HG	4	1.26
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD21	4	1.26
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD22	4	1.26
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD23	4	1.26
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD21	8	1.26
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD22	8	1.26
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD23	8	1.26
(3,224)	1:A:173:GLU:H	1:A:173:GLU:HB2	8	1.26
(3,143)	1:A:149:LYS:H	1:A:149:LYS:HB3	6	1.26
(1,248)	1:A:152:ASP:H	1:A:159:CYS:HB3	5	1.26
(1,1064)	1:A:185:ILE:H	1:A:171:ASN:HB3	8	1.26
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD21	9	1.25
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD22	9	1.25
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD23	9	1.25
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD21	10	1.25
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD22	10	1.25
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD23	10	1.25
(3,467)	1:A:182:LYS:HA	1:A:182:LYS:HD2	9	1.25
(3,435)	1:A:201:ARG:HB2	1:A:202:THR:H	1	1.25
(3,224)	1:A:173:GLU:H	1:A:173:GLU:HB2	7	1.25
(3,224)	1:A:173:GLU:H	1:A:173:GLU:HB2	10	1.25
(1,248)	1:A:152:ASP:H	1:A:159:CYS:HB3	7	1.25
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB2	7	1.24
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB3	7	1.24
(3,611)	1:A:154:LEU:HD21	1:A:195:LYS:HB2	5	1.24
(3,611)	1:A:154:LEU:HD22	1:A:195:LYS:HB2	5	1.24
(3,611)	1:A:154:LEU:HD23	1:A:195:LYS:HB2	5	1.24
(3,557)	1:B:209:LYS:HD2	1:A:209:LYS:HG3	8	1.24
(3,557)	1:B:209:LYS:HD3	1:A:209:LYS:HG3	8	1.24
(3,467)	1:A:182:LYS:HA	1:A:182:LYS:HD2	6	1.24
(3,143)	1:A:149:LYS:H	1:A:149:LYS:HB3	7	1.24
(1,1064)	1:A:185:ILE:H	1:A:171:ASN:HB3	1	1.24
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB2	2	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB3	2	1.23
(3,658)	1:A:177:ALA:HB1	1:A:164:GLU:HG2	3	1.23
(3,658)	1:A:177:ALA:HB2	1:A:164:GLU:HG2	3	1.23
(3,658)	1:A:177:ALA:HB3	1:A:164:GLU:HG2	3	1.23
(3,467)	1:A:182:LYS:HA	1:A:182:LYS:HD2	3	1.23
(3,304)	1:A:170:THR:H	1:A:173:GLU:HG3	8	1.23
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB2	3	1.22
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB3	3	1.22
(3,611)	1:A:154:LEU:HD21	1:A:195:LYS:HB2	1	1.22
(3,611)	1:A:154:LEU:HD22	1:A:195:LYS:HB2	1	1.22
(3,611)	1:A:154:LEU:HD23	1:A:195:LYS:HB2	1	1.22
(3,557)	1:B:209:LYS:HD2	1:A:209:LYS:HG3	7	1.22
(3,557)	1:B:209:LYS:HD3	1:A:209:LYS:HG3	7	1.22
(3,224)	1:A:173:GLU:H	1:A:173:GLU:HB2	9	1.22
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD21	5	1.21
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD22	5	1.21
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD23	5	1.21
(3,557)	1:B:209:LYS:HD2	1:A:209:LYS:HG3	6	1.21
(3,557)	1:B:209:LYS:HD3	1:A:209:LYS:HG3	6	1.21
(3,557)	1:B:209:LYS:HD2	1:A:209:LYS:HG3	9	1.21
(3,557)	1:B:209:LYS:HD3	1:A:209:LYS:HG3	9	1.21
(3,466)	1:B:210:SER:HA	1:A:209:LYS:HD2	1	1.21
(3,42)	1:A:183:ARG:H	1:A:183:ARG:HB2	10	1.21
(3,125)	1:A:149:LYS:H	1:A:148:GLN:HB3	10	1.21
(3,563)	1:A:157:ARG:HG2	1:A:157:ARG:HA	1	1.2
(3,42)	1:A:183:ARG:H	1:A:183:ARG:HB2	5	1.2
(3,224)	1:A:173:GLU:H	1:A:173:GLU:HB2	1	1.2
(3,224)	1:A:173:GLU:H	1:A:173:GLU:HB2	6	1.2
(3,783)	1:A:180:LEU:H	1:A:178:LEU:HB3	5	1.19
(3,783)	1:A:180:LEU:H	1:A:180:LEU:HB3	5	1.19
(3,783)	1:A:180:LEU:H	1:A:178:LEU:HB3	7	1.19
(3,783)	1:A:180:LEU:H	1:A:180:LEU:HB3	7	1.19
(3,783)	1:A:180:LEU:H	1:A:178:LEU:HB3	8	1.19
(3,783)	1:A:180:LEU:H	1:A:180:LEU:HB3	8	1.19
(3,744)	1:A:168:GLY:HA3	1:B:203:GLU:HA	5	1.19
(3,744)	1:A:168:GLY:HA3	1:B:203:GLU:HA	9	1.19
(3,557)	1:B:209:LYS:HD2	1:A:209:LYS:HG3	10	1.19
(3,557)	1:B:209:LYS:HD3	1:A:209:LYS:HG3	10	1.19
(3,224)	1:A:173:GLU:H	1:A:173:GLU:HB2	4	1.19
(3,783)	1:A:180:LEU:H	1:A:178:LEU:HB3	2	1.18
(3,783)	1:A:180:LEU:H	1:A:180:LEU:HB3	2	1.18
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD21	7	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD22	7	1.18
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD23	7	1.18
(3,557)	1:B:209:LYS:HD2	1:A:209:LYS:HG3	1	1.18
(3,557)	1:B:209:LYS:HD3	1:A:209:LYS:HG3	1	1.18
(3,557)	1:B:209:LYS:HD2	1:A:209:LYS:HG3	3	1.18
(3,557)	1:B:209:LYS:HD3	1:A:209:LYS:HG3	3	1.18
(3,783)	1:A:180:LEU:H	1:A:178:LEU:HB3	1	1.17
(3,783)	1:A:180:LEU:H	1:A:180:LEU:HB3	1	1.17
(3,783)	1:A:180:LEU:H	1:A:178:LEU:HB3	10	1.17
(3,783)	1:A:180:LEU:H	1:A:180:LEU:HB3	10	1.17
(3,42)	1:A:183:ARG:H	1:A:183:ARG:HB2	9	1.17
(3,369)	1:A:195:LYS:H	1:A:195:LYS:HB3	8	1.17
(3,744)	1:A:168:GLY:HA3	1:B:203:GLU:HA	6	1.16
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD21	2	1.16
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD22	2	1.16
(3,635)	1:A:166:GLU:HG3	1:A:162:LEU:HD23	2	1.16
(3,42)	1:A:183:ARG:H	1:A:183:ARG:HB2	3	1.16
(3,224)	1:A:173:GLU:H	1:A:173:GLU:HB2	3	1.16
(3,783)	1:A:180:LEU:H	1:A:178:LEU:HB3	9	1.15
(3,783)	1:A:180:LEU:H	1:A:180:LEU:HB3	9	1.15
(3,658)	1:A:177:ALA:HB1	1:A:164:GLU:HG2	4	1.15
(3,658)	1:A:177:ALA:HB2	1:A:164:GLU:HG2	4	1.15
(3,658)	1:A:177:ALA:HB3	1:A:164:GLU:HG2	4	1.15
(3,125)	1:A:149:LYS:H	1:A:148:GLN:HB3	3	1.15
(1,1113)	1:A:182:LYS:H	1:A:172:GLN:HG3	8	1.15
(3,783)	1:A:180:LEU:H	1:A:178:LEU:HB3	4	1.14
(3,783)	1:A:180:LEU:H	1:A:180:LEU:HB3	4	1.14
(3,557)	1:B:209:LYS:HD2	1:A:209:LYS:HG3	4	1.14
(3,557)	1:B:209:LYS:HD3	1:A:209:LYS:HG3	4	1.14
(3,557)	1:B:209:LYS:HD2	1:A:209:LYS:HG3	5	1.14
(3,557)	1:B:209:LYS:HD3	1:A:209:LYS:HG3	5	1.14
(3,369)	1:A:195:LYS:H	1:A:195:LYS:HB3	2	1.14
(3,369)	1:A:195:LYS:H	1:A:195:LYS:HB3	3	1.14
(3,369)	1:A:195:LYS:H	1:A:195:LYS:HB3	5	1.14
(3,28)	1:A:172:GLN:H	1:A:172:GLN:HG2	1	1.14
(3,28)	1:A:172:GLN:H	1:A:172:GLN:HG2	4	1.14
(3,783)	1:A:180:LEU:H	1:A:178:LEU:HB3	6	1.13
(3,783)	1:A:180:LEU:H	1:A:180:LEU:HB3	6	1.13
(3,557)	1:B:209:LYS:HD2	1:A:209:LYS:HG3	2	1.13
(3,557)	1:B:209:LYS:HD3	1:A:209:LYS:HG3	2	1.13
(3,125)	1:A:149:LYS:H	1:A:148:GLN:HB3	7	1.13
(1,1113)	1:A:182:LYS:H	1:A:172:GLN:HG3	5	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,654)	1:A:176:ASP:HB2	1:A:173:GLU:HA	5	1.12
(3,611)	1:A:154:LEU:HD21	1:A:195:LYS:HB2	8	1.12
(3,611)	1:A:154:LEU:HD22	1:A:195:LYS:HB2	8	1.12
(3,611)	1:A:154:LEU:HD23	1:A:195:LYS:HB2	8	1.12
(3,28)	1:A:172:GLN:H	1:A:172:GLN:HG2	7	1.12
(3,21)	1:A:174:ILE:H	1:A:173:GLU:HG2	9	1.12
(3,783)	1:A:180:LEU:H	1:A:178:LEU:HB3	3	1.11
(3,783)	1:A:180:LEU:H	1:A:180:LEU:HB3	3	1.11
(3,143)	1:A:149:LYS:H	1:A:149:LYS:HB3	8	1.11
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB2	4	1.1
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB3	4	1.1
(3,224)	1:A:173:GLU:H	1:A:173:GLU:HB2	5	1.1
(3,563)	1:A:157:ARG:HG2	1:A:157:ARG:HA	7	1.09
(3,42)	1:A:183:ARG:H	1:A:183:ARG:HB2	2	1.09
(3,369)	1:A:195:LYS:H	1:A:195:LYS:HB3	1	1.09
(3,369)	1:A:195:LYS:H	1:A:195:LYS:HB3	10	1.09
(3,143)	1:A:149:LYS:H	1:A:149:LYS:HB3	5	1.09
(3,744)	1:A:168:GLY:HA3	1:B:203:GLU:HA	4	1.08
(3,426)	1:A:159:CYS:HB2	1:A:160:LEU:H	9	1.08
(3,369)	1:A:195:LYS:H	1:A:195:LYS:HB3	4	1.08
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB2	10	1.06
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB3	10	1.06
(3,744)	1:A:168:GLY:HA3	1:B:203:GLU:HA	1	1.06
(3,744)	1:A:168:GLY:HA3	1:B:203:GLU:HA	3	1.06
(3,662)	1:A:178:LEU:HD11	1:A:157:ARG:HG2	8	1.06
(3,662)	1:A:178:LEU:HD12	1:A:157:ARG:HG2	8	1.06
(3,662)	1:A:178:LEU:HD13	1:A:157:ARG:HG2	8	1.06
(3,434)	1:A:211:ASP:HB2	1:A:213:VAL:H	1	1.06
(3,42)	1:A:183:ARG:H	1:A:183:ARG:HB2	6	1.06
(3,369)	1:A:195:LYS:H	1:A:195:LYS:HB3	7	1.06
(3,28)	1:A:172:GLN:H	1:A:172:GLN:HG2	9	1.06
(3,145)	1:A:185:ILE:H	1:A:185:ILE:HG12	5	1.06
(3,145)	1:A:185:ILE:H	1:A:185:ILE:HG12	7	1.06
(3,145)	1:A:185:ILE:H	1:A:185:ILE:HG12	8	1.06
(3,145)	1:A:185:ILE:H	1:A:185:ILE:HG12	9	1.06
(3,744)	1:A:168:GLY:HA3	1:B:203:GLU:HA	2	1.05
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD2	2	1.05
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD3	2	1.05
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD2	9	1.05
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD3	9	1.05
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD2	10	1.05
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD3	10	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,654)	1:A:176:ASP:HB2	1:A:173:GLU:HA	2	1.05
(3,451)	1:A:192:ILE:HA	1:A:195:LYS:HB3	8	1.05
(3,369)	1:A:195:LYS:H	1:A:195:LYS:HB3	9	1.05
(3,1477)	1:A:211:ASP:HB2	1:A:208:ALA:HA	8	1.05
(3,1477)	1:A:211:ASP:HB2	1:B:208:ALA:HA	8	1.05
(3,1477)	1:B:211:ASP:HB2	1:A:208:ALA:HA	8	1.05
(3,1477)	1:B:211:ASP:HB2	1:B:208:ALA:HA	8	1.05
(3,145)	1:A:185:ILE:H	1:A:185:ILE:HG12	4	1.05
(3,145)	1:A:185:ILE:H	1:A:185:ILE:HG12	6	1.05
(3,145)	1:A:185:ILE:H	1:A:185:ILE:HG12	10	1.05
(3,143)	1:A:149:LYS:H	1:A:149:LYS:HB3	1	1.05
(3,744)	1:A:168:GLY:HA3	1:B:203:GLU:HA	10	1.04
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD2	3	1.04
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD3	3	1.04
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD2	6	1.04
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD3	6	1.04
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD2	8	1.04
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD3	8	1.04
(3,426)	1:A:159:CYS:HB2	1:A:160:LEU:H	1	1.04
(3,426)	1:A:159:CYS:HB2	1:A:160:LEU:H	4	1.04
(3,28)	1:A:172:GLN:H	1:A:172:GLN:HG2	10	1.04
(3,240)	1:A:183:ARG:H	1:A:181:SER:HB2	7	1.04
(3,145)	1:A:185:ILE:H	1:A:185:ILE:HG12	2	1.04
(3,145)	1:A:185:ILE:H	1:A:185:ILE:HG12	3	1.04
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD2	4	1.03
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD3	4	1.03
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD2	7	1.03
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD3	7	1.03
(3,662)	1:A:178:LEU:HD11	1:A:157:ARG:HG2	5	1.03
(3,662)	1:A:178:LEU:HD12	1:A:157:ARG:HG2	5	1.03
(3,662)	1:A:178:LEU:HD13	1:A:157:ARG:HG2	5	1.03
(3,467)	1:A:182:LYS:HA	1:A:182:LYS:HD2	5	1.03
(3,28)	1:A:172:GLN:H	1:A:172:GLN:HG2	2	1.03
(3,21)	1:A:174:ILE:H	1:A:173:GLU:HG2	2	1.03
(3,145)	1:A:185:ILE:H	1:A:185:ILE:HG12	1	1.03
(1,1437)	1:A:153:VAL:HG11	1:A:195:LYS:HB2	1	1.03
(1,1437)	1:A:153:VAL:HG12	1:A:195:LYS:HB2	1	1.03
(1,1437)	1:A:153:VAL:HG13	1:A:195:LYS:HB2	1	1.03
(1,1113)	1:A:182:LYS:H	1:A:172:GLN:HG3	9	1.03
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD2	1	1.02
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD3	1	1.02
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD2	5	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,673)	1:A:183:ARG:HB2	1:A:183:ARG:HD3	5	1.02
(3,654)	1:A:176:ASP:HB2	1:A:173:GLU:HA	4	1.02
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD11	9	1.02
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD12	9	1.02
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD13	9	1.02
(3,426)	1:A:159:CYS:HB2	1:A:160:LEU:H	10	1.02
(3,240)	1:A:183:ARG:H	1:A:181:SER:HB2	4	1.02
(3,426)	1:A:159:CYS:HB2	1:A:160:LEU:H	6	1.01
(3,125)	1:A:149:LYS:H	1:A:148:GLN:HB3	5	1.01
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB2	9	1.0
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB3	9	1.0
(3,625)	1:A:163:GLN:HG3	1:A:160:LEU:HA	5	1.0
(3,611)	1:A:154:LEU:HD21	1:A:195:LYS:HB2	3	1.0
(3,611)	1:A:154:LEU:HD22	1:A:195:LYS:HB2	3	1.0
(3,611)	1:A:154:LEU:HD23	1:A:195:LYS:HB2	3	1.0
(3,426)	1:A:159:CYS:HB2	1:A:160:LEU:H	2	1.0
(3,1477)	1:A:211:ASP:HB2	1:A:208:ALA:HA	4	1.0
(3,1477)	1:A:211:ASP:HB2	1:B:208:ALA:HA	4	1.0
(3,1477)	1:B:211:ASP:HB2	1:A:208:ALA:HA	4	1.0
(3,1477)	1:B:211:ASP:HB2	1:B:208:ALA:HA	4	1.0
(3,1151)	1:A:163:GLN:HG3	1:A:160:LEU:H	2	1.0
(3,1151)	1:A:163:GLN:HG3	1:B:160:LEU:H	2	1.0
(3,1151)	1:B:163:GLN:HG3	1:A:160:LEU:H	2	1.0
(3,1151)	1:B:163:GLN:HG3	1:B:160:LEU:H	2	1.0
(1,726)	1:A:193:PHE:H	1:A:195:LYS:HB3	6	1.0
(1,1276)	1:B:201:ARG:HD2	1:A:201:ARG:HB2	4	1.0
(1,1276)	1:B:201:ARG:HD3	1:A:201:ARG:HB2	4	1.0
(3,611)	1:A:154:LEU:HD21	1:A:195:LYS:HB2	4	0.99
(3,611)	1:A:154:LEU:HD22	1:A:195:LYS:HB2	4	0.99
(3,611)	1:A:154:LEU:HD23	1:A:195:LYS:HB2	4	0.99
(3,611)	1:A:154:LEU:HD21	1:A:195:LYS:HB2	7	0.99
(3,611)	1:A:154:LEU:HD22	1:A:195:LYS:HB2	7	0.99
(3,611)	1:A:154:LEU:HD23	1:A:195:LYS:HB2	7	0.99
(3,426)	1:A:159:CYS:HB2	1:A:160:LEU:H	3	0.99
(1,1113)	1:A:182:LYS:H	1:A:172:GLN:HG3	10	0.99
(3,654)	1:A:176:ASP:HB2	1:A:173:GLU:HA	9	0.98
(3,426)	1:A:159:CYS:HB2	1:A:160:LEU:H	8	0.98
(3,206)	1:A:186:GLU:H	1:A:186:GLU:HB2	4	0.98
(1,1437)	1:A:153:VAL:HG11	1:A:195:LYS:HB2	8	0.98
(1,1437)	1:A:153:VAL:HG12	1:A:195:LYS:HB2	8	0.98
(1,1437)	1:A:153:VAL:HG13	1:A:195:LYS:HB2	8	0.98
(1,1276)	1:B:201:ARG:HD2	1:A:201:ARG:HB2	8	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1276)	1:B:201:ARG:HD3	1:A:201:ARG:HB2	8	0.98
(3,744)	1:A:168:GLY:HA3	1:B:203:GLU:HA	8	0.97
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD11	5	0.97
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD12	5	0.97
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD13	5	0.97
(3,451)	1:A:192:ILE:HA	1:A:195:LYS:HB3	5	0.97
(3,426)	1:A:159:CYS:HB2	1:A:160:LEU:H	7	0.97
(3,34)	1:A:164:GLU:H	1:A:163:GLN:HG2	2	0.97
(3,1477)	1:A:211:ASP:HB2	1:A:208:ALA:HA	1	0.97
(3,1477)	1:A:211:ASP:HB2	1:B:208:ALA:HA	1	0.97
(3,1477)	1:B:211:ASP:HB2	1:A:208:ALA:HA	1	0.97
(3,1477)	1:B:211:ASP:HB2	1:B:208:ALA:HA	1	0.97
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD11	7	0.96
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD12	7	0.96
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD13	7	0.96
(3,563)	1:A:157:ARG:HG2	1:A:157:ARG:HA	2	0.96
(3,507)	1:A:157:ARG:HD2	1:A:157:ARG:HB3	1	0.96
(3,507)	1:A:157:ARG:HD3	1:A:157:ARG:HB3	1	0.96
(3,451)	1:A:192:ILE:HA	1:A:195:LYS:HB3	2	0.96
(3,34)	1:A:164:GLU:H	1:A:163:GLN:HG2	8	0.96
(3,34)	1:A:164:GLU:H	1:A:163:GLN:HG2	10	0.96
(3,662)	1:A:178:LEU:HD11	1:A:157:ARG:HG2	1	0.95
(3,662)	1:A:178:LEU:HD12	1:A:157:ARG:HG2	1	0.95
(3,662)	1:A:178:LEU:HD13	1:A:157:ARG:HG2	1	0.95
(3,654)	1:A:176:ASP:HB2	1:A:173:GLU:HA	6	0.95
(3,625)	1:A:163:GLN:HG3	1:A:160:LEU:HA	4	0.95
(3,563)	1:A:157:ARG:HG2	1:A:157:ARG:HA	10	0.95
(3,451)	1:A:192:ILE:HA	1:A:195:LYS:HB3	3	0.95
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD11	10	0.94
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD12	10	0.94
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD13	10	0.94
(3,42)	1:A:183:ARG:H	1:A:183:ARG:HB2	1	0.94
(3,240)	1:A:183:ARG:H	1:A:181:SER:HB2	8	0.94
(1,921)	1:A:157:ARG:H	1:A:160:LEU:HB3	5	0.94
(1,921)	1:A:157:ARG:H	1:A:160:LEU:HB3	8	0.94
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD11	3	0.93
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD12	3	0.93
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD13	3	0.93
(3,563)	1:A:157:ARG:HG2	1:A:157:ARG:HA	3	0.93
(3,451)	1:A:192:ILE:HA	1:A:195:LYS:HB3	1	0.93
(1,1077)	1:A:165:VAL:H	1:A:167:LYS:HE2	9	0.93
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD11	2	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD12	2	0.92
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD13	2	0.92
(3,475)	1:A:203:GLU:HA	1:A:203:GLU:HG3	5	0.92
(3,1078)	1:A:164:GLU:HG2	1:A:178:LEU:H	5	0.92
(3,1078)	1:A:164:GLU:HG2	1:B:178:LEU:H	5	0.92
(3,1078)	1:A:176:ASP:HB2	1:A:178:LEU:H	5	0.92
(3,1078)	1:A:176:ASP:HB2	1:B:178:LEU:H	5	0.92
(3,1078)	1:B:164:GLU:HG2	1:A:178:LEU:H	5	0.92
(3,1078)	1:B:164:GLU:HG2	1:B:178:LEU:H	5	0.92
(3,507)	1:A:157:ARG:HD2	1:A:157:ARG:HB3	7	0.91
(3,507)	1:A:157:ARG:HD3	1:A:157:ARG:HB3	7	0.91
(3,507)	1:A:157:ARG:HD2	1:A:157:ARG:HB3	8	0.91
(3,507)	1:A:157:ARG:HD3	1:A:157:ARG:HB3	8	0.91
(3,34)	1:A:164:GLU:H	1:A:163:GLN:HG2	3	0.91
(3,1477)	1:A:211:ASP:HB2	1:A:208:ALA:HA	9	0.91
(3,1477)	1:A:211:ASP:HB2	1:B:208:ALA:HA	9	0.91
(3,1477)	1:B:211:ASP:HB2	1:A:208:ALA:HA	9	0.91
(3,1477)	1:B:211:ASP:HB2	1:B:208:ALA:HA	9	0.91
(3,1151)	1:A:163:GLN:HG3	1:A:160:LEU:H	5	0.91
(3,1151)	1:A:163:GLN:HG3	1:B:160:LEU:H	5	0.91
(3,1151)	1:B:163:GLN:HG3	1:A:160:LEU:H	5	0.91
(3,1151)	1:B:163:GLN:HG3	1:B:160:LEU:H	5	0.91
(3,1078)	1:A:164:GLU:HG2	1:A:178:LEU:H	9	0.91
(3,1078)	1:A:164:GLU:HG2	1:B:178:LEU:H	9	0.91
(3,1078)	1:A:176:ASP:HB2	1:A:178:LEU:H	9	0.91
(3,1078)	1:A:176:ASP:HB2	1:B:178:LEU:H	9	0.91
(3,1078)	1:B:164:GLU:HG2	1:A:178:LEU:H	9	0.91
(3,1078)	1:B:164:GLU:HG2	1:B:178:LEU:H	9	0.91
(1,1113)	1:A:182:LYS:H	1:A:172:GLN:HG3	1	0.91
(1,1113)	1:A:182:LYS:H	1:A:172:GLN:HG3	2	0.91
(1,1077)	1:A:165:VAL:H	1:A:167:LYS:HE2	2	0.91
(3,654)	1:A:176:ASP:HB2	1:A:173:GLU:HA	10	0.9
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD11	6	0.9
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD12	6	0.9
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD13	6	0.9
(3,563)	1:A:157:ARG:HG2	1:A:157:ARG:HA	6	0.9
(3,475)	1:A:203:GLU:HA	1:A:203:GLU:HG3	10	0.9
(3,1477)	1:A:211:ASP:HB2	1:A:208:ALA:HA	6	0.9
(3,1477)	1:A:211:ASP:HB2	1:B:208:ALA:HA	6	0.9
(3,1477)	1:B:211:ASP:HB2	1:A:208:ALA:HA	6	0.9
(3,1477)	1:B:211:ASP:HB2	1:B:208:ALA:HA	6	0.9
(3,1151)	1:A:163:GLN:HG3	1:A:160:LEU:H	4	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1151)	1:A:163:GLN:HG3	1:B:160:LEU:H	4	0.9
(3,1151)	1:B:163:GLN:HG3	1:A:160:LEU:H	4	0.9
(3,1151)	1:B:163:GLN:HG3	1:B:160:LEU:H	4	0.9
(3,1078)	1:A:164:GLU:HG2	1:A:178:LEU:H	2	0.9
(3,1078)	1:A:164:GLU:HG2	1:B:178:LEU:H	2	0.9
(3,1078)	1:A:176:ASP:HB2	1:A:178:LEU:H	2	0.9
(3,1078)	1:A:176:ASP:HB2	1:B:178:LEU:H	2	0.9
(3,1078)	1:B:164:GLU:HG2	1:A:178:LEU:H	2	0.9
(3,1078)	1:B:164:GLU:HG2	1:B:178:LEU:H	2	0.9
(3,1078)	1:A:164:GLU:HG2	1:A:178:LEU:H	6	0.9
(3,1078)	1:A:164:GLU:HG2	1:B:178:LEU:H	6	0.9
(3,1078)	1:A:176:ASP:HB2	1:A:178:LEU:H	6	0.9
(3,1078)	1:A:176:ASP:HB2	1:B:178:LEU:H	6	0.9
(3,1078)	1:B:164:GLU:HG2	1:A:178:LEU:H	6	0.9
(3,1078)	1:B:164:GLU:HG2	1:B:178:LEU:H	6	0.9
(3,1078)	1:A:164:GLU:HG2	1:A:178:LEU:H	7	0.9
(3,1078)	1:A:164:GLU:HG2	1:B:178:LEU:H	7	0.9
(3,1078)	1:A:176:ASP:HB2	1:A:178:LEU:H	7	0.9
(3,1078)	1:A:176:ASP:HB2	1:B:178:LEU:H	7	0.9
(3,1078)	1:B:164:GLU:HG2	1:A:178:LEU:H	7	0.9
(3,1078)	1:B:164:GLU:HG2	1:B:178:LEU:H	7	0.9
(3,1078)	1:A:164:GLU:HG2	1:A:178:LEU:H	10	0.9
(3,1078)	1:A:164:GLU:HG2	1:B:178:LEU:H	10	0.9
(3,1078)	1:A:176:ASP:HB2	1:A:178:LEU:H	10	0.9
(3,1078)	1:A:176:ASP:HB2	1:B:178:LEU:H	10	0.9
(3,1078)	1:B:164:GLU:HG2	1:A:178:LEU:H	10	0.9
(3,1078)	1:B:164:GLU:HG2	1:B:178:LEU:H	10	0.9
(3,1057)	1:A:193:PHE:HB3	1:A:199:GLY:H	7	0.9
(3,1057)	1:A:193:PHE:HB3	1:B:199:GLY:H	7	0.9
(3,1057)	1:B:193:PHE:HB3	1:A:199:GLY:H	7	0.9
(3,1057)	1:B:193:PHE:HB3	1:B:199:GLY:H	7	0.9
(1,1077)	1:A:165:VAL:H	1:A:167:LYS:HE2	3	0.9
(3,980)	1:A:185:ILE:HG12	1:A:181:SER:H	3	0.89
(3,980)	1:A:185:ILE:HG12	1:B:181:SER:H	3	0.89
(3,980)	1:B:185:ILE:HG12	1:A:181:SER:H	3	0.89
(3,980)	1:B:185:ILE:HG12	1:B:181:SER:H	3	0.89
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD11	1	0.89
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD12	1	0.89
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD13	1	0.89
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD11	4	0.89
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD12	4	0.89
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD13	4	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,611)	1:A:154:LEU:HD21	1:A:195:LYS:HB2	10	0.89
(3,611)	1:A:154:LEU:HD22	1:A:195:LYS:HB2	10	0.89
(3,611)	1:A:154:LEU:HD23	1:A:195:LYS:HB2	10	0.89
(3,475)	1:A:203:GLU:HA	1:A:203:GLU:HG3	4	0.89
(3,475)	1:A:203:GLU:HA	1:A:203:GLU:HG3	6	0.89
(3,475)	1:A:203:GLU:HA	1:A:203:GLU:HG3	8	0.89
(3,426)	1:A:159:CYS:HB2	1:A:160:LEU:H	5	0.89
(3,1078)	1:A:164:GLU:HG2	1:A:178:LEU:H	8	0.89
(3,1078)	1:A:164:GLU:HG2	1:B:178:LEU:H	8	0.89
(3,1078)	1:A:176:ASP:HB2	1:A:178:LEU:H	8	0.89
(3,1078)	1:A:176:ASP:HB2	1:B:178:LEU:H	8	0.89
(3,1078)	1:B:164:GLU:HG2	1:A:178:LEU:H	8	0.89
(3,1078)	1:B:164:GLU:HG2	1:B:178:LEU:H	8	0.89
(3,240)	1:A:183:ARG:H	1:A:181:SER:HB2	10	0.88
(3,1078)	1:A:164:GLU:HG2	1:A:178:LEU:H	4	0.88
(3,1078)	1:A:164:GLU:HG2	1:B:178:LEU:H	4	0.88
(3,1078)	1:A:176:ASP:HB2	1:A:178:LEU:H	4	0.88
(3,1078)	1:A:176:ASP:HB2	1:B:178:LEU:H	4	0.88
(3,1078)	1:B:164:GLU:HG2	1:A:178:LEU:H	4	0.88
(3,1078)	1:B:164:GLU:HG2	1:B:178:LEU:H	4	0.88
(1,1276)	1:B:201:ARG:HD2	1:A:201:ARG:HB2	6	0.88
(1,1276)	1:B:201:ARG:HD3	1:A:201:ARG:HB2	6	0.88
(3,980)	1:A:185:ILE:HG12	1:A:181:SER:H	2	0.87
(3,980)	1:A:185:ILE:HG12	1:B:181:SER:H	2	0.87
(3,980)	1:B:185:ILE:HG12	1:A:181:SER:H	2	0.87
(3,980)	1:B:185:ILE:HG12	1:B:181:SER:H	2	0.87
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB2	5	0.87
(3,769)	1:A:159:CYS:HB3	1:A:154:LEU:HB3	5	0.87
(3,475)	1:A:203:GLU:HA	1:A:203:GLU:HG3	9	0.87
(3,240)	1:A:183:ARG:H	1:A:181:SER:HB2	3	0.87
(3,143)	1:A:149:LYS:H	1:A:149:LYS:HB3	2	0.87
(3,1078)	1:A:164:GLU:HG2	1:A:178:LEU:H	1	0.87
(3,1078)	1:A:164:GLU:HG2	1:B:178:LEU:H	1	0.87
(3,1078)	1:A:176:ASP:HB2	1:A:178:LEU:H	1	0.87
(3,1078)	1:A:176:ASP:HB2	1:B:178:LEU:H	1	0.87
(3,1078)	1:B:164:GLU:HG2	1:A:178:LEU:H	1	0.87
(3,1078)	1:B:164:GLU:HG2	1:B:178:LEU:H	1	0.87
(1,921)	1:A:157:ARG:H	1:A:160:LEU:HB3	10	0.87
(1,1113)	1:A:182:LYS:H	1:A:172:GLN:HG3	3	0.87
(1,1077)	1:A:165:VAL:H	1:A:167:LYS:HE2	10	0.87
(3,475)	1:A:203:GLU:HA	1:A:203:GLU:HG3	1	0.86
(3,475)	1:A:203:GLU:HA	1:A:203:GLU:HG3	3	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,432)	1:A:163:GLN:HB2	1:A:163:GLN:H	2	0.86
(3,1057)	1:A:193:PHE:HB3	1:A:199:GLY:H	9	0.86
(3,1057)	1:A:193:PHE:HB3	1:B:199:GLY:H	9	0.86
(3,1057)	1:B:193:PHE:HB3	1:A:199:GLY:H	9	0.86
(3,1057)	1:B:193:PHE:HB3	1:B:199:GLY:H	9	0.86
(1,921)	1:A:157:ARG:H	1:A:160:LEU:HB3	3	0.86
(3,767)	1:B:209:LYS:HG2	1:A:209:LYS:HB2	8	0.85
(3,767)	1:B:209:LYS:HG3	1:A:209:LYS:HB2	8	0.85
(3,654)	1:A:176:ASP:HB2	1:A:173:GLU:HA	3	0.85
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD11	8	0.85
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD12	8	0.85
(3,645)	1:A:171:ASN:HB3	1:A:185:ILE:HD13	8	0.85
(3,563)	1:A:157:ARG:HG2	1:A:157:ARG:HA	4	0.85
(3,475)	1:A:203:GLU:HA	1:A:203:GLU:HG3	7	0.85
(3,451)	1:A:192:ILE:HA	1:A:195:LYS:HB3	7	0.85
(3,433)	1:A:163:GLN:HG3	1:A:163:GLN:H	4	0.85
(3,432)	1:A:163:GLN:HB2	1:A:163:GLN:H	3	0.85
(3,432)	1:A:163:GLN:HB2	1:A:163:GLN:H	9	0.85
(3,432)	1:A:163:GLN:HB2	1:A:163:GLN:H	10	0.85
(3,34)	1:A:164:GLU:H	1:A:163:GLN:HG2	6	0.85
(3,1399)	1:A:154:LEU:HB3	1:A:159:CYS:HA	8	0.85
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB2	8	0.85
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB3	8	0.85
(3,1399)	1:A:154:LEU:HB3	1:B:159:CYS:HA	8	0.85
(3,1399)	1:A:183:ARG:HB2	1:A:159:CYS:HA	8	0.85
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB2	8	0.85
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB3	8	0.85
(3,1399)	1:A:183:ARG:HB2	1:B:159:CYS:HA	8	0.85
(3,1399)	1:B:154:LEU:HB3	1:A:159:CYS:HA	8	0.85
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB2	8	0.85
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB3	8	0.85
(3,1399)	1:B:154:LEU:HB3	1:B:159:CYS:HA	8	0.85
(3,1057)	1:A:193:PHE:HB3	1:A:199:GLY:H	5	0.85
(3,1057)	1:A:193:PHE:HB3	1:B:199:GLY:H	5	0.85
(3,1057)	1:B:193:PHE:HB3	1:A:199:GLY:H	5	0.85
(3,1057)	1:B:193:PHE:HB3	1:B:199:GLY:H	5	0.85
(1,1987)	1:A:149:LYS:HA	1:A:159:CYS:HB3	9	0.85
(1,1987)	1:A:149:LYS:HA	1:B:159:CYS:HB3	9	0.85
(1,1987)	1:A:150:GLU:HA	1:A:159:CYS:HB3	9	0.85
(1,1987)	1:A:150:GLU:HA	1:B:159:CYS:HB3	9	0.85
(1,1987)	1:A:151:GLN:HA	1:A:159:CYS:HB3	9	0.85
(1,1987)	1:A:151:GLN:HA	1:B:159:CYS:HB3	9	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1987)	1:B:151:GLN:HA	1:A:159:CYS:HB3	9	0.85
(1,1987)	1:B:151:GLN:HA	1:B:159:CYS:HB3	9	0.85
(1,1077)	1:A:165:VAL:H	1:A:167:LYS:HE2	6	0.85
(3,980)	1:A:185:ILE:HG12	1:A:181:SER:H	1	0.84
(3,980)	1:A:185:ILE:HG12	1:B:181:SER:H	1	0.84
(3,980)	1:B:185:ILE:HG12	1:A:181:SER:H	1	0.84
(3,980)	1:B:185:ILE:HG12	1:B:181:SER:H	1	0.84
(3,980)	1:A:185:ILE:HG12	1:A:181:SER:H	5	0.84
(3,980)	1:A:185:ILE:HG12	1:B:181:SER:H	5	0.84
(3,980)	1:B:185:ILE:HG12	1:A:181:SER:H	5	0.84
(3,980)	1:B:185:ILE:HG12	1:B:181:SER:H	5	0.84
(3,980)	1:A:185:ILE:HG12	1:A:181:SER:H	8	0.84
(3,980)	1:A:185:ILE:HG12	1:B:181:SER:H	8	0.84
(3,980)	1:B:185:ILE:HG12	1:A:181:SER:H	8	0.84
(3,980)	1:B:185:ILE:HG12	1:B:181:SER:H	8	0.84
(3,475)	1:A:203:GLU:HA	1:A:203:GLU:HG3	2	0.84
(3,432)	1:A:163:GLN:HB2	1:A:163:GLN:H	8	0.84
(3,1150)	1:A:157:ARG:HG2	1:A:160:LEU:H	8	0.84
(3,1150)	1:A:157:ARG:HG2	1:B:160:LEU:H	8	0.84
(3,1150)	1:B:157:ARG:HG2	1:A:160:LEU:H	8	0.84
(3,1150)	1:B:157:ARG:HG2	1:B:160:LEU:H	8	0.84
(1,1987)	1:A:149:LYS:HA	1:A:159:CYS:HB3	4	0.84
(1,1987)	1:A:149:LYS:HA	1:B:159:CYS:HB3	4	0.84
(1,1987)	1:A:150:GLU:HA	1:A:159:CYS:HB3	4	0.84
(1,1987)	1:A:150:GLU:HA	1:B:159:CYS:HB3	4	0.84
(1,1987)	1:A:151:GLN:HA	1:A:159:CYS:HB3	4	0.84
(1,1987)	1:A:151:GLN:HA	1:B:159:CYS:HB3	4	0.84
(1,1987)	1:B:151:GLN:HA	1:A:159:CYS:HB3	4	0.84
(1,1987)	1:B:151:GLN:HA	1:B:159:CYS:HB3	4	0.84
(1,1437)	1:A:153:VAL:HG11	1:A:195:LYS:HB2	4	0.84
(1,1437)	1:A:153:VAL:HG12	1:A:195:LYS:HB2	4	0.84
(1,1437)	1:A:153:VAL:HG13	1:A:195:LYS:HB2	4	0.84
(1,1437)	1:A:153:VAL:HG11	1:A:195:LYS:HB2	5	0.84
(1,1437)	1:A:153:VAL:HG12	1:A:195:LYS:HB2	5	0.84
(1,1437)	1:A:153:VAL:HG13	1:A:195:LYS:HB2	5	0.84
(3,654)	1:A:176:ASP:HB2	1:A:173:GLU:HA	8	0.83
(3,593)	1:A:198:VAL:HG21	1:A:196:LEU:HB2	6	0.83
(3,593)	1:A:198:VAL:HG22	1:A:196:LEU:HB2	6	0.83
(3,593)	1:A:198:VAL:HG23	1:A:196:LEU:HB2	6	0.83
(3,451)	1:A:192:ILE:HA	1:A:195:LYS:HB3	4	0.83
(3,432)	1:A:163:GLN:HB2	1:A:163:GLN:H	4	0.83
(3,432)	1:A:163:GLN:HB2	1:A:163:GLN:H	5	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,432)	1:A:163:GLN:HB2	1:A:163:GLN:H	6	0.83
(3,432)	1:A:163:GLN:HB2	1:A:163:GLN:H	7	0.83
(3,34)	1:A:164:GLU:H	1:A:163:GLN:HG2	7	0.83
(1,921)	1:A:157:ARG:H	1:A:160:LEU:HB3	4	0.83
(3,662)	1:A:178:LEU:HD11	1:A:157:ARG:HG2	7	0.82
(3,662)	1:A:178:LEU:HD12	1:A:157:ARG:HG2	7	0.82
(3,662)	1:A:178:LEU:HD13	1:A:157:ARG:HG2	7	0.82
(3,593)	1:A:198:VAL:HG21	1:A:196:LEU:HB2	8	0.82
(3,593)	1:A:198:VAL:HG22	1:A:196:LEU:HB2	8	0.82
(3,593)	1:A:198:VAL:HG23	1:A:196:LEU:HB2	8	0.82
(3,507)	1:A:157:ARG:HD2	1:A:157:ARG:HB3	10	0.82
(3,507)	1:A:157:ARG:HD3	1:A:157:ARG:HB3	10	0.82
(3,428)	1:A:171:ASN:HB2	1:A:171:ASN:H	5	0.82
(3,34)	1:A:164:GLU:H	1:A:163:GLN:HG2	5	0.82
(3,28)	1:A:172:GLN:H	1:A:172:GLN:HG2	8	0.82
(3,1358)	1:A:149:LYS:HB2	1:A:150:GLU:H	6	0.82
(3,1358)	1:A:150:GLU:HB2	1:A:150:GLU:H	6	0.82
(3,1358)	1:A:153:VAL:HB	1:A:150:GLU:H	6	0.82
(3,1078)	1:A:164:GLU:HG2	1:A:178:LEU:H	3	0.82
(3,1078)	1:A:164:GLU:HG2	1:B:178:LEU:H	3	0.82
(3,1078)	1:A:176:ASP:HB2	1:A:178:LEU:H	3	0.82
(3,1078)	1:A:176:ASP:HB2	1:B:178:LEU:H	3	0.82
(3,1078)	1:B:164:GLU:HG2	1:A:178:LEU:H	3	0.82
(3,1078)	1:B:164:GLU:HG2	1:B:178:LEU:H	3	0.82
(3,1057)	1:A:193:PHE:HB3	1:A:199:GLY:H	4	0.82
(3,1057)	1:A:193:PHE:HB3	1:B:199:GLY:H	4	0.82
(3,1057)	1:B:193:PHE:HB3	1:A:199:GLY:H	4	0.82
(3,1057)	1:B:193:PHE:HB3	1:B:199:GLY:H	4	0.82
(1,1987)	1:A:149:LYS:HA	1:A:159:CYS:HB3	1	0.82
(1,1987)	1:A:149:LYS:HA	1:B:159:CYS:HB3	1	0.82
(1,1987)	1:A:150:GLU:HA	1:A:159:CYS:HB3	1	0.82
(1,1987)	1:A:150:GLU:HA	1:B:159:CYS:HB3	1	0.82
(1,1987)	1:A:151:GLN:HA	1:A:159:CYS:HB3	1	0.82
(1,1987)	1:A:151:GLN:HA	1:B:159:CYS:HB3	1	0.82
(1,1987)	1:B:151:GLN:HA	1:A:159:CYS:HB3	1	0.82
(1,1987)	1:B:151:GLN:HA	1:B:159:CYS:HB3	1	0.82
(1,1077)	1:A:165:VAL:H	1:A:167:LYS:HE2	8	0.82
(3,980)	1:A:185:ILE:HG12	1:A:181:SER:H	6	0.81
(3,980)	1:A:185:ILE:HG12	1:B:181:SER:H	6	0.81
(3,980)	1:B:185:ILE:HG12	1:A:181:SER:H	6	0.81
(3,980)	1:B:185:ILE:HG12	1:B:181:SER:H	6	0.81
(3,980)	1:A:185:ILE:HG12	1:A:181:SER:H	9	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,980)	1:A:185:ILE:HG12	1:B:181:SER:H	9	0.81
(3,980)	1:B:185:ILE:HG12	1:A:181:SER:H	9	0.81
(3,980)	1:B:185:ILE:HG12	1:B:181:SER:H	9	0.81
(3,654)	1:A:176:ASP:HB2	1:A:173:GLU:HA	1	0.81
(3,654)	1:A:176:ASP:HB2	1:A:173:GLU:HA	7	0.81
(3,625)	1:A:163:GLN:HG3	1:A:160:LEU:HA	2	0.81
(3,625)	1:A:163:GLN:HG3	1:A:160:LEU:HA	9	0.81
(3,507)	1:A:157:ARG:HD2	1:A:157:ARG:HB3	2	0.81
(3,507)	1:A:157:ARG:HD3	1:A:157:ARG:HB3	2	0.81
(3,432)	1:A:163:GLN:HB2	1:A:163:GLN:H	1	0.81
(3,428)	1:A:171:ASN:HB2	1:A:171:ASN:H	4	0.81
(3,240)	1:A:183:ARG:H	1:A:181:SER:HB2	9	0.81
(3,1181)	1:A:186:GLU:HB2	1:A:185:ILE:H	3	0.81
(3,1181)	1:A:186:GLU:HB2	1:B:185:ILE:H	3	0.81
(3,1181)	1:B:186:GLU:HB2	1:A:185:ILE:H	3	0.81
(3,1181)	1:B:186:GLU:HB2	1:B:185:ILE:H	3	0.81
(3,1057)	1:A:193:PHE:HB3	1:A:199:GLY:H	2	0.81
(3,1057)	1:A:193:PHE:HB3	1:B:199:GLY:H	2	0.81
(3,1057)	1:B:193:PHE:HB3	1:A:199:GLY:H	2	0.81
(3,1057)	1:B:193:PHE:HB3	1:B:199:GLY:H	2	0.81
(3,1057)	1:A:193:PHE:HB3	1:A:199:GLY:H	10	0.81
(3,1057)	1:A:193:PHE:HB3	1:B:199:GLY:H	10	0.81
(3,1057)	1:B:193:PHE:HB3	1:A:199:GLY:H	10	0.81
(3,1057)	1:B:193:PHE:HB3	1:B:199:GLY:H	10	0.81
(1,921)	1:A:157:ARG:H	1:A:160:LEU:HB3	7	0.81
(1,1077)	1:A:165:VAL:H	1:A:167:LYS:HE2	1	0.81
(3,980)	1:A:185:ILE:HG12	1:A:181:SER:H	7	0.8
(3,980)	1:A:185:ILE:HG12	1:B:181:SER:H	7	0.8
(3,980)	1:B:185:ILE:HG12	1:A:181:SER:H	7	0.8
(3,980)	1:B:185:ILE:HG12	1:B:181:SER:H	7	0.8
(3,593)	1:A:198:VAL:HG21	1:A:196:LEU:HB2	9	0.8
(3,593)	1:A:198:VAL:HG22	1:A:196:LEU:HB2	9	0.8
(3,593)	1:A:198:VAL:HG23	1:A:196:LEU:HB2	9	0.8
(3,507)	1:A:157:ARG:HD2	1:A:157:ARG:HB3	3	0.8
(3,507)	1:A:157:ARG:HD3	1:A:157:ARG:HB3	3	0.8
(3,428)	1:A:171:ASN:HB2	1:A:171:ASN:H	3	0.8
(3,428)	1:A:171:ASN:HB2	1:A:171:ASN:H	6	0.8
(3,428)	1:A:171:ASN:HB2	1:A:171:ASN:H	7	0.8
(3,428)	1:A:171:ASN:HB2	1:A:171:ASN:H	10	0.8
(3,240)	1:A:183:ARG:H	1:A:181:SER:HB2	2	0.8
(3,1358)	1:A:149:LYS:HB2	1:A:150:GLU:H	1	0.8
(3,1358)	1:A:150:GLU:HB2	1:A:150:GLU:H	1	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1358)	1:A:153:VAL:HB	1:A:150:GLU:H	1	0.8
(1,1113)	1:A:182:LYS:H	1:A:172:GLN:HG3	6	0.8
(1,1113)	1:A:182:LYS:H	1:A:172:GLN:HG3	7	0.8
(3,64)	1:A:196:LEU:H	1:A:196:LEU:HB3	1	0.79
(3,611)	1:A:154:LEU:HD21	1:A:195:LYS:HB2	2	0.79
(3,611)	1:A:154:LEU:HD22	1:A:195:LYS:HB2	2	0.79
(3,611)	1:A:154:LEU:HD23	1:A:195:LYS:HB2	2	0.79
(3,428)	1:A:171:ASN:HB2	1:A:171:ASN:H	1	0.79
(3,428)	1:A:171:ASN:HB2	1:A:171:ASN:H	2	0.79
(3,428)	1:A:171:ASN:HB2	1:A:171:ASN:H	8	0.79
(3,428)	1:A:171:ASN:HB2	1:A:171:ASN:H	9	0.79
(3,34)	1:A:164:GLU:H	1:A:163:GLN:HG2	9	0.79
(3,1399)	1:A:154:LEU:HB3	1:A:159:CYS:HA	4	0.79
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB2	4	0.79
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB3	4	0.79
(3,1399)	1:A:154:LEU:HB3	1:B:159:CYS:HA	4	0.79
(3,1399)	1:A:183:ARG:HB2	1:A:159:CYS:HA	4	0.79
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB2	4	0.79
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB3	4	0.79
(3,1399)	1:A:183:ARG:HB2	1:B:159:CYS:HA	4	0.79
(3,1399)	1:B:154:LEU:HB3	1:A:159:CYS:HA	4	0.79
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB2	4	0.79
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB3	4	0.79
(3,1399)	1:B:154:LEU:HB3	1:B:159:CYS:HA	4	0.79
(3,1057)	1:A:193:PHE:HB3	1:A:199:GLY:H	1	0.79
(3,1057)	1:A:193:PHE:HB3	1:B:199:GLY:H	1	0.79
(3,1057)	1:B:193:PHE:HB3	1:A:199:GLY:H	1	0.79
(3,1057)	1:B:193:PHE:HB3	1:B:199:GLY:H	1	0.79
(1,1077)	1:A:165:VAL:H	1:A:167:LYS:HE2	4	0.79
(1,1077)	1:A:165:VAL:H	1:A:167:LYS:HE2	7	0.79
(3,980)	1:A:185:ILE:HG12	1:A:181:SER:H	4	0.78
(3,980)	1:A:185:ILE:HG12	1:B:181:SER:H	4	0.78
(3,980)	1:B:185:ILE:HG12	1:A:181:SER:H	4	0.78
(3,980)	1:B:185:ILE:HG12	1:B:181:SER:H	4	0.78
(3,625)	1:A:163:GLN:HG3	1:A:160:LEU:HA	1	0.78
(3,611)	1:A:154:LEU:HD21	1:A:195:LYS:HB2	9	0.78
(3,611)	1:A:154:LEU:HD22	1:A:195:LYS:HB2	9	0.78
(3,611)	1:A:154:LEU:HD23	1:A:195:LYS:HB2	9	0.78
(3,563)	1:A:157:ARG:HG2	1:A:157:ARG:HA	9	0.78
(3,449)	1:A:211:ASP:HB2	1:A:212:GLY:H	8	0.78
(3,433)	1:A:163:GLN:HG3	1:A:163:GLN:H	5	0.78
(3,1399)	1:A:154:LEU:HB3	1:A:159:CYS:HA	1	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB2	1	0.78
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB3	1	0.78
(3,1399)	1:A:154:LEU:HB3	1:B:159:CYS:HA	1	0.78
(3,1399)	1:A:183:ARG:HB2	1:A:159:CYS:HA	1	0.78
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB2	1	0.78
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB3	1	0.78
(3,1399)	1:A:183:ARG:HB2	1:B:159:CYS:HA	1	0.78
(3,1399)	1:B:154:LEU:HB3	1:A:159:CYS:HA	1	0.78
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB2	1	0.78
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB3	1	0.78
(3,1399)	1:B:154:LEU:HB3	1:B:159:CYS:HA	1	0.78
(3,1399)	1:A:154:LEU:HB3	1:A:159:CYS:HA	10	0.78
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB2	10	0.78
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB3	10	0.78
(3,1399)	1:A:154:LEU:HB3	1:B:159:CYS:HA	10	0.78
(3,1399)	1:A:183:ARG:HB2	1:A:159:CYS:HA	10	0.78
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB2	10	0.78
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB3	10	0.78
(3,1399)	1:A:183:ARG:HB2	1:B:159:CYS:HA	10	0.78
(3,1399)	1:B:154:LEU:HB3	1:A:159:CYS:HA	10	0.78
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB2	10	0.78
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB3	10	0.78
(3,1399)	1:B:154:LEU:HB3	1:B:159:CYS:HA	10	0.78
(3,1151)	1:A:163:GLN:HG3	1:A:160:LEU:H	8	0.78
(3,1151)	1:A:163:GLN:HG3	1:B:160:LEU:H	8	0.78
(3,1151)	1:B:163:GLN:HG3	1:A:160:LEU:H	8	0.78
(3,1151)	1:B:163:GLN:HG3	1:B:160:LEU:H	8	0.78
(3,1150)	1:A:157:ARG:HG2	1:A:160:LEU:H	5	0.78
(3,1150)	1:A:157:ARG:HG2	1:B:160:LEU:H	5	0.78
(3,1150)	1:B:157:ARG:HG2	1:A:160:LEU:H	5	0.78
(3,1150)	1:B:157:ARG:HG2	1:B:160:LEU:H	5	0.78
(3,1057)	1:A:193:PHE:HB3	1:A:199:GLY:H	3	0.78
(3,1057)	1:A:193:PHE:HB3	1:B:199:GLY:H	3	0.78
(3,1057)	1:B:193:PHE:HB3	1:A:199:GLY:H	3	0.78
(3,1057)	1:B:193:PHE:HB3	1:B:199:GLY:H	3	0.78
(3,1057)	1:A:193:PHE:HB3	1:A:199:GLY:H	6	0.78
(3,1057)	1:A:193:PHE:HB3	1:B:199:GLY:H	6	0.78
(3,1057)	1:B:193:PHE:HB3	1:A:199:GLY:H	6	0.78
(3,1057)	1:B:193:PHE:HB3	1:B:199:GLY:H	6	0.78
(1,921)	1:A:157:ARG:H	1:A:160:LEU:HB3	2	0.78
(1,1987)	1:A:149:LYS:HA	1:A:159:CYS:HB3	2	0.78
(1,1987)	1:A:149:LYS:HA	1:B:159:CYS:HB3	2	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1987)	1:A:150:GLU:HA	1:A:159:CYS:HB3	2	0.78
(1,1987)	1:A:150:GLU:HA	1:B:159:CYS:HB3	2	0.78
(1,1987)	1:A:151:GLN:HA	1:A:159:CYS:HB3	2	0.78
(1,1987)	1:A:151:GLN:HA	1:B:159:CYS:HB3	2	0.78
(1,1987)	1:B:151:GLN:HA	1:A:159:CYS:HB3	2	0.78
(1,1987)	1:B:151:GLN:HA	1:B:159:CYS:HB3	2	0.78
(1,1077)	1:A:165:VAL:H	1:A:167:LYS:HE2	5	0.78
(3,767)	1:B:209:LYS:HG2	1:A:209:LYS:HB2	10	0.77
(3,767)	1:B:209:LYS:HG3	1:A:209:LYS:HB2	10	0.77
(3,64)	1:A:196:LEU:H	1:A:196:LEU:HB3	3	0.77
(3,64)	1:A:196:LEU:H	1:A:196:LEU:HB3	4	0.77
(3,593)	1:A:198:VAL:HG21	1:A:196:LEU:HB2	4	0.77
(3,593)	1:A:198:VAL:HG22	1:A:196:LEU:HB2	4	0.77
(3,593)	1:A:198:VAL:HG23	1:A:196:LEU:HB2	4	0.77
(3,507)	1:A:157:ARG:HD2	1:A:157:ARG:HB3	5	0.77
(3,507)	1:A:157:ARG:HD3	1:A:157:ARG:HB3	5	0.77
(3,1358)	1:A:149:LYS:HB2	1:A:150:GLU:H	8	0.77
(3,1358)	1:A:150:GLU:HB2	1:A:150:GLU:H	8	0.77
(3,1358)	1:A:153:VAL:HB	1:A:150:GLU:H	8	0.77
(3,1181)	1:A:186:GLU:HB2	1:A:185:ILE:H	2	0.77
(3,1181)	1:A:186:GLU:HB2	1:B:185:ILE:H	2	0.77
(3,1181)	1:B:186:GLU:HB2	1:A:185:ILE:H	2	0.77
(3,1181)	1:B:186:GLU:HB2	1:B:185:ILE:H	2	0.77
(3,1151)	1:A:163:GLN:HG3	1:A:160:LEU:H	1	0.77
(3,1151)	1:A:163:GLN:HG3	1:B:160:LEU:H	1	0.77
(3,1151)	1:B:163:GLN:HG3	1:A:160:LEU:H	1	0.77
(3,1151)	1:B:163:GLN:HG3	1:B:160:LEU:H	1	0.77
(1,921)	1:A:157:ARG:H	1:A:160:LEU:HB3	6	0.77
(1,1987)	1:A:149:LYS:HA	1:A:159:CYS:HB3	3	0.77
(1,1987)	1:A:149:LYS:HA	1:B:159:CYS:HB3	3	0.77
(1,1987)	1:A:150:GLU:HA	1:A:159:CYS:HB3	3	0.77
(1,1987)	1:A:150:GLU:HA	1:B:159:CYS:HB3	3	0.77
(1,1987)	1:A:151:GLN:HA	1:A:159:CYS:HB3	3	0.77
(1,1987)	1:A:151:GLN:HA	1:B:159:CYS:HB3	3	0.77
(1,1987)	1:B:151:GLN:HA	1:A:159:CYS:HB3	3	0.77
(1,1987)	1:B:151:GLN:HA	1:B:159:CYS:HB3	3	0.77
(1,1276)	1:B:201:ARG:HD2	1:A:201:ARG:HB2	5	0.77
(1,1276)	1:B:201:ARG:HD3	1:A:201:ARG:HB2	5	0.77
(3,921)	1:A:183:ARG:HD2	1:A:183:ARG:H	5	0.76
(3,921)	1:A:183:ARG:HD2	1:A:188:SER:H	5	0.76
(3,921)	1:A:183:ARG:HD2	1:B:183:ARG:H	5	0.76
(3,921)	1:A:187:TYR:HB2	1:A:183:ARG:H	5	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,921)	1:A:187:TYR:HB2	1:A:188:SER:H	5	0.76
(3,921)	1:A:187:TYR:HB2	1:B:183:ARG:H	5	0.76
(3,921)	1:B:183:ARG:HD2	1:A:183:ARG:H	5	0.76
(3,921)	1:B:183:ARG:HD2	1:A:188:SER:H	5	0.76
(3,921)	1:B:183:ARG:HD2	1:B:183:ARG:H	5	0.76
(3,767)	1:B:209:LYS:HG2	1:A:209:LYS:HB2	9	0.76
(3,767)	1:B:209:LYS:HG3	1:A:209:LYS:HB2	9	0.76
(3,64)	1:A:196:LEU:H	1:A:196:LEU:HB3	2	0.76
(3,625)	1:A:163:GLN:HG3	1:A:160:LEU:HA	10	0.76
(3,593)	1:A:198:VAL:HG21	1:A:196:LEU:HB2	2	0.76
(3,593)	1:A:198:VAL:HG22	1:A:196:LEU:HB2	2	0.76
(3,593)	1:A:198:VAL:HG23	1:A:196:LEU:HB2	2	0.76
(3,593)	1:A:198:VAL:HG21	1:A:196:LEU:HB2	5	0.76
(3,593)	1:A:198:VAL:HG22	1:A:196:LEU:HB2	5	0.76
(3,593)	1:A:198:VAL:HG23	1:A:196:LEU:HB2	5	0.76
(3,593)	1:A:198:VAL:HG21	1:A:196:LEU:HB2	7	0.76
(3,593)	1:A:198:VAL:HG22	1:A:196:LEU:HB2	7	0.76
(3,593)	1:A:198:VAL:HG23	1:A:196:LEU:HB2	7	0.76
(3,593)	1:A:198:VAL:HG21	1:A:196:LEU:HB2	10	0.76
(3,593)	1:A:198:VAL:HG22	1:A:196:LEU:HB2	10	0.76
(3,593)	1:A:198:VAL:HG23	1:A:196:LEU:HB2	10	0.76
(3,451)	1:A:192:ILE:HA	1:A:195:LYS:HB3	9	0.76
(3,1358)	1:A:149:LYS:HB2	1:A:150:GLU:H	5	0.76
(3,1358)	1:A:150:GLU:HB2	1:A:150:GLU:H	5	0.76
(3,1358)	1:A:153:VAL:HB	1:A:150:GLU:H	5	0.76
(3,125)	1:A:149:LYS:H	1:A:148:GLN:HB3	6	0.76
(3,1181)	1:A:186:GLU:HB2	1:A:185:ILE:H	6	0.76
(3,1181)	1:A:186:GLU:HB2	1:B:185:ILE:H	6	0.76
(3,1181)	1:B:186:GLU:HB2	1:A:185:ILE:H	6	0.76
(3,1181)	1:B:186:GLU:HB2	1:B:185:ILE:H	6	0.76
(3,1107)	1:A:173:GLU:HB2	1:A:172:GLN:H	5	0.76
(3,1107)	1:A:173:GLU:HB2	1:B:172:GLN:H	5	0.76
(3,1107)	1:A:182:LYS:HB3	1:A:172:GLN:H	5	0.76
(3,1107)	1:A:182:LYS:HB3	1:B:172:GLN:H	5	0.76
(3,1107)	1:B:173:GLU:HB2	1:A:172:GLN:H	5	0.76
(3,1107)	1:B:173:GLU:HB2	1:B:172:GLN:H	5	0.76
(3,1107)	1:B:182:LYS:HB3	1:A:172:GLN:H	5	0.76
(3,1107)	1:B:182:LYS:HB3	1:B:172:GLN:H	5	0.76
(1,1437)	1:A:153:VAL:HG11	1:A:195:LYS:HB2	10	0.76
(1,1437)	1:A:153:VAL:HG12	1:A:195:LYS:HB2	10	0.76
(1,1437)	1:A:153:VAL:HG13	1:A:195:LYS:HB2	10	0.76
(3,980)	1:A:185:ILE:HG12	1:A:181:SER:H	10	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,980)	1:A:185:ILE:HG12	1:B:181:SER:H	10	0.75
(3,980)	1:B:185:ILE:HG12	1:A:181:SER:H	10	0.75
(3,980)	1:B:185:ILE:HG12	1:B:181:SER:H	10	0.75
(3,662)	1:A:178:LEU:HD11	1:A:157:ARG:HG2	2	0.75
(3,662)	1:A:178:LEU:HD12	1:A:157:ARG:HG2	2	0.75
(3,662)	1:A:178:LEU:HD13	1:A:157:ARG:HG2	2	0.75
(3,625)	1:A:163:GLN:HG3	1:A:160:LEU:HA	3	0.75
(3,593)	1:A:198:VAL:HG21	1:A:196:LEU:HB2	1	0.75
(3,593)	1:A:198:VAL:HG22	1:A:196:LEU:HB2	1	0.75
(3,593)	1:A:198:VAL:HG23	1:A:196:LEU:HB2	1	0.75
(3,507)	1:A:157:ARG:HD2	1:A:157:ARG:HB3	6	0.75
(3,507)	1:A:157:ARG:HD3	1:A:157:ARG:HB3	6	0.75
(3,449)	1:A:211:ASP:HB2	1:A:212:GLY:H	4	0.75
(3,1399)	1:A:154:LEU:HB3	1:A:159:CYS:HA	3	0.75
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB2	3	0.75
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB3	3	0.75
(3,1399)	1:A:154:LEU:HB3	1:B:159:CYS:HA	3	0.75
(3,1399)	1:A:183:ARG:HB2	1:A:159:CYS:HA	3	0.75
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB2	3	0.75
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB3	3	0.75
(3,1399)	1:A:183:ARG:HB2	1:B:159:CYS:HA	3	0.75
(3,1399)	1:B:154:LEU:HB3	1:A:159:CYS:HA	3	0.75
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB2	3	0.75
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB3	3	0.75
(3,1399)	1:B:154:LEU:HB3	1:B:159:CYS:HA	3	0.75
(3,1181)	1:A:186:GLU:HB2	1:A:185:ILE:H	1	0.75
(3,1181)	1:A:186:GLU:HB2	1:B:185:ILE:H	1	0.75
(3,1181)	1:B:186:GLU:HB2	1:A:185:ILE:H	1	0.75
(3,1181)	1:B:186:GLU:HB2	1:B:185:ILE:H	1	0.75
(3,1057)	1:A:193:PHE:HB3	1:A:199:GLY:H	8	0.75
(3,1057)	1:A:193:PHE:HB3	1:B:199:GLY:H	8	0.75
(3,1057)	1:B:193:PHE:HB3	1:A:199:GLY:H	8	0.75
(3,1057)	1:B:193:PHE:HB3	1:B:199:GLY:H	8	0.75
(1,921)	1:A:157:ARG:H	1:A:160:LEU:HB3	1	0.75
(1,1987)	1:A:149:LYS:HA	1:A:159:CYS:HB3	6	0.75
(1,1987)	1:A:149:LYS:HA	1:B:159:CYS:HB3	6	0.75
(1,1987)	1:A:150:GLU:HA	1:A:159:CYS:HB3	6	0.75
(1,1987)	1:A:150:GLU:HA	1:B:159:CYS:HB3	6	0.75
(1,1987)	1:A:151:GLN:HA	1:A:159:CYS:HB3	6	0.75
(1,1987)	1:A:151:GLN:HA	1:B:159:CYS:HB3	6	0.75
(1,1987)	1:B:151:GLN:HA	1:A:159:CYS:HB3	6	0.75
(1,1987)	1:B:151:GLN:HA	1:B:159:CYS:HB3	6	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1826)	1:A:167:LYS:HE2	1:A:169:PHE:H	9	0.75
(1,1826)	1:A:167:LYS:HE2	1:B:169:PHE:H	9	0.75
(1,1826)	1:A:171:ASN:HB2	1:A:169:PHE:H	9	0.75
(1,1826)	1:A:171:ASN:HB2	1:B:169:PHE:H	9	0.75
(1,1826)	1:B:167:LYS:HE2	1:A:169:PHE:H	9	0.75
(1,1826)	1:B:167:LYS:HE2	1:B:169:PHE:H	9	0.75
(1,1826)	1:B:171:ASN:HB2	1:A:169:PHE:H	9	0.75
(1,1826)	1:B:171:ASN:HB2	1:B:169:PHE:H	9	0.75
(3,64)	1:A:196:LEU:H	1:A:196:LEU:HB3	6	0.74
(3,539)	1:A:183:ARG:HB3	1:A:183:ARG:HA	1	0.74
(3,451)	1:A:192:ILE:HA	1:A:195:LYS:HB3	10	0.74
(3,449)	1:A:211:ASP:HB2	1:A:212:GLY:H	5	0.74
(3,430)	1:A:168:GLY:HA3	1:A:169:PHE:H	9	0.74
(3,1477)	1:A:211:ASP:HB2	1:A:208:ALA:HA	7	0.74
(3,1477)	1:A:211:ASP:HB2	1:B:208:ALA:HA	7	0.74
(3,1477)	1:B:211:ASP:HB2	1:A:208:ALA:HA	7	0.74
(3,1477)	1:B:211:ASP:HB2	1:B:208:ALA:HA	7	0.74
(3,1399)	1:A:154:LEU:HB3	1:A:159:CYS:HA	6	0.74
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB2	6	0.74
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB3	6	0.74
(3,1399)	1:A:154:LEU:HB3	1:B:159:CYS:HA	6	0.74
(3,1399)	1:A:183:ARG:HB2	1:A:159:CYS:HA	6	0.74
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB2	6	0.74
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB3	6	0.74
(3,1399)	1:A:183:ARG:HB2	1:B:159:CYS:HA	6	0.74
(3,1399)	1:B:154:LEU:HB3	1:A:159:CYS:HA	6	0.74
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB2	6	0.74
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB3	6	0.74
(3,1399)	1:B:154:LEU:HB3	1:B:159:CYS:HA	6	0.74
(3,1358)	1:A:149:LYS:HB2	1:A:150:GLU:H	7	0.74
(3,1358)	1:A:150:GLU:HB2	1:A:150:GLU:H	7	0.74
(3,1358)	1:A:153:VAL:HB	1:A:150:GLU:H	7	0.74
(3,1181)	1:A:186:GLU:HB2	1:A:185:ILE:H	7	0.74
(3,1181)	1:A:186:GLU:HB2	1:B:185:ILE:H	7	0.74
(3,1181)	1:B:186:GLU:HB2	1:A:185:ILE:H	7	0.74
(3,1181)	1:B:186:GLU:HB2	1:B:185:ILE:H	7	0.74
(3,1181)	1:A:186:GLU:HB2	1:A:185:ILE:H	8	0.74
(3,1181)	1:A:186:GLU:HB2	1:B:185:ILE:H	8	0.74
(3,1181)	1:B:186:GLU:HB2	1:A:185:ILE:H	8	0.74
(3,1181)	1:B:186:GLU:HB2	1:B:185:ILE:H	8	0.74
(1,921)	1:A:157:ARG:H	1:A:160:LEU:HB3	9	0.74
(1,716)	1:A:184:SER:H	1:A:186:GLU:HB2	1	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1822)	1:A:158:GLU:HG3	1:A:193:PHE:H	1	0.74
(1,1822)	1:A:158:GLU:HG3	1:B:193:PHE:H	1	0.74
(1,1822)	1:A:186:GLU:HG2	1:A:193:PHE:H	1	0.74
(1,1822)	1:A:186:GLU:HG2	1:B:193:PHE:H	1	0.74
(1,1822)	1:A:203:GLU:HG2	1:A:193:PHE:H	1	0.74
(1,1822)	1:A:203:GLU:HG2	1:B:193:PHE:H	1	0.74
(1,1822)	1:A:205:VAL:HB	1:A:193:PHE:H	1	0.74
(1,1822)	1:A:205:VAL:HB	1:B:193:PHE:H	1	0.74
(1,1822)	1:B:158:GLU:HG3	1:A:193:PHE:H	1	0.74
(1,1822)	1:B:158:GLU:HG3	1:B:193:PHE:H	1	0.74
(1,1822)	1:B:186:GLU:HG2	1:A:193:PHE:H	1	0.74
(1,1822)	1:B:186:GLU:HG2	1:B:193:PHE:H	1	0.74
(1,1822)	1:B:203:GLU:HG2	1:A:193:PHE:H	1	0.74
(1,1822)	1:B:203:GLU:HG2	1:B:193:PHE:H	1	0.74
(1,1822)	1:B:205:VAL:HB	1:A:193:PHE:H	1	0.74
(1,1822)	1:B:205:VAL:HB	1:B:193:PHE:H	1	0.74
(3,56)	1:A:167:LYS:H	1:A:167:LYS:HB3	7	0.73
(3,430)	1:A:168:GLY:HA3	1:A:169:PHE:H	2	0.73
(3,430)	1:A:168:GLY:HA3	1:A:169:PHE:H	4	0.73
(3,430)	1:A:168:GLY:HA3	1:A:169:PHE:H	7	0.73
(3,1181)	1:A:186:GLU:HB2	1:A:185:ILE:H	9	0.73
(3,1181)	1:A:186:GLU:HB2	1:B:185:ILE:H	9	0.73
(3,1181)	1:B:186:GLU:HB2	1:A:185:ILE:H	9	0.73
(3,1181)	1:B:186:GLU:HB2	1:B:185:ILE:H	9	0.73
(3,1151)	1:A:163:GLN:HG3	1:A:160:LEU:H	9	0.73
(3,1151)	1:A:163:GLN:HG3	1:B:160:LEU:H	9	0.73
(3,1151)	1:B:163:GLN:HG3	1:A:160:LEU:H	9	0.73
(3,1151)	1:B:163:GLN:HG3	1:B:160:LEU:H	9	0.73
(1,1822)	1:A:158:GLU:HG3	1:A:193:PHE:H	3	0.73
(1,1822)	1:A:158:GLU:HG3	1:B:193:PHE:H	3	0.73
(1,1822)	1:A:186:GLU:HG2	1:A:193:PHE:H	3	0.73
(1,1822)	1:A:186:GLU:HG2	1:B:193:PHE:H	3	0.73
(1,1822)	1:A:203:GLU:HG2	1:A:193:PHE:H	3	0.73
(1,1822)	1:A:203:GLU:HG2	1:B:193:PHE:H	3	0.73
(1,1822)	1:A:205:VAL:HB	1:A:193:PHE:H	3	0.73
(1,1822)	1:A:205:VAL:HB	1:B:193:PHE:H	3	0.73
(1,1822)	1:B:158:GLU:HG3	1:A:193:PHE:H	3	0.73
(1,1822)	1:B:158:GLU:HG3	1:B:193:PHE:H	3	0.73
(1,1822)	1:B:186:GLU:HG2	1:A:193:PHE:H	3	0.73
(1,1822)	1:B:186:GLU:HG2	1:B:193:PHE:H	3	0.73
(1,1822)	1:B:203:GLU:HG2	1:A:193:PHE:H	3	0.73
(1,1822)	1:B:203:GLU:HG2	1:B:193:PHE:H	3	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1822)	1:B:205:VAL:HB	1:A:193:PHE:H	3	0.73
(1,1822)	1:B:205:VAL:HB	1:B:193:PHE:H	3	0.73
(3,64)	1:A:196:LEU:H	1:A:196:LEU:HB3	9	0.72
(3,593)	1:A:198:VAL:HG21	1:A:196:LEU:HB2	3	0.72
(3,593)	1:A:198:VAL:HG22	1:A:196:LEU:HB2	3	0.72
(3,593)	1:A:198:VAL:HG23	1:A:196:LEU:HB2	3	0.72
(3,56)	1:A:167:LYS:H	1:A:167:LYS:HB3	2	0.72
(3,56)	1:A:167:LYS:H	1:A:167:LYS:HB3	5	0.72
(3,430)	1:A:168:GLY:HA3	1:A:169:PHE:H	1	0.72
(3,430)	1:A:168:GLY:HA3	1:A:169:PHE:H	3	0.72
(3,430)	1:A:168:GLY:HA3	1:A:169:PHE:H	5	0.72
(3,430)	1:A:168:GLY:HA3	1:A:169:PHE:H	6	0.72
(3,430)	1:A:168:GLY:HA3	1:A:169:PHE:H	8	0.72
(3,430)	1:A:168:GLY:HA3	1:A:169:PHE:H	10	0.72
(3,1399)	1:A:154:LEU:HB3	1:A:159:CYS:HA	2	0.72
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB2	2	0.72
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB3	2	0.72
(3,1399)	1:A:154:LEU:HB3	1:B:159:CYS:HA	2	0.72
(3,1399)	1:A:183:ARG:HB2	1:A:159:CYS:HA	2	0.72
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB2	2	0.72
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB3	2	0.72
(3,1399)	1:A:183:ARG:HB2	1:B:159:CYS:HA	2	0.72
(3,1399)	1:B:154:LEU:HB3	1:A:159:CYS:HA	2	0.72
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB2	2	0.72
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB3	2	0.72
(3,1399)	1:B:154:LEU:HB3	1:B:159:CYS:HA	2	0.72
(3,1399)	1:A:154:LEU:HB3	1:A:159:CYS:HA	7	0.72
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB2	7	0.72
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB3	7	0.72
(3,1399)	1:A:154:LEU:HB3	1:B:159:CYS:HA	7	0.72
(3,1399)	1:A:183:ARG:HB2	1:A:159:CYS:HA	7	0.72
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB2	7	0.72
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB3	7	0.72
(3,1399)	1:A:183:ARG:HB2	1:B:159:CYS:HA	7	0.72
(3,1399)	1:B:154:LEU:HB3	1:A:159:CYS:HA	7	0.72
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB2	7	0.72
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB3	7	0.72
(3,1399)	1:B:154:LEU:HB3	1:B:159:CYS:HA	7	0.72
(1,1987)	1:A:149:LYS:HA	1:A:159:CYS:HB3	7	0.72
(1,1987)	1:A:149:LYS:HA	1:B:159:CYS:HB3	7	0.72
(1,1987)	1:A:150:GLU:HA	1:A:159:CYS:HB3	7	0.72
(1,1987)	1:A:150:GLU:HA	1:B:159:CYS:HB3	7	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1987)	1:A:151:GLN:HA	1:A:159:CYS:HB3	7	0.72
(1,1987)	1:A:151:GLN:HA	1:B:159:CYS:HB3	7	0.72
(1,1987)	1:B:151:GLN:HA	1:A:159:CYS:HB3	7	0.72
(1,1987)	1:B:151:GLN:HA	1:B:159:CYS:HB3	7	0.72
(1,1987)	1:A:149:LYS:HA	1:A:159:CYS:HB3	8	0.72
(1,1987)	1:A:149:LYS:HA	1:B:159:CYS:HB3	8	0.72
(1,1987)	1:A:150:GLU:HA	1:A:159:CYS:HB3	8	0.72
(1,1987)	1:A:150:GLU:HA	1:B:159:CYS:HB3	8	0.72
(1,1987)	1:A:151:GLN:HA	1:A:159:CYS:HB3	8	0.72
(1,1987)	1:A:151:GLN:HA	1:B:159:CYS:HB3	8	0.72
(1,1987)	1:B:151:GLN:HA	1:A:159:CYS:HB3	8	0.72
(1,1987)	1:B:151:GLN:HA	1:B:159:CYS:HB3	8	0.72
(3,625)	1:A:163:GLN:HG3	1:A:160:LEU:HA	8	0.71
(3,507)	1:A:157:ARG:HD2	1:A:157:ARG:HB3	4	0.71
(3,507)	1:A:157:ARG:HD3	1:A:157:ARG:HB3	4	0.71
(3,449)	1:A:211:ASP:HB2	1:A:212:GLY:H	1	0.71
(3,449)	1:A:211:ASP:HB2	1:A:212:GLY:H	7	0.71
(3,449)	1:A:211:ASP:HB2	1:A:212:GLY:H	10	0.71
(3,1358)	1:A:149:LYS:HB2	1:A:150:GLU:H	10	0.71
(3,1358)	1:A:150:GLU:HB2	1:A:150:GLU:H	10	0.71
(3,1358)	1:A:153:VAL:HB	1:A:150:GLU:H	10	0.71
(3,1181)	1:A:186:GLU:HB2	1:A:185:ILE:H	10	0.71
(3,1181)	1:A:186:GLU:HB2	1:B:185:ILE:H	10	0.71
(3,1181)	1:B:186:GLU:HB2	1:A:185:ILE:H	10	0.71
(3,1181)	1:B:186:GLU:HB2	1:B:185:ILE:H	10	0.71
(1,1826)	1:A:167:LYS:HE2	1:A:169:PHE:H	7	0.71
(1,1826)	1:A:167:LYS:HE2	1:B:169:PHE:H	7	0.71
(1,1826)	1:A:171:ASN:HB2	1:A:169:PHE:H	7	0.71
(1,1826)	1:A:171:ASN:HB2	1:B:169:PHE:H	7	0.71
(1,1826)	1:B:167:LYS:HE2	1:A:169:PHE:H	7	0.71
(1,1826)	1:B:167:LYS:HE2	1:B:169:PHE:H	7	0.71
(1,1826)	1:B:171:ASN:HB2	1:A:169:PHE:H	7	0.71
(1,1826)	1:B:171:ASN:HB2	1:B:169:PHE:H	7	0.71
(1,1437)	1:A:153:VAL:HG11	1:A:195:LYS:HB2	3	0.71
(1,1437)	1:A:153:VAL:HG12	1:A:195:LYS:HB2	3	0.71
(1,1437)	1:A:153:VAL:HG13	1:A:195:LYS:HB2	3	0.71
(3,625)	1:A:163:GLN:HG3	1:A:160:LEU:HA	6	0.7
(3,56)	1:A:167:LYS:H	1:A:167:LYS:HB3	1	0.7
(3,56)	1:A:167:LYS:H	1:A:167:LYS:HB3	4	0.7
(3,56)	1:A:167:LYS:H	1:A:167:LYS:HB3	8	0.7
(3,56)	1:A:167:LYS:H	1:A:167:LYS:HB3	9	0.7
(3,443)	1:A:194:ASN:HB2	1:A:195:LYS:H	9	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,433)	1:A:163:GLN:HG3	1:A:163:GLN:H	1	0.7
(3,1477)	1:A:211:ASP:HB2	1:A:208:ALA:HA	5	0.7
(3,1477)	1:A:211:ASP:HB2	1:B:208:ALA:HA	5	0.7
(3,1477)	1:B:211:ASP:HB2	1:A:208:ALA:HA	5	0.7
(3,1477)	1:B:211:ASP:HB2	1:B:208:ALA:HA	5	0.7
(3,1358)	1:A:149:LYS:HB2	1:A:150:GLU:H	4	0.7
(3,1358)	1:A:150:GLU:HB2	1:A:150:GLU:H	4	0.7
(3,1358)	1:A:153:VAL:HB	1:A:150:GLU:H	4	0.7
(3,1181)	1:A:186:GLU:HB2	1:A:185:ILE:H	5	0.7
(3,1181)	1:A:186:GLU:HB2	1:B:185:ILE:H	5	0.7
(3,1181)	1:B:186:GLU:HB2	1:A:185:ILE:H	5	0.7
(3,1181)	1:B:186:GLU:HB2	1:B:185:ILE:H	5	0.7
(3,1151)	1:A:163:GLN:HG3	1:A:160:LEU:H	6	0.7
(3,1151)	1:A:163:GLN:HG3	1:B:160:LEU:H	6	0.7
(3,1151)	1:B:163:GLN:HG3	1:A:160:LEU:H	6	0.7
(3,1151)	1:B:163:GLN:HG3	1:B:160:LEU:H	6	0.7
(1,1113)	1:A:182:LYS:H	1:A:172:GLN:HG3	4	0.7
(3,56)	1:A:167:LYS:H	1:A:167:LYS:HB3	6	0.69
(3,56)	1:A:167:LYS:H	1:A:167:LYS:HB3	10	0.69
(3,539)	1:A:183:ARG:HB3	1:A:183:ARG:HA	6	0.69
(3,1477)	1:A:211:ASP:HB2	1:A:208:ALA:HA	2	0.69
(3,1477)	1:A:211:ASP:HB2	1:B:208:ALA:HA	2	0.69
(3,1477)	1:B:211:ASP:HB2	1:A:208:ALA:HA	2	0.69
(3,1477)	1:B:211:ASP:HB2	1:B:208:ALA:HA	2	0.69
(3,1151)	1:A:163:GLN:HG3	1:A:160:LEU:H	3	0.69
(3,1151)	1:A:163:GLN:HG3	1:B:160:LEU:H	3	0.69
(3,1151)	1:B:163:GLN:HG3	1:A:160:LEU:H	3	0.69
(3,1151)	1:B:163:GLN:HG3	1:B:160:LEU:H	3	0.69
(3,662)	1:A:178:LEU:HD11	1:A:157:ARG:HG2	3	0.68
(3,662)	1:A:178:LEU:HD12	1:A:157:ARG:HG2	3	0.68
(3,662)	1:A:178:LEU:HD13	1:A:157:ARG:HG2	3	0.68
(3,449)	1:A:211:ASP:HB2	1:A:212:GLY:H	9	0.68
(3,443)	1:A:194:ASN:HB2	1:A:195:LYS:H	2	0.68
(3,433)	1:A:163:GLN:HG3	1:A:163:GLN:H	9	0.68
(3,26)	1:A:193:PHE:H	1:A:193:PHE:HB2	9	0.68
(3,143)	1:A:149:LYS:H	1:A:149:LYS:HB3	10	0.68
(3,1358)	1:A:149:LYS:HB2	1:A:150:GLU:H	2	0.68
(3,1358)	1:A:150:GLU:HB2	1:A:150:GLU:H	2	0.68
(3,1358)	1:A:153:VAL:HB	1:A:150:GLU:H	2	0.68
(1,1826)	1:A:167:LYS:HE2	1:A:169:PHE:H	8	0.68
(1,1826)	1:A:167:LYS:HE2	1:B:169:PHE:H	8	0.68
(1,1826)	1:A:171:ASN:HB2	1:A:169:PHE:H	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1826)	1:A:171:ASN:HB2	1:B:169:PHE:H	8	0.68
(1,1826)	1:B:167:LYS:HE2	1:A:169:PHE:H	8	0.68
(1,1826)	1:B:167:LYS:HE2	1:B:169:PHE:H	8	0.68
(1,1826)	1:B:171:ASN:HB2	1:A:169:PHE:H	8	0.68
(1,1826)	1:B:171:ASN:HB2	1:B:169:PHE:H	8	0.68
(3,64)	1:A:196:LEU:H	1:A:196:LEU:HB3	10	0.67
(3,56)	1:A:167:LYS:H	1:A:167:LYS:HB3	3	0.67
(3,539)	1:A:183:ARG:HB3	1:A:183:ARG:HA	2	0.67
(3,26)	1:A:193:PHE:H	1:A:193:PHE:HB2	1	0.67
(3,1358)	1:A:149:LYS:HB2	1:A:150:GLU:H	9	0.67
(3,1358)	1:A:150:GLU:HB2	1:A:150:GLU:H	9	0.67
(3,1358)	1:A:153:VAL:HB	1:A:150:GLU:H	9	0.67
(1,1826)	1:A:167:LYS:HE2	1:A:169:PHE:H	1	0.67
(1,1826)	1:A:167:LYS:HE2	1:B:169:PHE:H	1	0.67
(1,1826)	1:A:171:ASN:HB2	1:A:169:PHE:H	1	0.67
(1,1826)	1:A:171:ASN:HB2	1:B:169:PHE:H	1	0.67
(1,1826)	1:B:167:LYS:HE2	1:A:169:PHE:H	1	0.67
(1,1826)	1:B:167:LYS:HE2	1:B:169:PHE:H	1	0.67
(1,1826)	1:B:171:ASN:HB2	1:A:169:PHE:H	1	0.67
(1,1826)	1:B:171:ASN:HB2	1:B:169:PHE:H	1	0.67
(1,1826)	1:A:167:LYS:HE2	1:A:169:PHE:H	2	0.67
(1,1826)	1:A:167:LYS:HE2	1:B:169:PHE:H	2	0.67
(1,1826)	1:A:171:ASN:HB2	1:A:169:PHE:H	2	0.67
(1,1826)	1:A:171:ASN:HB2	1:B:169:PHE:H	2	0.67
(1,1826)	1:B:167:LYS:HE2	1:A:169:PHE:H	2	0.67
(1,1826)	1:B:167:LYS:HE2	1:B:169:PHE:H	2	0.67
(1,1826)	1:B:171:ASN:HB2	1:A:169:PHE:H	2	0.67
(1,1826)	1:B:171:ASN:HB2	1:B:169:PHE:H	2	0.67
(1,1826)	1:A:167:LYS:HE2	1:A:169:PHE:H	3	0.67
(1,1826)	1:A:167:LYS:HE2	1:B:169:PHE:H	3	0.67
(1,1826)	1:A:171:ASN:HB2	1:A:169:PHE:H	3	0.67
(1,1826)	1:A:171:ASN:HB2	1:B:169:PHE:H	3	0.67
(1,1826)	1:B:167:LYS:HE2	1:A:169:PHE:H	3	0.67
(1,1826)	1:B:167:LYS:HE2	1:B:169:PHE:H	3	0.67
(1,1826)	1:B:171:ASN:HB2	1:A:169:PHE:H	3	0.67
(1,1826)	1:B:171:ASN:HB2	1:B:169:PHE:H	3	0.67
(1,1826)	1:A:167:LYS:HE2	1:A:169:PHE:H	5	0.67
(1,1826)	1:A:167:LYS:HE2	1:B:169:PHE:H	5	0.67
(1,1826)	1:A:171:ASN:HB2	1:A:169:PHE:H	5	0.67
(1,1826)	1:A:171:ASN:HB2	1:B:169:PHE:H	5	0.67
(1,1826)	1:B:167:LYS:HE2	1:A:169:PHE:H	5	0.67
(1,1826)	1:B:167:LYS:HE2	1:B:169:PHE:H	5	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1826)	1:B:171:ASN:HB2	1:A:169:PHE:H	5	0.67
(1,1826)	1:B:171:ASN:HB2	1:B:169:PHE:H	5	0.67
(3,921)	1:A:183:ARG:HD2	1:A:183:ARG:H	6	0.66
(3,921)	1:A:183:ARG:HD2	1:A:188:SER:H	6	0.66
(3,921)	1:A:183:ARG:HD2	1:B:183:ARG:H	6	0.66
(3,921)	1:A:187:TYR:HB2	1:A:183:ARG:H	6	0.66
(3,921)	1:A:187:TYR:HB2	1:A:188:SER:H	6	0.66
(3,921)	1:A:187:TYR:HB2	1:B:183:ARG:H	6	0.66
(3,921)	1:B:183:ARG:HD2	1:A:183:ARG:H	6	0.66
(3,921)	1:B:183:ARG:HD2	1:A:188:SER:H	6	0.66
(3,921)	1:B:183:ARG:HD2	1:B:183:ARG:H	6	0.66
(3,625)	1:A:163:GLN:HG3	1:A:160:LEU:HA	7	0.66
(3,433)	1:A:163:GLN:HG3	1:A:163:GLN:H	2	0.66
(1,1826)	1:A:167:LYS:HE2	1:A:169:PHE:H	4	0.66
(1,1826)	1:A:167:LYS:HE2	1:B:169:PHE:H	4	0.66
(1,1826)	1:A:171:ASN:HB2	1:A:169:PHE:H	4	0.66
(1,1826)	1:A:171:ASN:HB2	1:B:169:PHE:H	4	0.66
(1,1826)	1:B:167:LYS:HE2	1:A:169:PHE:H	4	0.66
(1,1826)	1:B:167:LYS:HE2	1:B:169:PHE:H	4	0.66
(1,1826)	1:B:171:ASN:HB2	1:A:169:PHE:H	4	0.66
(1,1826)	1:B:171:ASN:HB2	1:B:169:PHE:H	4	0.66
(3,973)	1:A:173:GLU:HB2	1:A:170:THR:H	10	0.65
(3,973)	1:A:173:GLU:HB2	1:B:170:THR:H	10	0.65
(3,973)	1:B:173:GLU:HB2	1:A:170:THR:H	10	0.65
(3,973)	1:B:173:GLU:HB2	1:B:170:THR:H	10	0.65
(3,767)	1:B:209:LYS:HG2	1:A:209:LYS:HB2	7	0.65
(3,767)	1:B:209:LYS:HG3	1:A:209:LYS:HB2	7	0.65
(3,611)	1:A:154:LEU:HD21	1:A:195:LYS:HB2	6	0.65
(3,611)	1:A:154:LEU:HD22	1:A:195:LYS:HB2	6	0.65
(3,611)	1:A:154:LEU:HD23	1:A:195:LYS:HB2	6	0.65
(3,539)	1:A:183:ARG:HB3	1:A:183:ARG:HA	5	0.65
(3,507)	1:A:157:ARG:HD2	1:A:157:ARG:HB3	9	0.65
(3,507)	1:A:157:ARG:HD3	1:A:157:ARG:HB3	9	0.65
(3,448)	1:A:173:GLU:HB2	1:A:170:THR:H	2	0.65
(3,64)	1:A:196:LEU:H	1:A:196:LEU:HB3	8	0.64
(3,26)	1:A:193:PHE:H	1:A:193:PHE:HB2	8	0.64
(3,1254)	1:A:186:GLU:HB2	1:A:184:SER:H	1	0.64
(3,1254)	1:A:186:GLU:HB2	1:B:184:SER:H	1	0.64
(3,1254)	1:B:186:GLU:HB2	1:A:184:SER:H	1	0.64
(3,1254)	1:B:186:GLU:HB2	1:B:184:SER:H	1	0.64
(1,1826)	1:A:167:LYS:HE2	1:A:169:PHE:H	6	0.64
(1,1826)	1:A:167:LYS:HE2	1:B:169:PHE:H	6	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1826)	1:A:171:ASN:HB2	1:A:169:PHE:H	6	0.64
(1,1826)	1:A:171:ASN:HB2	1:B:169:PHE:H	6	0.64
(1,1826)	1:B:167:LYS:HE2	1:A:169:PHE:H	6	0.64
(1,1826)	1:B:167:LYS:HE2	1:B:169:PHE:H	6	0.64
(1,1826)	1:B:171:ASN:HB2	1:A:169:PHE:H	6	0.64
(1,1826)	1:B:171:ASN:HB2	1:B:169:PHE:H	6	0.64
(1,1822)	1:A:158:GLU:HG3	1:A:193:PHE:H	9	0.64
(1,1822)	1:A:158:GLU:HG3	1:B:193:PHE:H	9	0.64
(1,1822)	1:A:186:GLU:HG2	1:A:193:PHE:H	9	0.64
(1,1822)	1:A:186:GLU:HG2	1:B:193:PHE:H	9	0.64
(1,1822)	1:A:203:GLU:HG2	1:A:193:PHE:H	9	0.64
(1,1822)	1:A:203:GLU:HG2	1:B:193:PHE:H	9	0.64
(1,1822)	1:A:205:VAL:HB	1:A:193:PHE:H	9	0.64
(1,1822)	1:A:205:VAL:HB	1:B:193:PHE:H	9	0.64
(1,1822)	1:B:158:GLU:HG3	1:A:193:PHE:H	9	0.64
(1,1822)	1:B:158:GLU:HG3	1:B:193:PHE:H	9	0.64
(1,1822)	1:B:186:GLU:HG2	1:A:193:PHE:H	9	0.64
(1,1822)	1:B:186:GLU:HG2	1:B:193:PHE:H	9	0.64
(1,1822)	1:B:203:GLU:HG2	1:A:193:PHE:H	9	0.64
(1,1822)	1:B:203:GLU:HG2	1:B:193:PHE:H	9	0.64
(1,1822)	1:B:205:VAL:HB	1:A:193:PHE:H	9	0.64
(1,1822)	1:B:205:VAL:HB	1:B:193:PHE:H	9	0.64
(3,973)	1:A:173:GLU:HB2	1:A:170:THR:H	2	0.63
(3,973)	1:A:173:GLU:HB2	1:B:170:THR:H	2	0.63
(3,973)	1:B:173:GLU:HB2	1:A:170:THR:H	2	0.63
(3,973)	1:B:173:GLU:HB2	1:B:170:THR:H	2	0.63
(3,946)	1:A:193:PHE:HB2	1:A:194:ASN:H	8	0.63
(3,946)	1:A:193:PHE:HB2	1:B:194:ASN:H	8	0.63
(3,946)	1:B:193:PHE:HB2	1:A:194:ASN:H	8	0.63
(3,946)	1:B:193:PHE:HB2	1:B:194:ASN:H	8	0.63
(3,888)	1:A:151:GLN:HB2	1:A:151:GLN:H	9	0.63
(3,888)	1:A:151:GLN:HB2	1:A:186:GLU:H	9	0.63
(3,888)	1:A:151:GLN:HB2	1:B:151:GLN:H	9	0.63
(3,888)	1:A:186:GLU:HB2	1:A:151:GLN:H	9	0.63
(3,888)	1:A:186:GLU:HB2	1:A:186:GLU:H	9	0.63
(3,888)	1:A:186:GLU:HB2	1:B:151:GLN:H	9	0.63
(3,888)	1:B:151:GLN:HB2	1:A:151:GLN:H	9	0.63
(3,888)	1:B:151:GLN:HB2	1:A:186:GLU:H	9	0.63
(3,888)	1:B:151:GLN:HB2	1:B:151:GLN:H	9	0.63
(3,767)	1:B:209:LYS:HG2	1:A:209:LYS:HB2	5	0.63
(3,767)	1:B:209:LYS:HG3	1:A:209:LYS:HB2	5	0.63
(3,539)	1:A:183:ARG:HB3	1:A:183:ARG:HA	9	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,449)	1:A:211:ASP:HB2	1:A:212:GLY:H	3	0.63
(3,443)	1:A:194:ASN:HB2	1:A:195:LYS:H	1	0.63
(3,34)	1:A:164:GLU:H	1:A:163:GLN:HG2	1	0.63
(1,1822)	1:A:158:GLU:HG3	1:A:193:PHE:H	4	0.63
(1,1822)	1:A:158:GLU:HG3	1:B:193:PHE:H	4	0.63
(1,1822)	1:A:186:GLU:HG2	1:A:193:PHE:H	4	0.63
(1,1822)	1:A:186:GLU:HG2	1:B:193:PHE:H	4	0.63
(1,1822)	1:A:203:GLU:HG2	1:A:193:PHE:H	4	0.63
(1,1822)	1:A:203:GLU:HG2	1:B:193:PHE:H	4	0.63
(1,1822)	1:A:205:VAL:HB	1:A:193:PHE:H	4	0.63
(1,1822)	1:A:205:VAL:HB	1:B:193:PHE:H	4	0.63
(1,1822)	1:B:158:GLU:HG3	1:A:193:PHE:H	4	0.63
(1,1822)	1:B:158:GLU:HG3	1:B:193:PHE:H	4	0.63
(1,1822)	1:B:186:GLU:HG2	1:A:193:PHE:H	4	0.63
(1,1822)	1:B:186:GLU:HG2	1:B:193:PHE:H	4	0.63
(1,1822)	1:B:203:GLU:HG2	1:A:193:PHE:H	4	0.63
(1,1822)	1:B:203:GLU:HG2	1:B:193:PHE:H	4	0.63
(1,1822)	1:B:205:VAL:HB	1:A:193:PHE:H	4	0.63
(1,1822)	1:B:205:VAL:HB	1:B:193:PHE:H	4	0.63
(3,836)	1:A:149:LYS:HB2	1:A:150:GLU:H	7	0.62
(3,836)	1:A:149:LYS:HB2	1:A:166:GLU:H	7	0.62
(3,836)	1:A:149:LYS:HB2	1:B:166:GLU:H	7	0.62
(3,836)	1:A:166:GLU:HG2	1:A:150:GLU:H	7	0.62
(3,836)	1:A:166:GLU:HG2	1:A:166:GLU:H	7	0.62
(3,836)	1:A:166:GLU:HG2	1:B:166:GLU:H	7	0.62
(3,836)	1:B:166:GLU:HG2	1:A:150:GLU:H	7	0.62
(3,836)	1:B:166:GLU:HG2	1:A:166:GLU:H	7	0.62
(3,836)	1:B:166:GLU:HG2	1:B:166:GLU:H	7	0.62
(3,767)	1:B:209:LYS:HG2	1:A:209:LYS:HB2	3	0.62
(3,767)	1:B:209:LYS:HG3	1:A:209:LYS:HB2	3	0.62
(3,539)	1:A:183:ARG:HB3	1:A:183:ARG:HA	3	0.62
(3,449)	1:A:211:ASP:HB2	1:A:212:GLY:H	2	0.62
(3,448)	1:A:173:GLU:HB2	1:A:170:THR:H	10	0.62
(3,443)	1:A:194:ASN:HB2	1:A:195:LYS:H	5	0.62
(3,433)	1:A:163:GLN:HG3	1:A:163:GLN:H	6	0.62
(3,26)	1:A:193:PHE:H	1:A:193:PHE:HB2	7	0.62
(3,1477)	1:A:211:ASP:HB2	1:A:208:ALA:HA	3	0.62
(3,1477)	1:A:211:ASP:HB2	1:B:208:ALA:HA	3	0.62
(3,1477)	1:B:211:ASP:HB2	1:A:208:ALA:HA	3	0.62
(3,1477)	1:B:211:ASP:HB2	1:B:208:ALA:HA	3	0.62
(1,1826)	1:A:167:LYS:HE2	1:A:169:PHE:H	10	0.62
(1,1826)	1:A:167:LYS:HE2	1:B:169:PHE:H	10	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1826)	1:A:171:ASN:HB2	1:A:169:PHE:H	10	0.62
(1,1826)	1:A:171:ASN:HB2	1:B:169:PHE:H	10	0.62
(1,1826)	1:B:167:LYS:HE2	1:A:169:PHE:H	10	0.62
(1,1826)	1:B:167:LYS:HE2	1:B:169:PHE:H	10	0.62
(1,1826)	1:B:171:ASN:HB2	1:A:169:PHE:H	10	0.62
(1,1826)	1:B:171:ASN:HB2	1:B:169:PHE:H	10	0.62
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB1	5	0.61
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB2	5	0.61
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB3	5	0.61
(3,772)	1:A:182:LYS:H	1:A:182:LYS:HD2	5	0.61
(3,662)	1:A:178:LEU:HD11	1:A:157:ARG:HG2	6	0.61
(3,662)	1:A:178:LEU:HD12	1:A:157:ARG:HG2	6	0.61
(3,662)	1:A:178:LEU:HD13	1:A:157:ARG:HG2	6	0.61
(3,539)	1:A:183:ARG:HB3	1:A:183:ARG:HA	10	0.61
(3,26)	1:A:193:PHE:H	1:A:193:PHE:HB2	10	0.61
(1,1276)	1:B:201:ARG:HD2	1:A:201:ARG:HB2	9	0.61
(1,1276)	1:B:201:ARG:HD3	1:A:201:ARG:HB2	9	0.61
(3,887)	1:A:151:GLN:HG2	1:A:151:GLN:H	4	0.6
(3,887)	1:A:151:GLN:HG2	1:B:151:GLN:H	4	0.6
(3,887)	1:B:151:GLN:HG2	1:A:151:GLN:H	4	0.6
(3,887)	1:B:151:GLN:HG2	1:B:151:GLN:H	4	0.6
(3,836)	1:A:149:LYS:HB2	1:A:150:GLU:H	10	0.6
(3,836)	1:A:149:LYS:HB2	1:A:166:GLU:H	10	0.6
(3,836)	1:A:149:LYS:HB2	1:B:166:GLU:H	10	0.6
(3,836)	1:A:166:GLU:HG2	1:A:150:GLU:H	10	0.6
(3,836)	1:A:166:GLU:HG2	1:A:166:GLU:H	10	0.6
(3,836)	1:A:166:GLU:HG2	1:B:166:GLU:H	10	0.6
(3,836)	1:B:166:GLU:HG2	1:A:150:GLU:H	10	0.6
(3,836)	1:B:166:GLU:HG2	1:A:166:GLU:H	10	0.6
(3,836)	1:B:166:GLU:HG2	1:B:166:GLU:H	10	0.6
(3,662)	1:A:178:LEU:HD11	1:A:157:ARG:HG2	10	0.6
(3,662)	1:A:178:LEU:HD12	1:A:157:ARG:HG2	10	0.6
(3,662)	1:A:178:LEU:HD13	1:A:157:ARG:HG2	10	0.6
(3,425)	1:A:203:GLU:HG2	1:A:203:GLU:H	7	0.6
(3,1488)	1:A:189:LEU:HG	1:A:201:ARG:HD2	2	0.6
(3,1488)	1:A:189:LEU:HG	1:B:201:ARG:HD2	2	0.6
(3,1488)	1:A:201:ARG:HB3	1:A:201:ARG:HD2	2	0.6
(3,1488)	1:A:201:ARG:HB3	1:B:201:ARG:HD2	2	0.6
(3,1488)	1:B:201:ARG:HB3	1:A:201:ARG:HD2	2	0.6
(3,1488)	1:B:201:ARG:HB3	1:B:201:ARG:HD2	2	0.6
(3,1488)	1:A:189:LEU:HG	1:A:201:ARG:HD2	10	0.6
(3,1488)	1:A:189:LEU:HG	1:B:201:ARG:HD2	10	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1488)	1:A:201:ARG:HB3	1:A:201:ARG:HD2	10	0.6
(3,1488)	1:A:201:ARG:HB3	1:B:201:ARG:HD2	10	0.6
(3,1488)	1:B:201:ARG:HB3	1:A:201:ARG:HD2	10	0.6
(3,1488)	1:B:201:ARG:HB3	1:B:201:ARG:HD2	10	0.6
(3,1477)	1:A:211:ASP:HB2	1:A:208:ALA:HA	10	0.6
(3,1477)	1:A:211:ASP:HB2	1:B:208:ALA:HA	10	0.6
(3,1477)	1:B:211:ASP:HB2	1:A:208:ALA:HA	10	0.6
(3,1477)	1:B:211:ASP:HB2	1:B:208:ALA:HA	10	0.6
(3,1399)	1:A:154:LEU:HB3	1:A:159:CYS:HA	9	0.6
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB2	9	0.6
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB3	9	0.6
(3,1399)	1:A:154:LEU:HB3	1:B:159:CYS:HA	9	0.6
(3,1399)	1:A:183:ARG:HB2	1:A:159:CYS:HA	9	0.6
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB2	9	0.6
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB3	9	0.6
(3,1399)	1:A:183:ARG:HB2	1:B:159:CYS:HA	9	0.6
(3,1399)	1:B:154:LEU:HB3	1:A:159:CYS:HA	9	0.6
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB2	9	0.6
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB3	9	0.6
(3,1399)	1:B:154:LEU:HB3	1:B:159:CYS:HA	9	0.6
(3,1358)	1:A:149:LYS:HB2	1:A:150:GLU:H	3	0.6
(3,1358)	1:A:150:GLU:HB2	1:A:150:GLU:H	3	0.6
(3,1358)	1:A:153:VAL:HB	1:A:150:GLU:H	3	0.6
(1,1837)	1:A:171:ASN:HB3	1:A:185:ILE:H	2	0.6
(1,1837)	1:A:171:ASN:HB3	1:B:185:ILE:H	2	0.6
(1,1837)	1:B:171:ASN:HB3	1:A:185:ILE:H	2	0.6
(1,1837)	1:B:171:ASN:HB3	1:B:185:ILE:H	2	0.6
(1,1837)	1:A:171:ASN:HB3	1:A:185:ILE:H	10	0.6
(1,1837)	1:A:171:ASN:HB3	1:B:185:ILE:H	10	0.6
(1,1837)	1:B:171:ASN:HB3	1:A:185:ILE:H	10	0.6
(1,1837)	1:B:171:ASN:HB3	1:B:185:ILE:H	10	0.6
(1,1822)	1:A:158:GLU:HG3	1:A:193:PHE:H	2	0.6
(1,1822)	1:A:158:GLU:HG3	1:B:193:PHE:H	2	0.6
(1,1822)	1:A:186:GLU:HG2	1:A:193:PHE:H	2	0.6
(1,1822)	1:A:186:GLU:HG2	1:B:193:PHE:H	2	0.6
(1,1822)	1:A:203:GLU:HG2	1:A:193:PHE:H	2	0.6
(1,1822)	1:A:203:GLU:HG2	1:B:193:PHE:H	2	0.6
(1,1822)	1:A:205:VAL:HB	1:A:193:PHE:H	2	0.6
(1,1822)	1:A:205:VAL:HB	1:B:193:PHE:H	2	0.6
(1,1822)	1:B:158:GLU:HG3	1:A:193:PHE:H	2	0.6
(1,1822)	1:B:158:GLU:HG3	1:B:193:PHE:H	2	0.6
(1,1822)	1:B:186:GLU:HG2	1:A:193:PHE:H	2	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1822)	1:B:186:GLU:HG2	1:B:193:PHE:H	2	0.6
(1,1822)	1:B:203:GLU:HG2	1:A:193:PHE:H	2	0.6
(1,1822)	1:B:203:GLU:HG2	1:B:193:PHE:H	2	0.6
(1,1822)	1:B:205:VAL:HB	1:A:193:PHE:H	2	0.6
(1,1822)	1:B:205:VAL:HB	1:B:193:PHE:H	2	0.6
(3,767)	1:B:209:LYS:HG2	1:A:209:LYS:HB2	4	0.59
(3,767)	1:B:209:LYS:HG3	1:A:209:LYS:HB2	4	0.59
(3,433)	1:A:163:GLN:HG3	1:A:163:GLN:H	3	0.59
(3,425)	1:A:203:GLU:HG2	1:A:203:GLU:H	3	0.59
(3,26)	1:A:193:PHE:H	1:A:193:PHE:HB2	4	0.59
(3,1151)	1:A:163:GLN:HG3	1:A:160:LEU:H	7	0.59
(3,1151)	1:A:163:GLN:HG3	1:B:160:LEU:H	7	0.59
(3,1151)	1:B:163:GLN:HG3	1:A:160:LEU:H	7	0.59
(3,1151)	1:B:163:GLN:HG3	1:B:160:LEU:H	7	0.59
(1,476)	1:A:176:ASP:H	1:A:173:GLU:HG2	5	0.59
(1,1837)	1:A:171:ASN:HB3	1:A:185:ILE:H	3	0.59
(1,1837)	1:A:171:ASN:HB3	1:B:185:ILE:H	3	0.59
(1,1837)	1:B:171:ASN:HB3	1:A:185:ILE:H	3	0.59
(1,1837)	1:B:171:ASN:HB3	1:B:185:ILE:H	3	0.59
(1,1822)	1:A:158:GLU:HG3	1:A:193:PHE:H	5	0.59
(1,1822)	1:A:158:GLU:HG3	1:B:193:PHE:H	5	0.59
(1,1822)	1:A:186:GLU:HG2	1:A:193:PHE:H	5	0.59
(1,1822)	1:A:186:GLU:HG2	1:B:193:PHE:H	5	0.59
(1,1822)	1:A:203:GLU:HG2	1:A:193:PHE:H	5	0.59
(1,1822)	1:A:203:GLU:HG2	1:B:193:PHE:H	5	0.59
(1,1822)	1:A:205:VAL:HB	1:A:193:PHE:H	5	0.59
(1,1822)	1:A:205:VAL:HB	1:B:193:PHE:H	5	0.59
(1,1822)	1:B:158:GLU:HG3	1:A:193:PHE:H	5	0.59
(1,1822)	1:B:158:GLU:HG3	1:B:193:PHE:H	5	0.59
(1,1822)	1:B:186:GLU:HG2	1:A:193:PHE:H	5	0.59
(1,1822)	1:B:186:GLU:HG2	1:B:193:PHE:H	5	0.59
(1,1822)	1:B:203:GLU:HG2	1:A:193:PHE:H	5	0.59
(1,1822)	1:B:203:GLU:HG2	1:B:193:PHE:H	5	0.59
(1,1822)	1:B:205:VAL:HB	1:A:193:PHE:H	5	0.59
(1,1822)	1:B:205:VAL:HB	1:B:193:PHE:H	5	0.59
(3,946)	1:A:193:PHE:HB2	1:A:194:ASN:H	6	0.58
(3,946)	1:A:193:PHE:HB2	1:B:194:ASN:H	6	0.58
(3,946)	1:B:193:PHE:HB2	1:A:194:ASN:H	6	0.58
(3,946)	1:B:193:PHE:HB2	1:B:194:ASN:H	6	0.58
(3,946)	1:A:193:PHE:HB2	1:A:194:ASN:H	10	0.58
(3,946)	1:A:193:PHE:HB2	1:B:194:ASN:H	10	0.58
(3,946)	1:B:193:PHE:HB2	1:A:194:ASN:H	10	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,946)	1:B:193:PHE:HB2	1:B:194:ASN:H	10	0.58
(3,836)	1:A:149:LYS:HB2	1:A:150:GLU:H	9	0.58
(3,836)	1:A:149:LYS:HB2	1:A:166:GLU:H	9	0.58
(3,836)	1:A:149:LYS:HB2	1:B:166:GLU:H	9	0.58
(3,836)	1:A:166:GLU:HG2	1:A:150:GLU:H	9	0.58
(3,836)	1:A:166:GLU:HG2	1:A:166:GLU:H	9	0.58
(3,836)	1:A:166:GLU:HG2	1:B:166:GLU:H	9	0.58
(3,836)	1:B:166:GLU:HG2	1:A:150:GLU:H	9	0.58
(3,836)	1:B:166:GLU:HG2	1:A:166:GLU:H	9	0.58
(3,836)	1:B:166:GLU:HG2	1:B:166:GLU:H	9	0.58
(3,64)	1:A:196:LEU:H	1:A:196:LEU:HB3	5	0.58
(3,433)	1:A:163:GLN:HG3	1:A:163:GLN:H	7	0.58
(3,433)	1:A:163:GLN:HG3	1:A:163:GLN:H	10	0.58
(3,34)	1:A:164:GLU:H	1:A:163:GLN:HG2	4	0.58
(3,1488)	1:A:189:LEU:HG	1:A:201:ARG:HD2	9	0.58
(3,1488)	1:A:189:LEU:HG	1:B:201:ARG:HD2	9	0.58
(3,1488)	1:A:201:ARG:HB3	1:A:201:ARG:HD2	9	0.58
(3,1488)	1:A:201:ARG:HB3	1:B:201:ARG:HD2	9	0.58
(3,1488)	1:B:201:ARG:HB3	1:A:201:ARG:HD2	9	0.58
(3,1488)	1:B:201:ARG:HB3	1:B:201:ARG:HD2	9	0.58
(1,1837)	1:A:171:ASN:HB3	1:A:185:ILE:H	5	0.58
(1,1837)	1:A:171:ASN:HB3	1:B:185:ILE:H	5	0.58
(1,1837)	1:B:171:ASN:HB3	1:A:185:ILE:H	5	0.58
(1,1837)	1:B:171:ASN:HB3	1:B:185:ILE:H	5	0.58
(1,1822)	1:A:158:GLU:HG3	1:A:193:PHE:H	7	0.58
(1,1822)	1:A:158:GLU:HG3	1:B:193:PHE:H	7	0.58
(1,1822)	1:A:186:GLU:HG2	1:A:193:PHE:H	7	0.58
(1,1822)	1:A:186:GLU:HG2	1:B:193:PHE:H	7	0.58
(1,1822)	1:A:203:GLU:HG2	1:A:193:PHE:H	7	0.58
(1,1822)	1:A:203:GLU:HG2	1:B:193:PHE:H	7	0.58
(1,1822)	1:A:205:VAL:HB	1:A:193:PHE:H	7	0.58
(1,1822)	1:A:205:VAL:HB	1:B:193:PHE:H	7	0.58
(1,1822)	1:B:158:GLU:HG3	1:A:193:PHE:H	7	0.58
(1,1822)	1:B:158:GLU:HG3	1:B:193:PHE:H	7	0.58
(1,1822)	1:B:186:GLU:HG2	1:A:193:PHE:H	7	0.58
(1,1822)	1:B:186:GLU:HG2	1:B:193:PHE:H	7	0.58
(1,1822)	1:B:203:GLU:HG2	1:A:193:PHE:H	7	0.58
(1,1822)	1:B:203:GLU:HG2	1:B:193:PHE:H	7	0.58
(1,1822)	1:B:205:VAL:HB	1:A:193:PHE:H	7	0.58
(1,1822)	1:B:205:VAL:HB	1:B:193:PHE:H	7	0.58
(3,973)	1:A:173:GLU:HB2	1:A:170:THR:H	1	0.57
(3,973)	1:A:173:GLU:HB2	1:B:170:THR:H	1	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,973)	1:B:173:GLU:HB2	1:A:170:THR:H	1	0.57
(3,973)	1:B:173:GLU:HB2	1:B:170:THR:H	1	0.57
(3,539)	1:A:183:ARG:HB3	1:A:183:ARG:HA	8	0.57
(3,433)	1:A:163:GLN:HG3	1:A:163:GLN:H	8	0.57
(3,425)	1:A:203:GLU:HG2	1:A:203:GLU:H	8	0.57
(3,1488)	1:A:189:LEU:HG	1:A:201:ARG:HD2	4	0.57
(3,1488)	1:A:189:LEU:HG	1:B:201:ARG:HD2	4	0.57
(3,1488)	1:A:201:ARG:HB3	1:A:201:ARG:HD2	4	0.57
(3,1488)	1:A:201:ARG:HB3	1:B:201:ARG:HD2	4	0.57
(3,1488)	1:B:201:ARG:HB3	1:A:201:ARG:HD2	4	0.57
(3,1488)	1:B:201:ARG:HB3	1:B:201:ARG:HD2	4	0.57
(1,716)	1:A:184:SER:H	1:A:186:GLU:HB2	5	0.57
(1,1822)	1:A:158:GLU:HG3	1:A:193:PHE:H	10	0.57
(1,1822)	1:A:158:GLU:HG3	1:B:193:PHE:H	10	0.57
(1,1822)	1:A:186:GLU:HG2	1:A:193:PHE:H	10	0.57
(1,1822)	1:A:186:GLU:HG2	1:B:193:PHE:H	10	0.57
(1,1822)	1:A:203:GLU:HG2	1:A:193:PHE:H	10	0.57
(1,1822)	1:A:203:GLU:HG2	1:B:193:PHE:H	10	0.57
(1,1822)	1:A:205:VAL:HB	1:A:193:PHE:H	10	0.57
(1,1822)	1:A:205:VAL:HB	1:B:193:PHE:H	10	0.57
(1,1822)	1:B:158:GLU:HG3	1:A:193:PHE:H	10	0.57
(1,1822)	1:B:158:GLU:HG3	1:B:193:PHE:H	10	0.57
(1,1822)	1:B:186:GLU:HG2	1:A:193:PHE:H	10	0.57
(1,1822)	1:B:186:GLU:HG2	1:B:193:PHE:H	10	0.57
(1,1822)	1:B:203:GLU:HG2	1:A:193:PHE:H	10	0.57
(1,1822)	1:B:203:GLU:HG2	1:B:193:PHE:H	10	0.57
(1,1822)	1:B:205:VAL:HB	1:A:193:PHE:H	10	0.57
(1,1822)	1:B:205:VAL:HB	1:B:193:PHE:H	10	0.57
(3,946)	1:A:193:PHE:HB2	1:A:194:ASN:H	1	0.56
(3,946)	1:A:193:PHE:HB2	1:B:194:ASN:H	1	0.56
(3,946)	1:B:193:PHE:HB2	1:A:194:ASN:H	1	0.56
(3,946)	1:B:193:PHE:HB2	1:B:194:ASN:H	1	0.56
(3,946)	1:A:193:PHE:HB2	1:A:194:ASN:H	2	0.56
(3,946)	1:A:193:PHE:HB2	1:B:194:ASN:H	2	0.56
(3,946)	1:B:193:PHE:HB2	1:A:194:ASN:H	2	0.56
(3,946)	1:B:193:PHE:HB2	1:B:194:ASN:H	2	0.56
(3,946)	1:A:193:PHE:HB2	1:A:194:ASN:H	3	0.56
(3,946)	1:A:193:PHE:HB2	1:B:194:ASN:H	3	0.56
(3,946)	1:B:193:PHE:HB2	1:A:194:ASN:H	3	0.56
(3,946)	1:B:193:PHE:HB2	1:B:194:ASN:H	3	0.56
(3,64)	1:A:196:LEU:H	1:A:196:LEU:HB3	7	0.56
(3,449)	1:A:211:ASP:HB2	1:A:212:GLY:H	6	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,443)	1:A:194:ASN:HB2	1:A:195:LYS:H	4	0.56
(3,26)	1:A:193:PHE:H	1:A:193:PHE:HB2	2	0.56
(3,1422)	1:A:158:GLU:HG2	1:A:158:GLU:HA	8	0.56
(3,1422)	1:A:158:GLU:HG2	1:B:158:GLU:HA	8	0.56
(3,1422)	1:B:158:GLU:HG2	1:A:158:GLU:HA	8	0.56
(3,1422)	1:B:158:GLU:HG2	1:B:158:GLU:HA	8	0.56
(3,1107)	1:A:173:GLU:HB2	1:A:172:GLN:H	3	0.56
(3,1107)	1:A:173:GLU:HB2	1:B:172:GLN:H	3	0.56
(3,1107)	1:A:182:LYS:HB3	1:A:172:GLN:H	3	0.56
(3,1107)	1:A:182:LYS:HB3	1:B:172:GLN:H	3	0.56
(3,1107)	1:B:173:GLU:HB2	1:A:172:GLN:H	3	0.56
(3,1107)	1:B:173:GLU:HB2	1:B:172:GLN:H	3	0.56
(3,1107)	1:B:182:LYS:HB3	1:A:172:GLN:H	3	0.56
(3,1107)	1:B:182:LYS:HB3	1:B:172:GLN:H	3	0.56
(3,1107)	1:A:173:GLU:HB2	1:A:172:GLN:H	6	0.56
(3,1107)	1:A:173:GLU:HB2	1:B:172:GLN:H	6	0.56
(3,1107)	1:A:182:LYS:HB3	1:A:172:GLN:H	6	0.56
(3,1107)	1:A:182:LYS:HB3	1:B:172:GLN:H	6	0.56
(3,1107)	1:B:173:GLU:HB2	1:A:172:GLN:H	6	0.56
(3,1107)	1:B:173:GLU:HB2	1:B:172:GLN:H	6	0.56
(3,1107)	1:B:182:LYS:HB3	1:A:172:GLN:H	6	0.56
(3,1107)	1:B:182:LYS:HB3	1:B:172:GLN:H	6	0.56
(1,1837)	1:A:171:ASN:HB3	1:A:185:ILE:H	7	0.56
(1,1837)	1:A:171:ASN:HB3	1:B:185:ILE:H	7	0.56
(1,1837)	1:B:171:ASN:HB3	1:A:185:ILE:H	7	0.56
(1,1837)	1:B:171:ASN:HB3	1:B:185:ILE:H	7	0.56
(3,973)	1:A:173:GLU:HB2	1:A:170:THR:H	6	0.55
(3,973)	1:A:173:GLU:HB2	1:B:170:THR:H	6	0.55
(3,973)	1:B:173:GLU:HB2	1:A:170:THR:H	6	0.55
(3,973)	1:B:173:GLU:HB2	1:B:170:THR:H	6	0.55
(3,973)	1:A:173:GLU:HB2	1:A:170:THR:H	7	0.55
(3,973)	1:A:173:GLU:HB2	1:B:170:THR:H	7	0.55
(3,973)	1:B:173:GLU:HB2	1:A:170:THR:H	7	0.55
(3,973)	1:B:173:GLU:HB2	1:B:170:THR:H	7	0.55
(3,836)	1:A:149:LYS:HB2	1:A:150:GLU:H	1	0.55
(3,836)	1:A:149:LYS:HB2	1:A:166:GLU:H	1	0.55
(3,836)	1:A:149:LYS:HB2	1:B:166:GLU:H	1	0.55
(3,836)	1:A:166:GLU:HG2	1:A:150:GLU:H	1	0.55
(3,836)	1:A:166:GLU:HG2	1:A:166:GLU:H	1	0.55
(3,836)	1:A:166:GLU:HG2	1:B:166:GLU:H	1	0.55
(3,836)	1:B:166:GLU:HG2	1:A:150:GLU:H	1	0.55
(3,836)	1:B:166:GLU:HG2	1:A:166:GLU:H	1	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,836)	1:B:166:GLU:HG2	1:B:166:GLU:H	1	0.55
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB1	8	0.55
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB2	8	0.55
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB3	8	0.55
(3,772)	1:A:182:LYS:H	1:A:182:LYS:HD2	8	0.55
(3,448)	1:A:173:GLU:HB2	1:A:170:THR:H	8	0.55
(3,1254)	1:A:186:GLU:HB2	1:A:184:SER:H	5	0.55
(3,1254)	1:A:186:GLU:HB2	1:B:184:SER:H	5	0.55
(3,1254)	1:B:186:GLU:HB2	1:A:184:SER:H	5	0.55
(3,1254)	1:B:186:GLU:HB2	1:B:184:SER:H	5	0.55
(3,1151)	1:A:163:GLN:HG3	1:A:160:LEU:H	10	0.55
(3,1151)	1:A:163:GLN:HG3	1:B:160:LEU:H	10	0.55
(3,1151)	1:B:163:GLN:HG3	1:A:160:LEU:H	10	0.55
(3,1151)	1:B:163:GLN:HG3	1:B:160:LEU:H	10	0.55
(1,1276)	1:B:201:ARG:HD2	1:A:201:ARG:HB2	10	0.55
(1,1276)	1:B:201:ARG:HD3	1:A:201:ARG:HB2	10	0.55
(3,921)	1:A:183:ARG:HD2	1:A:183:ARG:H	9	0.54
(3,921)	1:A:183:ARG:HD2	1:A:188:SER:H	9	0.54
(3,921)	1:A:183:ARG:HD2	1:B:183:ARG:H	9	0.54
(3,921)	1:A:187:TYR:HB2	1:A:183:ARG:H	9	0.54
(3,921)	1:A:187:TYR:HB2	1:A:188:SER:H	9	0.54
(3,921)	1:A:187:TYR:HB2	1:B:183:ARG:H	9	0.54
(3,921)	1:B:183:ARG:HD2	1:A:183:ARG:H	9	0.54
(3,921)	1:B:183:ARG:HD2	1:A:188:SER:H	9	0.54
(3,921)	1:B:183:ARG:HD2	1:B:183:ARG:H	9	0.54
(3,836)	1:A:149:LYS:HB2	1:A:150:GLU:H	5	0.54
(3,836)	1:A:149:LYS:HB2	1:A:166:GLU:H	5	0.54
(3,836)	1:A:149:LYS:HB2	1:B:166:GLU:H	5	0.54
(3,836)	1:A:166:GLU:HG2	1:A:150:GLU:H	5	0.54
(3,836)	1:A:166:GLU:HG2	1:A:166:GLU:H	5	0.54
(3,836)	1:A:166:GLU:HG2	1:B:166:GLU:H	5	0.54
(3,836)	1:B:166:GLU:HG2	1:A:150:GLU:H	5	0.54
(3,836)	1:B:166:GLU:HG2	1:A:166:GLU:H	5	0.54
(3,836)	1:B:166:GLU:HG2	1:B:166:GLU:H	5	0.54
(3,836)	1:A:149:LYS:HB2	1:A:150:GLU:H	8	0.54
(3,836)	1:A:149:LYS:HB2	1:A:166:GLU:H	8	0.54
(3,836)	1:A:149:LYS:HB2	1:B:166:GLU:H	8	0.54
(3,836)	1:A:166:GLU:HG2	1:A:150:GLU:H	8	0.54
(3,836)	1:A:166:GLU:HG2	1:A:166:GLU:H	8	0.54
(3,836)	1:A:166:GLU:HG2	1:B:166:GLU:H	8	0.54
(3,836)	1:B:166:GLU:HG2	1:A:150:GLU:H	8	0.54
(3,836)	1:B:166:GLU:HG2	1:A:166:GLU:H	8	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,836)	1:B:166:GLU:HG2	1:B:166:GLU:H	8	0.54
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB1	6	0.54
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB2	6	0.54
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB3	6	0.54
(3,772)	1:A:182:LYS:H	1:A:182:LYS:HD2	6	0.54
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB1	7	0.54
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB2	7	0.54
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB3	7	0.54
(3,772)	1:A:182:LYS:H	1:A:182:LYS:HD2	7	0.54
(3,767)	1:B:209:LYS:HG2	1:A:209:LYS:HB2	6	0.54
(3,767)	1:B:209:LYS:HG3	1:A:209:LYS:HB2	6	0.54
(3,539)	1:A:183:ARG:HB3	1:A:183:ARG:HA	7	0.54
(3,1426)	1:A:157:ARG:HD2	1:A:157:ARG:HA	6	0.54
(3,1426)	1:A:157:ARG:HD2	1:A:183:ARG:HA	6	0.54
(3,1426)	1:A:157:ARG:HD2	1:B:157:ARG:HA	6	0.54
(3,1426)	1:A:157:ARG:HD2	1:B:183:ARG:HA	6	0.54
(3,1426)	1:A:159:CYS:HB2	1:A:157:ARG:HA	6	0.54
(3,1426)	1:A:159:CYS:HB2	1:A:183:ARG:HA	6	0.54
(3,1426)	1:A:159:CYS:HB2	1:B:157:ARG:HA	6	0.54
(3,1426)	1:A:159:CYS:HB2	1:B:183:ARG:HA	6	0.54
(3,1426)	1:A:183:ARG:HD2	1:A:157:ARG:HA	6	0.54
(3,1426)	1:A:183:ARG:HD2	1:A:183:ARG:HA	6	0.54
(3,1426)	1:A:183:ARG:HD2	1:B:157:ARG:HA	6	0.54
(3,1426)	1:A:183:ARG:HD2	1:B:183:ARG:HA	6	0.54
(3,1426)	1:B:156:PRO:HD2	1:A:157:ARG:HA	6	0.54
(3,1426)	1:B:156:PRO:HD2	1:A:183:ARG:HA	6	0.54
(3,1426)	1:B:156:PRO:HD2	1:B:157:ARG:HA	6	0.54
(3,1426)	1:B:156:PRO:HD2	1:B:183:ARG:HA	6	0.54
(3,1426)	1:B:157:ARG:HD2	1:A:157:ARG:HA	6	0.54
(3,1426)	1:B:157:ARG:HD2	1:A:183:ARG:HA	6	0.54
(3,1426)	1:B:157:ARG:HD2	1:B:157:ARG:HA	6	0.54
(3,1426)	1:B:157:ARG:HD2	1:B:183:ARG:HA	6	0.54
(3,1426)	1:B:183:ARG:HD2	1:A:157:ARG:HA	6	0.54
(3,1426)	1:B:183:ARG:HD2	1:A:183:ARG:HA	6	0.54
(3,1426)	1:B:183:ARG:HD2	1:B:157:ARG:HA	6	0.54
(3,1426)	1:B:183:ARG:HD2	1:B:183:ARG:HA	6	0.54
(1,716)	1:A:184:SER:H	1:A:186:GLU:HB2	6	0.54
(1,476)	1:A:176:ASP:H	1:A:173:GLU:HG2	1	0.54
(1,1987)	1:A:149:LYS:HA	1:A:159:CYS:HB3	10	0.54
(1,1987)	1:A:149:LYS:HA	1:B:159:CYS:HB3	10	0.54
(1,1987)	1:A:150:GLU:HA	1:A:159:CYS:HB3	10	0.54
(1,1987)	1:A:150:GLU:HA	1:B:159:CYS:HB3	10	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1987)	1:A:151:GLN:HA	1:A:159:CYS:HB3	10	0.54
(1,1987)	1:A:151:GLN:HA	1:B:159:CYS:HB3	10	0.54
(1,1987)	1:B:151:GLN:HA	1:A:159:CYS:HB3	10	0.54
(1,1987)	1:B:151:GLN:HA	1:B:159:CYS:HB3	10	0.54
(1,1837)	1:A:171:ASN:HB3	1:A:185:ILE:H	9	0.54
(1,1837)	1:A:171:ASN:HB3	1:B:185:ILE:H	9	0.54
(1,1837)	1:B:171:ASN:HB3	1:A:185:ILE:H	9	0.54
(1,1837)	1:B:171:ASN:HB3	1:B:185:ILE:H	9	0.54
(3,973)	1:A:173:GLU:HB2	1:A:170:THR:H	4	0.53
(3,973)	1:A:173:GLU:HB2	1:B:170:THR:H	4	0.53
(3,973)	1:B:173:GLU:HB2	1:A:170:THR:H	4	0.53
(3,973)	1:B:173:GLU:HB2	1:B:170:THR:H	4	0.53
(3,973)	1:A:173:GLU:HB2	1:A:170:THR:H	8	0.53
(3,973)	1:A:173:GLU:HB2	1:B:170:THR:H	8	0.53
(3,973)	1:B:173:GLU:HB2	1:A:170:THR:H	8	0.53
(3,973)	1:B:173:GLU:HB2	1:B:170:THR:H	8	0.53
(3,946)	1:A:193:PHE:HB2	1:A:194:ASN:H	7	0.53
(3,946)	1:A:193:PHE:HB2	1:B:194:ASN:H	7	0.53
(3,946)	1:B:193:PHE:HB2	1:A:194:ASN:H	7	0.53
(3,946)	1:B:193:PHE:HB2	1:B:194:ASN:H	7	0.53
(3,539)	1:A:183:ARG:HB3	1:A:183:ARG:HA	4	0.53
(3,425)	1:A:203:GLU:HG2	1:A:203:GLU:H	1	0.53
(3,1181)	1:A:186:GLU:HB2	1:A:185:ILE:H	4	0.53
(3,1181)	1:A:186:GLU:HB2	1:B:185:ILE:H	4	0.53
(3,1181)	1:B:186:GLU:HB2	1:A:185:ILE:H	4	0.53
(3,1181)	1:B:186:GLU:HB2	1:B:185:ILE:H	4	0.53
(1,716)	1:A:184:SER:H	1:A:186:GLU:HB2	7	0.53
(1,476)	1:A:176:ASP:H	1:A:173:GLU:HG2	10	0.53
(1,252)	1:A:152:ASP:H	1:A:154:LEU:HB3	3	0.53
(3,921)	1:A:183:ARG:HD2	1:A:183:ARG:H	10	0.52
(3,921)	1:A:183:ARG:HD2	1:A:188:SER:H	10	0.52
(3,921)	1:A:183:ARG:HD2	1:B:183:ARG:H	10	0.52
(3,921)	1:A:187:TYR:HB2	1:A:183:ARG:H	10	0.52
(3,921)	1:A:187:TYR:HB2	1:A:188:SER:H	10	0.52
(3,921)	1:A:187:TYR:HB2	1:B:183:ARG:H	10	0.52
(3,921)	1:B:183:ARG:HD2	1:A:183:ARG:H	10	0.52
(3,921)	1:B:183:ARG:HD2	1:A:188:SER:H	10	0.52
(3,921)	1:B:183:ARG:HD2	1:B:183:ARG:H	10	0.52
(3,836)	1:A:149:LYS:HB2	1:A:150:GLU:H	4	0.52
(3,836)	1:A:149:LYS:HB2	1:A:166:GLU:H	4	0.52
(3,836)	1:A:149:LYS:HB2	1:B:166:GLU:H	4	0.52
(3,836)	1:A:166:GLU:HG2	1:A:150:GLU:H	4	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,836)	1:A:166:GLU:HG2	1:A:166:GLU:H	4	0.52
(3,836)	1:A:166:GLU:HG2	1:B:166:GLU:H	4	0.52
(3,836)	1:B:166:GLU:HG2	1:A:150:GLU:H	4	0.52
(3,836)	1:B:166:GLU:HG2	1:A:166:GLU:H	4	0.52
(3,836)	1:B:166:GLU:HG2	1:B:166:GLU:H	4	0.52
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB1	1	0.52
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB2	1	0.52
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB3	1	0.52
(3,772)	1:A:182:LYS:H	1:A:182:LYS:HD2	1	0.52
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB1	4	0.52
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB2	4	0.52
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB3	4	0.52
(3,772)	1:A:182:LYS:H	1:A:182:LYS:HD2	4	0.52
(3,767)	1:B:209:LYS:HG2	1:A:209:LYS:HB2	2	0.52
(3,767)	1:B:209:LYS:HG3	1:A:209:LYS:HB2	2	0.52
(3,448)	1:A:173:GLU:HB2	1:A:170:THR:H	7	0.52
(3,425)	1:A:203:GLU:HG2	1:A:203:GLU:H	2	0.52
(3,425)	1:A:203:GLU:HG2	1:A:203:GLU:H	4	0.52
(3,425)	1:A:203:GLU:HG2	1:A:203:GLU:H	9	0.52
(3,1426)	1:A:157:ARG:HD2	1:A:157:ARG:HA	3	0.52
(3,1426)	1:A:157:ARG:HD2	1:A:183:ARG:HA	3	0.52
(3,1426)	1:A:157:ARG:HD2	1:B:157:ARG:HA	3	0.52
(3,1426)	1:A:157:ARG:HD2	1:B:183:ARG:HA	3	0.52
(3,1426)	1:A:159:CYS:HB2	1:A:157:ARG:HA	3	0.52
(3,1426)	1:A:159:CYS:HB2	1:A:183:ARG:HA	3	0.52
(3,1426)	1:A:159:CYS:HB2	1:B:157:ARG:HA	3	0.52
(3,1426)	1:A:159:CYS:HB2	1:B:183:ARG:HA	3	0.52
(3,1426)	1:A:183:ARG:HD2	1:A:157:ARG:HA	3	0.52
(3,1426)	1:A:183:ARG:HD2	1:A:183:ARG:HA	3	0.52
(3,1426)	1:A:183:ARG:HD2	1:B:157:ARG:HA	3	0.52
(3,1426)	1:A:183:ARG:HD2	1:B:183:ARG:HA	3	0.52
(3,1426)	1:B:156:PRO:HD2	1:A:157:ARG:HA	3	0.52
(3,1426)	1:B:156:PRO:HD2	1:A:183:ARG:HA	3	0.52
(3,1426)	1:B:156:PRO:HD2	1:B:157:ARG:HA	3	0.52
(3,1426)	1:B:156:PRO:HD2	1:B:183:ARG:HA	3	0.52
(3,1426)	1:B:157:ARG:HD2	1:A:157:ARG:HA	3	0.52
(3,1426)	1:B:157:ARG:HD2	1:A:183:ARG:HA	3	0.52
(3,1426)	1:B:157:ARG:HD2	1:B:157:ARG:HA	3	0.52
(3,1426)	1:B:157:ARG:HD2	1:B:183:ARG:HA	3	0.52
(3,1426)	1:B:183:ARG:HD2	1:A:157:ARG:HA	3	0.52
(3,1426)	1:B:183:ARG:HD2	1:A:183:ARG:HA	3	0.52
(3,1426)	1:B:183:ARG:HD2	1:B:157:ARG:HA	3	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1426)	1:B:183:ARG:HD2	1:B:183:ARG:HA	3	0.52
(3,1426)	1:A:157:ARG:HD2	1:A:157:ARG:HA	9	0.52
(3,1426)	1:A:157:ARG:HD2	1:A:183:ARG:HA	9	0.52
(3,1426)	1:A:157:ARG:HD2	1:B:157:ARG:HA	9	0.52
(3,1426)	1:A:157:ARG:HD2	1:B:183:ARG:HA	9	0.52
(3,1426)	1:A:159:CYS:HB2	1:A:157:ARG:HA	9	0.52
(3,1426)	1:A:159:CYS:HB2	1:A:183:ARG:HA	9	0.52
(3,1426)	1:A:159:CYS:HB2	1:B:157:ARG:HA	9	0.52
(3,1426)	1:A:159:CYS:HB2	1:B:183:ARG:HA	9	0.52
(3,1426)	1:A:183:ARG:HD2	1:A:157:ARG:HA	9	0.52
(3,1426)	1:A:183:ARG:HD2	1:A:183:ARG:HA	9	0.52
(3,1426)	1:A:183:ARG:HD2	1:B:157:ARG:HA	9	0.52
(3,1426)	1:A:183:ARG:HD2	1:B:183:ARG:HA	9	0.52
(3,1426)	1:B:156:PRO:HD2	1:A:157:ARG:HA	9	0.52
(3,1426)	1:B:156:PRO:HD2	1:A:183:ARG:HA	9	0.52
(3,1426)	1:B:156:PRO:HD2	1:B:157:ARG:HA	9	0.52
(3,1426)	1:B:156:PRO:HD2	1:B:183:ARG:HA	9	0.52
(3,1426)	1:B:157:ARG:HD2	1:A:157:ARG:HA	9	0.52
(3,1426)	1:B:157:ARG:HD2	1:A:183:ARG:HA	9	0.52
(3,1426)	1:B:157:ARG:HD2	1:B:157:ARG:HA	9	0.52
(3,1426)	1:B:157:ARG:HD2	1:B:183:ARG:HA	9	0.52
(3,1426)	1:B:183:ARG:HD2	1:A:157:ARG:HA	9	0.52
(3,1426)	1:B:183:ARG:HD2	1:A:183:ARG:HA	9	0.52
(3,1426)	1:B:183:ARG:HD2	1:B:157:ARG:HA	9	0.52
(3,1426)	1:B:183:ARG:HD2	1:B:183:ARG:HA	9	0.52
(1,1837)	1:A:171:ASN:HB3	1:A:185:ILE:H	1	0.52
(1,1837)	1:A:171:ASN:HB3	1:B:185:ILE:H	1	0.52
(1,1837)	1:B:171:ASN:HB3	1:A:185:ILE:H	1	0.52
(1,1837)	1:B:171:ASN:HB3	1:B:185:ILE:H	1	0.52
(1,1437)	1:A:153:VAL:HG11	1:A:195:LYS:HB2	7	0.52
(1,1437)	1:A:153:VAL:HG12	1:A:195:LYS:HB2	7	0.52
(1,1437)	1:A:153:VAL:HG13	1:A:195:LYS:HB2	7	0.52
(3,973)	1:A:173:GLU:HB2	1:A:170:THR:H	3	0.51
(3,973)	1:A:173:GLU:HB2	1:B:170:THR:H	3	0.51
(3,973)	1:B:173:GLU:HB2	1:A:170:THR:H	3	0.51
(3,973)	1:B:173:GLU:HB2	1:B:170:THR:H	3	0.51
(3,946)	1:A:193:PHE:HB2	1:A:194:ASN:H	5	0.51
(3,946)	1:A:193:PHE:HB2	1:B:194:ASN:H	5	0.51
(3,946)	1:B:193:PHE:HB2	1:A:194:ASN:H	5	0.51
(3,946)	1:B:193:PHE:HB2	1:B:194:ASN:H	5	0.51
(3,888)	1:A:151:GLN:HB2	1:A:151:GLN:H	3	0.51
(3,888)	1:A:151:GLN:HB2	1:A:186:GLU:H	3	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,888)	1:A:151:GLN:HB2	1:B:151:GLN:H	3	0.51
(3,888)	1:A:186:GLU:HB2	1:A:151:GLN:H	3	0.51
(3,888)	1:A:186:GLU:HB2	1:A:186:GLU:H	3	0.51
(3,888)	1:A:186:GLU:HB2	1:B:151:GLN:H	3	0.51
(3,888)	1:B:151:GLN:HB2	1:A:151:GLN:H	3	0.51
(3,888)	1:B:151:GLN:HB2	1:A:186:GLU:H	3	0.51
(3,888)	1:B:151:GLN:HB2	1:B:151:GLN:H	3	0.51
(3,26)	1:A:193:PHE:H	1:A:193:PHE:HB2	6	0.51
(3,1426)	1:A:157:ARG:HD2	1:A:157:ARG:HA	4	0.51
(3,1426)	1:A:157:ARG:HD2	1:A:183:ARG:HA	4	0.51
(3,1426)	1:A:157:ARG:HD2	1:B:157:ARG:HA	4	0.51
(3,1426)	1:A:157:ARG:HD2	1:B:183:ARG:HA	4	0.51
(3,1426)	1:A:159:CYS:HB2	1:A:157:ARG:HA	4	0.51
(3,1426)	1:A:159:CYS:HB2	1:A:183:ARG:HA	4	0.51
(3,1426)	1:A:159:CYS:HB2	1:B:157:ARG:HA	4	0.51
(3,1426)	1:A:159:CYS:HB2	1:B:183:ARG:HA	4	0.51
(3,1426)	1:A:183:ARG:HD2	1:A:157:ARG:HA	4	0.51
(3,1426)	1:A:183:ARG:HD2	1:A:183:ARG:HA	4	0.51
(3,1426)	1:A:183:ARG:HD2	1:B:157:ARG:HA	4	0.51
(3,1426)	1:A:183:ARG:HD2	1:B:183:ARG:HA	4	0.51
(3,1426)	1:B:156:PRO:HD2	1:A:157:ARG:HA	4	0.51
(3,1426)	1:B:156:PRO:HD2	1:A:183:ARG:HA	4	0.51
(3,1426)	1:B:156:PRO:HD2	1:B:157:ARG:HA	4	0.51
(3,1426)	1:B:156:PRO:HD2	1:B:183:ARG:HA	4	0.51
(3,1426)	1:B:157:ARG:HD2	1:A:157:ARG:HA	4	0.51
(3,1426)	1:B:157:ARG:HD2	1:A:183:ARG:HA	4	0.51
(3,1426)	1:B:157:ARG:HD2	1:B:157:ARG:HA	4	0.51
(3,1426)	1:B:157:ARG:HD2	1:B:183:ARG:HA	4	0.51
(3,1426)	1:B:183:ARG:HD2	1:A:157:ARG:HA	4	0.51
(3,1426)	1:B:183:ARG:HD2	1:A:183:ARG:HA	4	0.51
(3,1426)	1:B:183:ARG:HD2	1:B:157:ARG:HA	4	0.51
(3,1426)	1:B:183:ARG:HD2	1:B:183:ARG:HA	4	0.51
(3,1282)	1:A:185:ILE:HD11	1:A:187:TYR:H	6	0.51
(3,1282)	1:A:185:ILE:HD11	1:A:192:ILE:H	6	0.51
(3,1282)	1:A:185:ILE:HD11	1:B:187:TYR:H	6	0.51
(3,1282)	1:A:185:ILE:HD11	1:B:192:ILE:H	6	0.51
(3,1282)	1:A:185:ILE:HD12	1:A:187:TYR:H	6	0.51
(3,1282)	1:A:185:ILE:HD12	1:A:192:ILE:H	6	0.51
(3,1282)	1:A:185:ILE:HD12	1:B:187:TYR:H	6	0.51
(3,1282)	1:A:185:ILE:HD12	1:B:192:ILE:H	6	0.51
(3,1282)	1:A:185:ILE:HD13	1:A:187:TYR:H	6	0.51
(3,1282)	1:A:185:ILE:HD13	1:A:192:ILE:H	6	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1282)	1:A:185:ILE:HD13	1:B:187:TYR:H	6	0.51
(3,1282)	1:A:185:ILE:HD13	1:B:192:ILE:H	6	0.51
(3,1282)	1:A:189:LEU:HD11	1:A:187:TYR:H	6	0.51
(3,1282)	1:A:189:LEU:HD11	1:A:192:ILE:H	6	0.51
(3,1282)	1:A:189:LEU:HD11	1:B:187:TYR:H	6	0.51
(3,1282)	1:A:189:LEU:HD11	1:B:192:ILE:H	6	0.51
(3,1282)	1:A:189:LEU:HD12	1:A:187:TYR:H	6	0.51
(3,1282)	1:A:189:LEU:HD12	1:A:192:ILE:H	6	0.51
(3,1282)	1:A:189:LEU:HD12	1:B:187:TYR:H	6	0.51
(3,1282)	1:A:189:LEU:HD12	1:B:192:ILE:H	6	0.51
(3,1282)	1:A:189:LEU:HD13	1:A:187:TYR:H	6	0.51
(3,1282)	1:A:189:LEU:HD13	1:A:192:ILE:H	6	0.51
(3,1282)	1:A:189:LEU:HD13	1:B:187:TYR:H	6	0.51
(3,1282)	1:A:189:LEU:HD13	1:B:192:ILE:H	6	0.51
(3,1282)	1:A:192:ILE:HG12	1:A:187:TYR:H	6	0.51
(3,1282)	1:A:192:ILE:HG12	1:A:192:ILE:H	6	0.51
(3,1282)	1:A:192:ILE:HG12	1:B:187:TYR:H	6	0.51
(3,1282)	1:A:192:ILE:HG12	1:B:192:ILE:H	6	0.51
(3,1282)	1:B:185:ILE:HD11	1:A:187:TYR:H	6	0.51
(3,1282)	1:B:185:ILE:HD11	1:A:192:ILE:H	6	0.51
(3,1282)	1:B:185:ILE:HD11	1:B:187:TYR:H	6	0.51
(3,1282)	1:B:185:ILE:HD11	1:B:192:ILE:H	6	0.51
(3,1282)	1:B:185:ILE:HG13	1:A:187:TYR:H	6	0.51
(3,1282)	1:B:185:ILE:HG13	1:A:192:ILE:H	6	0.51
(3,1282)	1:B:185:ILE:HG13	1:B:187:TYR:H	6	0.51
(3,1282)	1:B:185:ILE:HG13	1:B:192:ILE:H	6	0.51
(3,1282)	1:B:192:ILE:HG12	1:A:187:TYR:H	6	0.51
(3,1282)	1:B:192:ILE:HG12	1:A:192:ILE:H	6	0.51
(3,1282)	1:B:192:ILE:HG12	1:B:187:TYR:H	6	0.51
(3,1282)	1:B:192:ILE:HG12	1:B:192:ILE:H	6	0.51
(1,1837)	1:A:171:ASN:HB3	1:A:185:ILE:H	6	0.51
(1,1837)	1:A:171:ASN:HB3	1:B:185:ILE:H	6	0.51
(1,1837)	1:B:171:ASN:HB3	1:A:185:ILE:H	6	0.51
(1,1837)	1:B:171:ASN:HB3	1:B:185:ILE:H	6	0.51
(3,946)	1:A:193:PHE:HB2	1:A:194:ASN:H	4	0.5
(3,946)	1:A:193:PHE:HB2	1:B:194:ASN:H	4	0.5
(3,946)	1:B:193:PHE:HB2	1:A:194:ASN:H	4	0.5
(3,946)	1:B:193:PHE:HB2	1:B:194:ASN:H	4	0.5
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB1	2	0.5
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB2	2	0.5
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB3	2	0.5
(3,772)	1:A:182:LYS:H	1:A:182:LYS:HD2	2	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB1	10	0.5
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB2	10	0.5
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB3	10	0.5
(3,772)	1:A:182:LYS:H	1:A:182:LYS:HD2	10	0.5
(3,662)	1:A:178:LEU:HD11	1:A:157:ARG:HG2	4	0.5
(3,662)	1:A:178:LEU:HD12	1:A:157:ARG:HG2	4	0.5
(3,662)	1:A:178:LEU:HD13	1:A:157:ARG:HG2	4	0.5
(3,438)	1:A:167:LYS:HB2	1:A:168:GLY:H	3	0.5
(3,425)	1:A:203:GLU:HG2	1:A:203:GLU:H	6	0.5
(3,1426)	1:A:157:ARG:HD2	1:A:157:ARG:HA	7	0.5
(3,1426)	1:A:157:ARG:HD2	1:A:183:ARG:HA	7	0.5
(3,1426)	1:A:157:ARG:HD2	1:B:157:ARG:HA	7	0.5
(3,1426)	1:A:157:ARG:HD2	1:B:183:ARG:HA	7	0.5
(3,1426)	1:A:159:CYS:HB2	1:A:157:ARG:HA	7	0.5
(3,1426)	1:A:159:CYS:HB2	1:A:183:ARG:HA	7	0.5
(3,1426)	1:A:159:CYS:HB2	1:B:157:ARG:HA	7	0.5
(3,1426)	1:A:159:CYS:HB2	1:B:183:ARG:HA	7	0.5
(3,1426)	1:A:183:ARG:HD2	1:A:157:ARG:HA	7	0.5
(3,1426)	1:A:183:ARG:HD2	1:A:183:ARG:HA	7	0.5
(3,1426)	1:A:183:ARG:HD2	1:B:157:ARG:HA	7	0.5
(3,1426)	1:A:183:ARG:HD2	1:B:183:ARG:HA	7	0.5
(3,1426)	1:B:156:PRO:HD2	1:A:157:ARG:HA	7	0.5
(3,1426)	1:B:156:PRO:HD2	1:A:183:ARG:HA	7	0.5
(3,1426)	1:B:156:PRO:HD2	1:B:157:ARG:HA	7	0.5
(3,1426)	1:B:156:PRO:HD2	1:B:183:ARG:HA	7	0.5
(3,1426)	1:B:157:ARG:HD2	1:A:157:ARG:HA	7	0.5
(3,1426)	1:B:157:ARG:HD2	1:A:183:ARG:HA	7	0.5
(3,1426)	1:B:157:ARG:HD2	1:B:157:ARG:HA	7	0.5
(3,1426)	1:B:157:ARG:HD2	1:B:183:ARG:HA	7	0.5
(3,1426)	1:B:183:ARG:HD2	1:A:157:ARG:HA	7	0.5
(3,1426)	1:B:183:ARG:HD2	1:A:183:ARG:HA	7	0.5
(3,1426)	1:B:183:ARG:HD2	1:B:157:ARG:HA	7	0.5
(3,1426)	1:B:183:ARG:HD2	1:B:183:ARG:HA	7	0.5
(3,1254)	1:A:186:GLU:HB2	1:A:184:SER:H	6	0.5
(3,1254)	1:A:186:GLU:HB2	1:B:184:SER:H	6	0.5
(3,1254)	1:B:186:GLU:HB2	1:A:184:SER:H	6	0.5
(3,1254)	1:B:186:GLU:HB2	1:B:184:SER:H	6	0.5
(3,1254)	1:A:186:GLU:HB2	1:A:184:SER:H	7	0.5
(3,1254)	1:A:186:GLU:HB2	1:B:184:SER:H	7	0.5
(3,1254)	1:B:186:GLU:HB2	1:A:184:SER:H	7	0.5
(3,1254)	1:B:186:GLU:HB2	1:B:184:SER:H	7	0.5
(1,1958)	1:A:158:GLU:HG3	1:A:155:THR:HA	8	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1958)	1:A:158:GLU:HG3	1:B:155:THR:HA	8	0.5
(1,1958)	1:B:158:GLU:HG3	1:A:155:THR:HA	8	0.5
(1,1958)	1:B:158:GLU:HG3	1:B:155:THR:HA	8	0.5
(3,921)	1:A:183:ARG:HD2	1:A:183:ARG:H	3	0.49
(3,921)	1:A:183:ARG:HD2	1:A:188:SER:H	3	0.49
(3,921)	1:A:183:ARG:HD2	1:B:183:ARG:H	3	0.49
(3,921)	1:A:187:TYR:HB2	1:A:183:ARG:H	3	0.49
(3,921)	1:A:187:TYR:HB2	1:A:188:SER:H	3	0.49
(3,921)	1:A:187:TYR:HB2	1:B:183:ARG:H	3	0.49
(3,921)	1:B:183:ARG:HD2	1:A:183:ARG:H	3	0.49
(3,921)	1:B:183:ARG:HD2	1:A:188:SER:H	3	0.49
(3,921)	1:B:183:ARG:HD2	1:B:183:ARG:H	3	0.49
(3,887)	1:A:151:GLN:HG2	1:A:151:GLN:H	3	0.49
(3,887)	1:A:151:GLN:HG2	1:B:151:GLN:H	3	0.49
(3,887)	1:B:151:GLN:HG2	1:A:151:GLN:H	3	0.49
(3,887)	1:B:151:GLN:HG2	1:B:151:GLN:H	3	0.49
(3,887)	1:A:151:GLN:HG2	1:A:151:GLN:H	9	0.49
(3,887)	1:A:151:GLN:HG2	1:B:151:GLN:H	9	0.49
(3,887)	1:B:151:GLN:HG2	1:A:151:GLN:H	9	0.49
(3,887)	1:B:151:GLN:HG2	1:B:151:GLN:H	9	0.49
(3,836)	1:A:149:LYS:HB2	1:A:150:GLU:H	2	0.49
(3,836)	1:A:149:LYS:HB2	1:A:166:GLU:H	2	0.49
(3,836)	1:A:149:LYS:HB2	1:B:166:GLU:H	2	0.49
(3,836)	1:A:166:GLU:HG2	1:A:150:GLU:H	2	0.49
(3,836)	1:A:166:GLU:HG2	1:A:166:GLU:H	2	0.49
(3,836)	1:A:166:GLU:HG2	1:B:166:GLU:H	2	0.49
(3,836)	1:B:166:GLU:HG2	1:A:150:GLU:H	2	0.49
(3,836)	1:B:166:GLU:HG2	1:A:166:GLU:H	2	0.49
(3,836)	1:B:166:GLU:HG2	1:B:166:GLU:H	2	0.49
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB1	9	0.49
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB2	9	0.49
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB3	9	0.49
(3,772)	1:A:182:LYS:H	1:A:182:LYS:HD2	9	0.49
(3,443)	1:A:194:ASN:HB2	1:A:195:LYS:H	3	0.49
(3,425)	1:A:203:GLU:HG2	1:A:203:GLU:H	10	0.49
(3,1254)	1:A:186:GLU:HB2	1:A:184:SER:H	2	0.49
(3,1254)	1:A:186:GLU:HB2	1:B:184:SER:H	2	0.49
(3,1254)	1:B:186:GLU:HB2	1:A:184:SER:H	2	0.49
(3,1254)	1:B:186:GLU:HB2	1:B:184:SER:H	2	0.49
(1,716)	1:A:184:SER:H	1:A:186:GLU:HB2	2	0.49
(1,476)	1:A:176:ASP:H	1:A:173:GLU:HG2	6	0.49
(3,425)	1:A:203:GLU:HG2	1:A:203:GLU:H	5	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1488)	1:A:189:LEU:HG	1:A:201:ARG:HD2	5	0.48
(3,1488)	1:A:189:LEU:HG	1:B:201:ARG:HD2	5	0.48
(3,1488)	1:A:201:ARG:HB3	1:A:201:ARG:HD2	5	0.48
(3,1488)	1:A:201:ARG:HB3	1:B:201:ARG:HD2	5	0.48
(3,1488)	1:B:201:ARG:HB3	1:A:201:ARG:HD2	5	0.48
(3,1488)	1:B:201:ARG:HB3	1:B:201:ARG:HD2	5	0.48
(3,1280)	1:A:149:LYS:HE3	1:A:152:ASP:H	3	0.48
(3,1280)	1:A:149:LYS:HE3	1:B:152:ASP:H	3	0.48
(3,1280)	1:A:149:LYS:HE3	1:B:207:ILE:H	3	0.48
(3,1280)	1:A:151:GLN:HG2	1:A:152:ASP:H	3	0.48
(3,1280)	1:A:151:GLN:HG2	1:B:152:ASP:H	3	0.48
(3,1280)	1:A:151:GLN:HG2	1:B:207:ILE:H	3	0.48
(3,1280)	1:B:149:LYS:HE3	1:A:152:ASP:H	3	0.48
(3,1280)	1:B:149:LYS:HE3	1:B:152:ASP:H	3	0.48
(3,1280)	1:B:149:LYS:HE3	1:B:207:ILE:H	3	0.48
(3,1280)	1:B:151:GLN:HG2	1:A:152:ASP:H	3	0.48
(3,1280)	1:B:151:GLN:HG2	1:B:152:ASP:H	3	0.48
(3,1280)	1:B:151:GLN:HG2	1:B:207:ILE:H	3	0.48
(3,1280)	1:B:203:GLU:HG2	1:A:152:ASP:H	3	0.48
(3,1280)	1:B:203:GLU:HG2	1:B:152:ASP:H	3	0.48
(3,1280)	1:B:203:GLU:HG2	1:B:207:ILE:H	3	0.48
(3,1254)	1:A:186:GLU:HB2	1:A:184:SER:H	8	0.48
(3,1254)	1:A:186:GLU:HB2	1:B:184:SER:H	8	0.48
(3,1254)	1:B:186:GLU:HB2	1:A:184:SER:H	8	0.48
(3,1254)	1:B:186:GLU:HB2	1:B:184:SER:H	8	0.48
(3,1254)	1:A:186:GLU:HB2	1:A:184:SER:H	9	0.48
(3,1254)	1:A:186:GLU:HB2	1:B:184:SER:H	9	0.48
(3,1254)	1:B:186:GLU:HB2	1:A:184:SER:H	9	0.48
(3,1254)	1:B:186:GLU:HB2	1:B:184:SER:H	9	0.48
(1,716)	1:A:184:SER:H	1:A:186:GLU:HB2	8	0.48
(1,716)	1:A:184:SER:H	1:A:186:GLU:HB2	9	0.48
(1,1837)	1:A:171:ASN:HB3	1:A:185:ILE:H	4	0.48
(1,1837)	1:A:171:ASN:HB3	1:B:185:ILE:H	4	0.48
(1,1837)	1:B:171:ASN:HB3	1:A:185:ILE:H	4	0.48
(1,1837)	1:B:171:ASN:HB3	1:B:185:ILE:H	4	0.48
(1,1837)	1:A:171:ASN:HB3	1:A:185:ILE:H	8	0.48
(1,1837)	1:A:171:ASN:HB3	1:B:185:ILE:H	8	0.48
(1,1837)	1:B:171:ASN:HB3	1:A:185:ILE:H	8	0.48
(1,1837)	1:B:171:ASN:HB3	1:B:185:ILE:H	8	0.48
(1,476)	1:A:176:ASP:H	1:A:173:GLU:HG2	7	0.47
(1,476)	1:A:176:ASP:H	1:A:173:GLU:HG2	8	0.47
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB1	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB2	3	0.46
(3,772)	1:A:182:LYS:H	1:A:175:ALA:HB3	3	0.46
(3,772)	1:A:182:LYS:H	1:A:182:LYS:HD2	3	0.46
(3,448)	1:A:173:GLU:HB2	1:A:170:THR:H	1	0.46
(3,1282)	1:A:185:ILE:HD11	1:A:187:TYR:H	9	0.46
(3,1282)	1:A:185:ILE:HD11	1:A:192:ILE:H	9	0.46
(3,1282)	1:A:185:ILE:HD11	1:B:187:TYR:H	9	0.46
(3,1282)	1:A:185:ILE:HD11	1:B:192:ILE:H	9	0.46
(3,1282)	1:A:185:ILE:HD12	1:A:187:TYR:H	9	0.46
(3,1282)	1:A:185:ILE:HD12	1:A:192:ILE:H	9	0.46
(3,1282)	1:A:185:ILE:HD12	1:B:187:TYR:H	9	0.46
(3,1282)	1:A:185:ILE:HD12	1:B:192:ILE:H	9	0.46
(3,1282)	1:A:185:ILE:HD13	1:A:187:TYR:H	9	0.46
(3,1282)	1:A:185:ILE:HD13	1:A:192:ILE:H	9	0.46
(3,1282)	1:A:185:ILE:HD13	1:B:187:TYR:H	9	0.46
(3,1282)	1:A:185:ILE:HD13	1:B:192:ILE:H	9	0.46
(3,1282)	1:A:189:LEU:HD11	1:A:187:TYR:H	9	0.46
(3,1282)	1:A:189:LEU:HD11	1:A:192:ILE:H	9	0.46
(3,1282)	1:A:189:LEU:HD11	1:B:187:TYR:H	9	0.46
(3,1282)	1:A:189:LEU:HD11	1:B:192:ILE:H	9	0.46
(3,1282)	1:A:189:LEU:HD12	1:A:187:TYR:H	9	0.46
(3,1282)	1:A:189:LEU:HD12	1:A:192:ILE:H	9	0.46
(3,1282)	1:A:189:LEU:HD12	1:B:187:TYR:H	9	0.46
(3,1282)	1:A:189:LEU:HD12	1:B:192:ILE:H	9	0.46
(3,1282)	1:A:189:LEU:HD13	1:A:187:TYR:H	9	0.46
(3,1282)	1:A:189:LEU:HD13	1:A:192:ILE:H	9	0.46
(3,1282)	1:A:189:LEU:HD13	1:B:187:TYR:H	9	0.46
(3,1282)	1:A:189:LEU:HD13	1:B:192:ILE:H	9	0.46
(3,1282)	1:A:192:ILE:HG12	1:A:187:TYR:H	9	0.46
(3,1282)	1:A:192:ILE:HG12	1:A:192:ILE:H	9	0.46
(3,1282)	1:A:192:ILE:HG12	1:B:187:TYR:H	9	0.46
(3,1282)	1:A:192:ILE:HG12	1:B:192:ILE:H	9	0.46
(3,1282)	1:B:185:ILE:HD11	1:A:187:TYR:H	9	0.46
(3,1282)	1:B:185:ILE:HD11	1:A:192:ILE:H	9	0.46
(3,1282)	1:B:185:ILE:HD11	1:B:187:TYR:H	9	0.46
(3,1282)	1:B:185:ILE:HD11	1:B:192:ILE:H	9	0.46
(3,1282)	1:B:185:ILE:HG13	1:A:187:TYR:H	9	0.46
(3,1282)	1:B:185:ILE:HG13	1:A:192:ILE:H	9	0.46
(3,1282)	1:B:185:ILE:HG13	1:B:187:TYR:H	9	0.46
(3,1282)	1:B:185:ILE:HG13	1:B:192:ILE:H	9	0.46
(3,1282)	1:B:192:ILE:HG12	1:A:187:TYR:H	9	0.46
(3,1282)	1:B:192:ILE:HG12	1:A:192:ILE:H	9	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1282)	1:B:192:ILE:HG12	1:B:187:TYR:H	9	0.46
(3,1282)	1:B:192:ILE:HG12	1:B:192:ILE:H	9	0.46
(3,1282)	1:A:185:ILE:HD11	1:A:187:TYR:H	10	0.46
(3,1282)	1:A:185:ILE:HD11	1:A:192:ILE:H	10	0.46
(3,1282)	1:A:185:ILE:HD11	1:B:187:TYR:H	10	0.46
(3,1282)	1:A:185:ILE:HD11	1:B:192:ILE:H	10	0.46
(3,1282)	1:A:185:ILE:HD12	1:A:187:TYR:H	10	0.46
(3,1282)	1:A:185:ILE:HD12	1:A:192:ILE:H	10	0.46
(3,1282)	1:A:185:ILE:HD12	1:B:187:TYR:H	10	0.46
(3,1282)	1:A:185:ILE:HD12	1:B:192:ILE:H	10	0.46
(3,1282)	1:A:185:ILE:HD13	1:A:187:TYR:H	10	0.46
(3,1282)	1:A:185:ILE:HD13	1:A:192:ILE:H	10	0.46
(3,1282)	1:A:185:ILE:HD13	1:B:187:TYR:H	10	0.46
(3,1282)	1:A:185:ILE:HD13	1:B:192:ILE:H	10	0.46
(3,1282)	1:A:189:LEU:HD11	1:A:187:TYR:H	10	0.46
(3,1282)	1:A:189:LEU:HD11	1:A:192:ILE:H	10	0.46
(3,1282)	1:A:189:LEU:HD11	1:B:187:TYR:H	10	0.46
(3,1282)	1:A:189:LEU:HD11	1:B:192:ILE:H	10	0.46
(3,1282)	1:A:189:LEU:HD12	1:A:187:TYR:H	10	0.46
(3,1282)	1:A:189:LEU:HD12	1:A:192:ILE:H	10	0.46
(3,1282)	1:A:189:LEU:HD12	1:B:187:TYR:H	10	0.46
(3,1282)	1:A:189:LEU:HD12	1:B:192:ILE:H	10	0.46
(3,1282)	1:A:189:LEU:HD13	1:A:187:TYR:H	10	0.46
(3,1282)	1:A:189:LEU:HD13	1:A:192:ILE:H	10	0.46
(3,1282)	1:A:189:LEU:HD13	1:B:187:TYR:H	10	0.46
(3,1282)	1:A:189:LEU:HD13	1:B:192:ILE:H	10	0.46
(3,1282)	1:A:192:ILE:HG12	1:A:187:TYR:H	10	0.46
(3,1282)	1:A:192:ILE:HG12	1:A:192:ILE:H	10	0.46
(3,1282)	1:A:192:ILE:HG12	1:B:187:TYR:H	10	0.46
(3,1282)	1:A:192:ILE:HG12	1:B:192:ILE:H	10	0.46
(3,1282)	1:B:185:ILE:HD11	1:A:187:TYR:H	10	0.46
(3,1282)	1:B:185:ILE:HD11	1:A:192:ILE:H	10	0.46
(3,1282)	1:B:185:ILE:HD11	1:B:187:TYR:H	10	0.46
(3,1282)	1:B:185:ILE:HD11	1:B:192:ILE:H	10	0.46
(3,1282)	1:B:185:ILE:HG13	1:A:187:TYR:H	10	0.46
(3,1282)	1:B:185:ILE:HG13	1:A:192:ILE:H	10	0.46
(3,1282)	1:B:185:ILE:HG13	1:B:187:TYR:H	10	0.46
(3,1282)	1:B:185:ILE:HG13	1:B:192:ILE:H	10	0.46
(3,1282)	1:B:192:ILE:HG12	1:A:187:TYR:H	10	0.46
(3,1282)	1:B:192:ILE:HG12	1:A:192:ILE:H	10	0.46
(3,1282)	1:B:192:ILE:HG12	1:B:187:TYR:H	10	0.46
(3,1282)	1:B:192:ILE:HG12	1:B:192:ILE:H	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1254)	1:A:186:GLU:HB2	1:A:184:SER:H	3	0.46
(3,1254)	1:A:186:GLU:HB2	1:B:184:SER:H	3	0.46
(3,1254)	1:B:186:GLU:HB2	1:A:184:SER:H	3	0.46
(3,1254)	1:B:186:GLU:HB2	1:B:184:SER:H	3	0.46
(3,1230)	1:A:152:ASP:HB2	1:A:149:LYS:H	6	0.46
(3,1230)	1:A:152:ASP:HB2	1:A:166:GLU:H	6	0.46
(3,1230)	1:A:152:ASP:HB2	1:B:149:LYS:H	6	0.46
(3,1230)	1:A:152:ASP:HB2	1:B:166:GLU:H	6	0.46
(3,1230)	1:A:163:GLN:HG2	1:A:149:LYS:H	6	0.46
(3,1230)	1:A:163:GLN:HG2	1:A:166:GLU:H	6	0.46
(3,1230)	1:A:163:GLN:HG2	1:B:149:LYS:H	6	0.46
(3,1230)	1:A:163:GLN:HG2	1:B:166:GLU:H	6	0.46
(3,1230)	1:A:164:GLU:HG2	1:A:149:LYS:H	6	0.46
(3,1230)	1:A:164:GLU:HG2	1:A:166:GLU:H	6	0.46
(3,1230)	1:A:164:GLU:HG2	1:B:149:LYS:H	6	0.46
(3,1230)	1:A:164:GLU:HG2	1:B:166:GLU:H	6	0.46
(3,1230)	1:B:152:ASP:HB2	1:A:149:LYS:H	6	0.46
(3,1230)	1:B:152:ASP:HB2	1:A:166:GLU:H	6	0.46
(3,1230)	1:B:152:ASP:HB2	1:B:149:LYS:H	6	0.46
(3,1230)	1:B:152:ASP:HB2	1:B:166:GLU:H	6	0.46
(3,1230)	1:B:163:GLN:HG2	1:A:149:LYS:H	6	0.46
(3,1230)	1:B:163:GLN:HG2	1:A:166:GLU:H	6	0.46
(3,1230)	1:B:163:GLN:HG2	1:B:149:LYS:H	6	0.46
(3,1230)	1:B:163:GLN:HG2	1:B:166:GLU:H	6	0.46
(3,1230)	1:B:164:GLU:HG2	1:A:149:LYS:H	6	0.46
(3,1230)	1:B:164:GLU:HG2	1:A:166:GLU:H	6	0.46
(3,1230)	1:B:164:GLU:HG2	1:B:149:LYS:H	6	0.46
(3,1230)	1:B:164:GLU:HG2	1:B:166:GLU:H	6	0.46
(3,1103)	1:A:195:LYS:HE2	1:A:193:PHE:H	5	0.46
(3,1103)	1:A:195:LYS:HE2	1:B:193:PHE:H	5	0.46
(3,1103)	1:B:195:LYS:HE2	1:A:193:PHE:H	5	0.46
(3,1103)	1:B:195:LYS:HE2	1:B:193:PHE:H	5	0.46
(1,716)	1:A:184:SER:H	1:A:186:GLU:HB2	3	0.46
(1,476)	1:A:176:ASP:H	1:A:173:GLU:HG2	4	0.46
(1,252)	1:A:152:ASP:H	1:A:154:LEU:HB3	6	0.46
(3,973)	1:A:173:GLU:HB2	1:A:170:THR:H	9	0.45
(3,973)	1:A:173:GLU:HB2	1:B:170:THR:H	9	0.45
(3,973)	1:B:173:GLU:HB2	1:A:170:THR:H	9	0.45
(3,973)	1:B:173:GLU:HB2	1:B:170:THR:H	9	0.45
(3,946)	1:A:193:PHE:HB2	1:A:194:ASN:H	9	0.45
(3,946)	1:A:193:PHE:HB2	1:B:194:ASN:H	9	0.45
(3,946)	1:B:193:PHE:HB2	1:A:194:ASN:H	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,946)	1:B:193:PHE:HB2	1:B:194:ASN:H	9	0.45
(3,836)	1:A:149:LYS:HB2	1:A:150:GLU:H	6	0.45
(3,836)	1:A:149:LYS:HB2	1:A:166:GLU:H	6	0.45
(3,836)	1:A:149:LYS:HB2	1:B:166:GLU:H	6	0.45
(3,836)	1:A:166:GLU:HG2	1:A:150:GLU:H	6	0.45
(3,836)	1:A:166:GLU:HG2	1:A:166:GLU:H	6	0.45
(3,836)	1:A:166:GLU:HG2	1:B:166:GLU:H	6	0.45
(3,836)	1:B:166:GLU:HG2	1:A:150:GLU:H	6	0.45
(3,836)	1:B:166:GLU:HG2	1:A:166:GLU:H	6	0.45
(3,836)	1:B:166:GLU:HG2	1:B:166:GLU:H	6	0.45
(3,443)	1:A:194:ASN:HB2	1:A:195:LYS:H	8	0.45
(3,1426)	1:A:157:ARG:HD2	1:A:157:ARG:HA	2	0.45
(3,1426)	1:A:157:ARG:HD2	1:A:183:ARG:HA	2	0.45
(3,1426)	1:A:157:ARG:HD2	1:B:157:ARG:HA	2	0.45
(3,1426)	1:A:157:ARG:HD2	1:B:183:ARG:HA	2	0.45
(3,1426)	1:A:159:CYS:HB2	1:A:157:ARG:HA	2	0.45
(3,1426)	1:A:159:CYS:HB2	1:A:183:ARG:HA	2	0.45
(3,1426)	1:A:159:CYS:HB2	1:B:157:ARG:HA	2	0.45
(3,1426)	1:A:159:CYS:HB2	1:B:183:ARG:HA	2	0.45
(3,1426)	1:A:183:ARG:HD2	1:A:157:ARG:HA	2	0.45
(3,1426)	1:A:183:ARG:HD2	1:A:183:ARG:HA	2	0.45
(3,1426)	1:A:183:ARG:HD2	1:B:157:ARG:HA	2	0.45
(3,1426)	1:A:183:ARG:HD2	1:B:183:ARG:HA	2	0.45
(3,1426)	1:B:156:PRO:HD2	1:A:157:ARG:HA	2	0.45
(3,1426)	1:B:156:PRO:HD2	1:A:183:ARG:HA	2	0.45
(3,1426)	1:B:156:PRO:HD2	1:B:157:ARG:HA	2	0.45
(3,1426)	1:B:156:PRO:HD2	1:B:183:ARG:HA	2	0.45
(3,1426)	1:B:157:ARG:HD2	1:A:157:ARG:HA	2	0.45
(3,1426)	1:B:157:ARG:HD2	1:A:183:ARG:HA	2	0.45
(3,1426)	1:B:157:ARG:HD2	1:B:157:ARG:HA	2	0.45
(3,1426)	1:B:157:ARG:HD2	1:B:183:ARG:HA	2	0.45
(3,1426)	1:B:183:ARG:HD2	1:A:157:ARG:HA	2	0.45
(3,1426)	1:B:183:ARG:HD2	1:A:183:ARG:HA	2	0.45
(3,1426)	1:B:183:ARG:HD2	1:B:157:ARG:HA	2	0.45
(3,1426)	1:B:183:ARG:HD2	1:B:183:ARG:HA	2	0.45
(3,1282)	1:A:185:ILE:HD11	1:A:187:TYR:H	2	0.45
(3,1282)	1:A:185:ILE:HD11	1:A:192:ILE:H	2	0.45
(3,1282)	1:A:185:ILE:HD11	1:B:187:TYR:H	2	0.45
(3,1282)	1:A:185:ILE:HD11	1:B:192:ILE:H	2	0.45
(3,1282)	1:A:185:ILE:HD12	1:A:187:TYR:H	2	0.45
(3,1282)	1:A:185:ILE:HD12	1:A:192:ILE:H	2	0.45
(3,1282)	1:A:185:ILE:HD12	1:B:187:TYR:H	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1282)	1:A:185:ILE:HD12	1:B:192:ILE:H	2	0.45
(3,1282)	1:A:185:ILE:HD13	1:A:187:TYR:H	2	0.45
(3,1282)	1:A:185:ILE:HD13	1:A:192:ILE:H	2	0.45
(3,1282)	1:A:185:ILE:HD13	1:B:187:TYR:H	2	0.45
(3,1282)	1:A:185:ILE:HD13	1:B:192:ILE:H	2	0.45
(3,1282)	1:A:189:LEU:HD11	1:A:187:TYR:H	2	0.45
(3,1282)	1:A:189:LEU:HD11	1:A:192:ILE:H	2	0.45
(3,1282)	1:A:189:LEU:HD11	1:B:187:TYR:H	2	0.45
(3,1282)	1:A:189:LEU:HD11	1:B:192:ILE:H	2	0.45
(3,1282)	1:A:189:LEU:HD12	1:A:187:TYR:H	2	0.45
(3,1282)	1:A:189:LEU:HD12	1:A:192:ILE:H	2	0.45
(3,1282)	1:A:189:LEU:HD12	1:B:187:TYR:H	2	0.45
(3,1282)	1:A:189:LEU:HD12	1:B:192:ILE:H	2	0.45
(3,1282)	1:A:189:LEU:HD13	1:A:187:TYR:H	2	0.45
(3,1282)	1:A:189:LEU:HD13	1:A:192:ILE:H	2	0.45
(3,1282)	1:A:189:LEU:HD13	1:B:187:TYR:H	2	0.45
(3,1282)	1:A:189:LEU:HD13	1:B:192:ILE:H	2	0.45
(3,1282)	1:A:192:ILE:HG12	1:A:187:TYR:H	2	0.45
(3,1282)	1:A:192:ILE:HG12	1:A:192:ILE:H	2	0.45
(3,1282)	1:A:192:ILE:HG12	1:B:187:TYR:H	2	0.45
(3,1282)	1:A:192:ILE:HG12	1:B:192:ILE:H	2	0.45
(3,1282)	1:B:185:ILE:HD11	1:A:187:TYR:H	2	0.45
(3,1282)	1:B:185:ILE:HD11	1:A:192:ILE:H	2	0.45
(3,1282)	1:B:185:ILE:HD11	1:B:187:TYR:H	2	0.45
(3,1282)	1:B:185:ILE:HD11	1:B:192:ILE:H	2	0.45
(3,1282)	1:B:185:ILE:HG13	1:A:187:TYR:H	2	0.45
(3,1282)	1:B:185:ILE:HG13	1:A:192:ILE:H	2	0.45
(3,1282)	1:B:185:ILE:HG13	1:B:187:TYR:H	2	0.45
(3,1282)	1:B:185:ILE:HG13	1:B:192:ILE:H	2	0.45
(3,1282)	1:B:192:ILE:HG12	1:A:187:TYR:H	2	0.45
(3,1282)	1:B:192:ILE:HG12	1:A:192:ILE:H	2	0.45
(3,1282)	1:B:192:ILE:HG12	1:B:187:TYR:H	2	0.45
(3,1282)	1:B:192:ILE:HG12	1:B:192:ILE:H	2	0.45
(3,1282)	1:A:185:ILE:HD11	1:A:187:TYR:H	3	0.45
(3,1282)	1:A:185:ILE:HD11	1:A:192:ILE:H	3	0.45
(3,1282)	1:A:185:ILE:HD11	1:B:187:TYR:H	3	0.45
(3,1282)	1:A:185:ILE:HD11	1:B:192:ILE:H	3	0.45
(3,1282)	1:A:185:ILE:HD12	1:A:187:TYR:H	3	0.45
(3,1282)	1:A:185:ILE:HD12	1:A:192:ILE:H	3	0.45
(3,1282)	1:A:185:ILE:HD12	1:B:187:TYR:H	3	0.45
(3,1282)	1:A:185:ILE:HD12	1:B:192:ILE:H	3	0.45
(3,1282)	1:A:185:ILE:HD13	1:A:187:TYR:H	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1282)	1:A:185:ILE:HD13	1:A:192:ILE:H	3	0.45
(3,1282)	1:A:185:ILE:HD13	1:B:187:TYR:H	3	0.45
(3,1282)	1:A:185:ILE:HD13	1:B:192:ILE:H	3	0.45
(3,1282)	1:A:189:LEU:HD11	1:A:187:TYR:H	3	0.45
(3,1282)	1:A:189:LEU:HD11	1:A:192:ILE:H	3	0.45
(3,1282)	1:A:189:LEU:HD11	1:B:187:TYR:H	3	0.45
(3,1282)	1:A:189:LEU:HD11	1:B:192:ILE:H	3	0.45
(3,1282)	1:A:189:LEU:HD12	1:A:187:TYR:H	3	0.45
(3,1282)	1:A:189:LEU:HD12	1:A:192:ILE:H	3	0.45
(3,1282)	1:A:189:LEU:HD12	1:B:187:TYR:H	3	0.45
(3,1282)	1:A:189:LEU:HD12	1:B:192:ILE:H	3	0.45
(3,1282)	1:A:189:LEU:HD13	1:A:187:TYR:H	3	0.45
(3,1282)	1:A:189:LEU:HD13	1:A:192:ILE:H	3	0.45
(3,1282)	1:A:189:LEU:HD13	1:B:187:TYR:H	3	0.45
(3,1282)	1:A:189:LEU:HD13	1:B:192:ILE:H	3	0.45
(3,1282)	1:A:192:ILE:HG12	1:A:187:TYR:H	3	0.45
(3,1282)	1:A:192:ILE:HG12	1:A:192:ILE:H	3	0.45
(3,1282)	1:A:192:ILE:HG12	1:B:187:TYR:H	3	0.45
(3,1282)	1:A:192:ILE:HG12	1:B:192:ILE:H	3	0.45
(3,1282)	1:B:185:ILE:HD11	1:A:187:TYR:H	3	0.45
(3,1282)	1:B:185:ILE:HD11	1:A:192:ILE:H	3	0.45
(3,1282)	1:B:185:ILE:HD11	1:B:187:TYR:H	3	0.45
(3,1282)	1:B:185:ILE:HD11	1:B:192:ILE:H	3	0.45
(3,1282)	1:B:185:ILE:HG13	1:A:187:TYR:H	3	0.45
(3,1282)	1:B:185:ILE:HG13	1:A:192:ILE:H	3	0.45
(3,1282)	1:B:185:ILE:HG13	1:B:187:TYR:H	3	0.45
(3,1282)	1:B:185:ILE:HG13	1:B:192:ILE:H	3	0.45
(3,1282)	1:B:192:ILE:HG12	1:A:187:TYR:H	3	0.45
(3,1282)	1:B:192:ILE:HG12	1:A:192:ILE:H	3	0.45
(3,1282)	1:B:192:ILE:HG12	1:B:187:TYR:H	3	0.45
(3,1282)	1:B:192:ILE:HG12	1:B:192:ILE:H	3	0.45
(3,1259)	1:A:168:GLY:HA3	1:A:207:ILE:H	5	0.45
(3,1259)	1:A:168:GLY:HA3	1:B:207:ILE:H	5	0.45
(3,1259)	1:B:168:GLY:HA3	1:A:207:ILE:H	5	0.45
(3,1259)	1:B:168:GLY:HA3	1:B:207:ILE:H	5	0.45
(3,1230)	1:A:152:ASP:HB2	1:A:149:LYS:H	9	0.45
(3,1230)	1:A:152:ASP:HB2	1:A:166:GLU:H	9	0.45
(3,1230)	1:A:152:ASP:HB2	1:B:149:LYS:H	9	0.45
(3,1230)	1:A:152:ASP:HB2	1:B:166:GLU:H	9	0.45
(3,1230)	1:A:163:GLN:HG2	1:A:149:LYS:H	9	0.45
(3,1230)	1:A:163:GLN:HG2	1:A:166:GLU:H	9	0.45
(3,1230)	1:A:163:GLN:HG2	1:B:149:LYS:H	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1230)	1:A:163:GLN:HG2	1:B:166:GLU:H	9	0.45
(3,1230)	1:A:164:GLU:HG2	1:A:149:LYS:H	9	0.45
(3,1230)	1:A:164:GLU:HG2	1:A:166:GLU:H	9	0.45
(3,1230)	1:A:164:GLU:HG2	1:B:149:LYS:H	9	0.45
(3,1230)	1:A:164:GLU:HG2	1:B:166:GLU:H	9	0.45
(3,1230)	1:B:152:ASP:HB2	1:A:149:LYS:H	9	0.45
(3,1230)	1:B:152:ASP:HB2	1:A:166:GLU:H	9	0.45
(3,1230)	1:B:152:ASP:HB2	1:B:149:LYS:H	9	0.45
(3,1230)	1:B:152:ASP:HB2	1:B:166:GLU:H	9	0.45
(3,1230)	1:B:163:GLN:HG2	1:A:149:LYS:H	9	0.45
(3,1230)	1:B:163:GLN:HG2	1:A:166:GLU:H	9	0.45
(3,1230)	1:B:163:GLN:HG2	1:B:149:LYS:H	9	0.45
(3,1230)	1:B:163:GLN:HG2	1:B:166:GLU:H	9	0.45
(3,1230)	1:B:164:GLU:HG2	1:A:149:LYS:H	9	0.45
(3,1230)	1:B:164:GLU:HG2	1:A:166:GLU:H	9	0.45
(3,1230)	1:B:164:GLU:HG2	1:B:149:LYS:H	9	0.45
(3,1230)	1:B:164:GLU:HG2	1:B:166:GLU:H	9	0.45
(1,726)	1:A:193:PHE:H	1:A:195:LYS:HB3	8	0.45
(1,716)	1:A:184:SER:H	1:A:186:GLU:HB2	10	0.45
(1,252)	1:A:152:ASP:H	1:A:154:LEU:HB3	10	0.45
(3,448)	1:A:173:GLU:HB2	1:A:170:THR:H	6	0.44
(3,438)	1:A:167:LYS:HB2	1:A:168:GLY:H	5	0.44
(3,1441)	1:A:172:GLN:HG3	1:A:172:GLN:HA	8	0.44
(3,1441)	1:A:172:GLN:HG3	1:B:172:GLN:HA	8	0.44
(3,1441)	1:B:172:GLN:HG3	1:A:172:GLN:HA	8	0.44
(3,1441)	1:B:172:GLN:HG3	1:B:172:GLN:HA	8	0.44
(3,1282)	1:A:185:ILE:HD11	1:A:187:TYR:H	4	0.44
(3,1282)	1:A:185:ILE:HD11	1:A:192:ILE:H	4	0.44
(3,1282)	1:A:185:ILE:HD11	1:B:187:TYR:H	4	0.44
(3,1282)	1:A:185:ILE:HD11	1:B:192:ILE:H	4	0.44
(3,1282)	1:A:185:ILE:HD12	1:A:187:TYR:H	4	0.44
(3,1282)	1:A:185:ILE:HD12	1:A:192:ILE:H	4	0.44
(3,1282)	1:A:185:ILE:HD12	1:B:187:TYR:H	4	0.44
(3,1282)	1:A:185:ILE:HD12	1:B:192:ILE:H	4	0.44
(3,1282)	1:A:185:ILE:HD13	1:A:187:TYR:H	4	0.44
(3,1282)	1:A:185:ILE:HD13	1:A:192:ILE:H	4	0.44
(3,1282)	1:A:185:ILE:HD13	1:B:187:TYR:H	4	0.44
(3,1282)	1:A:185:ILE:HD13	1:B:192:ILE:H	4	0.44
(3,1282)	1:A:189:LEU:HD11	1:A:187:TYR:H	4	0.44
(3,1282)	1:A:189:LEU:HD11	1:A:192:ILE:H	4	0.44
(3,1282)	1:A:189:LEU:HD11	1:B:187:TYR:H	4	0.44
(3,1282)	1:A:189:LEU:HD11	1:B:192:ILE:H	4	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1282)	1:A:189:LEU:HD12	1:A:187:TYR:H	4	0.44
(3,1282)	1:A:189:LEU:HD12	1:A:192:ILE:H	4	0.44
(3,1282)	1:A:189:LEU:HD12	1:B:187:TYR:H	4	0.44
(3,1282)	1:A:189:LEU:HD12	1:B:192:ILE:H	4	0.44
(3,1282)	1:A:189:LEU:HD13	1:A:187:TYR:H	4	0.44
(3,1282)	1:A:189:LEU:HD13	1:A:192:ILE:H	4	0.44
(3,1282)	1:A:189:LEU:HD13	1:B:187:TYR:H	4	0.44
(3,1282)	1:A:189:LEU:HD13	1:B:192:ILE:H	4	0.44
(3,1282)	1:A:192:ILE:HG12	1:A:187:TYR:H	4	0.44
(3,1282)	1:A:192:ILE:HG12	1:A:192:ILE:H	4	0.44
(3,1282)	1:A:192:ILE:HG12	1:B:187:TYR:H	4	0.44
(3,1282)	1:A:192:ILE:HG12	1:B:192:ILE:H	4	0.44
(3,1282)	1:B:185:ILE:HD11	1:A:187:TYR:H	4	0.44
(3,1282)	1:B:185:ILE:HD11	1:A:192:ILE:H	4	0.44
(3,1282)	1:B:185:ILE:HD11	1:B:187:TYR:H	4	0.44
(3,1282)	1:B:185:ILE:HD11	1:B:192:ILE:H	4	0.44
(3,1282)	1:B:185:ILE:HG13	1:A:187:TYR:H	4	0.44
(3,1282)	1:B:185:ILE:HG13	1:A:192:ILE:H	4	0.44
(3,1282)	1:B:185:ILE:HG13	1:B:187:TYR:H	4	0.44
(3,1282)	1:B:185:ILE:HG13	1:B:192:ILE:H	4	0.44
(3,1282)	1:B:192:ILE:HG12	1:A:187:TYR:H	4	0.44
(3,1282)	1:B:192:ILE:HG12	1:A:192:ILE:H	4	0.44
(3,1282)	1:B:192:ILE:HG12	1:B:187:TYR:H	4	0.44
(3,1282)	1:B:192:ILE:HG12	1:B:192:ILE:H	4	0.44
(3,1259)	1:A:168:GLY:HA3	1:A:207:ILE:H	7	0.44
(3,1259)	1:A:168:GLY:HA3	1:B:207:ILE:H	7	0.44
(3,1259)	1:B:168:GLY:HA3	1:A:207:ILE:H	7	0.44
(3,1259)	1:B:168:GLY:HA3	1:B:207:ILE:H	7	0.44
(3,1230)	1:A:152:ASP:HB2	1:A:149:LYS:H	8	0.44
(3,1230)	1:A:152:ASP:HB2	1:A:166:GLU:H	8	0.44
(3,1230)	1:A:152:ASP:HB2	1:B:149:LYS:H	8	0.44
(3,1230)	1:A:152:ASP:HB2	1:B:166:GLU:H	8	0.44
(3,1230)	1:A:163:GLN:HG2	1:A:149:LYS:H	8	0.44
(3,1230)	1:A:163:GLN:HG2	1:A:166:GLU:H	8	0.44
(3,1230)	1:A:163:GLN:HG2	1:B:149:LYS:H	8	0.44
(3,1230)	1:A:163:GLN:HG2	1:B:166:GLU:H	8	0.44
(3,1230)	1:A:164:GLU:HG2	1:A:149:LYS:H	8	0.44
(3,1230)	1:A:164:GLU:HG2	1:A:166:GLU:H	8	0.44
(3,1230)	1:A:164:GLU:HG2	1:B:149:LYS:H	8	0.44
(3,1230)	1:A:164:GLU:HG2	1:B:166:GLU:H	8	0.44
(3,1230)	1:B:152:ASP:HB2	1:A:149:LYS:H	8	0.44
(3,1230)	1:B:152:ASP:HB2	1:A:166:GLU:H	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1230)	1:B:152:ASP:HB2	1:B:149:LYS:H	8	0.44
(3,1230)	1:B:152:ASP:HB2	1:B:166:GLU:H	8	0.44
(3,1230)	1:B:163:GLN:HG2	1:A:149:LYS:H	8	0.44
(3,1230)	1:B:163:GLN:HG2	1:A:166:GLU:H	8	0.44
(3,1230)	1:B:163:GLN:HG2	1:B:149:LYS:H	8	0.44
(3,1230)	1:B:163:GLN:HG2	1:B:166:GLU:H	8	0.44
(3,1230)	1:B:164:GLU:HG2	1:A:149:LYS:H	8	0.44
(3,1230)	1:B:164:GLU:HG2	1:A:166:GLU:H	8	0.44
(3,1230)	1:B:164:GLU:HG2	1:B:149:LYS:H	8	0.44
(3,1230)	1:B:164:GLU:HG2	1:B:166:GLU:H	8	0.44
(3,1107)	1:A:173:GLU:HB2	1:A:172:GLN:H	9	0.44
(3,1107)	1:A:173:GLU:HB2	1:B:172:GLN:H	9	0.44
(3,1107)	1:A:182:LYS:HB3	1:A:172:GLN:H	9	0.44
(3,1107)	1:A:182:LYS:HB3	1:B:172:GLN:H	9	0.44
(3,1107)	1:B:173:GLU:HB2	1:A:172:GLN:H	9	0.44
(3,1107)	1:B:173:GLU:HB2	1:B:172:GLN:H	9	0.44
(3,1107)	1:B:182:LYS:HB3	1:A:172:GLN:H	9	0.44
(3,1107)	1:B:182:LYS:HB3	1:B:172:GLN:H	9	0.44
(1,476)	1:A:176:ASP:H	1:A:173:GLU:HG2	3	0.44
(1,252)	1:A:152:ASP:H	1:A:154:LEU:HB3	5	0.44
(1,1987)	1:A:149:LYS:HA	1:A:159:CYS:HB3	5	0.44
(1,1987)	1:A:149:LYS:HA	1:B:159:CYS:HB3	5	0.44
(1,1987)	1:A:150:GLU:HA	1:A:159:CYS:HB3	5	0.44
(1,1987)	1:A:150:GLU:HA	1:B:159:CYS:HB3	5	0.44
(1,1987)	1:A:151:GLN:HA	1:A:159:CYS:HB3	5	0.44
(1,1987)	1:A:151:GLN:HA	1:B:159:CYS:HB3	5	0.44
(1,1987)	1:B:151:GLN:HA	1:A:159:CYS:HB3	5	0.44
(1,1987)	1:B:151:GLN:HA	1:B:159:CYS:HB3	5	0.44
(3,836)	1:A:149:LYS:HB2	1:A:150:GLU:H	3	0.43
(3,836)	1:A:149:LYS:HB2	1:A:166:GLU:H	3	0.43
(3,836)	1:A:149:LYS:HB2	1:B:166:GLU:H	3	0.43
(3,836)	1:A:166:GLU:HG2	1:A:150:GLU:H	3	0.43
(3,836)	1:A:166:GLU:HG2	1:A:166:GLU:H	3	0.43
(3,836)	1:A:166:GLU:HG2	1:B:166:GLU:H	3	0.43
(3,836)	1:B:166:GLU:HG2	1:A:150:GLU:H	3	0.43
(3,836)	1:B:166:GLU:HG2	1:A:166:GLU:H	3	0.43
(3,836)	1:B:166:GLU:HG2	1:B:166:GLU:H	3	0.43
(3,662)	1:A:178:LEU:HD11	1:A:157:ARG:HG2	9	0.43
(3,662)	1:A:178:LEU:HD12	1:A:157:ARG:HG2	9	0.43
(3,662)	1:A:178:LEU:HD13	1:A:157:ARG:HG2	9	0.43
(3,1282)	1:A:185:ILE:HD11	1:A:187:TYR:H	1	0.43
(3,1282)	1:A:185:ILE:HD11	1:A:192:ILE:H	1	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1282)	1:A:185:ILE:HD11	1:B:187:TYR:H	1	0.43
(3,1282)	1:A:185:ILE:HD11	1:B:192:ILE:H	1	0.43
(3,1282)	1:A:185:ILE:HD12	1:A:187:TYR:H	1	0.43
(3,1282)	1:A:185:ILE:HD12	1:A:192:ILE:H	1	0.43
(3,1282)	1:A:185:ILE:HD12	1:B:187:TYR:H	1	0.43
(3,1282)	1:A:185:ILE:HD12	1:B:192:ILE:H	1	0.43
(3,1282)	1:A:185:ILE:HD13	1:A:187:TYR:H	1	0.43
(3,1282)	1:A:185:ILE:HD13	1:A:192:ILE:H	1	0.43
(3,1282)	1:A:185:ILE:HD13	1:B:187:TYR:H	1	0.43
(3,1282)	1:A:185:ILE:HD13	1:B:192:ILE:H	1	0.43
(3,1282)	1:A:189:LEU:HD11	1:A:187:TYR:H	1	0.43
(3,1282)	1:A:189:LEU:HD11	1:A:192:ILE:H	1	0.43
(3,1282)	1:A:189:LEU:HD11	1:B:187:TYR:H	1	0.43
(3,1282)	1:A:189:LEU:HD11	1:B:192:ILE:H	1	0.43
(3,1282)	1:A:189:LEU:HD12	1:A:187:TYR:H	1	0.43
(3,1282)	1:A:189:LEU:HD12	1:A:192:ILE:H	1	0.43
(3,1282)	1:A:189:LEU:HD12	1:B:187:TYR:H	1	0.43
(3,1282)	1:A:189:LEU:HD12	1:B:192:ILE:H	1	0.43
(3,1282)	1:A:189:LEU:HD13	1:A:187:TYR:H	1	0.43
(3,1282)	1:A:189:LEU:HD13	1:A:192:ILE:H	1	0.43
(3,1282)	1:A:189:LEU:HD13	1:B:187:TYR:H	1	0.43
(3,1282)	1:A:189:LEU:HD13	1:B:192:ILE:H	1	0.43
(3,1282)	1:A:192:ILE:HG12	1:A:187:TYR:H	1	0.43
(3,1282)	1:A:192:ILE:HG12	1:A:192:ILE:H	1	0.43
(3,1282)	1:A:192:ILE:HG12	1:B:187:TYR:H	1	0.43
(3,1282)	1:A:192:ILE:HG12	1:B:192:ILE:H	1	0.43
(3,1282)	1:B:185:ILE:HD11	1:A:187:TYR:H	1	0.43
(3,1282)	1:B:185:ILE:HD11	1:A:192:ILE:H	1	0.43
(3,1282)	1:B:185:ILE:HD11	1:B:187:TYR:H	1	0.43
(3,1282)	1:B:185:ILE:HD11	1:B:192:ILE:H	1	0.43
(3,1282)	1:B:185:ILE:HG13	1:A:187:TYR:H	1	0.43
(3,1282)	1:B:185:ILE:HG13	1:A:192:ILE:H	1	0.43
(3,1282)	1:B:185:ILE:HG13	1:B:187:TYR:H	1	0.43
(3,1282)	1:B:185:ILE:HG13	1:B:192:ILE:H	1	0.43
(3,1282)	1:B:192:ILE:HG12	1:A:187:TYR:H	1	0.43
(3,1282)	1:B:192:ILE:HG12	1:A:192:ILE:H	1	0.43
(3,1282)	1:B:192:ILE:HG12	1:B:187:TYR:H	1	0.43
(3,1282)	1:B:192:ILE:HG12	1:B:192:ILE:H	1	0.43
(3,1107)	1:A:173:GLU:HB2	1:A:172:GLN:H	10	0.43
(3,1107)	1:A:173:GLU:HB2	1:B:172:GLN:H	10	0.43
(3,1107)	1:A:182:LYS:HB3	1:A:172:GLN:H	10	0.43
(3,1107)	1:A:182:LYS:HB3	1:B:172:GLN:H	10	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1107)	1:B:173:GLU:HB2	1:A:172:GLN:H	10	0.43
(3,1107)	1:B:173:GLU:HB2	1:B:172:GLN:H	10	0.43
(3,1107)	1:B:182:LYS:HB3	1:A:172:GLN:H	10	0.43
(3,1107)	1:B:182:LYS:HB3	1:B:172:GLN:H	10	0.43
(1,954)	1:A:178:LEU:H	1:A:180:LEU:HB3	2	0.43
(3,973)	1:A:173:GLU:HB2	1:A:170:THR:H	5	0.42
(3,973)	1:A:173:GLU:HB2	1:B:170:THR:H	5	0.42
(3,973)	1:B:173:GLU:HB2	1:A:170:THR:H	5	0.42
(3,973)	1:B:173:GLU:HB2	1:B:170:THR:H	5	0.42
(3,899)	1:A:157:ARG:HB2	1:A:158:GLU:H	8	0.42
(3,899)	1:A:157:ARG:HB2	1:B:158:GLU:H	8	0.42
(3,899)	1:B:158:GLU:HG3	1:A:158:GLU:H	8	0.42
(3,899)	1:B:158:GLU:HG3	1:B:158:GLU:H	8	0.42
(3,438)	1:A:167:LYS:HB2	1:A:168:GLY:H	1	0.42
(3,26)	1:A:193:PHE:H	1:A:193:PHE:HB2	3	0.42
(3,1254)	1:A:186:GLU:HB2	1:A:184:SER:H	10	0.42
(3,1254)	1:A:186:GLU:HB2	1:B:184:SER:H	10	0.42
(3,1254)	1:B:186:GLU:HB2	1:A:184:SER:H	10	0.42
(3,1254)	1:B:186:GLU:HB2	1:B:184:SER:H	10	0.42
(3,1230)	1:A:152:ASP:HB2	1:A:149:LYS:H	2	0.42
(3,1230)	1:A:152:ASP:HB2	1:A:166:GLU:H	2	0.42
(3,1230)	1:A:152:ASP:HB2	1:B:149:LYS:H	2	0.42
(3,1230)	1:A:152:ASP:HB2	1:B:166:GLU:H	2	0.42
(3,1230)	1:A:163:GLN:HG2	1:A:149:LYS:H	2	0.42
(3,1230)	1:A:163:GLN:HG2	1:A:166:GLU:H	2	0.42
(3,1230)	1:A:163:GLN:HG2	1:B:149:LYS:H	2	0.42
(3,1230)	1:A:163:GLN:HG2	1:B:166:GLU:H	2	0.42
(3,1230)	1:A:164:GLU:HG2	1:A:149:LYS:H	2	0.42
(3,1230)	1:A:164:GLU:HG2	1:A:166:GLU:H	2	0.42
(3,1230)	1:A:164:GLU:HG2	1:B:149:LYS:H	2	0.42
(3,1230)	1:A:164:GLU:HG2	1:B:166:GLU:H	2	0.42
(3,1230)	1:A:164:GLU:HG2	1:A:149:LYS:H	2	0.42
(3,1230)	1:A:164:GLU:HG2	1:A:166:GLU:H	2	0.42
(3,1230)	1:A:164:GLU:HG2	1:B:149:LYS:H	2	0.42
(3,1230)	1:A:164:GLU:HG2	1:B:166:GLU:H	2	0.42
(3,1230)	1:B:152:ASP:HB2	1:A:149:LYS:H	2	0.42
(3,1230)	1:B:152:ASP:HB2	1:A:166:GLU:H	2	0.42
(3,1230)	1:B:152:ASP:HB2	1:B:149:LYS:H	2	0.42
(3,1230)	1:B:152:ASP:HB2	1:B:166:GLU:H	2	0.42
(3,1230)	1:B:163:GLN:HG2	1:A:149:LYS:H	2	0.42
(3,1230)	1:B:163:GLN:HG2	1:A:166:GLU:H	2	0.42
(3,1230)	1:B:163:GLN:HG2	1:B:149:LYS:H	2	0.42
(3,1230)	1:B:163:GLN:HG2	1:B:166:GLU:H	2	0.42
(3,1230)	1:B:164:GLU:HG2	1:A:149:LYS:H	2	0.42
(3,1230)	1:B:164:GLU:HG2	1:A:166:GLU:H	2	0.42
(3,1230)	1:B:164:GLU:HG2	1:B:149:LYS:H	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1230)	1:B:164:GLU:HG2	1:B:166:GLU:H	2	0.42
(3,1230)	1:A:152:ASP:HB2	1:A:149:LYS:H	4	0.42
(3,1230)	1:A:152:ASP:HB2	1:A:166:GLU:H	4	0.42
(3,1230)	1:A:152:ASP:HB2	1:B:149:LYS:H	4	0.42
(3,1230)	1:A:152:ASP:HB2	1:B:166:GLU:H	4	0.42
(3,1230)	1:A:163:GLN:HG2	1:A:149:LYS:H	4	0.42
(3,1230)	1:A:163:GLN:HG2	1:A:166:GLU:H	4	0.42
(3,1230)	1:A:163:GLN:HG2	1:B:149:LYS:H	4	0.42
(3,1230)	1:A:163:GLN:HG2	1:B:166:GLU:H	4	0.42
(3,1230)	1:A:164:GLU:HG2	1:A:149:LYS:H	4	0.42
(3,1230)	1:A:164:GLU:HG2	1:A:166:GLU:H	4	0.42
(3,1230)	1:A:164:GLU:HG2	1:B:149:LYS:H	4	0.42
(3,1230)	1:A:164:GLU:HG2	1:B:166:GLU:H	4	0.42
(3,1230)	1:B:152:ASP:HB2	1:A:149:LYS:H	4	0.42
(3,1230)	1:B:152:ASP:HB2	1:A:166:GLU:H	4	0.42
(3,1230)	1:B:152:ASP:HB2	1:B:149:LYS:H	4	0.42
(3,1230)	1:B:152:ASP:HB2	1:B:166:GLU:H	4	0.42
(3,1230)	1:B:163:GLN:HG2	1:A:149:LYS:H	4	0.42
(3,1230)	1:B:163:GLN:HG2	1:A:166:GLU:H	4	0.42
(3,1230)	1:B:163:GLN:HG2	1:B:149:LYS:H	4	0.42
(3,1230)	1:B:163:GLN:HG2	1:B:166:GLU:H	4	0.42
(3,1230)	1:B:164:GLU:HG2	1:A:149:LYS:H	4	0.42
(3,1230)	1:B:164:GLU:HG2	1:A:166:GLU:H	4	0.42
(3,1230)	1:B:164:GLU:HG2	1:B:149:LYS:H	4	0.42
(3,1230)	1:B:164:GLU:HG2	1:B:166:GLU:H	4	0.42
(3,1230)	1:A:152:ASP:HB2	1:A:149:LYS:H	10	0.42
(3,1230)	1:A:152:ASP:HB2	1:A:166:GLU:H	10	0.42
(3,1230)	1:A:152:ASP:HB2	1:B:149:LYS:H	10	0.42
(3,1230)	1:A:152:ASP:HB2	1:B:166:GLU:H	10	0.42
(3,1230)	1:A:163:GLN:HG2	1:A:149:LYS:H	10	0.42
(3,1230)	1:A:163:GLN:HG2	1:A:166:GLU:H	10	0.42
(3,1230)	1:A:163:GLN:HG2	1:B:149:LYS:H	10	0.42
(3,1230)	1:A:163:GLN:HG2	1:B:166:GLU:H	10	0.42
(3,1230)	1:A:164:GLU:HG2	1:A:149:LYS:H	10	0.42
(3,1230)	1:A:164:GLU:HG2	1:A:166:GLU:H	10	0.42
(3,1230)	1:A:164:GLU:HG2	1:B:149:LYS:H	10	0.42
(3,1230)	1:A:164:GLU:HG2	1:B:166:GLU:H	10	0.42
(3,1230)	1:B:152:ASP:HB2	1:A:149:LYS:H	10	0.42
(3,1230)	1:B:152:ASP:HB2	1:A:166:GLU:H	10	0.42
(3,1230)	1:B:152:ASP:HB2	1:B:149:LYS:H	10	0.42
(3,1230)	1:B:152:ASP:HB2	1:B:166:GLU:H	10	0.42
(3,1230)	1:B:163:GLN:HG2	1:A:149:LYS:H	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1230)	1:B:163:GLN:HG2	1:A:166:GLU:H	10	0.42
(3,1230)	1:B:163:GLN:HG2	1:B:149:LYS:H	10	0.42
(3,1230)	1:B:163:GLN:HG2	1:B:166:GLU:H	10	0.42
(3,1230)	1:B:164:GLU:HG2	1:A:149:LYS:H	10	0.42
(3,1230)	1:B:164:GLU:HG2	1:A:166:GLU:H	10	0.42
(3,1230)	1:B:164:GLU:HG2	1:B:149:LYS:H	10	0.42
(3,1230)	1:B:164:GLU:HG2	1:B:166:GLU:H	10	0.42
(3,1103)	1:A:195:LYS:HE2	1:A:193:PHE:H	10	0.42
(3,1103)	1:A:195:LYS:HE2	1:B:193:PHE:H	10	0.42
(3,1103)	1:B:195:LYS:HE2	1:A:193:PHE:H	10	0.42
(3,1103)	1:B:195:LYS:HE2	1:B:193:PHE:H	10	0.42
(1,954)	1:A:178:LEU:H	1:A:180:LEU:HB3	8	0.42
(1,252)	1:A:152:ASP:H	1:A:154:LEU:HB3	1	0.42
(1,252)	1:A:152:ASP:H	1:A:154:LEU:HB3	4	0.42
(1,1822)	1:A:158:GLU:HG3	1:A:193:PHE:H	6	0.42
(1,1822)	1:A:158:GLU:HG3	1:B:193:PHE:H	6	0.42
(1,1822)	1:A:186:GLU:HG2	1:A:193:PHE:H	6	0.42
(1,1822)	1:A:186:GLU:HG2	1:B:193:PHE:H	6	0.42
(1,1822)	1:A:203:GLU:HG2	1:A:193:PHE:H	6	0.42
(1,1822)	1:A:203:GLU:HG2	1:B:193:PHE:H	6	0.42
(1,1822)	1:A:205:VAL:HB	1:A:193:PHE:H	6	0.42
(1,1822)	1:A:205:VAL:HB	1:B:193:PHE:H	6	0.42
(1,1822)	1:B:158:GLU:HG3	1:A:193:PHE:H	6	0.42
(1,1822)	1:B:158:GLU:HG3	1:B:193:PHE:H	6	0.42
(1,1822)	1:B:186:GLU:HG2	1:A:193:PHE:H	6	0.42
(1,1822)	1:B:186:GLU:HG2	1:B:193:PHE:H	6	0.42
(1,1822)	1:B:203:GLU:HG2	1:A:193:PHE:H	6	0.42
(1,1822)	1:B:203:GLU:HG2	1:B:193:PHE:H	6	0.42
(1,1822)	1:B:205:VAL:HB	1:A:193:PHE:H	6	0.42
(1,1822)	1:B:205:VAL:HB	1:B:193:PHE:H	6	0.42
(3,767)	1:B:209:LYS:HG2	1:A:209:LYS:HB2	1	0.41
(3,767)	1:B:209:LYS:HG3	1:A:209:LYS:HB2	1	0.41
(3,448)	1:A:173:GLU:HB2	1:A:170:THR:H	9	0.41
(3,443)	1:A:194:ASN:HB2	1:A:195:LYS:H	7	0.41
(3,438)	1:A:167:LYS:HB2	1:A:168:GLY:H	4	0.41
(3,1426)	1:A:157:ARG:HD2	1:A:157:ARG:HA	1	0.41
(3,1426)	1:A:157:ARG:HD2	1:A:183:ARG:HA	1	0.41
(3,1426)	1:A:157:ARG:HD2	1:B:157:ARG:HA	1	0.41
(3,1426)	1:A:157:ARG:HD2	1:B:183:ARG:HA	1	0.41
(3,1426)	1:A:159:CYS:HB2	1:A:157:ARG:HA	1	0.41
(3,1426)	1:A:159:CYS:HB2	1:A:183:ARG:HA	1	0.41
(3,1426)	1:A:159:CYS:HB2	1:B:157:ARG:HA	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1426)	1:A:159:CYS:HB2	1:B:183:ARG:HA	1	0.41
(3,1426)	1:A:183:ARG:HD2	1:A:157:ARG:HA	1	0.41
(3,1426)	1:A:183:ARG:HD2	1:A:183:ARG:HA	1	0.41
(3,1426)	1:A:183:ARG:HD2	1:B:157:ARG:HA	1	0.41
(3,1426)	1:A:183:ARG:HD2	1:B:183:ARG:HA	1	0.41
(3,1426)	1:B:156:PRO:HD2	1:A:157:ARG:HA	1	0.41
(3,1426)	1:B:156:PRO:HD2	1:A:183:ARG:HA	1	0.41
(3,1426)	1:B:156:PRO:HD2	1:B:157:ARG:HA	1	0.41
(3,1426)	1:B:156:PRO:HD2	1:B:183:ARG:HA	1	0.41
(3,1426)	1:B:157:ARG:HD2	1:A:157:ARG:HA	1	0.41
(3,1426)	1:B:157:ARG:HD2	1:A:183:ARG:HA	1	0.41
(3,1426)	1:B:157:ARG:HD2	1:B:157:ARG:HA	1	0.41
(3,1426)	1:B:157:ARG:HD2	1:B:183:ARG:HA	1	0.41
(3,1426)	1:B:183:ARG:HD2	1:A:157:ARG:HA	1	0.41
(3,1426)	1:B:183:ARG:HD2	1:A:183:ARG:HA	1	0.41
(3,1426)	1:B:183:ARG:HD2	1:B:157:ARG:HA	1	0.41
(3,1426)	1:B:183:ARG:HD2	1:B:183:ARG:HA	1	0.41
(3,1282)	1:A:185:ILE:HD11	1:A:187:TYR:H	5	0.41
(3,1282)	1:A:185:ILE:HD11	1:A:192:ILE:H	5	0.41
(3,1282)	1:A:185:ILE:HD11	1:B:187:TYR:H	5	0.41
(3,1282)	1:A:185:ILE:HD11	1:B:192:ILE:H	5	0.41
(3,1282)	1:A:185:ILE:HD12	1:A:187:TYR:H	5	0.41
(3,1282)	1:A:185:ILE:HD12	1:A:192:ILE:H	5	0.41
(3,1282)	1:A:185:ILE:HD12	1:B:187:TYR:H	5	0.41
(3,1282)	1:A:185:ILE:HD12	1:B:192:ILE:H	5	0.41
(3,1282)	1:A:185:ILE:HD13	1:A:187:TYR:H	5	0.41
(3,1282)	1:A:185:ILE:HD13	1:A:192:ILE:H	5	0.41
(3,1282)	1:A:185:ILE:HD13	1:B:187:TYR:H	5	0.41
(3,1282)	1:A:185:ILE:HD13	1:B:192:ILE:H	5	0.41
(3,1282)	1:A:189:LEU:HD11	1:A:187:TYR:H	5	0.41
(3,1282)	1:A:189:LEU:HD11	1:A:192:ILE:H	5	0.41
(3,1282)	1:A:189:LEU:HD11	1:B:187:TYR:H	5	0.41
(3,1282)	1:A:189:LEU:HD11	1:B:192:ILE:H	5	0.41
(3,1282)	1:A:189:LEU:HD12	1:A:187:TYR:H	5	0.41
(3,1282)	1:A:189:LEU:HD12	1:A:192:ILE:H	5	0.41
(3,1282)	1:A:189:LEU:HD12	1:B:187:TYR:H	5	0.41
(3,1282)	1:A:189:LEU:HD12	1:B:192:ILE:H	5	0.41
(3,1282)	1:A:189:LEU:HD13	1:A:187:TYR:H	5	0.41
(3,1282)	1:A:189:LEU:HD13	1:A:192:ILE:H	5	0.41
(3,1282)	1:A:189:LEU:HD13	1:B:187:TYR:H	5	0.41
(3,1282)	1:A:189:LEU:HD13	1:B:192:ILE:H	5	0.41
(3,1282)	1:A:192:ILE:HG12	1:A:187:TYR:H	5	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1282)	1:A:192:ILE:HG12	1:A:192:ILE:H	5	0.41
(3,1282)	1:A:192:ILE:HG12	1:B:187:TYR:H	5	0.41
(3,1282)	1:A:192:ILE:HG12	1:B:192:ILE:H	5	0.41
(3,1282)	1:B:185:ILE:HD11	1:A:187:TYR:H	5	0.41
(3,1282)	1:B:185:ILE:HD11	1:A:192:ILE:H	5	0.41
(3,1282)	1:B:185:ILE:HD11	1:B:187:TYR:H	5	0.41
(3,1282)	1:B:185:ILE:HD11	1:B:192:ILE:H	5	0.41
(3,1282)	1:B:185:ILE:HG13	1:A:187:TYR:H	5	0.41
(3,1282)	1:B:185:ILE:HG13	1:A:192:ILE:H	5	0.41
(3,1282)	1:B:185:ILE:HG13	1:B:187:TYR:H	5	0.41
(3,1282)	1:B:185:ILE:HG13	1:B:192:ILE:H	5	0.41
(3,1282)	1:B:192:ILE:HG12	1:A:187:TYR:H	5	0.41
(3,1282)	1:B:192:ILE:HG12	1:A:192:ILE:H	5	0.41
(3,1282)	1:B:192:ILE:HG12	1:B:187:TYR:H	5	0.41
(3,1282)	1:B:192:ILE:HG12	1:B:192:ILE:H	5	0.41
(3,1282)	1:A:185:ILE:HD11	1:A:187:TYR:H	8	0.41
(3,1282)	1:A:185:ILE:HD11	1:A:192:ILE:H	8	0.41
(3,1282)	1:A:185:ILE:HD11	1:B:187:TYR:H	8	0.41
(3,1282)	1:A:185:ILE:HD11	1:B:192:ILE:H	8	0.41
(3,1282)	1:A:185:ILE:HD12	1:A:187:TYR:H	8	0.41
(3,1282)	1:A:185:ILE:HD12	1:A:192:ILE:H	8	0.41
(3,1282)	1:A:185:ILE:HD12	1:B:187:TYR:H	8	0.41
(3,1282)	1:A:185:ILE:HD12	1:B:192:ILE:H	8	0.41
(3,1282)	1:A:185:ILE:HD13	1:A:187:TYR:H	8	0.41
(3,1282)	1:A:185:ILE:HD13	1:A:192:ILE:H	8	0.41
(3,1282)	1:A:185:ILE:HD13	1:B:187:TYR:H	8	0.41
(3,1282)	1:A:185:ILE:HD13	1:B:192:ILE:H	8	0.41
(3,1282)	1:A:189:LEU:HD11	1:A:187:TYR:H	8	0.41
(3,1282)	1:A:189:LEU:HD11	1:A:192:ILE:H	8	0.41
(3,1282)	1:A:189:LEU:HD11	1:B:187:TYR:H	8	0.41
(3,1282)	1:A:189:LEU:HD11	1:B:192:ILE:H	8	0.41
(3,1282)	1:A:189:LEU:HD12	1:A:187:TYR:H	8	0.41
(3,1282)	1:A:189:LEU:HD12	1:A:192:ILE:H	8	0.41
(3,1282)	1:A:189:LEU:HD12	1:B:187:TYR:H	8	0.41
(3,1282)	1:A:189:LEU:HD12	1:B:192:ILE:H	8	0.41
(3,1282)	1:A:189:LEU:HD13	1:A:187:TYR:H	8	0.41
(3,1282)	1:A:189:LEU:HD13	1:A:192:ILE:H	8	0.41
(3,1282)	1:A:189:LEU:HD13	1:B:187:TYR:H	8	0.41
(3,1282)	1:A:189:LEU:HD13	1:B:192:ILE:H	8	0.41
(3,1282)	1:A:192:ILE:HG12	1:A:187:TYR:H	8	0.41
(3,1282)	1:A:192:ILE:HG12	1:A:192:ILE:H	8	0.41
(3,1282)	1:A:192:ILE:HG12	1:B:187:TYR:H	8	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1282)	1:A:192:ILE:HG12	1:B:192:ILE:H	8	0.41
(3,1282)	1:B:185:ILE:HD11	1:A:187:TYR:H	8	0.41
(3,1282)	1:B:185:ILE:HD11	1:A:192:ILE:H	8	0.41
(3,1282)	1:B:185:ILE:HD11	1:B:187:TYR:H	8	0.41
(3,1282)	1:B:185:ILE:HD11	1:B:192:ILE:H	8	0.41
(3,1282)	1:B:185:ILE:HG13	1:A:187:TYR:H	8	0.41
(3,1282)	1:B:185:ILE:HG13	1:A:192:ILE:H	8	0.41
(3,1282)	1:B:185:ILE:HG13	1:B:187:TYR:H	8	0.41
(3,1282)	1:B:185:ILE:HG13	1:B:192:ILE:H	8	0.41
(3,1282)	1:B:192:ILE:HG12	1:A:187:TYR:H	8	0.41
(3,1282)	1:B:192:ILE:HG12	1:A:192:ILE:H	8	0.41
(3,1282)	1:B:192:ILE:HG12	1:B:187:TYR:H	8	0.41
(3,1282)	1:B:192:ILE:HG12	1:B:192:ILE:H	8	0.41
(3,1107)	1:A:173:GLU:HB2	1:A:172:GLN:H	1	0.41
(3,1107)	1:A:173:GLU:HB2	1:B:172:GLN:H	1	0.41
(3,1107)	1:A:182:LYS:HB3	1:A:172:GLN:H	1	0.41
(3,1107)	1:A:182:LYS:HB3	1:B:172:GLN:H	1	0.41
(3,1107)	1:B:173:GLU:HB2	1:A:172:GLN:H	1	0.41
(3,1107)	1:B:173:GLU:HB2	1:B:172:GLN:H	1	0.41
(3,1107)	1:B:182:LYS:HB3	1:A:172:GLN:H	1	0.41
(3,1107)	1:B:182:LYS:HB3	1:B:172:GLN:H	1	0.41
(3,1103)	1:A:195:LYS:HE2	1:A:193:PHE:H	7	0.41
(3,1103)	1:A:195:LYS:HE2	1:B:193:PHE:H	7	0.41
(3,1103)	1:B:195:LYS:HE2	1:A:193:PHE:H	7	0.41
(3,1103)	1:B:195:LYS:HE2	1:B:193:PHE:H	7	0.41
(3,1021)	1:A:158:GLU:HG3	1:A:155:THR:H	8	0.41
(3,1021)	1:A:158:GLU:HG3	1:B:155:THR:H	8	0.41
(3,1021)	1:B:158:GLU:HG3	1:A:155:THR:H	8	0.41
(3,1021)	1:B:158:GLU:HG3	1:B:155:THR:H	8	0.41
(1,1437)	1:A:153:VAL:HG11	1:A:195:LYS:HB2	6	0.41
(1,1437)	1:A:153:VAL:HG12	1:A:195:LYS:HB2	6	0.41
(1,1437)	1:A:153:VAL:HG13	1:A:195:LYS:HB2	6	0.41
(3,448)	1:A:173:GLU:HB2	1:A:170:THR:H	3	0.4
(3,448)	1:A:173:GLU:HB2	1:A:170:THR:H	4	0.4
(3,438)	1:A:167:LYS:HB2	1:A:168:GLY:H	8	0.4
(3,1513)	1:A:165:VAL:HG11	1:A:171:ASN:HB2	8	0.4
(3,1513)	1:A:165:VAL:HG11	1:B:171:ASN:HB2	8	0.4
(3,1513)	1:A:165:VAL:HG12	1:A:171:ASN:HB2	8	0.4
(3,1513)	1:A:165:VAL:HG12	1:B:171:ASN:HB2	8	0.4
(3,1513)	1:A:165:VAL:HG13	1:A:171:ASN:HB2	8	0.4
(3,1513)	1:A:165:VAL:HG13	1:B:171:ASN:HB2	8	0.4
(3,1513)	1:A:174:ILE:HD11	1:A:171:ASN:HB2	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1513)	1:A:174:ILE:HD11	1:B:171:ASN:HB2	8	0.4
(3,1513)	1:A:174:ILE:HD12	1:A:171:ASN:HB2	8	0.4
(3,1513)	1:A:174:ILE:HD12	1:B:171:ASN:HB2	8	0.4
(3,1513)	1:A:174:ILE:HD13	1:A:171:ASN:HB2	8	0.4
(3,1513)	1:A:174:ILE:HD13	1:B:171:ASN:HB2	8	0.4
(3,1513)	1:A:185:ILE:HD11	1:A:171:ASN:HB2	8	0.4
(3,1513)	1:A:185:ILE:HD11	1:B:171:ASN:HB2	8	0.4
(3,1513)	1:A:185:ILE:HD12	1:A:171:ASN:HB2	8	0.4
(3,1513)	1:A:185:ILE:HD12	1:B:171:ASN:HB2	8	0.4
(3,1513)	1:A:185:ILE:HD13	1:A:171:ASN:HB2	8	0.4
(3,1513)	1:A:185:ILE:HD13	1:B:171:ASN:HB2	8	0.4
(3,1513)	1:B:185:ILE:HD11	1:A:171:ASN:HB2	8	0.4
(3,1513)	1:B:185:ILE:HD11	1:B:171:ASN:HB2	8	0.4
(3,1269)	1:A:149:LYS:HE3	1:A:150:GLU:H	3	0.4
(3,1269)	1:A:149:LYS:HE3	1:A:165:VAL:H	3	0.4
(3,1269)	1:A:149:LYS:HE3	1:B:150:GLU:H	3	0.4
(3,1269)	1:A:149:LYS:HE3	1:B:165:VAL:H	3	0.4
(3,1269)	1:A:165:VAL:HB	1:A:150:GLU:H	3	0.4
(3,1269)	1:A:165:VAL:HB	1:A:165:VAL:H	3	0.4
(3,1269)	1:A:165:VAL:HB	1:B:150:GLU:H	3	0.4
(3,1269)	1:A:165:VAL:HB	1:B:165:VAL:H	3	0.4
(3,1269)	1:B:149:LYS:HE3	1:A:150:GLU:H	3	0.4
(3,1269)	1:B:149:LYS:HE3	1:A:165:VAL:H	3	0.4
(3,1269)	1:B:149:LYS:HE3	1:B:150:GLU:H	3	0.4
(3,1269)	1:B:149:LYS:HE3	1:B:165:VAL:H	3	0.4
(3,1269)	1:B:151:GLN:HG2	1:A:150:GLU:H	3	0.4
(3,1269)	1:B:151:GLN:HG2	1:A:165:VAL:H	3	0.4
(3,1269)	1:B:151:GLN:HG2	1:B:150:GLU:H	3	0.4
(3,1269)	1:B:151:GLN:HG2	1:B:165:VAL:H	3	0.4
(3,1269)	1:B:165:VAL:HB	1:A:150:GLU:H	3	0.4
(3,1269)	1:B:165:VAL:HB	1:A:165:VAL:H	3	0.4
(3,1269)	1:B:165:VAL:HB	1:B:150:GLU:H	3	0.4
(3,1269)	1:B:165:VAL:HB	1:B:165:VAL:H	3	0.4
(3,1254)	1:A:186:GLU:HB2	1:A:184:SER:H	4	0.4
(3,1254)	1:A:186:GLU:HB2	1:B:184:SER:H	4	0.4
(3,1254)	1:B:186:GLU:HB2	1:A:184:SER:H	4	0.4
(3,1254)	1:B:186:GLU:HB2	1:B:184:SER:H	4	0.4
(1,766)	1:A:192:ILE:H	1:A:195:LYS:HB3	6	0.4
(3,438)	1:A:167:LYS:HB2	1:A:168:GLY:H	2	0.39
(3,438)	1:A:167:LYS:HB2	1:A:168:GLY:H	6	0.39
(3,1513)	1:A:165:VAL:HG11	1:A:171:ASN:HB2	10	0.39
(3,1513)	1:A:165:VAL:HG11	1:B:171:ASN:HB2	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1513)	1:A:165:VAL:HG12	1:A:171:ASN:HB2	10	0.39
(3,1513)	1:A:165:VAL:HG12	1:B:171:ASN:HB2	10	0.39
(3,1513)	1:A:165:VAL:HG13	1:A:171:ASN:HB2	10	0.39
(3,1513)	1:A:165:VAL:HG13	1:B:171:ASN:HB2	10	0.39
(3,1513)	1:A:174:ILE:HD11	1:A:171:ASN:HB2	10	0.39
(3,1513)	1:A:174:ILE:HD11	1:B:171:ASN:HB2	10	0.39
(3,1513)	1:A:174:ILE:HD12	1:A:171:ASN:HB2	10	0.39
(3,1513)	1:A:174:ILE:HD12	1:B:171:ASN:HB2	10	0.39
(3,1513)	1:A:174:ILE:HD13	1:A:171:ASN:HB2	10	0.39
(3,1513)	1:A:174:ILE:HD13	1:B:171:ASN:HB2	10	0.39
(3,1513)	1:A:185:ILE:HD11	1:A:171:ASN:HB2	10	0.39
(3,1513)	1:A:185:ILE:HD11	1:B:171:ASN:HB2	10	0.39
(3,1513)	1:A:185:ILE:HD12	1:A:171:ASN:HB2	10	0.39
(3,1513)	1:A:185:ILE:HD12	1:B:171:ASN:HB2	10	0.39
(3,1513)	1:A:185:ILE:HD13	1:A:171:ASN:HB2	10	0.39
(3,1513)	1:A:185:ILE:HD13	1:B:171:ASN:HB2	10	0.39
(3,1513)	1:B:185:ILE:HD11	1:A:171:ASN:HB2	10	0.39
(3,1513)	1:B:185:ILE:HD11	1:B:171:ASN:HB2	10	0.39
(3,1282)	1:A:185:ILE:HD11	1:A:187:TYR:H	7	0.39
(3,1282)	1:A:185:ILE:HD11	1:A:192:ILE:H	7	0.39
(3,1282)	1:A:185:ILE:HD11	1:B:187:TYR:H	7	0.39
(3,1282)	1:A:185:ILE:HD11	1:B:192:ILE:H	7	0.39
(3,1282)	1:A:185:ILE:HD12	1:A:187:TYR:H	7	0.39
(3,1282)	1:A:185:ILE:HD12	1:A:192:ILE:H	7	0.39
(3,1282)	1:A:185:ILE:HD12	1:B:187:TYR:H	7	0.39
(3,1282)	1:A:185:ILE:HD12	1:B:192:ILE:H	7	0.39
(3,1282)	1:A:185:ILE:HD13	1:A:187:TYR:H	7	0.39
(3,1282)	1:A:185:ILE:HD13	1:A:192:ILE:H	7	0.39
(3,1282)	1:A:185:ILE:HD13	1:B:187:TYR:H	7	0.39
(3,1282)	1:A:185:ILE:HD13	1:B:192:ILE:H	7	0.39
(3,1282)	1:A:189:LEU:HD11	1:A:187:TYR:H	7	0.39
(3,1282)	1:A:189:LEU:HD11	1:A:192:ILE:H	7	0.39
(3,1282)	1:A:189:LEU:HD11	1:B:187:TYR:H	7	0.39
(3,1282)	1:A:189:LEU:HD11	1:B:192:ILE:H	7	0.39
(3,1282)	1:A:189:LEU:HD12	1:A:187:TYR:H	7	0.39
(3,1282)	1:A:189:LEU:HD12	1:A:192:ILE:H	7	0.39
(3,1282)	1:A:189:LEU:HD12	1:B:187:TYR:H	7	0.39
(3,1282)	1:A:189:LEU:HD12	1:B:192:ILE:H	7	0.39
(3,1282)	1:A:189:LEU:HD13	1:A:187:TYR:H	7	0.39
(3,1282)	1:A:189:LEU:HD13	1:A:192:ILE:H	7	0.39
(3,1282)	1:A:189:LEU:HD13	1:B:187:TYR:H	7	0.39
(3,1282)	1:A:189:LEU:HD13	1:B:192:ILE:H	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1282)	1:A:192:ILE:HG12	1:A:187:TYR:H	7	0.39
(3,1282)	1:A:192:ILE:HG12	1:A:192:ILE:H	7	0.39
(3,1282)	1:A:192:ILE:HG12	1:B:187:TYR:H	7	0.39
(3,1282)	1:A:192:ILE:HG12	1:B:192:ILE:H	7	0.39
(3,1282)	1:B:185:ILE:HD11	1:A:187:TYR:H	7	0.39
(3,1282)	1:B:185:ILE:HD11	1:A:192:ILE:H	7	0.39
(3,1282)	1:B:185:ILE:HD11	1:B:187:TYR:H	7	0.39
(3,1282)	1:B:185:ILE:HD11	1:B:192:ILE:H	7	0.39
(3,1282)	1:B:185:ILE:HG13	1:A:187:TYR:H	7	0.39
(3,1282)	1:B:185:ILE:HG13	1:A:192:ILE:H	7	0.39
(3,1282)	1:B:185:ILE:HG13	1:B:187:TYR:H	7	0.39
(3,1282)	1:B:185:ILE:HG13	1:B:192:ILE:H	7	0.39
(3,1282)	1:B:192:ILE:HG12	1:A:187:TYR:H	7	0.39
(3,1282)	1:B:192:ILE:HG12	1:A:192:ILE:H	7	0.39
(3,1282)	1:B:192:ILE:HG12	1:B:187:TYR:H	7	0.39
(3,1282)	1:B:192:ILE:HG12	1:B:192:ILE:H	7	0.39
(3,1259)	1:A:168:GLY:HA3	1:A:207:ILE:H	6	0.39
(3,1259)	1:A:168:GLY:HA3	1:B:207:ILE:H	6	0.39
(3,1259)	1:B:168:GLY:HA3	1:A:207:ILE:H	6	0.39
(3,1259)	1:B:168:GLY:HA3	1:B:207:ILE:H	6	0.39
(3,1107)	1:A:173:GLU:HB2	1:A:172:GLN:H	2	0.39
(3,1107)	1:A:173:GLU:HB2	1:B:172:GLN:H	2	0.39
(3,1107)	1:A:182:LYS:HB3	1:A:172:GLN:H	2	0.39
(3,1107)	1:A:182:LYS:HB3	1:B:172:GLN:H	2	0.39
(3,1107)	1:B:173:GLU:HB2	1:A:172:GLN:H	2	0.39
(3,1107)	1:B:173:GLU:HB2	1:B:172:GLN:H	2	0.39
(3,1107)	1:B:182:LYS:HB3	1:A:172:GLN:H	2	0.39
(3,1107)	1:B:182:LYS:HB3	1:B:172:GLN:H	2	0.39
(1,954)	1:A:178:LEU:H	1:A:180:LEU:HB3	3	0.39
(1,954)	1:A:178:LEU:H	1:A:180:LEU:HB3	6	0.39
(1,252)	1:A:152:ASP:H	1:A:154:LEU:HB3	2	0.39
(3,921)	1:A:183:ARG:HD2	1:A:183:ARG:H	7	0.38
(3,921)	1:A:183:ARG:HD2	1:A:188:SER:H	7	0.38
(3,921)	1:A:183:ARG:HD2	1:B:183:ARG:H	7	0.38
(3,921)	1:A:187:TYR:HB2	1:A:183:ARG:H	7	0.38
(3,921)	1:A:187:TYR:HB2	1:A:188:SER:H	7	0.38
(3,921)	1:A:187:TYR:HB2	1:B:183:ARG:H	7	0.38
(3,921)	1:B:183:ARG:HD2	1:A:183:ARG:H	7	0.38
(3,921)	1:B:183:ARG:HD2	1:A:188:SER:H	7	0.38
(3,921)	1:B:183:ARG:HD2	1:B:183:ARG:H	7	0.38
(3,26)	1:A:193:PHE:H	1:A:193:PHE:HB2	5	0.38
(3,1260)	1:A:209:LYS:HA	1:A:214:LEU:H	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1260)	1:A:209:LYS:HA	1:B:214:LEU:H	8	0.38
(3,1260)	1:B:209:LYS:HA	1:A:214:LEU:H	8	0.38
(3,1260)	1:B:209:LYS:HA	1:B:214:LEU:H	8	0.38
(3,1230)	1:A:152:ASP:HB2	1:A:149:LYS:H	1	0.38
(3,1230)	1:A:152:ASP:HB2	1:A:166:GLU:H	1	0.38
(3,1230)	1:A:152:ASP:HB2	1:B:149:LYS:H	1	0.38
(3,1230)	1:A:152:ASP:HB2	1:B:166:GLU:H	1	0.38
(3,1230)	1:A:163:GLN:HG2	1:A:149:LYS:H	1	0.38
(3,1230)	1:A:163:GLN:HG2	1:A:166:GLU:H	1	0.38
(3,1230)	1:A:163:GLN:HG2	1:B:149:LYS:H	1	0.38
(3,1230)	1:A:163:GLN:HG2	1:B:166:GLU:H	1	0.38
(3,1230)	1:A:164:GLU:HG2	1:A:149:LYS:H	1	0.38
(3,1230)	1:A:164:GLU:HG2	1:A:166:GLU:H	1	0.38
(3,1230)	1:A:164:GLU:HG2	1:B:149:LYS:H	1	0.38
(3,1230)	1:A:164:GLU:HG2	1:B:166:GLU:H	1	0.38
(3,1230)	1:B:152:ASP:HB2	1:A:149:LYS:H	1	0.38
(3,1230)	1:B:152:ASP:HB2	1:A:166:GLU:H	1	0.38
(3,1230)	1:B:152:ASP:HB2	1:B:149:LYS:H	1	0.38
(3,1230)	1:B:152:ASP:HB2	1:B:166:GLU:H	1	0.38
(3,1230)	1:B:163:GLN:HG2	1:A:149:LYS:H	1	0.38
(3,1230)	1:B:163:GLN:HG2	1:A:166:GLU:H	1	0.38
(3,1230)	1:B:163:GLN:HG2	1:B:149:LYS:H	1	0.38
(3,1230)	1:B:163:GLN:HG2	1:B:166:GLU:H	1	0.38
(3,1230)	1:B:164:GLU:HG2	1:A:149:LYS:H	1	0.38
(3,1230)	1:B:164:GLU:HG2	1:A:166:GLU:H	1	0.38
(3,1230)	1:B:164:GLU:HG2	1:B:149:LYS:H	1	0.38
(3,1230)	1:B:164:GLU:HG2	1:B:166:GLU:H	1	0.38
(3,1230)	1:A:152:ASP:HB2	1:A:149:LYS:H	7	0.38
(3,1230)	1:A:152:ASP:HB2	1:A:166:GLU:H	7	0.38
(3,1230)	1:A:152:ASP:HB2	1:B:149:LYS:H	7	0.38
(3,1230)	1:A:152:ASP:HB2	1:B:166:GLU:H	7	0.38
(3,1230)	1:A:163:GLN:HG2	1:A:149:LYS:H	7	0.38
(3,1230)	1:A:163:GLN:HG2	1:A:166:GLU:H	7	0.38
(3,1230)	1:A:163:GLN:HG2	1:B:149:LYS:H	7	0.38
(3,1230)	1:A:163:GLN:HG2	1:B:166:GLU:H	7	0.38
(3,1230)	1:A:164:GLU:HG2	1:A:149:LYS:H	7	0.38
(3,1230)	1:A:164:GLU:HG2	1:A:166:GLU:H	7	0.38
(3,1230)	1:A:164:GLU:HG2	1:B:149:LYS:H	7	0.38
(3,1230)	1:A:164:GLU:HG2	1:B:166:GLU:H	7	0.38
(3,1230)	1:B:152:ASP:HB2	1:A:149:LYS:H	7	0.38
(3,1230)	1:B:152:ASP:HB2	1:A:166:GLU:H	7	0.38
(3,1230)	1:B:152:ASP:HB2	1:B:149:LYS:H	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1230)	1:B:152:ASP:HB2	1:B:166:GLU:H	7	0.38
(3,1230)	1:B:163:GLN:HG2	1:A:149:LYS:H	7	0.38
(3,1230)	1:B:163:GLN:HG2	1:A:166:GLU:H	7	0.38
(3,1230)	1:B:163:GLN:HG2	1:B:149:LYS:H	7	0.38
(3,1230)	1:B:163:GLN:HG2	1:B:166:GLU:H	7	0.38
(3,1230)	1:B:164:GLU:HG2	1:A:149:LYS:H	7	0.38
(3,1230)	1:B:164:GLU:HG2	1:A:166:GLU:H	7	0.38
(3,1230)	1:B:164:GLU:HG2	1:B:149:LYS:H	7	0.38
(3,1230)	1:B:164:GLU:HG2	1:B:166:GLU:H	7	0.38
(3,1107)	1:A:173:GLU:HB2	1:A:172:GLN:H	7	0.38
(3,1107)	1:A:173:GLU:HB2	1:B:172:GLN:H	7	0.38
(3,1107)	1:A:182:LYS:HB3	1:A:172:GLN:H	7	0.38
(3,1107)	1:A:182:LYS:HB3	1:B:172:GLN:H	7	0.38
(3,1107)	1:B:173:GLU:HB2	1:A:172:GLN:H	7	0.38
(3,1107)	1:B:173:GLU:HB2	1:B:172:GLN:H	7	0.38
(3,1107)	1:B:182:LYS:HB3	1:A:172:GLN:H	7	0.38
(3,1107)	1:B:182:LYS:HB3	1:B:172:GLN:H	7	0.38
(1,954)	1:A:178:LEU:H	1:A:180:LEU:HB3	9	0.38
(1,954)	1:A:178:LEU:H	1:A:180:LEU:HB3	10	0.38
(1,172)	1:A:177:ALA:H	1:A:173:GLU:HG2	2	0.38
(3,899)	1:A:157:ARG:HB2	1:A:158:GLU:H	6	0.37
(3,899)	1:A:157:ARG:HB2	1:B:158:GLU:H	6	0.37
(3,899)	1:B:158:GLU:HG3	1:A:158:GLU:H	6	0.37
(3,899)	1:B:158:GLU:HG3	1:B:158:GLU:H	6	0.37
(3,669)	1:A:182:LYS:HB3	1:A:182:LYS:HA	5	0.37
(3,438)	1:A:167:LYS:HB2	1:A:168:GLY:H	10	0.37
(3,1465)	1:A:179:HIS:HB2	1:A:179:HIS:HA	3	0.37
(3,1465)	1:A:179:HIS:HB2	1:B:151:GLN:HA	3	0.37
(3,1465)	1:A:179:HIS:HB2	1:B:179:HIS:HA	3	0.37
(3,1465)	1:B:151:GLN:HG2	1:A:179:HIS:HA	3	0.37
(3,1465)	1:B:151:GLN:HG2	1:B:151:GLN:HA	3	0.37
(3,1465)	1:B:151:GLN:HG2	1:B:179:HIS:HA	3	0.37
(3,1465)	1:B:179:HIS:HB2	1:A:179:HIS:HA	3	0.37
(3,1465)	1:B:179:HIS:HB2	1:B:151:GLN:HA	3	0.37
(3,1465)	1:B:179:HIS:HB2	1:B:179:HIS:HA	3	0.37
(3,1399)	1:A:154:LEU:HB3	1:A:159:CYS:HA	5	0.37
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB2	5	0.37
(3,1399)	1:A:154:LEU:HB3	1:A:181:SER:HB3	5	0.37
(3,1399)	1:A:154:LEU:HB3	1:B:159:CYS:HA	5	0.37
(3,1399)	1:A:183:ARG:HB2	1:A:159:CYS:HA	5	0.37
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB2	5	0.37
(3,1399)	1:A:183:ARG:HB2	1:A:181:SER:HB3	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1399)	1:A:183:ARG:HB2	1:B:159:CYS:HA	5	0.37
(3,1399)	1:B:154:LEU:HB3	1:A:159:CYS:HA	5	0.37
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB2	5	0.37
(3,1399)	1:B:154:LEU:HB3	1:A:181:SER:HB3	5	0.37
(3,1399)	1:B:154:LEU:HB3	1:B:159:CYS:HA	5	0.37
(3,1269)	1:A:149:LYS:HE3	1:A:150:GLU:H	9	0.37
(3,1269)	1:A:149:LYS:HE3	1:A:165:VAL:H	9	0.37
(3,1269)	1:A:149:LYS:HE3	1:B:150:GLU:H	9	0.37
(3,1269)	1:A:149:LYS:HE3	1:B:165:VAL:H	9	0.37
(3,1269)	1:A:165:VAL:HB	1:A:150:GLU:H	9	0.37
(3,1269)	1:A:165:VAL:HB	1:A:165:VAL:H	9	0.37
(3,1269)	1:A:165:VAL:HB	1:B:150:GLU:H	9	0.37
(3,1269)	1:A:165:VAL:HB	1:B:165:VAL:H	9	0.37
(3,1269)	1:B:149:LYS:HE3	1:A:150:GLU:H	9	0.37
(3,1269)	1:B:149:LYS:HE3	1:A:165:VAL:H	9	0.37
(3,1269)	1:B:149:LYS:HE3	1:B:150:GLU:H	9	0.37
(3,1269)	1:B:149:LYS:HE3	1:B:165:VAL:H	9	0.37
(3,1269)	1:B:151:GLN:HG2	1:A:150:GLU:H	9	0.37
(3,1269)	1:B:151:GLN:HG2	1:A:165:VAL:H	9	0.37
(3,1269)	1:B:151:GLN:HG2	1:B:150:GLU:H	9	0.37
(3,1269)	1:B:151:GLN:HG2	1:B:165:VAL:H	9	0.37
(3,1269)	1:B:165:VAL:HB	1:A:150:GLU:H	9	0.37
(3,1269)	1:B:165:VAL:HB	1:A:165:VAL:H	9	0.37
(3,1269)	1:B:165:VAL:HB	1:B:150:GLU:H	9	0.37
(3,1269)	1:B:165:VAL:HB	1:B:165:VAL:H	9	0.37
(3,1159)	1:A:164:GLU:HG2	1:A:174:ILE:H	2	0.37
(3,1159)	1:A:164:GLU:HG2	1:B:174:ILE:H	2	0.37
(3,1159)	1:A:169:PHE:HB2	1:A:174:ILE:H	2	0.37
(3,1159)	1:A:169:PHE:HB2	1:B:174:ILE:H	2	0.37
(3,1159)	1:A:176:ASP:HB2	1:A:174:ILE:H	2	0.37
(3,1159)	1:A:176:ASP:HB2	1:B:174:ILE:H	2	0.37
(3,1159)	1:B:169:PHE:HB2	1:A:174:ILE:H	2	0.37
(3,1159)	1:B:169:PHE:HB2	1:B:174:ILE:H	2	0.37
(3,1159)	1:A:164:GLU:HG2	1:A:174:ILE:H	4	0.37
(3,1159)	1:A:164:GLU:HG2	1:B:174:ILE:H	4	0.37
(3,1159)	1:A:169:PHE:HB2	1:A:174:ILE:H	4	0.37
(3,1159)	1:A:169:PHE:HB2	1:B:174:ILE:H	4	0.37
(3,1159)	1:A:176:ASP:HB2	1:A:174:ILE:H	4	0.37
(3,1159)	1:A:176:ASP:HB2	1:B:174:ILE:H	4	0.37
(3,1159)	1:B:169:PHE:HB2	1:A:174:ILE:H	4	0.37
(3,1159)	1:B:169:PHE:HB2	1:B:174:ILE:H	4	0.37
(3,1150)	1:A:157:ARG:HG2	1:A:160:LEU:H	1	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1150)	1:A:157:ARG:HG2	1:B:160:LEU:H	1	0.37
(3,1150)	1:B:157:ARG:HG2	1:A:160:LEU:H	1	0.37
(3,1150)	1:B:157:ARG:HG2	1:B:160:LEU:H	1	0.37
(3,1103)	1:A:195:LYS:HE2	1:A:193:PHE:H	9	0.37
(3,1103)	1:A:195:LYS:HE2	1:B:193:PHE:H	9	0.37
(3,1103)	1:B:195:LYS:HE2	1:A:193:PHE:H	9	0.37
(3,1103)	1:B:195:LYS:HE2	1:B:193:PHE:H	9	0.37
(1,954)	1:A:178:LEU:H	1:A:180:LEU:HB3	4	0.37
(1,252)	1:A:152:ASP:H	1:A:154:LEU:HB3	7	0.37
(1,252)	1:A:152:ASP:H	1:A:154:LEU:HB3	8	0.37
(1,1846)	1:A:161:ILE:HA	1:A:177:ALA:H	2	0.37
(1,1846)	1:A:161:ILE:HA	1:B:177:ALA:H	2	0.37
(1,1846)	1:B:161:ILE:HA	1:A:177:ALA:H	2	0.37
(1,1846)	1:B:161:ILE:HA	1:B:177:ALA:H	2	0.37
(1,1846)	1:B:165:VAL:HA	1:A:177:ALA:H	2	0.37
(1,1846)	1:B:165:VAL:HA	1:B:177:ALA:H	2	0.37
(1,1846)	1:A:161:ILE:HA	1:A:177:ALA:H	6	0.37
(1,1846)	1:A:161:ILE:HA	1:B:177:ALA:H	6	0.37
(1,1846)	1:B:161:ILE:HA	1:A:177:ALA:H	6	0.37
(1,1846)	1:B:161:ILE:HA	1:B:177:ALA:H	6	0.37
(1,1846)	1:B:165:VAL:HA	1:A:177:ALA:H	6	0.37
(1,1846)	1:B:165:VAL:HA	1:B:177:ALA:H	6	0.37
(1,172)	1:A:177:ALA:H	1:A:173:GLU:HG2	8	0.37
(3,921)	1:A:183:ARG:HD2	1:A:183:ARG:H	1	0.36
(3,921)	1:A:183:ARG:HD2	1:A:188:SER:H	1	0.36
(3,921)	1:A:183:ARG:HD2	1:B:183:ARG:H	1	0.36
(3,921)	1:A:187:TYR:HB2	1:A:183:ARG:H	1	0.36
(3,921)	1:A:187:TYR:HB2	1:A:188:SER:H	1	0.36
(3,921)	1:A:187:TYR:HB2	1:B:183:ARG:H	1	0.36
(3,921)	1:B:183:ARG:HD2	1:A:183:ARG:H	1	0.36
(3,921)	1:B:183:ARG:HD2	1:A:188:SER:H	1	0.36
(3,921)	1:B:183:ARG:HD2	1:B:183:ARG:H	1	0.36
(3,883)	1:A:173:GLU:HG3	1:A:169:PHE:H	6	0.36
(3,883)	1:A:173:GLU:HG3	1:B:169:PHE:H	6	0.36
(3,883)	1:A:203:GLU:HG2	1:A:169:PHE:H	6	0.36
(3,883)	1:A:203:GLU:HG2	1:B:169:PHE:H	6	0.36
(3,883)	1:B:203:GLU:HG2	1:A:169:PHE:H	6	0.36
(3,883)	1:B:203:GLU:HG2	1:B:169:PHE:H	6	0.36
(3,78)	1:B:170:THR:H	1:A:202:THR:HG21	6	0.36
(3,78)	1:B:170:THR:H	1:A:202:THR:HG22	6	0.36
(3,78)	1:B:170:THR:H	1:A:202:THR:HG23	6	0.36
(3,513)	1:A:209:LYS:HE2	1:B:209:LYS:HB3	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,513)	1:A:209:LYS:HE3	1:B:209:LYS:HB3	4	0.36
(3,1488)	1:A:189:LEU:HG	1:A:201:ARG:HD2	3	0.36
(3,1488)	1:A:189:LEU:HG	1:B:201:ARG:HD2	3	0.36
(3,1488)	1:A:201:ARG:HB3	1:A:201:ARG:HD2	3	0.36
(3,1488)	1:A:201:ARG:HB3	1:B:201:ARG:HD2	3	0.36
(3,1488)	1:B:201:ARG:HB3	1:A:201:ARG:HD2	3	0.36
(3,1488)	1:B:201:ARG:HB3	1:B:201:ARG:HD2	3	0.36
(3,1191)	1:A:149:LYS:HG2	1:A:150:GLU:H	10	0.36
(3,1191)	1:A:149:LYS:HG2	1:B:150:GLU:H	10	0.36
(3,1191)	1:B:149:LYS:HG2	1:A:150:GLU:H	10	0.36
(3,1191)	1:B:149:LYS:HG2	1:B:150:GLU:H	10	0.36
(1,836)	1:A:171:ASN:H	1:A:172:GLN:HB3	8	0.36
(1,726)	1:A:193:PHE:H	1:A:195:LYS:HB3	3	0.36
(1,252)	1:A:152:ASP:H	1:A:154:LEU:HB3	9	0.36
(1,1846)	1:A:161:ILE:HA	1:A:177:ALA:H	10	0.36
(1,1846)	1:A:161:ILE:HA	1:B:177:ALA:H	10	0.36
(1,1846)	1:B:161:ILE:HA	1:A:177:ALA:H	10	0.36
(1,1846)	1:B:161:ILE:HA	1:B:177:ALA:H	10	0.36
(1,1846)	1:B:165:VAL:HA	1:A:177:ALA:H	10	0.36
(1,1846)	1:B:165:VAL:HA	1:B:177:ALA:H	10	0.36
(1,1437)	1:A:153:VAL:HG11	1:A:195:LYS:HB2	2	0.36
(1,1437)	1:A:153:VAL:HG12	1:A:195:LYS:HB2	2	0.36
(1,1437)	1:A:153:VAL:HG13	1:A:195:LYS:HB2	2	0.36
(3,883)	1:A:173:GLU:HG3	1:A:169:PHE:H	5	0.35
(3,883)	1:A:173:GLU:HG3	1:B:169:PHE:H	5	0.35
(3,883)	1:A:203:GLU:HG2	1:A:169:PHE:H	5	0.35
(3,883)	1:A:203:GLU:HG2	1:B:169:PHE:H	5	0.35
(3,883)	1:B:203:GLU:HG2	1:A:169:PHE:H	5	0.35
(3,883)	1:B:203:GLU:HG2	1:B:169:PHE:H	5	0.35
(3,78)	1:B:170:THR:H	1:A:202:THR:HG21	8	0.35
(3,78)	1:B:170:THR:H	1:A:202:THR:HG22	8	0.35
(3,78)	1:B:170:THR:H	1:A:202:THR:HG23	8	0.35
(3,1513)	1:A:165:VAL:HG11	1:A:171:ASN:HB2	4	0.35
(3,1513)	1:A:165:VAL:HG11	1:B:171:ASN:HB2	4	0.35
(3,1513)	1:A:165:VAL:HG12	1:A:171:ASN:HB2	4	0.35
(3,1513)	1:A:165:VAL:HG12	1:B:171:ASN:HB2	4	0.35
(3,1513)	1:A:165:VAL:HG13	1:A:171:ASN:HB2	4	0.35
(3,1513)	1:A:165:VAL:HG13	1:B:171:ASN:HB2	4	0.35
(3,1513)	1:A:174:ILE:HD11	1:A:171:ASN:HB2	4	0.35
(3,1513)	1:A:174:ILE:HD11	1:B:171:ASN:HB2	4	0.35
(3,1513)	1:A:174:ILE:HD12	1:A:171:ASN:HB2	4	0.35
(3,1513)	1:A:174:ILE:HD12	1:B:171:ASN:HB2	4	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1513)	1:A:174:ILE:HD13	1:A:171:ASN:HB2	4	0.35
(3,1513)	1:A:174:ILE:HD13	1:B:171:ASN:HB2	4	0.35
(3,1513)	1:A:185:ILE:HD11	1:A:171:ASN:HB2	4	0.35
(3,1513)	1:A:185:ILE:HD11	1:B:171:ASN:HB2	4	0.35
(3,1513)	1:A:185:ILE:HD12	1:A:171:ASN:HB2	4	0.35
(3,1513)	1:A:185:ILE:HD12	1:B:171:ASN:HB2	4	0.35
(3,1513)	1:A:185:ILE:HD13	1:A:171:ASN:HB2	4	0.35
(3,1513)	1:A:185:ILE:HD13	1:B:171:ASN:HB2	4	0.35
(3,1513)	1:B:185:ILE:HD11	1:A:171:ASN:HB2	4	0.35
(3,1513)	1:B:185:ILE:HD11	1:B:171:ASN:HB2	4	0.35
(3,1513)	1:A:165:VAL:HG11	1:A:171:ASN:HB2	6	0.35
(3,1513)	1:A:165:VAL:HG11	1:B:171:ASN:HB2	6	0.35
(3,1513)	1:A:165:VAL:HG12	1:A:171:ASN:HB2	6	0.35
(3,1513)	1:A:165:VAL:HG12	1:B:171:ASN:HB2	6	0.35
(3,1513)	1:A:165:VAL:HG13	1:A:171:ASN:HB2	6	0.35
(3,1513)	1:A:165:VAL:HG13	1:B:171:ASN:HB2	6	0.35
(3,1513)	1:A:174:ILE:HD11	1:A:171:ASN:HB2	6	0.35
(3,1513)	1:A:174:ILE:HD11	1:B:171:ASN:HB2	6	0.35
(3,1513)	1:A:174:ILE:HD12	1:A:171:ASN:HB2	6	0.35
(3,1513)	1:A:174:ILE:HD12	1:B:171:ASN:HB2	6	0.35
(3,1513)	1:A:174:ILE:HD13	1:A:171:ASN:HB2	6	0.35
(3,1513)	1:A:174:ILE:HD13	1:B:171:ASN:HB2	6	0.35
(3,1513)	1:A:185:ILE:HD11	1:A:171:ASN:HB2	6	0.35
(3,1513)	1:A:185:ILE:HD11	1:B:171:ASN:HB2	6	0.35
(3,1513)	1:A:185:ILE:HD12	1:A:171:ASN:HB2	6	0.35
(3,1513)	1:A:185:ILE:HD12	1:B:171:ASN:HB2	6	0.35
(3,1513)	1:A:185:ILE:HD13	1:A:171:ASN:HB2	6	0.35
(3,1513)	1:A:185:ILE:HD13	1:B:171:ASN:HB2	6	0.35
(3,1513)	1:B:185:ILE:HD11	1:A:171:ASN:HB2	6	0.35
(3,1513)	1:B:185:ILE:HD11	1:B:171:ASN:HB2	6	0.35
(3,1465)	1:A:179:HIS:HB2	1:A:179:HIS:HA	2	0.35
(3,1465)	1:A:179:HIS:HB2	1:B:151:GLN:HA	2	0.35
(3,1465)	1:A:179:HIS:HB2	1:B:179:HIS:HA	2	0.35
(3,1465)	1:B:151:GLN:HG2	1:A:179:HIS:HA	2	0.35
(3,1465)	1:B:151:GLN:HG2	1:B:151:GLN:HA	2	0.35
(3,1465)	1:B:151:GLN:HG2	1:B:179:HIS:HA	2	0.35
(3,1465)	1:B:179:HIS:HB2	1:A:179:HIS:HA	2	0.35
(3,1465)	1:B:179:HIS:HB2	1:B:151:GLN:HA	2	0.35
(3,1465)	1:B:179:HIS:HB2	1:B:179:HIS:HA	2	0.35
(3,1441)	1:A:172:GLN:HG3	1:A:172:GLN:HA	7	0.35
(3,1441)	1:A:172:GLN:HG3	1:B:172:GLN:HA	7	0.35
(3,1441)	1:B:172:GLN:HG3	1:A:172:GLN:HA	7	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1441)	1:B:172:GLN:HG3	1:B:172:GLN:HA	7	0.35
(3,1259)	1:A:168:GLY:HA3	1:A:207:ILE:H	9	0.35
(3,1259)	1:A:168:GLY:HA3	1:B:207:ILE:H	9	0.35
(3,1259)	1:B:168:GLY:HA3	1:A:207:ILE:H	9	0.35
(3,1259)	1:B:168:GLY:HA3	1:B:207:ILE:H	9	0.35
(1,954)	1:A:178:LEU:H	1:A:180:LEU:HB3	7	0.35
(1,726)	1:A:193:PHE:H	1:A:195:LYS:HB3	2	0.35
(1,1846)	1:A:161:ILE:HA	1:A:177:ALA:H	1	0.35
(1,1846)	1:A:161:ILE:HA	1:B:177:ALA:H	1	0.35
(1,1846)	1:B:161:ILE:HA	1:A:177:ALA:H	1	0.35
(1,1846)	1:B:161:ILE:HA	1:B:177:ALA:H	1	0.35
(1,1846)	1:B:165:VAL:HA	1:A:177:ALA:H	1	0.35
(1,1846)	1:B:165:VAL:HA	1:B:177:ALA:H	1	0.35
(1,1846)	1:A:161:ILE:HA	1:A:177:ALA:H	7	0.35
(1,1846)	1:A:161:ILE:HA	1:B:177:ALA:H	7	0.35
(1,1846)	1:B:161:ILE:HA	1:A:177:ALA:H	7	0.35
(1,1846)	1:B:161:ILE:HA	1:B:177:ALA:H	7	0.35
(1,1846)	1:B:165:VAL:HA	1:A:177:ALA:H	7	0.35
(1,1846)	1:B:165:VAL:HA	1:B:177:ALA:H	7	0.35
(3,793)	1:A:170:THR:H	1:A:170:THR:HG21	8	0.34
(3,793)	1:A:170:THR:H	1:A:170:THR:HG22	8	0.34
(3,793)	1:A:170:THR:H	1:A:170:THR:HG23	8	0.34
(3,793)	1:A:170:THR:H	1:B:202:THR:HG21	8	0.34
(3,793)	1:A:170:THR:H	1:B:202:THR:HG22	8	0.34
(3,793)	1:A:170:THR:H	1:B:202:THR:HG23	8	0.34
(3,78)	1:B:170:THR:H	1:A:202:THR:HG21	2	0.34
(3,78)	1:B:170:THR:H	1:A:202:THR:HG22	2	0.34
(3,78)	1:B:170:THR:H	1:A:202:THR:HG23	2	0.34
(3,78)	1:B:170:THR:H	1:A:202:THR:HG21	5	0.34
(3,78)	1:B:170:THR:H	1:A:202:THR:HG22	5	0.34
(3,78)	1:B:170:THR:H	1:A:202:THR:HG23	5	0.34
(3,513)	1:A:209:LYS:HE2	1:B:209:LYS:HB3	3	0.34
(3,513)	1:A:209:LYS:HE3	1:B:209:LYS:HB3	3	0.34
(3,1513)	1:A:165:VAL:HG11	1:A:171:ASN:HB2	1	0.34
(3,1513)	1:A:165:VAL:HG11	1:B:171:ASN:HB2	1	0.34
(3,1513)	1:A:165:VAL:HG12	1:A:171:ASN:HB2	1	0.34
(3,1513)	1:A:165:VAL:HG12	1:B:171:ASN:HB2	1	0.34
(3,1513)	1:A:165:VAL:HG13	1:A:171:ASN:HB2	1	0.34
(3,1513)	1:A:165:VAL:HG13	1:B:171:ASN:HB2	1	0.34
(3,1513)	1:A:174:ILE:HD11	1:A:171:ASN:HB2	1	0.34
(3,1513)	1:A:174:ILE:HD11	1:B:171:ASN:HB2	1	0.34
(3,1513)	1:A:174:ILE:HD12	1:A:171:ASN:HB2	1	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1513)	1:A:174:ILE:HD12	1:B:171:ASN:HB2	1	0.34
(3,1513)	1:A:174:ILE:HD13	1:A:171:ASN:HB2	1	0.34
(3,1513)	1:A:174:ILE:HD13	1:B:171:ASN:HB2	1	0.34
(3,1513)	1:A:185:ILE:HD11	1:A:171:ASN:HB2	1	0.34
(3,1513)	1:A:185:ILE:HD11	1:B:171:ASN:HB2	1	0.34
(3,1513)	1:A:185:ILE:HD12	1:A:171:ASN:HB2	1	0.34
(3,1513)	1:A:185:ILE:HD12	1:B:171:ASN:HB2	1	0.34
(3,1513)	1:A:185:ILE:HD13	1:A:171:ASN:HB2	1	0.34
(3,1513)	1:A:185:ILE:HD13	1:B:171:ASN:HB2	1	0.34
(3,1513)	1:B:185:ILE:HD11	1:A:171:ASN:HB2	1	0.34
(3,1513)	1:B:185:ILE:HD11	1:B:171:ASN:HB2	1	0.34
(3,1441)	1:A:172:GLN:HG3	1:A:172:GLN:HA	2	0.34
(3,1441)	1:A:172:GLN:HG3	1:B:172:GLN:HA	2	0.34
(3,1441)	1:B:172:GLN:HG3	1:A:172:GLN:HA	2	0.34
(3,1441)	1:B:172:GLN:HG3	1:B:172:GLN:HA	2	0.34
(3,1441)	1:A:172:GLN:HG3	1:A:172:GLN:HA	5	0.34
(3,1441)	1:A:172:GLN:HG3	1:B:172:GLN:HA	5	0.34
(3,1441)	1:B:172:GLN:HG3	1:A:172:GLN:HA	5	0.34
(3,1441)	1:B:172:GLN:HG3	1:B:172:GLN:HA	5	0.34
(3,1259)	1:A:168:GLY:HA3	1:A:207:ILE:H	4	0.34
(3,1259)	1:A:168:GLY:HA3	1:B:207:ILE:H	4	0.34
(3,1259)	1:B:168:GLY:HA3	1:A:207:ILE:H	4	0.34
(3,1259)	1:B:168:GLY:HA3	1:B:207:ILE:H	4	0.34
(1,476)	1:A:176:ASP:H	1:A:173:GLU:HG2	2	0.34
(1,1846)	1:A:161:ILE:HA	1:A:177:ALA:H	3	0.34
(1,1846)	1:A:161:ILE:HA	1:B:177:ALA:H	3	0.34
(1,1846)	1:B:161:ILE:HA	1:A:177:ALA:H	3	0.34
(1,1846)	1:B:161:ILE:HA	1:B:177:ALA:H	3	0.34
(1,1846)	1:B:165:VAL:HA	1:A:177:ALA:H	3	0.34
(1,1846)	1:B:165:VAL:HA	1:B:177:ALA:H	3	0.34
(1,1846)	1:A:161:ILE:HA	1:A:177:ALA:H	5	0.34
(1,1846)	1:A:161:ILE:HA	1:B:177:ALA:H	5	0.34
(1,1846)	1:B:161:ILE:HA	1:A:177:ALA:H	5	0.34
(1,1846)	1:B:161:ILE:HA	1:B:177:ALA:H	5	0.34
(1,1846)	1:B:165:VAL:HA	1:A:177:ALA:H	5	0.34
(1,1846)	1:B:165:VAL:HA	1:B:177:ALA:H	5	0.34
(1,172)	1:A:177:ALA:H	1:A:173:GLU:HG2	7	0.34
(1,1276)	1:B:201:ARG:HD2	1:A:201:ARG:HB2	2	0.34
(1,1276)	1:B:201:ARG:HD3	1:A:201:ARG:HB2	2	0.34
(3,887)	1:A:151:GLN:HG2	1:A:151:GLN:H	10	0.33
(3,887)	1:A:151:GLN:HG2	1:B:151:GLN:H	10	0.33
(3,887)	1:B:151:GLN:HG2	1:A:151:GLN:H	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,887)	1:B:151:GLN:HG2	1:B:151:GLN:H	10	0.33
(3,793)	1:A:170:THR:H	1:A:170:THR:HG21	1	0.33
(3,793)	1:A:170:THR:H	1:A:170:THR:HG22	1	0.33
(3,793)	1:A:170:THR:H	1:A:170:THR:HG23	1	0.33
(3,793)	1:A:170:THR:H	1:B:202:THR:HG21	1	0.33
(3,793)	1:A:170:THR:H	1:B:202:THR:HG22	1	0.33
(3,793)	1:A:170:THR:H	1:B:202:THR:HG23	1	0.33
(3,78)	1:B:170:THR:H	1:A:202:THR:HG21	1	0.33
(3,78)	1:B:170:THR:H	1:A:202:THR:HG22	1	0.33
(3,78)	1:B:170:THR:H	1:A:202:THR:HG23	1	0.33
(3,443)	1:A:194:ASN:HB2	1:A:195:LYS:H	6	0.33
(3,438)	1:A:167:LYS:HB2	1:A:168:GLY:H	9	0.33
(3,1259)	1:A:168:GLY:HA3	1:A:207:ILE:H	10	0.33
(3,1259)	1:A:168:GLY:HA3	1:B:207:ILE:H	10	0.33
(3,1259)	1:B:168:GLY:HA3	1:A:207:ILE:H	10	0.33
(3,1259)	1:B:168:GLY:HA3	1:B:207:ILE:H	10	0.33
(3,1159)	1:A:164:GLU:HG2	1:A:174:ILE:H	5	0.33
(3,1159)	1:A:164:GLU:HG2	1:B:174:ILE:H	5	0.33
(3,1159)	1:A:169:PHE:HB2	1:A:174:ILE:H	5	0.33
(3,1159)	1:A:169:PHE:HB2	1:B:174:ILE:H	5	0.33
(3,1159)	1:A:176:ASP:HB2	1:A:174:ILE:H	5	0.33
(3,1159)	1:A:176:ASP:HB2	1:B:174:ILE:H	5	0.33
(3,1159)	1:B:169:PHE:HB2	1:A:174:ILE:H	5	0.33
(3,1159)	1:B:169:PHE:HB2	1:B:174:ILE:H	5	0.33
(3,1107)	1:A:173:GLU:HB2	1:A:172:GLN:H	8	0.33
(3,1107)	1:A:173:GLU:HB2	1:B:172:GLN:H	8	0.33
(3,1107)	1:A:182:LYS:HB3	1:A:172:GLN:H	8	0.33
(3,1107)	1:A:182:LYS:HB3	1:B:172:GLN:H	8	0.33
(3,1107)	1:B:173:GLU:HB2	1:A:172:GLN:H	8	0.33
(3,1107)	1:B:173:GLU:HB2	1:B:172:GLN:H	8	0.33
(3,1107)	1:B:182:LYS:HB3	1:A:172:GLN:H	8	0.33
(3,1107)	1:B:182:LYS:HB3	1:B:172:GLN:H	8	0.33
(3,1103)	1:A:195:LYS:HE2	1:A:193:PHE:H	2	0.33
(3,1103)	1:A:195:LYS:HE2	1:B:193:PHE:H	2	0.33
(3,1103)	1:B:195:LYS:HE2	1:A:193:PHE:H	2	0.33
(3,1103)	1:B:195:LYS:HE2	1:B:193:PHE:H	2	0.33
(3,1103)	1:A:195:LYS:HE2	1:A:193:PHE:H	4	0.33
(3,1103)	1:A:195:LYS:HE2	1:B:193:PHE:H	4	0.33
(3,1103)	1:B:195:LYS:HE2	1:A:193:PHE:H	4	0.33
(3,1103)	1:B:195:LYS:HE2	1:B:193:PHE:H	4	0.33
(1,954)	1:A:178:LEU:H	1:A:180:LEU:HB3	5	0.33
(1,1846)	1:A:161:ILE:HA	1:A:177:ALA:H	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1846)	1:A:161:ILE:HA	1:B:177:ALA:H	9	0.33
(1,1846)	1:B:161:ILE:HA	1:A:177:ALA:H	9	0.33
(1,1846)	1:B:161:ILE:HA	1:B:177:ALA:H	9	0.33
(1,1846)	1:B:165:VAL:HA	1:A:177:ALA:H	9	0.33
(1,1846)	1:B:165:VAL:HA	1:B:177:ALA:H	9	0.33
(3,888)	1:A:151:GLN:HB2	1:A:151:GLN:H	4	0.32
(3,888)	1:A:151:GLN:HB2	1:A:186:GLU:H	4	0.32
(3,888)	1:A:151:GLN:HB2	1:B:151:GLN:H	4	0.32
(3,888)	1:A:186:GLU:HB2	1:A:151:GLN:H	4	0.32
(3,888)	1:A:186:GLU:HB2	1:A:186:GLU:H	4	0.32
(3,888)	1:A:186:GLU:HB2	1:B:151:GLN:H	4	0.32
(3,888)	1:B:151:GLN:HB2	1:A:151:GLN:H	4	0.32
(3,888)	1:B:151:GLN:HB2	1:A:186:GLU:H	4	0.32
(3,888)	1:B:151:GLN:HB2	1:B:151:GLN:H	4	0.32
(3,883)	1:A:173:GLU:HG3	1:A:169:PHE:H	8	0.32
(3,883)	1:A:173:GLU:HG3	1:B:169:PHE:H	8	0.32
(3,883)	1:A:203:GLU:HG2	1:A:169:PHE:H	8	0.32
(3,883)	1:A:203:GLU:HG2	1:B:169:PHE:H	8	0.32
(3,883)	1:B:203:GLU:HG2	1:A:169:PHE:H	8	0.32
(3,883)	1:B:203:GLU:HG2	1:B:169:PHE:H	8	0.32
(3,865)	1:A:160:LEU:HB3	1:A:160:LEU:H	8	0.32
(3,865)	1:A:160:LEU:HB3	1:B:160:LEU:H	8	0.32
(3,865)	1:B:160:LEU:HB3	1:A:160:LEU:H	8	0.32
(3,865)	1:B:160:LEU:HB3	1:B:160:LEU:H	8	0.32
(3,865)	1:A:160:LEU:HB3	1:A:160:LEU:H	9	0.32
(3,865)	1:A:160:LEU:HB3	1:B:160:LEU:H	9	0.32
(3,865)	1:B:160:LEU:HB3	1:A:160:LEU:H	9	0.32
(3,865)	1:B:160:LEU:HB3	1:B:160:LEU:H	9	0.32
(3,829)	1:A:148:GLN:HB3	1:A:149:LYS:H	8	0.32
(3,829)	1:A:148:GLN:HB3	1:B:166:GLU:H	8	0.32
(3,829)	1:B:166:GLU:HG3	1:A:149:LYS:H	8	0.32
(3,829)	1:B:166:GLU:HG3	1:B:166:GLU:H	8	0.32
(3,829)	1:A:148:GLN:HB3	1:A:149:LYS:H	10	0.32
(3,829)	1:A:148:GLN:HB3	1:B:166:GLU:H	10	0.32
(3,829)	1:B:166:GLU:HG3	1:A:149:LYS:H	10	0.32
(3,829)	1:B:166:GLU:HG3	1:B:166:GLU:H	10	0.32
(3,793)	1:A:170:THR:H	1:A:170:THR:HG21	2	0.32
(3,793)	1:A:170:THR:H	1:A:170:THR:HG22	2	0.32
(3,793)	1:A:170:THR:H	1:A:170:THR:HG23	2	0.32
(3,793)	1:A:170:THR:H	1:B:202:THR:HG21	2	0.32
(3,793)	1:A:170:THR:H	1:B:202:THR:HG22	2	0.32
(3,793)	1:A:170:THR:H	1:B:202:THR:HG23	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,793)	1:A:170:THR:H	1:A:170:THR:HG21	4	0.32
(3,793)	1:A:170:THR:H	1:A:170:THR:HG22	4	0.32
(3,793)	1:A:170:THR:H	1:A:170:THR:HG23	4	0.32
(3,793)	1:A:170:THR:H	1:B:202:THR:HG21	4	0.32
(3,793)	1:A:170:THR:H	1:B:202:THR:HG22	4	0.32
(3,793)	1:A:170:THR:H	1:B:202:THR:HG23	4	0.32
(3,793)	1:A:170:THR:H	1:A:170:THR:HG21	6	0.32
(3,793)	1:A:170:THR:H	1:A:170:THR:HG22	6	0.32
(3,793)	1:A:170:THR:H	1:A:170:THR:HG23	6	0.32
(3,793)	1:A:170:THR:H	1:B:202:THR:HG21	6	0.32
(3,793)	1:A:170:THR:H	1:B:202:THR:HG22	6	0.32
(3,793)	1:A:170:THR:H	1:B:202:THR:HG23	6	0.32
(3,78)	1:B:170:THR:H	1:A:202:THR:HG21	3	0.32
(3,78)	1:B:170:THR:H	1:A:202:THR:HG22	3	0.32
(3,78)	1:B:170:THR:H	1:A:202:THR:HG23	3	0.32
(3,78)	1:B:170:THR:H	1:A:202:THR:HG21	7	0.32
(3,78)	1:B:170:THR:H	1:A:202:THR:HG22	7	0.32
(3,78)	1:B:170:THR:H	1:A:202:THR:HG23	7	0.32
(3,78)	1:B:170:THR:H	1:A:202:THR:HG21	10	0.32
(3,78)	1:B:170:THR:H	1:A:202:THR:HG22	10	0.32
(3,78)	1:B:170:THR:H	1:A:202:THR:HG23	10	0.32
(3,513)	1:A:209:LYS:HE2	1:B:209:LYS:HB3	2	0.32
(3,513)	1:A:209:LYS:HE3	1:B:209:LYS:HB3	2	0.32
(3,1513)	1:A:165:VAL:HG11	1:A:171:ASN:HB2	3	0.32
(3,1513)	1:A:165:VAL:HG11	1:B:171:ASN:HB2	3	0.32
(3,1513)	1:A:165:VAL:HG12	1:A:171:ASN:HB2	3	0.32
(3,1513)	1:A:165:VAL:HG12	1:B:171:ASN:HB2	3	0.32
(3,1513)	1:A:165:VAL:HG13	1:A:171:ASN:HB2	3	0.32
(3,1513)	1:A:165:VAL:HG13	1:B:171:ASN:HB2	3	0.32
(3,1513)	1:A:174:ILE:HD11	1:A:171:ASN:HB2	3	0.32
(3,1513)	1:A:174:ILE:HD11	1:B:171:ASN:HB2	3	0.32
(3,1513)	1:A:174:ILE:HD12	1:A:171:ASN:HB2	3	0.32
(3,1513)	1:A:174:ILE:HD12	1:B:171:ASN:HB2	3	0.32
(3,1513)	1:A:174:ILE:HD13	1:A:171:ASN:HB2	3	0.32
(3,1513)	1:A:174:ILE:HD13	1:B:171:ASN:HB2	3	0.32
(3,1513)	1:A:185:ILE:HD11	1:A:171:ASN:HB2	3	0.32
(3,1513)	1:A:185:ILE:HD11	1:B:171:ASN:HB2	3	0.32
(3,1513)	1:A:185:ILE:HD12	1:A:171:ASN:HB2	3	0.32
(3,1513)	1:A:185:ILE:HD12	1:B:171:ASN:HB2	3	0.32
(3,1513)	1:A:185:ILE:HD13	1:A:171:ASN:HB2	3	0.32
(3,1513)	1:A:185:ILE:HD13	1:B:171:ASN:HB2	3	0.32
(3,1513)	1:B:185:ILE:HD11	1:A:171:ASN:HB2	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1513)	1:B:185:ILE:HD11	1:B:171:ASN:HB2	3	0.32
(3,1301)	1:A:158:GLU:HG2	1:A:158:GLU:H	8	0.32
(3,1301)	1:A:158:GLU:HG2	1:A:173:GLU:H	8	0.32
(3,1301)	1:A:158:GLU:HG2	1:B:173:GLU:H	8	0.32
(3,1301)	1:A:173:GLU:HG2	1:A:158:GLU:H	8	0.32
(3,1301)	1:A:173:GLU:HG2	1:A:173:GLU:H	8	0.32
(3,1301)	1:A:173:GLU:HG2	1:B:173:GLU:H	8	0.32
(3,1301)	1:B:173:GLU:HG2	1:A:158:GLU:H	8	0.32
(3,1301)	1:B:173:GLU:HG2	1:A:173:GLU:H	8	0.32
(3,1301)	1:B:173:GLU:HG2	1:B:173:GLU:H	8	0.32
(3,1159)	1:A:164:GLU:HG2	1:A:174:ILE:H	10	0.32
(3,1159)	1:A:164:GLU:HG2	1:B:174:ILE:H	10	0.32
(3,1159)	1:A:169:PHE:HB2	1:A:174:ILE:H	10	0.32
(3,1159)	1:A:169:PHE:HB2	1:B:174:ILE:H	10	0.32
(3,1159)	1:A:176:ASP:HB2	1:A:174:ILE:H	10	0.32
(3,1159)	1:A:176:ASP:HB2	1:B:174:ILE:H	10	0.32
(3,1159)	1:B:169:PHE:HB2	1:A:174:ILE:H	10	0.32
(3,1159)	1:B:169:PHE:HB2	1:B:174:ILE:H	10	0.32
(1,476)	1:A:176:ASP:H	1:A:173:GLU:HG2	9	0.32
(1,172)	1:A:177:ALA:H	1:A:173:GLU:HG2	5	0.32
(1,172)	1:A:177:ALA:H	1:A:173:GLU:HG2	6	0.32
(3,865)	1:A:160:LEU:HB3	1:A:160:LEU:H	1	0.31
(3,865)	1:A:160:LEU:HB3	1:B:160:LEU:H	1	0.31
(3,865)	1:B:160:LEU:HB3	1:A:160:LEU:H	1	0.31
(3,865)	1:B:160:LEU:HB3	1:B:160:LEU:H	1	0.31
(3,865)	1:A:160:LEU:HB3	1:A:160:LEU:H	2	0.31
(3,865)	1:A:160:LEU:HB3	1:B:160:LEU:H	2	0.31
(3,865)	1:B:160:LEU:HB3	1:A:160:LEU:H	2	0.31
(3,865)	1:B:160:LEU:HB3	1:B:160:LEU:H	2	0.31
(3,865)	1:A:160:LEU:HB3	1:A:160:LEU:H	3	0.31
(3,865)	1:A:160:LEU:HB3	1:B:160:LEU:H	3	0.31
(3,865)	1:B:160:LEU:HB3	1:A:160:LEU:H	3	0.31
(3,865)	1:B:160:LEU:HB3	1:B:160:LEU:H	3	0.31
(3,865)	1:A:160:LEU:HB3	1:A:160:LEU:H	4	0.31
(3,865)	1:A:160:LEU:HB3	1:B:160:LEU:H	4	0.31
(3,865)	1:B:160:LEU:HB3	1:A:160:LEU:H	4	0.31
(3,865)	1:B:160:LEU:HB3	1:B:160:LEU:H	4	0.31
(3,865)	1:A:160:LEU:HB3	1:A:160:LEU:H	5	0.31
(3,865)	1:A:160:LEU:HB3	1:B:160:LEU:H	5	0.31
(3,865)	1:B:160:LEU:HB3	1:A:160:LEU:H	5	0.31
(3,865)	1:B:160:LEU:HB3	1:B:160:LEU:H	5	0.31
(3,865)	1:A:160:LEU:HB3	1:A:160:LEU:H	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,865)	1:A:160:LEU:HB3	1:B:160:LEU:H	6	0.31
(3,865)	1:B:160:LEU:HB3	1:A:160:LEU:H	6	0.31
(3,865)	1:B:160:LEU:HB3	1:B:160:LEU:H	6	0.31
(3,865)	1:A:160:LEU:HB3	1:A:160:LEU:H	7	0.31
(3,865)	1:A:160:LEU:HB3	1:B:160:LEU:H	7	0.31
(3,865)	1:B:160:LEU:HB3	1:A:160:LEU:H	7	0.31
(3,865)	1:B:160:LEU:HB3	1:B:160:LEU:H	7	0.31
(3,865)	1:A:160:LEU:HB3	1:A:160:LEU:H	10	0.31
(3,865)	1:A:160:LEU:HB3	1:B:160:LEU:H	10	0.31
(3,865)	1:B:160:LEU:HB3	1:A:160:LEU:H	10	0.31
(3,865)	1:B:160:LEU:HB3	1:B:160:LEU:H	10	0.31
(3,793)	1:A:170:THR:H	1:A:170:THR:HG21	3	0.31
(3,793)	1:A:170:THR:H	1:A:170:THR:HG22	3	0.31
(3,793)	1:A:170:THR:H	1:A:170:THR:HG23	3	0.31
(3,793)	1:A:170:THR:H	1:B:202:THR:HG21	3	0.31
(3,793)	1:A:170:THR:H	1:B:202:THR:HG22	3	0.31
(3,793)	1:A:170:THR:H	1:B:202:THR:HG23	3	0.31
(3,78)	1:B:170:THR:H	1:A:202:THR:HG21	4	0.31
(3,78)	1:B:170:THR:H	1:A:202:THR:HG22	4	0.31
(3,78)	1:B:170:THR:H	1:A:202:THR:HG23	4	0.31
(3,494)	1:B:149:LYS:HA	1:B:149:LYS:HG2	8	0.31
(3,494)	1:B:149:LYS:HA	1:B:149:LYS:HG3	8	0.31
(3,441)	1:A:203:GLU:HG2	1:A:200:SER:H	3	0.31
(3,1513)	1:A:165:VAL:HG11	1:A:171:ASN:HB2	2	0.31
(3,1513)	1:A:165:VAL:HG11	1:B:171:ASN:HB2	2	0.31
(3,1513)	1:A:165:VAL:HG12	1:A:171:ASN:HB2	2	0.31
(3,1513)	1:A:165:VAL:HG12	1:B:171:ASN:HB2	2	0.31
(3,1513)	1:A:165:VAL:HG13	1:A:171:ASN:HB2	2	0.31
(3,1513)	1:A:165:VAL:HG13	1:B:171:ASN:HB2	2	0.31
(3,1513)	1:A:174:ILE:HD11	1:A:171:ASN:HB2	2	0.31
(3,1513)	1:A:174:ILE:HD11	1:B:171:ASN:HB2	2	0.31
(3,1513)	1:A:174:ILE:HD12	1:A:171:ASN:HB2	2	0.31
(3,1513)	1:A:174:ILE:HD12	1:B:171:ASN:HB2	2	0.31
(3,1513)	1:A:174:ILE:HD13	1:A:171:ASN:HB2	2	0.31
(3,1513)	1:A:174:ILE:HD13	1:B:171:ASN:HB2	2	0.31
(3,1513)	1:A:185:ILE:HD11	1:A:171:ASN:HB2	2	0.31
(3,1513)	1:A:185:ILE:HD11	1:B:171:ASN:HB2	2	0.31
(3,1513)	1:A:185:ILE:HD12	1:A:171:ASN:HB2	2	0.31
(3,1513)	1:A:185:ILE:HD12	1:B:171:ASN:HB2	2	0.31
(3,1513)	1:A:185:ILE:HD13	1:A:171:ASN:HB2	2	0.31
(3,1513)	1:A:185:ILE:HD13	1:B:171:ASN:HB2	2	0.31
(3,1513)	1:B:185:ILE:HD11	1:A:171:ASN:HB2	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1513)	1:B:185:ILE:HD11	1:B:171:ASN:HB2	2	0.31
(3,1448)	1:A:182:LYS:HD2	1:A:172:GLN:HA	5	0.31
(3,1448)	1:A:182:LYS:HD2	1:B:172:GLN:HA	5	0.31
(3,1448)	1:B:182:LYS:HD2	1:A:172:GLN:HA	5	0.31
(3,1448)	1:B:182:LYS:HD2	1:B:172:GLN:HA	5	0.31
(3,1441)	1:A:172:GLN:HG3	1:A:172:GLN:HA	4	0.31
(3,1441)	1:A:172:GLN:HG3	1:B:172:GLN:HA	4	0.31
(3,1441)	1:B:172:GLN:HG3	1:A:172:GLN:HA	4	0.31
(3,1441)	1:B:172:GLN:HG3	1:B:172:GLN:HA	4	0.31
(3,1260)	1:A:209:LYS:HA	1:A:214:LEU:H	10	0.31
(3,1260)	1:A:209:LYS:HA	1:B:214:LEU:H	10	0.31
(3,1260)	1:B:209:LYS:HA	1:A:214:LEU:H	10	0.31
(3,1260)	1:B:209:LYS:HA	1:B:214:LEU:H	10	0.31
(1,954)	1:A:178:LEU:H	1:A:180:LEU:HB3	1	0.31
(1,836)	1:A:171:ASN:H	1:A:172:GLN:HB3	2	0.31
(1,726)	1:A:193:PHE:H	1:A:195:LYS:HB3	1	0.31
(1,716)	1:A:184:SER:H	1:A:186:GLU:HB2	4	0.31
(1,172)	1:A:177:ALA:H	1:A:173:GLU:HG2	1	0.31
(3,888)	1:A:151:GLN:HB2	1:A:151:GLN:H	7	0.3
(3,888)	1:A:151:GLN:HB2	1:A:186:GLU:H	7	0.3
(3,888)	1:A:151:GLN:HB2	1:B:151:GLN:H	7	0.3
(3,888)	1:A:186:GLU:HB2	1:A:151:GLN:H	7	0.3
(3,888)	1:A:186:GLU:HB2	1:A:186:GLU:H	7	0.3
(3,888)	1:A:186:GLU:HB2	1:B:151:GLN:H	7	0.3
(3,888)	1:B:151:GLN:HB2	1:A:151:GLN:H	7	0.3
(3,888)	1:B:151:GLN:HB2	1:A:186:GLU:H	7	0.3
(3,888)	1:B:151:GLN:HB2	1:B:151:GLN:H	7	0.3
(3,883)	1:A:173:GLU:HG3	1:A:169:PHE:H	3	0.3
(3,883)	1:A:173:GLU:HG3	1:B:169:PHE:H	3	0.3
(3,883)	1:A:203:GLU:HG2	1:A:169:PHE:H	3	0.3
(3,883)	1:A:203:GLU:HG2	1:B:169:PHE:H	3	0.3
(3,883)	1:B:203:GLU:HG2	1:A:169:PHE:H	3	0.3
(3,883)	1:B:203:GLU:HG2	1:B:169:PHE:H	3	0.3
(3,78)	1:B:170:THR:H	1:A:202:THR:HG21	9	0.3
(3,78)	1:B:170:THR:H	1:A:202:THR:HG22	9	0.3
(3,78)	1:B:170:THR:H	1:A:202:THR:HG23	9	0.3
(3,1426)	1:A:157:ARG:HD2	1:A:157:ARG:HA	5	0.3
(3,1426)	1:A:157:ARG:HD2	1:A:183:ARG:HA	5	0.3
(3,1426)	1:A:157:ARG:HD2	1:B:157:ARG:HA	5	0.3
(3,1426)	1:A:157:ARG:HD2	1:B:183:ARG:HA	5	0.3
(3,1426)	1:A:159:CYS:HB2	1:A:157:ARG:HA	5	0.3
(3,1426)	1:A:159:CYS:HB2	1:A:183:ARG:HA	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1426)	1:A:159:CYS:HB2	1:B:157:ARG:HA	5	0.3
(3,1426)	1:A:159:CYS:HB2	1:B:183:ARG:HA	5	0.3
(3,1426)	1:A:183:ARG:HD2	1:A:157:ARG:HA	5	0.3
(3,1426)	1:A:183:ARG:HD2	1:A:183:ARG:HA	5	0.3
(3,1426)	1:A:183:ARG:HD2	1:B:157:ARG:HA	5	0.3
(3,1426)	1:A:183:ARG:HD2	1:B:183:ARG:HA	5	0.3
(3,1426)	1:B:156:PRO:HD2	1:A:157:ARG:HA	5	0.3
(3,1426)	1:B:156:PRO:HD2	1:A:183:ARG:HA	5	0.3
(3,1426)	1:B:156:PRO:HD2	1:B:157:ARG:HA	5	0.3
(3,1426)	1:B:156:PRO:HD2	1:B:183:ARG:HA	5	0.3
(3,1426)	1:B:157:ARG:HD2	1:A:157:ARG:HA	5	0.3
(3,1426)	1:B:157:ARG:HD2	1:A:183:ARG:HA	5	0.3
(3,1426)	1:B:157:ARG:HD2	1:B:157:ARG:HA	5	0.3
(3,1426)	1:B:157:ARG:HD2	1:B:183:ARG:HA	5	0.3
(3,1426)	1:B:183:ARG:HD2	1:A:157:ARG:HA	5	0.3
(3,1426)	1:B:183:ARG:HD2	1:A:183:ARG:HA	5	0.3
(3,1426)	1:B:183:ARG:HD2	1:B:157:ARG:HA	5	0.3
(3,1426)	1:B:183:ARG:HD2	1:B:183:ARG:HA	5	0.3
(3,1301)	1:A:158:GLU:HG2	1:A:158:GLU:H	3	0.3
(3,1301)	1:A:158:GLU:HG2	1:A:173:GLU:H	3	0.3
(3,1301)	1:A:158:GLU:HG2	1:B:173:GLU:H	3	0.3
(3,1301)	1:A:173:GLU:HG2	1:A:158:GLU:H	3	0.3
(3,1301)	1:A:173:GLU:HG2	1:A:173:GLU:H	3	0.3
(3,1301)	1:A:173:GLU:HG2	1:B:173:GLU:H	3	0.3
(3,1301)	1:B:173:GLU:HG2	1:A:158:GLU:H	3	0.3
(3,1301)	1:B:173:GLU:HG2	1:A:173:GLU:H	3	0.3
(3,1301)	1:B:173:GLU:HG2	1:B:173:GLU:H	3	0.3
(3,1159)	1:A:164:GLU:HG2	1:A:174:ILE:H	9	0.3
(3,1159)	1:A:164:GLU:HG2	1:B:174:ILE:H	9	0.3
(3,1159)	1:A:169:PHE:HB2	1:A:174:ILE:H	9	0.3
(3,1159)	1:A:169:PHE:HB2	1:B:174:ILE:H	9	0.3
(3,1159)	1:A:176:ASP:HB2	1:A:174:ILE:H	9	0.3
(3,1159)	1:A:176:ASP:HB2	1:B:174:ILE:H	9	0.3
(3,1159)	1:B:169:PHE:HB2	1:A:174:ILE:H	9	0.3
(3,1159)	1:B:169:PHE:HB2	1:B:174:ILE:H	9	0.3
(3,1150)	1:A:157:ARG:HG2	1:A:160:LEU:H	10	0.3
(3,1150)	1:A:157:ARG:HG2	1:B:160:LEU:H	10	0.3
(3,1150)	1:B:157:ARG:HG2	1:A:160:LEU:H	10	0.3
(3,1150)	1:B:157:ARG:HG2	1:B:160:LEU:H	10	0.3
(3,1107)	1:A:173:GLU:HB2	1:A:172:GLN:H	4	0.3
(3,1107)	1:A:173:GLU:HB2	1:B:172:GLN:H	4	0.3
(3,1107)	1:A:182:LYS:HB3	1:A:172:GLN:H	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1107)	1:A:182:LYS:HB3	1:B:172:GLN:H	4	0.3
(3,1107)	1:B:173:GLU:HB2	1:A:172:GLN:H	4	0.3
(3,1107)	1:B:173:GLU:HB2	1:B:172:GLN:H	4	0.3
(3,1107)	1:B:182:LYS:HB3	1:A:172:GLN:H	4	0.3
(3,1107)	1:B:182:LYS:HB3	1:B:172:GLN:H	4	0.3
(3,1103)	1:A:195:LYS:HE2	1:A:193:PHE:H	8	0.3
(3,1103)	1:A:195:LYS:HE2	1:B:193:PHE:H	8	0.3
(3,1103)	1:B:195:LYS:HE2	1:A:193:PHE:H	8	0.3
(3,1103)	1:B:195:LYS:HE2	1:B:193:PHE:H	8	0.3
(1,836)	1:A:171:ASN:H	1:A:172:GLN:HB3	1	0.3
(1,836)	1:A:171:ASN:H	1:A:172:GLN:HB3	7	0.3
(1,726)	1:A:193:PHE:H	1:A:195:LYS:HB3	5	0.3
(1,1846)	1:A:161:ILE:HA	1:A:177:ALA:H	4	0.3
(1,1846)	1:A:161:ILE:HA	1:B:177:ALA:H	4	0.3
(1,1846)	1:B:161:ILE:HA	1:A:177:ALA:H	4	0.3
(1,1846)	1:B:161:ILE:HA	1:B:177:ALA:H	4	0.3
(1,1846)	1:B:165:VAL:HA	1:A:177:ALA:H	4	0.3
(1,1846)	1:B:165:VAL:HA	1:B:177:ALA:H	4	0.3
(1,1846)	1:A:161:ILE:HA	1:A:177:ALA:H	8	0.3
(1,1846)	1:A:161:ILE:HA	1:B:177:ALA:H	8	0.3
(1,1846)	1:B:161:ILE:HA	1:A:177:ALA:H	8	0.3
(1,1846)	1:B:161:ILE:HA	1:B:177:ALA:H	8	0.3
(1,1846)	1:B:165:VAL:HA	1:A:177:ALA:H	8	0.3
(1,1846)	1:B:165:VAL:HA	1:B:177:ALA:H	8	0.3
(3,892)	1:A:186:GLU:HB2	1:A:186:GLU:H	6	0.29
(3,892)	1:A:186:GLU:HB2	1:B:151:GLN:H	6	0.29
(3,892)	1:B:150:GLU:HB2	1:A:186:GLU:H	6	0.29
(3,892)	1:B:150:GLU:HB2	1:B:151:GLN:H	6	0.29
(3,793)	1:A:170:THR:H	1:A:170:THR:HG21	5	0.29
(3,793)	1:A:170:THR:H	1:A:170:THR:HG22	5	0.29
(3,793)	1:A:170:THR:H	1:A:170:THR:HG23	5	0.29
(3,793)	1:A:170:THR:H	1:B:202:THR:HG21	5	0.29
(3,793)	1:A:170:THR:H	1:B:202:THR:HG22	5	0.29
(3,793)	1:A:170:THR:H	1:B:202:THR:HG23	5	0.29
(3,793)	1:A:170:THR:H	1:A:170:THR:HG21	7	0.29
(3,793)	1:A:170:THR:H	1:A:170:THR:HG22	7	0.29
(3,793)	1:A:170:THR:H	1:A:170:THR:HG23	7	0.29
(3,793)	1:A:170:THR:H	1:B:202:THR:HG21	7	0.29
(3,793)	1:A:170:THR:H	1:B:202:THR:HG22	7	0.29
(3,793)	1:A:170:THR:H	1:B:202:THR:HG23	7	0.29
(3,441)	1:A:203:GLU:HG2	1:A:200:SER:H	2	0.29
(3,438)	1:A:167:LYS:HB2	1:A:168:GLY:H	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD11	1	0.29
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD12	1	0.29
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD13	1	0.29
(3,1585)	1:A:209:LYS:HA	1:A:209:LYS:HG2	1	0.29
(3,1585)	1:A:209:LYS:HA	1:B:209:LYS:HG2	1	0.29
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD11	1	0.29
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD12	1	0.29
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD13	1	0.29
(3,1585)	1:B:205:VAL:HA	1:A:209:LYS:HG2	1	0.29
(3,1585)	1:B:205:VAL:HA	1:B:209:LYS:HG2	1	0.29
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD11	1	0.29
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD12	1	0.29
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD13	1	0.29
(3,1585)	1:B:209:LYS:HA	1:A:209:LYS:HG2	1	0.29
(3,1585)	1:B:209:LYS:HA	1:B:209:LYS:HG2	1	0.29
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD11	2	0.29
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD12	2	0.29
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD13	2	0.29
(3,1585)	1:A:209:LYS:HA	1:A:209:LYS:HG2	2	0.29
(3,1585)	1:A:209:LYS:HA	1:B:209:LYS:HG2	2	0.29
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD11	2	0.29
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD12	2	0.29
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD13	2	0.29
(3,1585)	1:B:205:VAL:HA	1:A:209:LYS:HG2	2	0.29
(3,1585)	1:B:205:VAL:HA	1:B:209:LYS:HG2	2	0.29
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD11	2	0.29
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD12	2	0.29
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD13	2	0.29
(3,1585)	1:B:209:LYS:HA	1:A:209:LYS:HG2	2	0.29
(3,1585)	1:B:209:LYS:HA	1:B:209:LYS:HG2	2	0.29
(3,1426)	1:A:157:ARG:HD2	1:A:157:ARG:HA	10	0.29
(3,1426)	1:A:157:ARG:HD2	1:A:183:ARG:HA	10	0.29
(3,1426)	1:A:157:ARG:HD2	1:B:157:ARG:HA	10	0.29
(3,1426)	1:A:157:ARG:HD2	1:B:183:ARG:HA	10	0.29
(3,1426)	1:A:159:CYS:HB2	1:A:157:ARG:HA	10	0.29
(3,1426)	1:A:159:CYS:HB2	1:A:183:ARG:HA	10	0.29
(3,1426)	1:A:159:CYS:HB2	1:B:157:ARG:HA	10	0.29
(3,1426)	1:A:159:CYS:HB2	1:B:183:ARG:HA	10	0.29
(3,1426)	1:A:183:ARG:HD2	1:A:157:ARG:HA	10	0.29
(3,1426)	1:A:183:ARG:HD2	1:A:183:ARG:HA	10	0.29
(3,1426)	1:A:183:ARG:HD2	1:B:157:ARG:HA	10	0.29
(3,1426)	1:A:183:ARG:HD2	1:B:183:ARG:HA	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1426)	1:B:156:PRO:HD2	1:A:157:ARG:HA	10	0.29
(3,1426)	1:B:156:PRO:HD2	1:A:183:ARG:HA	10	0.29
(3,1426)	1:B:156:PRO:HD2	1:B:157:ARG:HA	10	0.29
(3,1426)	1:B:156:PRO:HD2	1:B:183:ARG:HA	10	0.29
(3,1426)	1:B:157:ARG:HD2	1:A:157:ARG:HA	10	0.29
(3,1426)	1:B:157:ARG:HD2	1:A:183:ARG:HA	10	0.29
(3,1426)	1:B:157:ARG:HD2	1:B:157:ARG:HA	10	0.29
(3,1426)	1:B:157:ARG:HD2	1:B:183:ARG:HA	10	0.29
(3,1426)	1:B:183:ARG:HD2	1:A:157:ARG:HA	10	0.29
(3,1426)	1:B:183:ARG:HD2	1:A:183:ARG:HA	10	0.29
(3,1426)	1:B:183:ARG:HD2	1:B:157:ARG:HA	10	0.29
(3,1426)	1:B:183:ARG:HD2	1:B:183:ARG:HA	10	0.29
(3,1301)	1:A:158:GLU:HG2	1:A:158:GLU:H	9	0.29
(3,1301)	1:A:158:GLU:HG2	1:A:173:GLU:H	9	0.29
(3,1301)	1:A:158:GLU:HG2	1:B:173:GLU:H	9	0.29
(3,1301)	1:A:173:GLU:HG2	1:A:158:GLU:H	9	0.29
(3,1301)	1:A:173:GLU:HG2	1:A:173:GLU:H	9	0.29
(3,1301)	1:A:173:GLU:HG2	1:B:173:GLU:H	9	0.29
(3,1301)	1:B:173:GLU:HG2	1:A:158:GLU:H	9	0.29
(3,1301)	1:B:173:GLU:HG2	1:A:173:GLU:H	9	0.29
(3,1301)	1:B:173:GLU:HG2	1:B:173:GLU:H	9	0.29
(3,1159)	1:A:164:GLU:HG2	1:A:174:ILE:H	6	0.29
(3,1159)	1:A:164:GLU:HG2	1:B:174:ILE:H	6	0.29
(3,1159)	1:A:169:PHE:HB2	1:A:174:ILE:H	6	0.29
(3,1159)	1:A:169:PHE:HB2	1:B:174:ILE:H	6	0.29
(3,1159)	1:A:176:ASP:HB2	1:A:174:ILE:H	6	0.29
(3,1159)	1:A:176:ASP:HB2	1:B:174:ILE:H	6	0.29
(3,1159)	1:B:169:PHE:HB2	1:A:174:ILE:H	6	0.29
(3,1159)	1:B:169:PHE:HB2	1:B:174:ILE:H	6	0.29
(3,892)	1:A:186:GLU:HB2	1:A:186:GLU:H	2	0.28
(3,892)	1:A:186:GLU:HB2	1:B:151:GLN:H	2	0.28
(3,892)	1:B:150:GLU:HB2	1:A:186:GLU:H	2	0.28
(3,892)	1:B:150:GLU:HB2	1:B:151:GLN:H	2	0.28
(3,888)	1:A:151:GLN:HB2	1:A:151:GLN:H	5	0.28
(3,888)	1:A:151:GLN:HB2	1:A:186:GLU:H	5	0.28
(3,888)	1:A:151:GLN:HB2	1:B:151:GLN:H	5	0.28
(3,888)	1:A:186:GLU:HB2	1:A:151:GLN:H	5	0.28
(3,888)	1:A:186:GLU:HB2	1:A:186:GLU:H	5	0.28
(3,888)	1:A:186:GLU:HB2	1:B:151:GLN:H	5	0.28
(3,888)	1:B:151:GLN:HB2	1:A:151:GLN:H	5	0.28
(3,888)	1:B:151:GLN:HB2	1:A:186:GLU:H	5	0.28
(3,888)	1:B:151:GLN:HB2	1:B:151:GLN:H	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,888)	1:A:151:GLN:HB2	1:A:151:GLN:H	6	0.28
(3,888)	1:A:151:GLN:HB2	1:A:186:GLU:H	6	0.28
(3,888)	1:A:151:GLN:HB2	1:B:151:GLN:H	6	0.28
(3,888)	1:A:186:GLU:HB2	1:A:151:GLN:H	6	0.28
(3,888)	1:A:186:GLU:HB2	1:A:186:GLU:H	6	0.28
(3,888)	1:A:186:GLU:HB2	1:B:151:GLN:H	6	0.28
(3,888)	1:B:151:GLN:HB2	1:A:151:GLN:H	6	0.28
(3,888)	1:B:151:GLN:HB2	1:A:186:GLU:H	6	0.28
(3,888)	1:B:151:GLN:HB2	1:B:151:GLN:H	6	0.28
(3,419)	1:A:171:ASN:H	1:A:201:ARG:HD2	9	0.28
(3,419)	1:A:171:ASN:H	1:A:201:ARG:HD3	9	0.28
(3,368)	1:B:195:LYS:H	1:B:195:LYS:HE2	8	0.28
(3,367)	1:A:195:LYS:H	1:A:195:LYS:HE2	6	0.28
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD11	4	0.28
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD12	4	0.28
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD13	4	0.28
(3,1585)	1:A:209:LYS:HA	1:A:209:LYS:HG2	4	0.28
(3,1585)	1:A:209:LYS:HA	1:B:209:LYS:HG2	4	0.28
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD11	4	0.28
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD12	4	0.28
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD13	4	0.28
(3,1585)	1:B:205:VAL:HA	1:A:209:LYS:HG2	4	0.28
(3,1585)	1:B:205:VAL:HA	1:B:209:LYS:HG2	4	0.28
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD11	4	0.28
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD12	4	0.28
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD13	4	0.28
(3,1585)	1:B:209:LYS:HA	1:A:209:LYS:HG2	4	0.28
(3,1585)	1:B:209:LYS:HA	1:B:209:LYS:HG2	4	0.28
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD11	5	0.28
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD12	5	0.28
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD13	5	0.28
(3,1585)	1:A:209:LYS:HA	1:A:209:LYS:HG2	5	0.28
(3,1585)	1:A:209:LYS:HA	1:B:209:LYS:HG2	5	0.28
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD11	5	0.28
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD12	5	0.28
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD13	5	0.28
(3,1585)	1:B:205:VAL:HA	1:A:209:LYS:HG2	5	0.28
(3,1585)	1:B:205:VAL:HA	1:B:209:LYS:HG2	5	0.28
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD11	5	0.28
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD12	5	0.28
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD13	5	0.28
(3,1585)	1:B:209:LYS:HA	1:A:209:LYS:HG2	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1585)	1:B:209:LYS:HA	1:B:209:LYS:HG2	5	0.28
(3,1301)	1:A:158:GLU:HG2	1:A:158:GLU:H	5	0.28
(3,1301)	1:A:158:GLU:HG2	1:A:173:GLU:H	5	0.28
(3,1301)	1:A:158:GLU:HG2	1:B:173:GLU:H	5	0.28
(3,1301)	1:A:173:GLU:HG2	1:A:158:GLU:H	5	0.28
(3,1301)	1:A:173:GLU:HG2	1:A:173:GLU:H	5	0.28
(3,1301)	1:A:173:GLU:HG2	1:B:173:GLU:H	5	0.28
(3,1301)	1:B:173:GLU:HG2	1:A:158:GLU:H	5	0.28
(3,1301)	1:B:173:GLU:HG2	1:A:173:GLU:H	5	0.28
(3,1301)	1:B:173:GLU:HG2	1:B:173:GLU:H	5	0.28
(3,1269)	1:A:149:LYS:HE3	1:A:150:GLU:H	10	0.28
(3,1269)	1:A:149:LYS:HE3	1:A:165:VAL:H	10	0.28
(3,1269)	1:A:149:LYS:HE3	1:B:150:GLU:H	10	0.28
(3,1269)	1:A:149:LYS:HE3	1:B:165:VAL:H	10	0.28
(3,1269)	1:A:165:VAL:HB	1:A:150:GLU:H	10	0.28
(3,1269)	1:A:165:VAL:HB	1:A:165:VAL:H	10	0.28
(3,1269)	1:A:165:VAL:HB	1:B:150:GLU:H	10	0.28
(3,1269)	1:A:165:VAL:HB	1:B:165:VAL:H	10	0.28
(3,1269)	1:B:149:LYS:HE3	1:A:150:GLU:H	10	0.28
(3,1269)	1:B:149:LYS:HE3	1:A:165:VAL:H	10	0.28
(3,1269)	1:B:149:LYS:HE3	1:B:150:GLU:H	10	0.28
(3,1269)	1:B:149:LYS:HE3	1:B:165:VAL:H	10	0.28
(3,1269)	1:B:151:GLN:HG2	1:A:150:GLU:H	10	0.28
(3,1269)	1:B:151:GLN:HG2	1:A:165:VAL:H	10	0.28
(3,1269)	1:B:151:GLN:HG2	1:B:150:GLU:H	10	0.28
(3,1269)	1:B:151:GLN:HG2	1:B:165:VAL:H	10	0.28
(3,1269)	1:B:165:VAL:HB	1:A:150:GLU:H	10	0.28
(3,1269)	1:B:165:VAL:HB	1:A:165:VAL:H	10	0.28
(3,1269)	1:B:165:VAL:HB	1:B:150:GLU:H	10	0.28
(3,1269)	1:B:165:VAL:HB	1:B:165:VAL:H	10	0.28
(3,1159)	1:A:164:GLU:HG2	1:A:174:ILE:H	7	0.28
(3,1159)	1:A:164:GLU:HG2	1:B:174:ILE:H	7	0.28
(3,1159)	1:A:169:PHE:HB2	1:A:174:ILE:H	7	0.28
(3,1159)	1:A:169:PHE:HB2	1:B:174:ILE:H	7	0.28
(3,1159)	1:A:176:ASP:HB2	1:A:174:ILE:H	7	0.28
(3,1159)	1:A:176:ASP:HB2	1:B:174:ILE:H	7	0.28
(3,1159)	1:B:169:PHE:HB2	1:A:174:ILE:H	7	0.28
(3,1159)	1:B:169:PHE:HB2	1:B:174:ILE:H	7	0.28
(1,1855)	1:A:168:GLY:HA3	1:A:205:VAL:H	4	0.28
(1,1855)	1:A:168:GLY:HA3	1:B:205:VAL:H	4	0.28
(1,1855)	1:A:189:LEU:HA	1:A:205:VAL:H	4	0.28
(1,1855)	1:A:189:LEU:HA	1:B:205:VAL:H	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1855)	1:B:168:GLY:HA3	1:A:205:VAL:H	4	0.28
(1,1855)	1:B:168:GLY:HA3	1:B:205:VAL:H	4	0.28
(1,1855)	1:B:189:LEU:HA	1:A:205:VAL:H	4	0.28
(1,1855)	1:B:189:LEU:HA	1:B:205:VAL:H	4	0.28
(1,1855)	1:B:193:PHE:HB2	1:A:205:VAL:H	4	0.28
(1,1855)	1:B:193:PHE:HB2	1:B:205:VAL:H	4	0.28
(1,1832)	1:A:151:GLN:HA	1:A:160:LEU:H	2	0.28
(1,1832)	1:A:151:GLN:HA	1:B:160:LEU:H	2	0.28
(1,1832)	1:A:164:GLU:HA	1:A:160:LEU:H	2	0.28
(1,1832)	1:A:164:GLU:HA	1:B:160:LEU:H	2	0.28
(1,1832)	1:A:171:ASN:HA	1:A:160:LEU:H	2	0.28
(1,1832)	1:A:171:ASN:HA	1:B:160:LEU:H	2	0.28
(1,1832)	1:A:178:LEU:HA	1:A:160:LEU:H	2	0.28
(1,1832)	1:A:178:LEU:HA	1:B:160:LEU:H	2	0.28
(1,1832)	1:A:188:SER:HA	1:A:160:LEU:H	2	0.28
(1,1832)	1:A:188:SER:HA	1:B:160:LEU:H	2	0.28
(1,1832)	1:A:205:VAL:HA	1:A:160:LEU:H	2	0.28
(1,1832)	1:A:205:VAL:HA	1:B:160:LEU:H	2	0.28
(1,1832)	1:B:151:GLN:HA	1:A:160:LEU:H	2	0.28
(1,1832)	1:B:151:GLN:HA	1:B:160:LEU:H	2	0.28
(1,1832)	1:B:164:GLU:HA	1:A:160:LEU:H	2	0.28
(1,1832)	1:B:164:GLU:HA	1:B:160:LEU:H	2	0.28
(1,1832)	1:B:171:ASN:HA	1:A:160:LEU:H	2	0.28
(1,1832)	1:B:171:ASN:HA	1:B:160:LEU:H	2	0.28
(1,1832)	1:B:178:LEU:HA	1:A:160:LEU:H	2	0.28
(1,1832)	1:B:178:LEU:HA	1:B:160:LEU:H	2	0.28
(1,1832)	1:B:188:SER:HA	1:A:160:LEU:H	2	0.28
(1,1832)	1:B:188:SER:HA	1:B:160:LEU:H	2	0.28
(3,994)	1:A:198:VAL:HG11	1:A:200:SER:H	3	0.27
(3,994)	1:A:198:VAL:HG11	1:B:200:SER:H	3	0.27
(3,994)	1:A:198:VAL:HG12	1:A:200:SER:H	3	0.27
(3,994)	1:A:198:VAL:HG12	1:B:200:SER:H	3	0.27
(3,994)	1:A:198:VAL:HG13	1:A:200:SER:H	3	0.27
(3,994)	1:A:198:VAL:HG13	1:B:200:SER:H	3	0.27
(3,994)	1:B:198:VAL:HG11	1:A:200:SER:H	3	0.27
(3,994)	1:B:198:VAL:HG11	1:B:200:SER:H	3	0.27
(3,921)	1:A:183:ARG:HD2	1:A:183:ARG:H	4	0.27
(3,921)	1:A:183:ARG:HD2	1:A:188:SER:H	4	0.27
(3,921)	1:A:183:ARG:HD2	1:B:183:ARG:H	4	0.27
(3,921)	1:A:187:TYR:HB2	1:A:183:ARG:H	4	0.27
(3,921)	1:A:187:TYR:HB2	1:A:188:SER:H	4	0.27
(3,921)	1:A:187:TYR:HB2	1:B:183:ARG:H	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,921)	1:B:183:ARG:HD2	1:A:183:ARG:H	4	0.27
(3,921)	1:B:183:ARG:HD2	1:A:188:SER:H	4	0.27
(3,921)	1:B:183:ARG:HD2	1:B:183:ARG:H	4	0.27
(3,829)	1:A:148:GLN:HB3	1:A:149:LYS:H	2	0.27
(3,829)	1:A:148:GLN:HB3	1:B:166:GLU:H	2	0.27
(3,829)	1:B:166:GLU:HG3	1:A:149:LYS:H	2	0.27
(3,829)	1:B:166:GLU:HG3	1:B:166:GLU:H	2	0.27
(3,793)	1:A:170:THR:H	1:A:170:THR:HG21	9	0.27
(3,793)	1:A:170:THR:H	1:A:170:THR:HG22	9	0.27
(3,793)	1:A:170:THR:H	1:A:170:THR:HG23	9	0.27
(3,793)	1:A:170:THR:H	1:B:202:THR:HG21	9	0.27
(3,793)	1:A:170:THR:H	1:B:202:THR:HG22	9	0.27
(3,793)	1:A:170:THR:H	1:B:202:THR:HG23	9	0.27
(3,494)	1:B:149:LYS:HA	1:B:149:LYS:HG2	7	0.27
(3,494)	1:B:149:LYS:HA	1:B:149:LYS:HG3	7	0.27
(3,465)	1:A:210:SER:HA	1:B:209:LYS:HD3	10	0.27
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD11	3	0.27
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD12	3	0.27
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD13	3	0.27
(3,1585)	1:A:209:LYS:HA	1:A:209:LYS:HG2	3	0.27
(3,1585)	1:A:209:LYS:HA	1:B:209:LYS:HG2	3	0.27
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD11	3	0.27
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD12	3	0.27
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD13	3	0.27
(3,1585)	1:B:205:VAL:HA	1:A:209:LYS:HG2	3	0.27
(3,1585)	1:B:205:VAL:HA	1:B:209:LYS:HG2	3	0.27
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD11	3	0.27
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD12	3	0.27
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD13	3	0.27
(3,1585)	1:B:209:LYS:HA	1:A:209:LYS:HG2	3	0.27
(3,1585)	1:B:209:LYS:HA	1:B:209:LYS:HG2	3	0.27
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD11	10	0.27
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD12	10	0.27
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD13	10	0.27
(3,1585)	1:A:209:LYS:HA	1:A:209:LYS:HG2	10	0.27
(3,1585)	1:A:209:LYS:HA	1:B:209:LYS:HG2	10	0.27
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD11	10	0.27
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD12	10	0.27
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD13	10	0.27
(3,1585)	1:B:205:VAL:HA	1:A:209:LYS:HG2	10	0.27
(3,1585)	1:B:205:VAL:HA	1:B:209:LYS:HG2	10	0.27
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD11	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD12	10	0.27
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD13	10	0.27
(3,1585)	1:B:209:LYS:HA	1:A:209:LYS:HG2	10	0.27
(3,1585)	1:B:209:LYS:HA	1:B:209:LYS:HG2	10	0.27
(3,1513)	1:A:165:VAL:HG11	1:A:171:ASN:HB2	5	0.27
(3,1513)	1:A:165:VAL:HG11	1:B:171:ASN:HB2	5	0.27
(3,1513)	1:A:165:VAL:HG12	1:A:171:ASN:HB2	5	0.27
(3,1513)	1:A:165:VAL:HG12	1:B:171:ASN:HB2	5	0.27
(3,1513)	1:A:165:VAL:HG13	1:A:171:ASN:HB2	5	0.27
(3,1513)	1:A:165:VAL:HG13	1:B:171:ASN:HB2	5	0.27
(3,1513)	1:A:174:ILE:HD11	1:A:171:ASN:HB2	5	0.27
(3,1513)	1:A:174:ILE:HD11	1:B:171:ASN:HB2	5	0.27
(3,1513)	1:A:174:ILE:HD12	1:A:171:ASN:HB2	5	0.27
(3,1513)	1:A:174:ILE:HD12	1:B:171:ASN:HB2	5	0.27
(3,1513)	1:A:174:ILE:HD13	1:A:171:ASN:HB2	5	0.27
(3,1513)	1:A:174:ILE:HD13	1:B:171:ASN:HB2	5	0.27
(3,1513)	1:A:185:ILE:HD11	1:A:171:ASN:HB2	5	0.27
(3,1513)	1:A:185:ILE:HD11	1:B:171:ASN:HB2	5	0.27
(3,1513)	1:A:185:ILE:HD12	1:A:171:ASN:HB2	5	0.27
(3,1513)	1:A:185:ILE:HD12	1:B:171:ASN:HB2	5	0.27
(3,1513)	1:A:185:ILE:HD13	1:A:171:ASN:HB2	5	0.27
(3,1513)	1:A:185:ILE:HD13	1:B:171:ASN:HB2	5	0.27
(3,1513)	1:B:185:ILE:HD11	1:A:171:ASN:HB2	5	0.27
(3,1513)	1:B:185:ILE:HD11	1:B:171:ASN:HB2	5	0.27
(3,1513)	1:A:165:VAL:HG11	1:A:171:ASN:HB2	7	0.27
(3,1513)	1:A:165:VAL:HG11	1:B:171:ASN:HB2	7	0.27
(3,1513)	1:A:165:VAL:HG12	1:A:171:ASN:HB2	7	0.27
(3,1513)	1:A:165:VAL:HG12	1:B:171:ASN:HB2	7	0.27
(3,1513)	1:A:165:VAL:HG13	1:A:171:ASN:HB2	7	0.27
(3,1513)	1:A:165:VAL:HG13	1:B:171:ASN:HB2	7	0.27
(3,1513)	1:A:174:ILE:HD11	1:A:171:ASN:HB2	7	0.27
(3,1513)	1:A:174:ILE:HD11	1:B:171:ASN:HB2	7	0.27
(3,1513)	1:A:174:ILE:HD12	1:A:171:ASN:HB2	7	0.27
(3,1513)	1:A:174:ILE:HD12	1:B:171:ASN:HB2	7	0.27
(3,1513)	1:A:174:ILE:HD13	1:A:171:ASN:HB2	7	0.27
(3,1513)	1:A:174:ILE:HD13	1:B:171:ASN:HB2	7	0.27
(3,1513)	1:A:185:ILE:HD11	1:A:171:ASN:HB2	7	0.27
(3,1513)	1:A:185:ILE:HD11	1:B:171:ASN:HB2	7	0.27
(3,1513)	1:A:185:ILE:HD12	1:A:171:ASN:HB2	7	0.27
(3,1513)	1:A:185:ILE:HD12	1:B:171:ASN:HB2	7	0.27
(3,1513)	1:A:185:ILE:HD13	1:A:171:ASN:HB2	7	0.27
(3,1513)	1:A:185:ILE:HD13	1:B:171:ASN:HB2	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1513)	1:B:185:ILE:HD11	1:A:171:ASN:HB2	7	0.27
(3,1513)	1:B:185:ILE:HD11	1:B:171:ASN:HB2	7	0.27
(3,1401)	1:A:154:LEU:HG	1:A:159:CYS:HA	5	0.27
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB2	5	0.27
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB3	5	0.27
(3,1401)	1:A:154:LEU:HG	1:B:159:CYS:HA	5	0.27
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB2	5	0.27
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB3	5	0.27
(3,1401)	1:A:162:LEU:HB2	1:A:159:CYS:HA	5	0.27
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB2	5	0.27
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB3	5	0.27
(3,1401)	1:A:162:LEU:HB2	1:B:159:CYS:HA	5	0.27
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB2	5	0.27
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB3	5	0.27
(3,1401)	1:A:162:LEU:HD11	1:A:159:CYS:HA	5	0.27
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB2	5	0.27
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB3	5	0.27
(3,1401)	1:A:162:LEU:HD11	1:B:159:CYS:HA	5	0.27
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB2	5	0.27
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB3	5	0.27
(3,1401)	1:A:162:LEU:HD12	1:A:159:CYS:HA	5	0.27
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB2	5	0.27
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB3	5	0.27
(3,1401)	1:A:162:LEU:HD12	1:B:159:CYS:HA	5	0.27
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB2	5	0.27
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB3	5	0.27
(3,1401)	1:A:162:LEU:HD13	1:A:159:CYS:HA	5	0.27
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB2	5	0.27
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB3	5	0.27
(3,1401)	1:A:162:LEU:HD13	1:B:159:CYS:HA	5	0.27
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB2	5	0.27
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB3	5	0.27
(3,1401)	1:A:162:LEU:HD21	1:A:159:CYS:HA	5	0.27
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB2	5	0.27
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB3	5	0.27
(3,1401)	1:A:162:LEU:HD21	1:B:159:CYS:HA	5	0.27
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB2	5	0.27
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB3	5	0.27
(3,1401)	1:A:162:LEU:HD22	1:A:159:CYS:HA	5	0.27
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB2	5	0.27
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB3	5	0.27
(3,1401)	1:A:162:LEU:HD22	1:B:159:CYS:HA	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB2	5	0.27
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB3	5	0.27
(3,1401)	1:A:162:LEU:HD23	1:A:159:CYS:HA	5	0.27
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB2	5	0.27
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB3	5	0.27
(3,1401)	1:A:162:LEU:HD23	1:B:159:CYS:HA	5	0.27
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB2	5	0.27
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB3	5	0.27
(3,1401)	1:A:180:LEU:HB2	1:A:159:CYS:HA	5	0.27
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB2	5	0.27
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB3	5	0.27
(3,1401)	1:A:180:LEU:HB2	1:B:159:CYS:HA	5	0.27
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB2	5	0.27
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB3	5	0.27
(3,1401)	1:A:182:LYS:HG2	1:A:159:CYS:HA	5	0.27
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB2	5	0.27
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB3	5	0.27
(3,1401)	1:A:182:LYS:HG2	1:B:159:CYS:HA	5	0.27
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB2	5	0.27
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB3	5	0.27
(3,1401)	1:A:183:ARG:HG2	1:A:159:CYS:HA	5	0.27
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB2	5	0.27
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB3	5	0.27
(3,1401)	1:A:183:ARG:HG2	1:B:159:CYS:HA	5	0.27
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB2	5	0.27
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB3	5	0.27
(3,1401)	1:B:154:LEU:HG	1:A:159:CYS:HA	5	0.27
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB2	5	0.27
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB3	5	0.27
(3,1401)	1:B:154:LEU:HG	1:B:159:CYS:HA	5	0.27
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB2	5	0.27
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB3	5	0.27
(3,1401)	1:B:162:LEU:HB2	1:A:159:CYS:HA	5	0.27
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB2	5	0.27
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB3	5	0.27
(3,1401)	1:B:162:LEU:HB2	1:B:159:CYS:HA	5	0.27
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB2	5	0.27
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB3	5	0.27
(3,1401)	1:B:180:LEU:HB2	1:A:159:CYS:HA	5	0.27
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB2	5	0.27
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB3	5	0.27
(3,1401)	1:B:180:LEU:HB2	1:B:159:CYS:HA	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB2	5	0.27
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB3	5	0.27
(3,1401)	1:B:182:LYS:HG2	1:A:159:CYS:HA	5	0.27
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB2	5	0.27
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB3	5	0.27
(3,1401)	1:B:182:LYS:HG2	1:B:159:CYS:HA	5	0.27
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB2	5	0.27
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB3	5	0.27
(3,1401)	1:B:183:ARG:HG2	1:A:159:CYS:HA	5	0.27
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB2	5	0.27
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB3	5	0.27
(3,1401)	1:B:183:ARG:HG2	1:B:159:CYS:HA	5	0.27
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB2	5	0.27
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB3	5	0.27
(3,1301)	1:A:158:GLU:HG2	1:A:158:GLU:H	6	0.27
(3,1301)	1:A:158:GLU:HG2	1:A:173:GLU:H	6	0.27
(3,1301)	1:A:158:GLU:HG2	1:B:173:GLU:H	6	0.27
(3,1301)	1:A:173:GLU:HG2	1:A:158:GLU:H	6	0.27
(3,1301)	1:A:173:GLU:HG2	1:A:173:GLU:H	6	0.27
(3,1301)	1:A:173:GLU:HG2	1:B:173:GLU:H	6	0.27
(3,1301)	1:B:173:GLU:HG2	1:A:158:GLU:H	6	0.27
(3,1301)	1:B:173:GLU:HG2	1:A:173:GLU:H	6	0.27
(3,1301)	1:B:173:GLU:HG2	1:B:173:GLU:H	6	0.27
(3,1159)	1:A:164:GLU:HG2	1:A:174:ILE:H	1	0.27
(3,1159)	1:A:164:GLU:HG2	1:B:174:ILE:H	1	0.27
(3,1159)	1:A:169:PHE:HB2	1:A:174:ILE:H	1	0.27
(3,1159)	1:A:169:PHE:HB2	1:B:174:ILE:H	1	0.27
(3,1159)	1:A:176:ASP:HB2	1:A:174:ILE:H	1	0.27
(3,1159)	1:A:176:ASP:HB2	1:B:174:ILE:H	1	0.27
(3,1159)	1:B:169:PHE:HB2	1:A:174:ILE:H	1	0.27
(3,1159)	1:B:169:PHE:HB2	1:B:174:ILE:H	1	0.27
(3,1159)	1:A:164:GLU:HG2	1:A:174:ILE:H	3	0.27
(3,1159)	1:A:164:GLU:HG2	1:B:174:ILE:H	3	0.27
(3,1159)	1:A:169:PHE:HB2	1:A:174:ILE:H	3	0.27
(3,1159)	1:A:169:PHE:HB2	1:B:174:ILE:H	3	0.27
(3,1159)	1:A:176:ASP:HB2	1:A:174:ILE:H	3	0.27
(3,1159)	1:A:176:ASP:HB2	1:B:174:ILE:H	3	0.27
(3,1159)	1:B:169:PHE:HB2	1:A:174:ILE:H	3	0.27
(3,1159)	1:B:169:PHE:HB2	1:B:174:ILE:H	3	0.27
(3,1120)	1:A:158:GLU:HG2	1:A:162:LEU:H	8	0.27
(3,1120)	1:A:158:GLU:HG2	1:B:162:LEU:H	8	0.27
(3,1120)	1:A:163:GLN:HG3	1:A:162:LEU:H	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1120)	1:A:163:GLN:HG3	1:B:162:LEU:H	8	0.27
(3,1120)	1:B:158:GLU:HG2	1:A:162:LEU:H	8	0.27
(3,1120)	1:B:158:GLU:HG2	1:B:162:LEU:H	8	0.27
(3,1120)	1:B:163:GLN:HG3	1:A:162:LEU:H	8	0.27
(3,1120)	1:B:163:GLN:HG3	1:B:162:LEU:H	8	0.27
(1,836)	1:A:171:ASN:H	1:A:172:GLN:HB3	4	0.27
(1,836)	1:A:171:ASN:H	1:A:172:GLN:HB3	5	0.27
(1,726)	1:A:193:PHE:H	1:A:195:LYS:HB3	4	0.27
(1,1800)	1:A:177:ALA:H	1:A:168:GLY:H	9	0.27
(1,1800)	1:A:177:ALA:H	1:B:168:GLY:H	9	0.27
(1,1800)	1:A:202:THR:H	1:A:168:GLY:H	9	0.27
(1,1800)	1:A:202:THR:H	1:B:168:GLY:H	9	0.27
(1,1800)	1:B:177:ALA:H	1:A:168:GLY:H	9	0.27
(1,1800)	1:B:177:ALA:H	1:B:168:GLY:H	9	0.27
(1,1800)	1:B:202:THR:H	1:A:168:GLY:H	9	0.27
(1,1800)	1:B:202:THR:H	1:B:168:GLY:H	9	0.27
(3,994)	1:A:198:VAL:HG11	1:A:200:SER:H	5	0.26
(3,994)	1:A:198:VAL:HG11	1:B:200:SER:H	5	0.26
(3,994)	1:A:198:VAL:HG12	1:A:200:SER:H	5	0.26
(3,994)	1:A:198:VAL:HG12	1:B:200:SER:H	5	0.26
(3,994)	1:A:198:VAL:HG13	1:A:200:SER:H	5	0.26
(3,994)	1:A:198:VAL:HG13	1:B:200:SER:H	5	0.26
(3,994)	1:B:198:VAL:HG11	1:A:200:SER:H	5	0.26
(3,994)	1:B:198:VAL:HG11	1:B:200:SER:H	5	0.26
(3,892)	1:A:186:GLU:HB2	1:A:186:GLU:H	5	0.26
(3,892)	1:A:186:GLU:HB2	1:B:151:GLN:H	5	0.26
(3,892)	1:B:150:GLU:HB2	1:A:186:GLU:H	5	0.26
(3,892)	1:B:150:GLU:HB2	1:B:151:GLN:H	5	0.26
(3,892)	1:A:186:GLU:HB2	1:A:186:GLU:H	9	0.26
(3,892)	1:A:186:GLU:HB2	1:B:151:GLN:H	9	0.26
(3,892)	1:B:150:GLU:HB2	1:A:186:GLU:H	9	0.26
(3,892)	1:B:150:GLU:HB2	1:B:151:GLN:H	9	0.26
(3,883)	1:A:173:GLU:HG3	1:A:169:PHE:H	1	0.26
(3,883)	1:A:173:GLU:HG3	1:B:169:PHE:H	1	0.26
(3,883)	1:A:203:GLU:HG2	1:A:169:PHE:H	1	0.26
(3,883)	1:A:203:GLU:HG2	1:B:169:PHE:H	1	0.26
(3,883)	1:B:203:GLU:HG2	1:A:169:PHE:H	1	0.26
(3,883)	1:B:203:GLU:HG2	1:B:169:PHE:H	1	0.26
(3,883)	1:A:173:GLU:HG3	1:A:169:PHE:H	7	0.26
(3,883)	1:A:173:GLU:HG3	1:B:169:PHE:H	7	0.26
(3,883)	1:A:203:GLU:HG2	1:A:169:PHE:H	7	0.26
(3,883)	1:A:203:GLU:HG2	1:B:169:PHE:H	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,883)	1:B:203:GLU:HG2	1:A:169:PHE:H	7	0.26
(3,883)	1:B:203:GLU:HG2	1:B:169:PHE:H	7	0.26
(3,569)	1:A:178:LEU:HD11	1:A:157:ARG:HD2	3	0.26
(3,569)	1:A:178:LEU:HD11	1:A:157:ARG:HD3	3	0.26
(3,569)	1:A:178:LEU:HD12	1:A:157:ARG:HD2	3	0.26
(3,569)	1:A:178:LEU:HD12	1:A:157:ARG:HD3	3	0.26
(3,569)	1:A:178:LEU:HD13	1:A:157:ARG:HD2	3	0.26
(3,569)	1:A:178:LEU:HD13	1:A:157:ARG:HD3	3	0.26
(3,513)	1:A:209:LYS:HE2	1:B:209:LYS:HB3	1	0.26
(3,513)	1:A:209:LYS:HE3	1:B:209:LYS:HB3	1	0.26
(3,493)	1:A:149:LYS:HA	1:A:149:LYS:HG2	7	0.26
(3,493)	1:A:149:LYS:HA	1:A:149:LYS:HG3	7	0.26
(3,448)	1:A:173:GLU:HB2	1:A:170:THR:H	5	0.26
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG21	10	0.26
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG22	10	0.26
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG23	10	0.26
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD11	6	0.26
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD12	6	0.26
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD13	6	0.26
(3,1585)	1:A:209:LYS:HA	1:A:209:LYS:HG2	6	0.26
(3,1585)	1:A:209:LYS:HA	1:B:209:LYS:HG2	6	0.26
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD11	6	0.26
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD12	6	0.26
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD13	6	0.26
(3,1585)	1:B:205:VAL:HA	1:A:209:LYS:HG2	6	0.26
(3,1585)	1:B:205:VAL:HA	1:B:209:LYS:HG2	6	0.26
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD11	6	0.26
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD12	6	0.26
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD13	6	0.26
(3,1585)	1:B:209:LYS:HA	1:A:209:LYS:HG2	6	0.26
(3,1585)	1:B:209:LYS:HA	1:B:209:LYS:HG2	6	0.26
(3,1441)	1:A:172:GLN:HG3	1:A:172:GLN:HA	9	0.26
(3,1441)	1:A:172:GLN:HG3	1:B:172:GLN:HA	9	0.26
(3,1441)	1:B:172:GLN:HG3	1:A:172:GLN:HA	9	0.26
(3,1441)	1:B:172:GLN:HG3	1:B:172:GLN:HA	9	0.26
(3,1301)	1:A:158:GLU:HG2	1:A:158:GLU:H	7	0.26
(3,1301)	1:A:158:GLU:HG2	1:A:173:GLU:H	7	0.26
(3,1301)	1:A:158:GLU:HG2	1:B:173:GLU:H	7	0.26
(3,1301)	1:A:173:GLU:HG2	1:A:158:GLU:H	7	0.26
(3,1301)	1:A:173:GLU:HG2	1:A:173:GLU:H	7	0.26
(3,1301)	1:A:173:GLU:HG2	1:B:173:GLU:H	7	0.26
(3,1301)	1:B:173:GLU:HG2	1:A:158:GLU:H	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1301)	1:B:173:GLU:HG2	1:A:173:GLU:H	7	0.26
(3,1301)	1:B:173:GLU:HG2	1:B:173:GLU:H	7	0.26
(3,1259)	1:A:168:GLY:HA3	1:A:207:ILE:H	2	0.26
(3,1259)	1:A:168:GLY:HA3	1:B:207:ILE:H	2	0.26
(3,1259)	1:B:168:GLY:HA3	1:A:207:ILE:H	2	0.26
(3,1259)	1:B:168:GLY:HA3	1:B:207:ILE:H	2	0.26
(3,1259)	1:A:168:GLY:HA3	1:A:207:ILE:H	8	0.26
(3,1259)	1:A:168:GLY:HA3	1:B:207:ILE:H	8	0.26
(3,1259)	1:B:168:GLY:HA3	1:A:207:ILE:H	8	0.26
(3,1259)	1:B:168:GLY:HA3	1:B:207:ILE:H	8	0.26
(3,1217)	1:A:172:GLN:HG3	1:A:182:LYS:H	5	0.26
(3,1217)	1:A:172:GLN:HG3	1:B:182:LYS:H	5	0.26
(3,1217)	1:B:172:GLN:HG3	1:A:182:LYS:H	5	0.26
(3,1217)	1:B:172:GLN:HG3	1:B:182:LYS:H	5	0.26
(3,1106)	1:A:194:ASN:HB2	1:A:193:PHE:H	2	0.26
(3,1106)	1:A:194:ASN:HB2	1:B:193:PHE:H	2	0.26
(3,1106)	1:B:194:ASN:HB2	1:A:193:PHE:H	2	0.26
(3,1106)	1:B:194:ASN:HB2	1:B:193:PHE:H	2	0.26
(3,1103)	1:A:195:LYS:HE2	1:A:193:PHE:H	1	0.26
(3,1103)	1:A:195:LYS:HE2	1:B:193:PHE:H	1	0.26
(3,1103)	1:B:195:LYS:HE2	1:A:193:PHE:H	1	0.26
(3,1103)	1:B:195:LYS:HE2	1:B:193:PHE:H	1	0.26
(1,1855)	1:A:168:GLY:HA3	1:A:205:VAL:H	6	0.26
(1,1855)	1:A:168:GLY:HA3	1:B:205:VAL:H	6	0.26
(1,1855)	1:A:189:LEU:HA	1:A:205:VAL:H	6	0.26
(1,1855)	1:A:189:LEU:HA	1:B:205:VAL:H	6	0.26
(1,1855)	1:B:168:GLY:HA3	1:A:205:VAL:H	6	0.26
(1,1855)	1:B:168:GLY:HA3	1:B:205:VAL:H	6	0.26
(1,1855)	1:B:189:LEU:HA	1:A:205:VAL:H	6	0.26
(1,1855)	1:B:189:LEU:HA	1:B:205:VAL:H	6	0.26
(1,1855)	1:B:193:PHE:HB2	1:A:205:VAL:H	6	0.26
(1,1855)	1:B:193:PHE:HB2	1:B:205:VAL:H	6	0.26
(1,1855)	1:A:168:GLY:HA3	1:A:205:VAL:H	7	0.26
(1,1855)	1:A:168:GLY:HA3	1:B:205:VAL:H	7	0.26
(1,1855)	1:A:189:LEU:HA	1:A:205:VAL:H	7	0.26
(1,1855)	1:A:189:LEU:HA	1:B:205:VAL:H	7	0.26
(1,1855)	1:B:168:GLY:HA3	1:A:205:VAL:H	7	0.26
(1,1855)	1:B:168:GLY:HA3	1:B:205:VAL:H	7	0.26
(1,1855)	1:B:189:LEU:HA	1:A:205:VAL:H	7	0.26
(1,1855)	1:B:189:LEU:HA	1:B:205:VAL:H	7	0.26
(1,1855)	1:B:193:PHE:HB2	1:A:205:VAL:H	7	0.26
(1,1855)	1:B:193:PHE:HB2	1:B:205:VAL:H	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1832)	1:A:151:GLN:HA	1:A:160:LEU:H	9	0.26
(1,1832)	1:A:151:GLN:HA	1:B:160:LEU:H	9	0.26
(1,1832)	1:A:164:GLU:HA	1:A:160:LEU:H	9	0.26
(1,1832)	1:A:164:GLU:HA	1:B:160:LEU:H	9	0.26
(1,1832)	1:A:171:ASN:HA	1:A:160:LEU:H	9	0.26
(1,1832)	1:A:171:ASN:HA	1:B:160:LEU:H	9	0.26
(1,1832)	1:A:178:LEU:HA	1:A:160:LEU:H	9	0.26
(1,1832)	1:A:178:LEU:HA	1:B:160:LEU:H	9	0.26
(1,1832)	1:A:188:SER:HA	1:A:160:LEU:H	9	0.26
(1,1832)	1:A:188:SER:HA	1:B:160:LEU:H	9	0.26
(1,1832)	1:A:205:VAL:HA	1:A:160:LEU:H	9	0.26
(1,1832)	1:A:205:VAL:HA	1:B:160:LEU:H	9	0.26
(1,1832)	1:B:151:GLN:HA	1:A:160:LEU:H	9	0.26
(1,1832)	1:B:151:GLN:HA	1:B:160:LEU:H	9	0.26
(1,1832)	1:B:164:GLU:HA	1:A:160:LEU:H	9	0.26
(1,1832)	1:B:164:GLU:HA	1:B:160:LEU:H	9	0.26
(1,1832)	1:B:171:ASN:HA	1:A:160:LEU:H	9	0.26
(1,1832)	1:B:171:ASN:HA	1:B:160:LEU:H	9	0.26
(1,1832)	1:B:178:LEU:HA	1:A:160:LEU:H	9	0.26
(1,1832)	1:B:178:LEU:HA	1:B:160:LEU:H	9	0.26
(1,1832)	1:B:188:SER:HA	1:A:160:LEU:H	9	0.26
(1,1832)	1:B:188:SER:HA	1:B:160:LEU:H	9	0.26
(1,1800)	1:A:177:ALA:H	1:A:168:GLY:H	2	0.26
(1,1800)	1:A:177:ALA:H	1:B:168:GLY:H	2	0.26
(1,1800)	1:A:202:THR:H	1:A:168:GLY:H	2	0.26
(1,1800)	1:A:202:THR:H	1:B:168:GLY:H	2	0.26
(1,1800)	1:B:177:ALA:H	1:A:168:GLY:H	2	0.26
(1,1800)	1:B:177:ALA:H	1:B:168:GLY:H	2	0.26
(1,1800)	1:B:202:THR:H	1:A:168:GLY:H	2	0.26
(1,1800)	1:B:202:THR:H	1:B:168:GLY:H	2	0.26
(1,1800)	1:A:177:ALA:H	1:A:168:GLY:H	10	0.26
(1,1800)	1:A:177:ALA:H	1:B:168:GLY:H	10	0.26
(1,1800)	1:A:202:THR:H	1:A:168:GLY:H	10	0.26
(1,1800)	1:A:202:THR:H	1:B:168:GLY:H	10	0.26
(1,1800)	1:B:177:ALA:H	1:A:168:GLY:H	10	0.26
(1,1800)	1:B:177:ALA:H	1:B:168:GLY:H	10	0.26
(1,1800)	1:B:202:THR:H	1:A:168:GLY:H	10	0.26
(1,1800)	1:B:202:THR:H	1:B:168:GLY:H	10	0.26
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD2	4	0.26
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD3	4	0.26
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD2	4	0.26
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD3	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD2	4	0.26
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD3	4	0.26
(3,892)	1:A:186:GLU:HB2	1:A:186:GLU:H	3	0.25
(3,892)	1:A:186:GLU:HB2	1:B:151:GLN:H	3	0.25
(3,892)	1:B:150:GLU:HB2	1:A:186:GLU:H	3	0.25
(3,892)	1:B:150:GLU:HB2	1:B:151:GLN:H	3	0.25
(3,793)	1:A:170:THR:H	1:A:170:THR:HG21	10	0.25
(3,793)	1:A:170:THR:H	1:A:170:THR:HG22	10	0.25
(3,793)	1:A:170:THR:H	1:A:170:THR:HG23	10	0.25
(3,793)	1:A:170:THR:H	1:B:202:THR:HG21	10	0.25
(3,793)	1:A:170:THR:H	1:B:202:THR:HG22	10	0.25
(3,793)	1:A:170:THR:H	1:B:202:THR:HG23	10	0.25
(3,716)	1:A:149:LYS:HB2	1:A:153:VAL:HB	7	0.25
(3,716)	1:A:149:LYS:HB3	1:A:153:VAL:HB	7	0.25
(3,513)	1:A:209:LYS:HE2	1:B:209:LYS:HB3	5	0.25
(3,513)	1:A:209:LYS:HE3	1:B:209:LYS:HB3	5	0.25
(3,465)	1:A:210:SER:HA	1:B:209:LYS:HD3	5	0.25
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG21	3	0.25
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG22	3	0.25
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG23	3	0.25
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD11	7	0.25
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD12	7	0.25
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD13	7	0.25
(3,1585)	1:A:209:LYS:HA	1:A:209:LYS:HG2	7	0.25
(3,1585)	1:A:209:LYS:HA	1:B:209:LYS:HG2	7	0.25
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD11	7	0.25
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD12	7	0.25
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD13	7	0.25
(3,1585)	1:B:205:VAL:HA	1:A:209:LYS:HG2	7	0.25
(3,1585)	1:B:205:VAL:HA	1:B:209:LYS:HG2	7	0.25
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD11	7	0.25
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD12	7	0.25
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD13	7	0.25
(3,1585)	1:B:209:LYS:HA	1:A:209:LYS:HG2	7	0.25
(3,1585)	1:B:209:LYS:HA	1:B:209:LYS:HG2	7	0.25
(3,1489)	1:A:181:SER:HB2	1:A:183:ARG:HD2	4	0.25
(3,1489)	1:A:181:SER:HB2	1:B:183:ARG:HD2	4	0.25
(3,1489)	1:B:181:SER:HB2	1:A:183:ARG:HD2	4	0.25
(3,1489)	1:B:181:SER:HB2	1:B:183:ARG:HD2	4	0.25
(3,1441)	1:A:172:GLN:HG3	1:A:172:GLN:HA	1	0.25
(3,1441)	1:A:172:GLN:HG3	1:B:172:GLN:HA	1	0.25
(3,1441)	1:B:172:GLN:HG3	1:A:172:GLN:HA	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1441)	1:B:172:GLN:HG3	1:B:172:GLN:HA	1	0.25
(3,1367)	1:B:151:GLN:HA	1:B:154:LEU:HG	7	0.25
(3,1367)	1:B:151:GLN:HA	1:B:196:LEU:HG	7	0.25
(3,1301)	1:A:158:GLU:HG2	1:A:158:GLU:H	10	0.25
(3,1301)	1:A:158:GLU:HG2	1:A:173:GLU:H	10	0.25
(3,1301)	1:A:158:GLU:HG2	1:B:173:GLU:H	10	0.25
(3,1301)	1:A:173:GLU:HG2	1:A:158:GLU:H	10	0.25
(3,1301)	1:A:173:GLU:HG2	1:A:173:GLU:H	10	0.25
(3,1301)	1:A:173:GLU:HG2	1:B:173:GLU:H	10	0.25
(3,1301)	1:B:173:GLU:HG2	1:A:158:GLU:H	10	0.25
(3,1301)	1:B:173:GLU:HG2	1:A:173:GLU:H	10	0.25
(3,1301)	1:B:173:GLU:HG2	1:B:173:GLU:H	10	0.25
(3,1260)	1:A:209:LYS:HA	1:A:214:LEU:H	9	0.25
(3,1260)	1:A:209:LYS:HA	1:B:214:LEU:H	9	0.25
(3,1260)	1:B:209:LYS:HA	1:A:214:LEU:H	9	0.25
(3,1260)	1:B:209:LYS:HA	1:B:214:LEU:H	9	0.25
(3,126)	1:B:149:LYS:H	1:B:148:GLN:HB2	9	0.25
(3,1259)	1:A:168:GLY:HA3	1:A:207:ILE:H	1	0.25
(3,1259)	1:A:168:GLY:HA3	1:B:207:ILE:H	1	0.25
(3,1259)	1:B:168:GLY:HA3	1:A:207:ILE:H	1	0.25
(3,1259)	1:B:168:GLY:HA3	1:B:207:ILE:H	1	0.25
(3,1207)	1:A:164:GLU:HG2	1:A:175:ALA:H	4	0.25
(3,1207)	1:A:164:GLU:HG2	1:B:175:ALA:H	4	0.25
(3,1207)	1:A:176:ASP:HB2	1:A:175:ALA:H	4	0.25
(3,1207)	1:A:176:ASP:HB2	1:B:175:ALA:H	4	0.25
(3,1207)	1:B:176:ASP:HB2	1:A:175:ALA:H	4	0.25
(3,1207)	1:B:176:ASP:HB2	1:B:175:ALA:H	4	0.25
(3,1191)	1:A:149:LYS:HG2	1:A:150:GLU:H	2	0.25
(3,1191)	1:A:149:LYS:HG2	1:B:150:GLU:H	2	0.25
(3,1191)	1:B:149:LYS:HG2	1:A:150:GLU:H	2	0.25
(3,1191)	1:B:149:LYS:HG2	1:B:150:GLU:H	2	0.25
(1,923)	1:A:163:GLN:H	1:A:164:GLU:HG3	7	0.25
(1,836)	1:A:171:ASN:H	1:A:172:GLN:HB3	9	0.25
(1,1855)	1:A:168:GLY:HA3	1:A:205:VAL:H	1	0.25
(1,1855)	1:A:168:GLY:HA3	1:B:205:VAL:H	1	0.25
(1,1855)	1:A:189:LEU:HA	1:A:205:VAL:H	1	0.25
(1,1855)	1:A:189:LEU:HA	1:B:205:VAL:H	1	0.25
(1,1855)	1:B:168:GLY:HA3	1:A:205:VAL:H	1	0.25
(1,1855)	1:B:168:GLY:HA3	1:B:205:VAL:H	1	0.25
(1,1855)	1:B:189:LEU:HA	1:A:205:VAL:H	1	0.25
(1,1855)	1:B:189:LEU:HA	1:B:205:VAL:H	1	0.25
(1,1855)	1:B:193:PHE:HB2	1:A:205:VAL:H	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1855)	1:B:193:PHE:HB2	1:B:205:VAL:H	1	0.25
(1,1832)	1:A:151:GLN:HA	1:A:160:LEU:H	6	0.25
(1,1832)	1:A:151:GLN:HA	1:B:160:LEU:H	6	0.25
(1,1832)	1:A:164:GLU:HA	1:A:160:LEU:H	6	0.25
(1,1832)	1:A:164:GLU:HA	1:B:160:LEU:H	6	0.25
(1,1832)	1:A:171:ASN:HA	1:A:160:LEU:H	6	0.25
(1,1832)	1:A:171:ASN:HA	1:B:160:LEU:H	6	0.25
(1,1832)	1:A:178:LEU:HA	1:A:160:LEU:H	6	0.25
(1,1832)	1:A:178:LEU:HA	1:B:160:LEU:H	6	0.25
(1,1832)	1:A:188:SER:HA	1:A:160:LEU:H	6	0.25
(1,1832)	1:A:188:SER:HA	1:B:160:LEU:H	6	0.25
(1,1832)	1:A:205:VAL:HA	1:A:160:LEU:H	6	0.25
(1,1832)	1:A:205:VAL:HA	1:B:160:LEU:H	6	0.25
(1,1832)	1:B:151:GLN:HA	1:A:160:LEU:H	6	0.25
(1,1832)	1:B:151:GLN:HA	1:B:160:LEU:H	6	0.25
(1,1832)	1:B:164:GLU:HA	1:A:160:LEU:H	6	0.25
(1,1832)	1:B:164:GLU:HA	1:B:160:LEU:H	6	0.25
(1,1832)	1:B:171:ASN:HA	1:A:160:LEU:H	6	0.25
(1,1832)	1:B:171:ASN:HA	1:B:160:LEU:H	6	0.25
(1,1832)	1:B:178:LEU:HA	1:A:160:LEU:H	6	0.25
(1,1832)	1:B:178:LEU:HA	1:B:160:LEU:H	6	0.25
(1,1832)	1:B:188:SER:HA	1:A:160:LEU:H	6	0.25
(1,1832)	1:B:188:SER:HA	1:B:160:LEU:H	6	0.25
(1,1832)	1:A:151:GLN:HA	1:A:160:LEU:H	7	0.25
(1,1832)	1:A:151:GLN:HA	1:B:160:LEU:H	7	0.25
(1,1832)	1:A:164:GLU:HA	1:A:160:LEU:H	7	0.25
(1,1832)	1:A:164:GLU:HA	1:B:160:LEU:H	7	0.25
(1,1832)	1:A:171:ASN:HA	1:A:160:LEU:H	7	0.25
(1,1832)	1:A:171:ASN:HA	1:B:160:LEU:H	7	0.25
(1,1832)	1:A:178:LEU:HA	1:A:160:LEU:H	7	0.25
(1,1832)	1:A:178:LEU:HA	1:B:160:LEU:H	7	0.25
(1,1832)	1:A:188:SER:HA	1:A:160:LEU:H	7	0.25
(1,1832)	1:A:188:SER:HA	1:B:160:LEU:H	7	0.25
(1,1832)	1:A:205:VAL:HA	1:A:160:LEU:H	7	0.25
(1,1832)	1:A:205:VAL:HA	1:B:160:LEU:H	7	0.25
(1,1832)	1:B:151:GLN:HA	1:A:160:LEU:H	7	0.25
(1,1832)	1:B:151:GLN:HA	1:B:160:LEU:H	7	0.25
(1,1832)	1:B:164:GLU:HA	1:A:160:LEU:H	7	0.25
(1,1832)	1:B:164:GLU:HA	1:B:160:LEU:H	7	0.25
(1,1832)	1:B:171:ASN:HA	1:A:160:LEU:H	7	0.25
(1,1832)	1:B:171:ASN:HA	1:B:160:LEU:H	7	0.25
(1,1832)	1:B:178:LEU:HA	1:A:160:LEU:H	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1832)	1:B:178:LEU:HA	1:B:160:LEU:H	7	0.25
(1,1832)	1:B:188:SER:HA	1:A:160:LEU:H	7	0.25
(1,1832)	1:B:188:SER:HA	1:B:160:LEU:H	7	0.25
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD2	5	0.25
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD3	5	0.25
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD2	5	0.25
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD3	5	0.25
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD2	5	0.25
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD3	5	0.25
(3,883)	1:A:173:GLU:HG3	1:A:169:PHE:H	2	0.24
(3,883)	1:A:173:GLU:HG3	1:B:169:PHE:H	2	0.24
(3,883)	1:A:203:GLU:HG2	1:A:169:PHE:H	2	0.24
(3,883)	1:A:203:GLU:HG2	1:B:169:PHE:H	2	0.24
(3,883)	1:B:203:GLU:HG2	1:A:169:PHE:H	2	0.24
(3,883)	1:B:203:GLU:HG2	1:B:169:PHE:H	2	0.24
(3,829)	1:A:148:GLN:HB3	1:A:149:LYS:H	7	0.24
(3,829)	1:A:148:GLN:HB3	1:B:166:GLU:H	7	0.24
(3,829)	1:B:166:GLU:HG3	1:A:149:LYS:H	7	0.24
(3,829)	1:B:166:GLU:HG3	1:B:166:GLU:H	7	0.24
(3,719)	1:B:149:LYS:HB2	1:B:153:VAL:HB	4	0.24
(3,719)	1:B:149:LYS:HB3	1:B:153:VAL:HB	4	0.24
(3,574)	1:B:162:LEU:HG	1:B:166:GLU:HB3	6	0.24
(3,513)	1:A:209:LYS:HE2	1:B:209:LYS:HB3	6	0.24
(3,513)	1:A:209:LYS:HE3	1:B:209:LYS:HB3	6	0.24
(3,465)	1:A:210:SER:HA	1:B:209:LYS:HD3	7	0.24
(3,4)	1:B:154:LEU:H	1:B:154:LEU:HB2	8	0.24
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD11	8	0.24
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD12	8	0.24
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD13	8	0.24
(3,1585)	1:A:209:LYS:HA	1:A:209:LYS:HG2	8	0.24
(3,1585)	1:A:209:LYS:HA	1:B:209:LYS:HG2	8	0.24
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD11	8	0.24
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD12	8	0.24
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD13	8	0.24
(3,1585)	1:B:205:VAL:HA	1:A:209:LYS:HG2	8	0.24
(3,1585)	1:B:205:VAL:HA	1:B:209:LYS:HG2	8	0.24
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD11	8	0.24
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD12	8	0.24
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD13	8	0.24
(3,1585)	1:B:209:LYS:HA	1:A:209:LYS:HG2	8	0.24
(3,1585)	1:B:209:LYS:HA	1:B:209:LYS:HG2	8	0.24
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD11	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD12	9	0.24
(3,1585)	1:A:209:LYS:HA	1:A:206:LEU:HD13	9	0.24
(3,1585)	1:A:209:LYS:HA	1:A:209:LYS:HG2	9	0.24
(3,1585)	1:A:209:LYS:HA	1:B:209:LYS:HG2	9	0.24
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD11	9	0.24
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD12	9	0.24
(3,1585)	1:B:205:VAL:HA	1:A:206:LEU:HD13	9	0.24
(3,1585)	1:B:205:VAL:HA	1:A:209:LYS:HG2	9	0.24
(3,1585)	1:B:205:VAL:HA	1:B:209:LYS:HG2	9	0.24
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD11	9	0.24
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD12	9	0.24
(3,1585)	1:B:209:LYS:HA	1:A:206:LEU:HD13	9	0.24
(3,1585)	1:B:209:LYS:HA	1:A:209:LYS:HG2	9	0.24
(3,1585)	1:B:209:LYS:HA	1:B:209:LYS:HG2	9	0.24
(3,1489)	1:A:181:SER:HB2	1:A:183:ARG:HD2	5	0.24
(3,1489)	1:A:181:SER:HB2	1:B:183:ARG:HD2	5	0.24
(3,1489)	1:B:181:SER:HB2	1:A:183:ARG:HD2	5	0.24
(3,1489)	1:B:181:SER:HB2	1:B:183:ARG:HD2	5	0.24
(3,1366)	1:A:151:GLN:HA	1:A:154:LEU:HG	7	0.24
(3,1366)	1:A:151:GLN:HA	1:A:196:LEU:HG	7	0.24
(3,1301)	1:A:158:GLU:HG2	1:A:158:GLU:H	1	0.24
(3,1301)	1:A:158:GLU:HG2	1:A:173:GLU:H	1	0.24
(3,1301)	1:A:158:GLU:HG2	1:B:173:GLU:H	1	0.24
(3,1301)	1:A:173:GLU:HG2	1:A:158:GLU:H	1	0.24
(3,1301)	1:A:173:GLU:HG2	1:A:173:GLU:H	1	0.24
(3,1301)	1:A:173:GLU:HG2	1:B:173:GLU:H	1	0.24
(3,1301)	1:B:173:GLU:HG2	1:A:158:GLU:H	1	0.24
(3,1301)	1:B:173:GLU:HG2	1:A:173:GLU:H	1	0.24
(3,1301)	1:B:173:GLU:HG2	1:B:173:GLU:H	1	0.24
(3,1269)	1:A:149:LYS:HE3	1:A:150:GLU:H	1	0.24
(3,1269)	1:A:149:LYS:HE3	1:A:165:VAL:H	1	0.24
(3,1269)	1:A:149:LYS:HE3	1:B:150:GLU:H	1	0.24
(3,1269)	1:A:149:LYS:HE3	1:B:165:VAL:H	1	0.24
(3,1269)	1:A:165:VAL:HB	1:A:150:GLU:H	1	0.24
(3,1269)	1:A:165:VAL:HB	1:A:165:VAL:H	1	0.24
(3,1269)	1:A:165:VAL:HB	1:B:150:GLU:H	1	0.24
(3,1269)	1:A:165:VAL:HB	1:B:165:VAL:H	1	0.24
(3,1269)	1:B:149:LYS:HE3	1:A:150:GLU:H	1	0.24
(3,1269)	1:B:149:LYS:HE3	1:A:165:VAL:H	1	0.24
(3,1269)	1:B:149:LYS:HE3	1:B:150:GLU:H	1	0.24
(3,1269)	1:B:149:LYS:HE3	1:B:165:VAL:H	1	0.24
(3,1269)	1:B:151:GLN:HG2	1:A:150:GLU:H	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1269)	1:B:151:GLN:HG2	1:A:165:VAL:H	1	0.24
(3,1269)	1:B:151:GLN:HG2	1:B:150:GLU:H	1	0.24
(3,1269)	1:B:151:GLN:HG2	1:B:165:VAL:H	1	0.24
(3,1269)	1:B:165:VAL:HB	1:A:150:GLU:H	1	0.24
(3,1269)	1:B:165:VAL:HB	1:A:165:VAL:H	1	0.24
(3,1269)	1:B:165:VAL:HB	1:B:150:GLU:H	1	0.24
(3,1269)	1:B:165:VAL:HB	1:B:165:VAL:H	1	0.24
(3,1259)	1:A:168:GLY:HA3	1:A:207:ILE:H	3	0.24
(3,1259)	1:A:168:GLY:HA3	1:B:207:ILE:H	3	0.24
(3,1259)	1:B:168:GLY:HA3	1:A:207:ILE:H	3	0.24
(3,1259)	1:B:168:GLY:HA3	1:B:207:ILE:H	3	0.24
(3,1230)	1:A:152:ASP:HB2	1:A:149:LYS:H	3	0.24
(3,1230)	1:A:152:ASP:HB2	1:A:166:GLU:H	3	0.24
(3,1230)	1:A:152:ASP:HB2	1:B:149:LYS:H	3	0.24
(3,1230)	1:A:152:ASP:HB2	1:B:166:GLU:H	3	0.24
(3,1230)	1:A:163:GLN:HG2	1:A:149:LYS:H	3	0.24
(3,1230)	1:A:163:GLN:HG2	1:A:166:GLU:H	3	0.24
(3,1230)	1:A:163:GLN:HG2	1:B:149:LYS:H	3	0.24
(3,1230)	1:A:163:GLN:HG2	1:B:166:GLU:H	3	0.24
(3,1230)	1:A:164:GLU:HG2	1:A:149:LYS:H	3	0.24
(3,1230)	1:A:164:GLU:HG2	1:A:166:GLU:H	3	0.24
(3,1230)	1:A:164:GLU:HG2	1:B:149:LYS:H	3	0.24
(3,1230)	1:A:164:GLU:HG2	1:B:166:GLU:H	3	0.24
(3,1230)	1:B:152:ASP:HB2	1:A:149:LYS:H	3	0.24
(3,1230)	1:B:152:ASP:HB2	1:A:166:GLU:H	3	0.24
(3,1230)	1:B:152:ASP:HB2	1:B:149:LYS:H	3	0.24
(3,1230)	1:B:152:ASP:HB2	1:B:166:GLU:H	3	0.24
(3,1230)	1:B:163:GLN:HG2	1:A:149:LYS:H	3	0.24
(3,1230)	1:B:163:GLN:HG2	1:A:166:GLU:H	3	0.24
(3,1230)	1:B:163:GLN:HG2	1:B:149:LYS:H	3	0.24
(3,1230)	1:B:163:GLN:HG2	1:B:166:GLU:H	3	0.24
(3,1230)	1:B:164:GLU:HG2	1:A:149:LYS:H	3	0.24
(3,1230)	1:B:164:GLU:HG2	1:A:166:GLU:H	3	0.24
(3,1230)	1:B:164:GLU:HG2	1:B:149:LYS:H	3	0.24
(3,1230)	1:B:164:GLU:HG2	1:B:166:GLU:H	3	0.24
(1,726)	1:A:193:PHE:H	1:A:195:LYS:HB3	7	0.24
(1,1886)	1:B:154:LEU:HB2	1:B:157:ARG:HA	10	0.24
(1,1886)	1:B:154:LEU:HB2	1:B:162:LEU:HA	10	0.24
(1,1886)	1:B:154:LEU:HB3	1:B:157:ARG:HA	10	0.24
(1,1886)	1:B:154:LEU:HB3	1:B:162:LEU:HA	10	0.24
(1,1855)	1:A:168:GLY:HA3	1:A:205:VAL:H	9	0.24
(1,1855)	1:A:168:GLY:HA3	1:B:205:VAL:H	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1855)	1:A:189:LEU:HA	1:A:205:VAL:H	9	0.24
(1,1855)	1:A:189:LEU:HA	1:B:205:VAL:H	9	0.24
(1,1855)	1:B:168:GLY:HA3	1:A:205:VAL:H	9	0.24
(1,1855)	1:B:168:GLY:HA3	1:B:205:VAL:H	9	0.24
(1,1855)	1:B:189:LEU:HA	1:A:205:VAL:H	9	0.24
(1,1855)	1:B:189:LEU:HA	1:B:205:VAL:H	9	0.24
(1,1855)	1:B:193:PHE:HB2	1:A:205:VAL:H	9	0.24
(1,1855)	1:B:193:PHE:HB2	1:B:205:VAL:H	9	0.24
(1,1832)	1:A:151:GLN:HA	1:A:160:LEU:H	1	0.24
(1,1832)	1:A:151:GLN:HA	1:B:160:LEU:H	1	0.24
(1,1832)	1:A:164:GLU:HA	1:A:160:LEU:H	1	0.24
(1,1832)	1:A:164:GLU:HA	1:B:160:LEU:H	1	0.24
(1,1832)	1:A:171:ASN:HA	1:A:160:LEU:H	1	0.24
(1,1832)	1:A:171:ASN:HA	1:B:160:LEU:H	1	0.24
(1,1832)	1:A:178:LEU:HA	1:A:160:LEU:H	1	0.24
(1,1832)	1:A:178:LEU:HA	1:B:160:LEU:H	1	0.24
(1,1832)	1:A:188:SER:HA	1:A:160:LEU:H	1	0.24
(1,1832)	1:A:188:SER:HA	1:B:160:LEU:H	1	0.24
(1,1832)	1:A:205:VAL:HA	1:A:160:LEU:H	1	0.24
(1,1832)	1:A:205:VAL:HA	1:B:160:LEU:H	1	0.24
(1,1832)	1:B:151:GLN:HA	1:A:160:LEU:H	1	0.24
(1,1832)	1:B:151:GLN:HA	1:B:160:LEU:H	1	0.24
(1,1832)	1:B:164:GLU:HA	1:A:160:LEU:H	1	0.24
(1,1832)	1:B:164:GLU:HA	1:B:160:LEU:H	1	0.24
(1,1832)	1:B:171:ASN:HA	1:A:160:LEU:H	1	0.24
(1,1832)	1:B:171:ASN:HA	1:B:160:LEU:H	1	0.24
(1,1832)	1:B:178:LEU:HA	1:A:160:LEU:H	1	0.24
(1,1832)	1:B:178:LEU:HA	1:B:160:LEU:H	1	0.24
(1,1832)	1:B:188:SER:HA	1:A:160:LEU:H	1	0.24
(1,1832)	1:B:188:SER:HA	1:B:160:LEU:H	1	0.24
(1,1832)	1:A:151:GLN:HA	1:A:160:LEU:H	8	0.24
(1,1832)	1:A:151:GLN:HA	1:B:160:LEU:H	8	0.24
(1,1832)	1:A:164:GLU:HA	1:A:160:LEU:H	8	0.24
(1,1832)	1:A:164:GLU:HA	1:B:160:LEU:H	8	0.24
(1,1832)	1:A:171:ASN:HA	1:A:160:LEU:H	8	0.24
(1,1832)	1:A:171:ASN:HA	1:B:160:LEU:H	8	0.24
(1,1832)	1:A:178:LEU:HA	1:A:160:LEU:H	8	0.24
(1,1832)	1:A:178:LEU:HA	1:B:160:LEU:H	8	0.24
(1,1832)	1:A:188:SER:HA	1:A:160:LEU:H	8	0.24
(1,1832)	1:A:188:SER:HA	1:B:160:LEU:H	8	0.24
(1,1832)	1:A:205:VAL:HA	1:A:160:LEU:H	8	0.24
(1,1832)	1:A:205:VAL:HA	1:B:160:LEU:H	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1832)	1:B:151:GLN:HA	1:A:160:LEU:H	8	0.24
(1,1832)	1:B:151:GLN:HA	1:B:160:LEU:H	8	0.24
(1,1832)	1:B:164:GLU:HA	1:A:160:LEU:H	8	0.24
(1,1832)	1:B:164:GLU:HA	1:B:160:LEU:H	8	0.24
(1,1832)	1:B:171:ASN:HA	1:A:160:LEU:H	8	0.24
(1,1832)	1:B:171:ASN:HA	1:B:160:LEU:H	8	0.24
(1,1832)	1:B:178:LEU:HA	1:A:160:LEU:H	8	0.24
(1,1832)	1:B:178:LEU:HA	1:B:160:LEU:H	8	0.24
(1,1832)	1:B:188:SER:HA	1:A:160:LEU:H	8	0.24
(1,1832)	1:B:188:SER:HA	1:B:160:LEU:H	8	0.24
(1,1800)	1:A:177:ALA:H	1:A:168:GLY:H	3	0.24
(1,1800)	1:A:177:ALA:H	1:B:168:GLY:H	3	0.24
(1,1800)	1:A:202:THR:H	1:A:168:GLY:H	3	0.24
(1,1800)	1:A:202:THR:H	1:B:168:GLY:H	3	0.24
(1,1800)	1:B:177:ALA:H	1:A:168:GLY:H	3	0.24
(1,1800)	1:B:177:ALA:H	1:B:168:GLY:H	3	0.24
(1,1800)	1:B:202:THR:H	1:A:168:GLY:H	3	0.24
(1,1800)	1:B:202:THR:H	1:B:168:GLY:H	3	0.24
(1,1800)	1:A:177:ALA:H	1:A:168:GLY:H	8	0.24
(1,1800)	1:A:177:ALA:H	1:B:168:GLY:H	8	0.24
(1,1800)	1:A:202:THR:H	1:A:168:GLY:H	8	0.24
(1,1800)	1:A:202:THR:H	1:B:168:GLY:H	8	0.24
(1,1800)	1:B:177:ALA:H	1:A:168:GLY:H	8	0.24
(1,1800)	1:B:177:ALA:H	1:B:168:GLY:H	8	0.24
(1,1800)	1:B:202:THR:H	1:A:168:GLY:H	8	0.24
(1,1800)	1:B:202:THR:H	1:B:168:GLY:H	8	0.24
(1,172)	1:A:177:ALA:H	1:A:173:GLU:HG2	4	0.24
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD2	1	0.24
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD3	1	0.24
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD2	1	0.24
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD3	1	0.24
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD2	1	0.24
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD3	1	0.24
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD2	2	0.24
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD3	2	0.24
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD2	2	0.24
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD3	2	0.24
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD2	2	0.24
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD3	2	0.24
(3,998)	1:A:168:GLY:HA3	1:A:168:GLY:H	5	0.23
(3,998)	1:A:168:GLY:HA3	1:B:168:GLY:H	5	0.23
(3,998)	1:B:168:GLY:HA3	1:A:168:GLY:H	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,998)	1:B:168:GLY:HA3	1:B:168:GLY:H	5	0.23
(3,998)	1:A:168:GLY:HA3	1:A:168:GLY:H	8	0.23
(3,998)	1:A:168:GLY:HA3	1:B:168:GLY:H	8	0.23
(3,998)	1:B:168:GLY:HA3	1:A:168:GLY:H	8	0.23
(3,998)	1:B:168:GLY:HA3	1:B:168:GLY:H	8	0.23
(3,998)	1:A:168:GLY:HA3	1:A:168:GLY:H	9	0.23
(3,998)	1:A:168:GLY:HA3	1:B:168:GLY:H	9	0.23
(3,998)	1:B:168:GLY:HA3	1:A:168:GLY:H	9	0.23
(3,998)	1:B:168:GLY:HA3	1:B:168:GLY:H	9	0.23
(3,995)	1:A:197:ASN:HA	1:A:198:VAL:H	2	0.23
(3,995)	1:A:197:ASN:HA	1:B:198:VAL:H	2	0.23
(3,995)	1:B:197:ASN:HA	1:A:198:VAL:H	2	0.23
(3,995)	1:B:197:ASN:HA	1:B:198:VAL:H	2	0.23
(3,938)	1:A:146:SER:HB2	1:A:147:SER:H	2	0.23
(3,938)	1:A:146:SER:HB2	1:B:146:SER:H	2	0.23
(3,938)	1:A:146:SER:HB2	1:B:147:SER:H	2	0.23
(3,938)	1:B:146:SER:HB2	1:A:147:SER:H	2	0.23
(3,938)	1:B:146:SER:HB2	1:B:146:SER:H	2	0.23
(3,938)	1:B:146:SER:HB2	1:B:147:SER:H	2	0.23
(3,829)	1:A:148:GLN:HB3	1:A:149:LYS:H	9	0.23
(3,829)	1:A:148:GLN:HB3	1:B:166:GLU:H	9	0.23
(3,829)	1:B:166:GLU:HG3	1:A:149:LYS:H	9	0.23
(3,829)	1:B:166:GLU:HG3	1:B:166:GLU:H	9	0.23
(3,719)	1:B:149:LYS:HB2	1:B:153:VAL:HB	7	0.23
(3,719)	1:B:149:LYS:HB3	1:B:153:VAL:HB	7	0.23
(3,675)	1:A:183:ARG:HD2	1:A:181:SER:HB2	1	0.23
(3,675)	1:A:183:ARG:HD2	1:A:181:SER:HB3	1	0.23
(3,675)	1:A:183:ARG:HD3	1:A:181:SER:HB2	1	0.23
(3,675)	1:A:183:ARG:HD3	1:A:181:SER:HB3	1	0.23
(3,574)	1:B:162:LEU:HG	1:B:166:GLU:HB3	3	0.23
(3,573)	1:A:162:LEU:HG	1:A:166:GLU:HB3	1	0.23
(3,513)	1:A:209:LYS:HE2	1:B:209:LYS:HB3	7	0.23
(3,513)	1:A:209:LYS:HE3	1:B:209:LYS:HB3	7	0.23
(3,513)	1:A:209:LYS:HE2	1:B:209:LYS:HB3	9	0.23
(3,513)	1:A:209:LYS:HE3	1:B:209:LYS:HB3	9	0.23
(3,47)	1:B:210:SER:H	1:B:209:LYS:HB3	1	0.23
(3,47)	1:B:210:SER:H	1:B:209:LYS:HB3	4	0.23
(3,47)	1:B:210:SER:H	1:B:209:LYS:HB3	5	0.23
(3,47)	1:B:210:SER:H	1:B:209:LYS:HB3	6	0.23
(3,4)	1:B:154:LEU:H	1:B:154:LEU:HB2	10	0.23
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG21	8	0.23
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG22	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG23	8	0.23
(3,168)	1:A:187:TYR:H	1:A:186:GLU:HG2	4	0.23
(3,1513)	1:A:165:VAL:HG11	1:A:171:ASN:HB2	9	0.23
(3,1513)	1:A:165:VAL:HG11	1:B:171:ASN:HB2	9	0.23
(3,1513)	1:A:165:VAL:HG12	1:A:171:ASN:HB2	9	0.23
(3,1513)	1:A:165:VAL:HG12	1:B:171:ASN:HB2	9	0.23
(3,1513)	1:A:165:VAL:HG13	1:A:171:ASN:HB2	9	0.23
(3,1513)	1:A:165:VAL:HG13	1:B:171:ASN:HB2	9	0.23
(3,1513)	1:A:174:ILE:HD11	1:A:171:ASN:HB2	9	0.23
(3,1513)	1:A:174:ILE:HD11	1:B:171:ASN:HB2	9	0.23
(3,1513)	1:A:174:ILE:HD12	1:A:171:ASN:HB2	9	0.23
(3,1513)	1:A:174:ILE:HD12	1:B:171:ASN:HB2	9	0.23
(3,1513)	1:A:174:ILE:HD13	1:A:171:ASN:HB2	9	0.23
(3,1513)	1:A:174:ILE:HD13	1:B:171:ASN:HB2	9	0.23
(3,1513)	1:A:185:ILE:HD11	1:A:171:ASN:HB2	9	0.23
(3,1513)	1:A:185:ILE:HD11	1:B:171:ASN:HB2	9	0.23
(3,1513)	1:A:185:ILE:HD12	1:A:171:ASN:HB2	9	0.23
(3,1513)	1:A:185:ILE:HD12	1:B:171:ASN:HB2	9	0.23
(3,1513)	1:A:185:ILE:HD13	1:A:171:ASN:HB2	9	0.23
(3,1513)	1:A:185:ILE:HD13	1:B:171:ASN:HB2	9	0.23
(3,1513)	1:B:185:ILE:HD11	1:A:171:ASN:HB2	9	0.23
(3,1513)	1:B:185:ILE:HD11	1:B:171:ASN:HB2	9	0.23
(3,1461)	1:A:149:LYS:HG2	1:A:149:LYS:HA	10	0.23
(3,1461)	1:A:149:LYS:HG2	1:B:149:LYS:HA	10	0.23
(3,1461)	1:B:149:LYS:HG2	1:A:149:LYS:HA	10	0.23
(3,1461)	1:B:149:LYS:HG2	1:B:149:LYS:HA	10	0.23
(3,1437)	1:A:167:LYS:HB3	1:A:164:GLU:HA	2	0.23
(3,1437)	1:A:167:LYS:HB3	1:A:193:PHE:HA	2	0.23
(3,1437)	1:A:167:LYS:HB3	1:A:209:LYS:HA	2	0.23
(3,1437)	1:A:167:LYS:HB3	1:B:164:GLU:HA	2	0.23
(3,1437)	1:A:192:ILE:HG21	1:A:164:GLU:HA	2	0.23
(3,1437)	1:A:192:ILE:HG21	1:A:193:PHE:HA	2	0.23
(3,1437)	1:A:192:ILE:HG21	1:A:209:LYS:HA	2	0.23
(3,1437)	1:A:192:ILE:HG21	1:B:164:GLU:HA	2	0.23
(3,1437)	1:A:192:ILE:HG22	1:A:164:GLU:HA	2	0.23
(3,1437)	1:A:192:ILE:HG22	1:A:193:PHE:HA	2	0.23
(3,1437)	1:A:192:ILE:HG22	1:A:209:LYS:HA	2	0.23
(3,1437)	1:A:192:ILE:HG22	1:B:164:GLU:HA	2	0.23
(3,1437)	1:A:192:ILE:HG23	1:A:164:GLU:HA	2	0.23
(3,1437)	1:A:192:ILE:HG23	1:A:193:PHE:HA	2	0.23
(3,1437)	1:A:192:ILE:HG23	1:A:209:LYS:HA	2	0.23
(3,1437)	1:A:192:ILE:HG23	1:B:164:GLU:HA	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1437)	1:A:208:ALA:HB1	1:A:164:GLU:HA	2	0.23
(3,1437)	1:A:208:ALA:HB1	1:A:193:PHE:HA	2	0.23
(3,1437)	1:A:208:ALA:HB1	1:A:209:LYS:HA	2	0.23
(3,1437)	1:A:208:ALA:HB1	1:B:164:GLU:HA	2	0.23
(3,1437)	1:A:208:ALA:HB2	1:A:164:GLU:HA	2	0.23
(3,1437)	1:A:208:ALA:HB2	1:A:193:PHE:HA	2	0.23
(3,1437)	1:A:208:ALA:HB2	1:A:209:LYS:HA	2	0.23
(3,1437)	1:A:208:ALA:HB2	1:B:164:GLU:HA	2	0.23
(3,1437)	1:A:208:ALA:HB3	1:A:164:GLU:HA	2	0.23
(3,1437)	1:A:208:ALA:HB3	1:A:193:PHE:HA	2	0.23
(3,1437)	1:A:208:ALA:HB3	1:A:209:LYS:HA	2	0.23
(3,1437)	1:A:208:ALA:HB3	1:B:164:GLU:HA	2	0.23
(3,1437)	1:B:167:LYS:HB3	1:A:164:GLU:HA	2	0.23
(3,1437)	1:B:167:LYS:HB3	1:A:193:PHE:HA	2	0.23
(3,1437)	1:B:167:LYS:HB3	1:A:209:LYS:HA	2	0.23
(3,1437)	1:B:167:LYS:HB3	1:B:164:GLU:HA	2	0.23
(3,1401)	1:A:154:LEU:HG	1:A:159:CYS:HA	6	0.23
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB2	6	0.23
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB3	6	0.23
(3,1401)	1:A:154:LEU:HG	1:B:159:CYS:HA	6	0.23
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB2	6	0.23
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB3	6	0.23
(3,1401)	1:A:162:LEU:HB2	1:A:159:CYS:HA	6	0.23
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB2	6	0.23
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB3	6	0.23
(3,1401)	1:A:162:LEU:HB2	1:B:159:CYS:HA	6	0.23
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB2	6	0.23
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB3	6	0.23
(3,1401)	1:A:162:LEU:HD11	1:A:159:CYS:HA	6	0.23
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB2	6	0.23
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB3	6	0.23
(3,1401)	1:A:162:LEU:HD11	1:B:159:CYS:HA	6	0.23
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB2	6	0.23
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB3	6	0.23
(3,1401)	1:A:162:LEU:HD12	1:A:159:CYS:HA	6	0.23
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB2	6	0.23
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB3	6	0.23
(3,1401)	1:A:162:LEU:HD12	1:B:159:CYS:HA	6	0.23
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB2	6	0.23
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB3	6	0.23
(3,1401)	1:A:162:LEU:HD13	1:A:159:CYS:HA	6	0.23
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB2	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB3	6	0.23
(3,1401)	1:A:162:LEU:HD13	1:B:159:CYS:HA	6	0.23
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB2	6	0.23
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB3	6	0.23
(3,1401)	1:A:162:LEU:HD21	1:A:159:CYS:HA	6	0.23
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB2	6	0.23
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB3	6	0.23
(3,1401)	1:A:162:LEU:HD21	1:B:159:CYS:HA	6	0.23
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB2	6	0.23
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB3	6	0.23
(3,1401)	1:A:162:LEU:HD22	1:A:159:CYS:HA	6	0.23
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB2	6	0.23
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB3	6	0.23
(3,1401)	1:A:162:LEU:HD22	1:B:159:CYS:HA	6	0.23
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB2	6	0.23
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB3	6	0.23
(3,1401)	1:A:162:LEU:HD23	1:A:159:CYS:HA	6	0.23
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB2	6	0.23
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB3	6	0.23
(3,1401)	1:A:162:LEU:HD23	1:B:159:CYS:HA	6	0.23
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB2	6	0.23
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB3	6	0.23
(3,1401)	1:A:180:LEU:HB2	1:A:159:CYS:HA	6	0.23
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB2	6	0.23
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB3	6	0.23
(3,1401)	1:A:180:LEU:HB2	1:B:159:CYS:HA	6	0.23
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB2	6	0.23
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB3	6	0.23
(3,1401)	1:A:182:LYS:HG2	1:A:159:CYS:HA	6	0.23
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB2	6	0.23
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB3	6	0.23
(3,1401)	1:A:182:LYS:HG2	1:B:159:CYS:HA	6	0.23
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB2	6	0.23
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB3	6	0.23
(3,1401)	1:A:183:ARG:HG2	1:A:159:CYS:HA	6	0.23
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB2	6	0.23
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB3	6	0.23
(3,1401)	1:A:183:ARG:HG2	1:B:159:CYS:HA	6	0.23
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB2	6	0.23
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB3	6	0.23
(3,1401)	1:B:154:LEU:HG	1:A:159:CYS:HA	6	0.23
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB2	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB3	6	0.23
(3,1401)	1:B:154:LEU:HG	1:B:159:CYS:HA	6	0.23
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB2	6	0.23
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB3	6	0.23
(3,1401)	1:B:162:LEU:HB2	1:A:159:CYS:HA	6	0.23
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB2	6	0.23
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB3	6	0.23
(3,1401)	1:B:162:LEU:HB2	1:B:159:CYS:HA	6	0.23
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB2	6	0.23
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB3	6	0.23
(3,1401)	1:B:180:LEU:HB2	1:A:159:CYS:HA	6	0.23
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB2	6	0.23
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB3	6	0.23
(3,1401)	1:B:180:LEU:HB2	1:B:159:CYS:HA	6	0.23
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB2	6	0.23
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB3	6	0.23
(3,1401)	1:B:182:LYS:HG2	1:A:159:CYS:HA	6	0.23
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB2	6	0.23
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB3	6	0.23
(3,1401)	1:B:182:LYS:HG2	1:B:159:CYS:HA	6	0.23
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB2	6	0.23
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB3	6	0.23
(3,1401)	1:B:183:ARG:HG2	1:A:159:CYS:HA	6	0.23
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB2	6	0.23
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB3	6	0.23
(3,1401)	1:B:183:ARG:HG2	1:B:159:CYS:HA	6	0.23
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB2	6	0.23
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB3	6	0.23
(3,1367)	1:B:151:GLN:HA	1:B:154:LEU:HG	5	0.23
(3,1367)	1:B:151:GLN:HA	1:B:196:LEU:HG	5	0.23
(3,1159)	1:A:164:GLU:HG2	1:A:174:ILE:H	8	0.23
(3,1159)	1:A:164:GLU:HG2	1:B:174:ILE:H	8	0.23
(3,1159)	1:A:169:PHE:HB2	1:A:174:ILE:H	8	0.23
(3,1159)	1:A:169:PHE:HB2	1:B:174:ILE:H	8	0.23
(3,1159)	1:A:176:ASP:HB2	1:A:174:ILE:H	8	0.23
(3,1159)	1:A:176:ASP:HB2	1:B:174:ILE:H	8	0.23
(3,1159)	1:B:169:PHE:HB2	1:A:174:ILE:H	8	0.23
(3,1159)	1:B:169:PHE:HB2	1:B:174:ILE:H	8	0.23
(1,923)	1:A:163:GLN:H	1:A:164:GLU:HG3	2	0.23
(1,836)	1:A:171:ASN:H	1:A:172:GLN:HB3	3	0.23
(1,713)	1:B:179:HIS:H	1:B:181:SER:HA	7	0.23
(1,712)	1:A:179:HIS:H	1:A:181:SER:HA	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,242)	1:A:152:ASP:H	1:A:154:LEU:HA	3	0.23
(1,1886)	1:B:154:LEU:HB2	1:B:157:ARG:HA	8	0.23
(1,1886)	1:B:154:LEU:HB2	1:B:162:LEU:HA	8	0.23
(1,1886)	1:B:154:LEU:HB3	1:B:157:ARG:HA	8	0.23
(1,1886)	1:B:154:LEU:HB3	1:B:162:LEU:HA	8	0.23
(1,1855)	1:A:168:GLY:HA3	1:A:205:VAL:H	5	0.23
(1,1855)	1:A:168:GLY:HA3	1:B:205:VAL:H	5	0.23
(1,1855)	1:A:189:LEU:HA	1:A:205:VAL:H	5	0.23
(1,1855)	1:A:189:LEU:HA	1:B:205:VAL:H	5	0.23
(1,1855)	1:B:168:GLY:HA3	1:A:205:VAL:H	5	0.23
(1,1855)	1:B:168:GLY:HA3	1:B:205:VAL:H	5	0.23
(1,1855)	1:B:189:LEU:HA	1:A:205:VAL:H	5	0.23
(1,1855)	1:B:189:LEU:HA	1:B:205:VAL:H	5	0.23
(1,1855)	1:B:193:PHE:HB2	1:A:205:VAL:H	5	0.23
(1,1855)	1:B:193:PHE:HB2	1:B:205:VAL:H	5	0.23
(1,1832)	1:A:151:GLN:HA	1:A:160:LEU:H	3	0.23
(1,1832)	1:A:151:GLN:HA	1:B:160:LEU:H	3	0.23
(1,1832)	1:A:164:GLU:HA	1:A:160:LEU:H	3	0.23
(1,1832)	1:A:164:GLU:HA	1:B:160:LEU:H	3	0.23
(1,1832)	1:A:171:ASN:HA	1:A:160:LEU:H	3	0.23
(1,1832)	1:A:171:ASN:HA	1:B:160:LEU:H	3	0.23
(1,1832)	1:A:178:LEU:HA	1:A:160:LEU:H	3	0.23
(1,1832)	1:A:178:LEU:HA	1:B:160:LEU:H	3	0.23
(1,1832)	1:A:188:SER:HA	1:A:160:LEU:H	3	0.23
(1,1832)	1:A:188:SER:HA	1:B:160:LEU:H	3	0.23
(1,1832)	1:A:205:VAL:HA	1:A:160:LEU:H	3	0.23
(1,1832)	1:A:205:VAL:HA	1:B:160:LEU:H	3	0.23
(1,1832)	1:B:151:GLN:HA	1:A:160:LEU:H	3	0.23
(1,1832)	1:B:151:GLN:HA	1:B:160:LEU:H	3	0.23
(1,1832)	1:B:164:GLU:HA	1:A:160:LEU:H	3	0.23
(1,1832)	1:B:164:GLU:HA	1:B:160:LEU:H	3	0.23
(1,1832)	1:B:171:ASN:HA	1:A:160:LEU:H	3	0.23
(1,1832)	1:B:171:ASN:HA	1:B:160:LEU:H	3	0.23
(1,1832)	1:B:178:LEU:HA	1:A:160:LEU:H	3	0.23
(1,1832)	1:B:178:LEU:HA	1:B:160:LEU:H	3	0.23
(1,1832)	1:B:188:SER:HA	1:A:160:LEU:H	3	0.23
(1,1832)	1:B:188:SER:HA	1:B:160:LEU:H	3	0.23
(1,1800)	1:A:177:ALA:H	1:A:168:GLY:H	4	0.23
(1,1800)	1:A:177:ALA:H	1:B:168:GLY:H	4	0.23
(1,1800)	1:A:202:THR:H	1:A:168:GLY:H	4	0.23
(1,1800)	1:A:202:THR:H	1:B:168:GLY:H	4	0.23
(1,1800)	1:B:177:ALA:H	1:A:168:GLY:H	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:B:177:ALA:H	1:B:168:GLY:H	4	0.23
(1,1800)	1:B:202:THR:H	1:A:168:GLY:H	4	0.23
(1,1800)	1:B:202:THR:H	1:B:168:GLY:H	4	0.23
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD2	6	0.23
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD3	6	0.23
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD2	6	0.23
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD3	6	0.23
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD2	6	0.23
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD3	6	0.23
(3,998)	1:A:168:GLY:HA3	1:A:168:GLY:H	1	0.22
(3,998)	1:A:168:GLY:HA3	1:B:168:GLY:H	1	0.22
(3,998)	1:B:168:GLY:HA3	1:A:168:GLY:H	1	0.22
(3,998)	1:B:168:GLY:HA3	1:B:168:GLY:H	1	0.22
(3,998)	1:A:168:GLY:HA3	1:A:168:GLY:H	2	0.22
(3,998)	1:A:168:GLY:HA3	1:B:168:GLY:H	2	0.22
(3,998)	1:B:168:GLY:HA3	1:A:168:GLY:H	2	0.22
(3,998)	1:B:168:GLY:HA3	1:B:168:GLY:H	2	0.22
(3,998)	1:A:168:GLY:HA3	1:A:168:GLY:H	3	0.22
(3,998)	1:A:168:GLY:HA3	1:B:168:GLY:H	3	0.22
(3,998)	1:B:168:GLY:HA3	1:A:168:GLY:H	3	0.22
(3,998)	1:B:168:GLY:HA3	1:B:168:GLY:H	3	0.22
(3,998)	1:A:168:GLY:HA3	1:A:168:GLY:H	4	0.22
(3,998)	1:A:168:GLY:HA3	1:B:168:GLY:H	4	0.22
(3,998)	1:B:168:GLY:HA3	1:A:168:GLY:H	4	0.22
(3,998)	1:B:168:GLY:HA3	1:B:168:GLY:H	4	0.22
(3,998)	1:A:168:GLY:HA3	1:A:168:GLY:H	6	0.22
(3,998)	1:A:168:GLY:HA3	1:B:168:GLY:H	6	0.22
(3,998)	1:B:168:GLY:HA3	1:A:168:GLY:H	6	0.22
(3,998)	1:B:168:GLY:HA3	1:B:168:GLY:H	6	0.22
(3,998)	1:A:168:GLY:HA3	1:A:168:GLY:H	7	0.22
(3,998)	1:A:168:GLY:HA3	1:B:168:GLY:H	7	0.22
(3,998)	1:B:168:GLY:HA3	1:A:168:GLY:H	7	0.22
(3,998)	1:B:168:GLY:HA3	1:B:168:GLY:H	7	0.22
(3,998)	1:A:168:GLY:HA3	1:A:168:GLY:H	10	0.22
(3,998)	1:A:168:GLY:HA3	1:B:168:GLY:H	10	0.22
(3,998)	1:B:168:GLY:HA3	1:A:168:GLY:H	10	0.22
(3,998)	1:B:168:GLY:HA3	1:B:168:GLY:H	10	0.22
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG11	8	0.22
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG12	8	0.22
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG13	8	0.22
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG11	10	0.22
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG12	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG13	10	0.22
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG11	10	0.22
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG12	10	0.22
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG13	10	0.22
(3,951)	1:A:157:ARG:HB2	1:A:159:CYS:H	8	0.22
(3,951)	1:A:157:ARG:HB2	1:B:159:CYS:H	8	0.22
(3,951)	1:A:158:GLU:HG3	1:A:159:CYS:H	8	0.22
(3,951)	1:A:158:GLU:HG3	1:B:159:CYS:H	8	0.22
(3,951)	1:B:157:ARG:HB2	1:A:159:CYS:H	8	0.22
(3,951)	1:B:157:ARG:HB2	1:B:159:CYS:H	8	0.22
(3,951)	1:B:158:GLU:HG3	1:A:159:CYS:H	8	0.22
(3,951)	1:B:158:GLU:HG3	1:B:159:CYS:H	8	0.22
(3,887)	1:A:151:GLN:HG2	1:A:151:GLN:H	1	0.22
(3,887)	1:A:151:GLN:HG2	1:B:151:GLN:H	1	0.22
(3,887)	1:B:151:GLN:HG2	1:A:151:GLN:H	1	0.22
(3,887)	1:B:151:GLN:HG2	1:B:151:GLN:H	1	0.22
(3,574)	1:B:162:LEU:HG	1:B:166:GLU:HB3	1	0.22
(3,574)	1:B:162:LEU:HG	1:B:166:GLU:HB3	4	0.22
(3,574)	1:B:162:LEU:HG	1:B:166:GLU:HB3	9	0.22
(3,573)	1:A:162:LEU:HG	1:A:166:GLU:HB3	4	0.22
(3,573)	1:A:162:LEU:HG	1:A:166:GLU:HB3	5	0.22
(3,573)	1:A:162:LEU:HG	1:A:166:GLU:HB3	6	0.22
(3,573)	1:A:162:LEU:HG	1:A:166:GLU:HB3	10	0.22
(3,570)	1:B:178:LEU:HD11	1:B:157:ARG:HD2	3	0.22
(3,570)	1:B:178:LEU:HD11	1:B:157:ARG:HD3	3	0.22
(3,570)	1:B:178:LEU:HD12	1:B:157:ARG:HD2	3	0.22
(3,570)	1:B:178:LEU:HD12	1:B:157:ARG:HD3	3	0.22
(3,570)	1:B:178:LEU:HD13	1:B:157:ARG:HD2	3	0.22
(3,570)	1:B:178:LEU:HD13	1:B:157:ARG:HD3	3	0.22
(3,569)	1:A:178:LEU:HD11	1:A:157:ARG:HD2	4	0.22
(3,569)	1:A:178:LEU:HD11	1:A:157:ARG:HD3	4	0.22
(3,569)	1:A:178:LEU:HD12	1:A:157:ARG:HD2	4	0.22
(3,569)	1:A:178:LEU:HD12	1:A:157:ARG:HD3	4	0.22
(3,569)	1:A:178:LEU:HD13	1:A:157:ARG:HD2	4	0.22
(3,569)	1:A:178:LEU:HD13	1:A:157:ARG:HD3	4	0.22
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG21	1	0.22
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG22	1	0.22
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG23	1	0.22
(3,1488)	1:A:189:LEU:HG	1:A:201:ARG:HD2	6	0.22
(3,1488)	1:A:189:LEU:HG	1:B:201:ARG:HD2	6	0.22
(3,1488)	1:A:201:ARG:HB3	1:A:201:ARG:HD2	6	0.22
(3,1488)	1:A:201:ARG:HB3	1:B:201:ARG:HD2	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1488)	1:B:201:ARG:HB3	1:A:201:ARG:HD2	6	0.22
(3,1488)	1:B:201:ARG:HB3	1:B:201:ARG:HD2	6	0.22
(3,1441)	1:A:172:GLN:HG3	1:A:172:GLN:HA	3	0.22
(3,1441)	1:A:172:GLN:HG3	1:B:172:GLN:HA	3	0.22
(3,1441)	1:B:172:GLN:HG3	1:A:172:GLN:HA	3	0.22
(3,1441)	1:B:172:GLN:HG3	1:B:172:GLN:HA	3	0.22
(3,1401)	1:A:154:LEU:HG	1:A:159:CYS:HA	3	0.22
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB2	3	0.22
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB3	3	0.22
(3,1401)	1:A:154:LEU:HG	1:B:159:CYS:HA	3	0.22
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB2	3	0.22
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB3	3	0.22
(3,1401)	1:A:162:LEU:HB2	1:A:159:CYS:HA	3	0.22
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB2	3	0.22
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB3	3	0.22
(3,1401)	1:A:162:LEU:HB2	1:B:159:CYS:HA	3	0.22
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB2	3	0.22
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB3	3	0.22
(3,1401)	1:A:162:LEU:HD11	1:A:159:CYS:HA	3	0.22
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB2	3	0.22
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB3	3	0.22
(3,1401)	1:A:162:LEU:HD11	1:B:159:CYS:HA	3	0.22
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB2	3	0.22
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB3	3	0.22
(3,1401)	1:A:162:LEU:HD12	1:A:159:CYS:HA	3	0.22
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB2	3	0.22
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB3	3	0.22
(3,1401)	1:A:162:LEU:HD12	1:B:159:CYS:HA	3	0.22
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB2	3	0.22
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB3	3	0.22
(3,1401)	1:A:162:LEU:HD13	1:A:159:CYS:HA	3	0.22
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB2	3	0.22
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB3	3	0.22
(3,1401)	1:A:162:LEU:HD13	1:B:159:CYS:HA	3	0.22
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB2	3	0.22
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB3	3	0.22
(3,1401)	1:A:162:LEU:HD21	1:A:159:CYS:HA	3	0.22
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB2	3	0.22
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB3	3	0.22
(3,1401)	1:A:162:LEU:HD21	1:B:159:CYS:HA	3	0.22
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB2	3	0.22
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB3	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:A:162:LEU:HD22	1:A:159:CYS:HA	3	0.22
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB2	3	0.22
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB3	3	0.22
(3,1401)	1:A:162:LEU:HD22	1:B:159:CYS:HA	3	0.22
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB2	3	0.22
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB3	3	0.22
(3,1401)	1:A:162:LEU:HD23	1:A:159:CYS:HA	3	0.22
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB2	3	0.22
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB3	3	0.22
(3,1401)	1:A:162:LEU:HD23	1:B:159:CYS:HA	3	0.22
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB2	3	0.22
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB3	3	0.22
(3,1401)	1:A:180:LEU:HB2	1:A:159:CYS:HA	3	0.22
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB2	3	0.22
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB3	3	0.22
(3,1401)	1:A:180:LEU:HB2	1:B:159:CYS:HA	3	0.22
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB2	3	0.22
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB3	3	0.22
(3,1401)	1:A:182:LYS:HG2	1:A:159:CYS:HA	3	0.22
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB2	3	0.22
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB3	3	0.22
(3,1401)	1:A:182:LYS:HG2	1:B:159:CYS:HA	3	0.22
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB2	3	0.22
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB3	3	0.22
(3,1401)	1:A:183:ARG:HG2	1:A:159:CYS:HA	3	0.22
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB2	3	0.22
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB3	3	0.22
(3,1401)	1:A:183:ARG:HG2	1:B:159:CYS:HA	3	0.22
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB2	3	0.22
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB3	3	0.22
(3,1401)	1:B:154:LEU:HG	1:A:159:CYS:HA	3	0.22
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB2	3	0.22
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB3	3	0.22
(3,1401)	1:B:154:LEU:HG	1:B:159:CYS:HA	3	0.22
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB2	3	0.22
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB3	3	0.22
(3,1401)	1:B:162:LEU:HB2	1:A:159:CYS:HA	3	0.22
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB2	3	0.22
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB3	3	0.22
(3,1401)	1:B:162:LEU:HB2	1:B:159:CYS:HA	3	0.22
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB2	3	0.22
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB3	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:B:180:LEU:HB2	1:A:159:CYS:HA	3	0.22
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB2	3	0.22
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB3	3	0.22
(3,1401)	1:B:180:LEU:HB2	1:B:159:CYS:HA	3	0.22
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB2	3	0.22
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB3	3	0.22
(3,1401)	1:B:182:LYS:HG2	1:A:159:CYS:HA	3	0.22
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB2	3	0.22
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB3	3	0.22
(3,1401)	1:B:182:LYS:HG2	1:B:159:CYS:HA	3	0.22
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB2	3	0.22
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB3	3	0.22
(3,1401)	1:B:183:ARG:HG2	1:A:159:CYS:HA	3	0.22
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB2	3	0.22
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB3	3	0.22
(3,1401)	1:B:183:ARG:HG2	1:B:159:CYS:HA	3	0.22
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB2	3	0.22
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB3	3	0.22
(3,1401)	1:A:154:LEU:HG	1:A:159:CYS:HA	9	0.22
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB2	9	0.22
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB3	9	0.22
(3,1401)	1:A:154:LEU:HG	1:B:159:CYS:HA	9	0.22
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB2	9	0.22
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB3	9	0.22
(3,1401)	1:A:162:LEU:HB2	1:A:159:CYS:HA	9	0.22
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB2	9	0.22
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB3	9	0.22
(3,1401)	1:A:162:LEU:HB2	1:B:159:CYS:HA	9	0.22
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB2	9	0.22
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB3	9	0.22
(3,1401)	1:A:162:LEU:HD11	1:A:159:CYS:HA	9	0.22
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB2	9	0.22
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB3	9	0.22
(3,1401)	1:A:162:LEU:HD11	1:B:159:CYS:HA	9	0.22
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB2	9	0.22
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB3	9	0.22
(3,1401)	1:A:162:LEU:HD12	1:A:159:CYS:HA	9	0.22
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB2	9	0.22
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB3	9	0.22
(3,1401)	1:A:162:LEU:HD12	1:B:159:CYS:HA	9	0.22
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB2	9	0.22
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB3	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:A:162:LEU:HD13	1:A:159:CYS:HA	9	0.22
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB2	9	0.22
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB3	9	0.22
(3,1401)	1:A:162:LEU:HD13	1:B:159:CYS:HA	9	0.22
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB2	9	0.22
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB3	9	0.22
(3,1401)	1:A:162:LEU:HD21	1:A:159:CYS:HA	9	0.22
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB2	9	0.22
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB3	9	0.22
(3,1401)	1:A:162:LEU:HD21	1:B:159:CYS:HA	9	0.22
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB2	9	0.22
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB3	9	0.22
(3,1401)	1:A:162:LEU:HD22	1:A:159:CYS:HA	9	0.22
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB2	9	0.22
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB3	9	0.22
(3,1401)	1:A:162:LEU:HD22	1:B:159:CYS:HA	9	0.22
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB2	9	0.22
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB3	9	0.22
(3,1401)	1:A:162:LEU:HD23	1:A:159:CYS:HA	9	0.22
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB2	9	0.22
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB3	9	0.22
(3,1401)	1:A:162:LEU:HD23	1:B:159:CYS:HA	9	0.22
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB2	9	0.22
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB3	9	0.22
(3,1401)	1:A:180:LEU:HB2	1:A:159:CYS:HA	9	0.22
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB2	9	0.22
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB3	9	0.22
(3,1401)	1:A:180:LEU:HB2	1:B:159:CYS:HA	9	0.22
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB2	9	0.22
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB3	9	0.22
(3,1401)	1:A:182:LYS:HG2	1:A:159:CYS:HA	9	0.22
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB2	9	0.22
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB3	9	0.22
(3,1401)	1:A:182:LYS:HG2	1:B:159:CYS:HA	9	0.22
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB2	9	0.22
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB3	9	0.22
(3,1401)	1:A:183:ARG:HG2	1:A:159:CYS:HA	9	0.22
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB2	9	0.22
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB3	9	0.22
(3,1401)	1:A:183:ARG:HG2	1:B:159:CYS:HA	9	0.22
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB2	9	0.22
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB3	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:B:154:LEU:HG	1:A:159:CYS:HA	9	0.22
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB2	9	0.22
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB3	9	0.22
(3,1401)	1:B:154:LEU:HG	1:B:159:CYS:HA	9	0.22
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB2	9	0.22
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB3	9	0.22
(3,1401)	1:B:162:LEU:HB2	1:A:159:CYS:HA	9	0.22
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB2	9	0.22
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB3	9	0.22
(3,1401)	1:B:162:LEU:HB2	1:B:159:CYS:HA	9	0.22
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB2	9	0.22
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB3	9	0.22
(3,1401)	1:B:180:LEU:HB2	1:A:159:CYS:HA	9	0.22
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB2	9	0.22
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB3	9	0.22
(3,1401)	1:B:180:LEU:HB2	1:B:159:CYS:HA	9	0.22
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB2	9	0.22
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB3	9	0.22
(3,1401)	1:B:182:LYS:HG2	1:A:159:CYS:HA	9	0.22
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB2	9	0.22
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB3	9	0.22
(3,1401)	1:B:182:LYS:HG2	1:B:159:CYS:HA	9	0.22
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB2	9	0.22
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB3	9	0.22
(3,1401)	1:B:183:ARG:HG2	1:A:159:CYS:HA	9	0.22
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB2	9	0.22
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB3	9	0.22
(3,1401)	1:B:183:ARG:HG2	1:B:159:CYS:HA	9	0.22
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB2	9	0.22
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB3	9	0.22
(3,1103)	1:A:195:LYS:HE2	1:A:193:PHE:H	6	0.22
(3,1103)	1:A:195:LYS:HE2	1:B:193:PHE:H	6	0.22
(3,1103)	1:B:195:LYS:HE2	1:A:193:PHE:H	6	0.22
(3,1103)	1:B:195:LYS:HE2	1:B:193:PHE:H	6	0.22
(2,83)	1:B:201:ARG:O	1:B:205:VAL:H	5	0.22
(1,923)	1:A:163:GLN:H	1:A:164:GLU:HG3	6	0.22
(1,713)	1:B:179:HIS:H	1:B:181:SER:HA	1	0.22
(1,713)	1:B:179:HIS:H	1:B:181:SER:HA	2	0.22
(1,713)	1:B:179:HIS:H	1:B:181:SER:HA	6	0.22
(1,712)	1:A:179:HIS:H	1:A:181:SER:HA	9	0.22
(1,243)	1:B:152:ASP:H	1:B:154:LEU:HA	9	0.22
(1,1855)	1:A:168:GLY:HA3	1:A:205:VAL:H	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1855)	1:A:168:GLY:HA3	1:B:205:VAL:H	3	0.22
(1,1855)	1:A:189:LEU:HA	1:A:205:VAL:H	3	0.22
(1,1855)	1:A:189:LEU:HA	1:B:205:VAL:H	3	0.22
(1,1855)	1:B:168:GLY:HA3	1:A:205:VAL:H	3	0.22
(1,1855)	1:B:168:GLY:HA3	1:B:205:VAL:H	3	0.22
(1,1855)	1:B:189:LEU:HA	1:A:205:VAL:H	3	0.22
(1,1855)	1:B:189:LEU:HA	1:B:205:VAL:H	3	0.22
(1,1855)	1:B:193:PHE:HB2	1:A:205:VAL:H	3	0.22
(1,1855)	1:B:193:PHE:HB2	1:B:205:VAL:H	3	0.22
(1,1855)	1:A:168:GLY:HA3	1:A:205:VAL:H	10	0.22
(1,1855)	1:A:168:GLY:HA3	1:B:205:VAL:H	10	0.22
(1,1855)	1:A:189:LEU:HA	1:A:205:VAL:H	10	0.22
(1,1855)	1:A:189:LEU:HA	1:B:205:VAL:H	10	0.22
(1,1855)	1:B:168:GLY:HA3	1:A:205:VAL:H	10	0.22
(1,1855)	1:B:168:GLY:HA3	1:B:205:VAL:H	10	0.22
(1,1855)	1:B:189:LEU:HA	1:A:205:VAL:H	10	0.22
(1,1855)	1:B:189:LEU:HA	1:B:205:VAL:H	10	0.22
(1,1855)	1:B:193:PHE:HB2	1:A:205:VAL:H	10	0.22
(1,1855)	1:B:193:PHE:HB2	1:B:205:VAL:H	10	0.22
(1,1832)	1:A:151:GLN:HA	1:A:160:LEU:H	10	0.22
(1,1832)	1:A:151:GLN:HA	1:B:160:LEU:H	10	0.22
(1,1832)	1:A:164:GLU:HA	1:A:160:LEU:H	10	0.22
(1,1832)	1:A:164:GLU:HA	1:B:160:LEU:H	10	0.22
(1,1832)	1:A:171:ASN:HA	1:A:160:LEU:H	10	0.22
(1,1832)	1:A:171:ASN:HA	1:B:160:LEU:H	10	0.22
(1,1832)	1:A:178:LEU:HA	1:A:160:LEU:H	10	0.22
(1,1832)	1:A:178:LEU:HA	1:B:160:LEU:H	10	0.22
(1,1832)	1:A:188:SER:HA	1:A:160:LEU:H	10	0.22
(1,1832)	1:A:188:SER:HA	1:B:160:LEU:H	10	0.22
(1,1832)	1:A:205:VAL:HA	1:A:160:LEU:H	10	0.22
(1,1832)	1:A:205:VAL:HA	1:B:160:LEU:H	10	0.22
(1,1832)	1:B:151:GLN:HA	1:A:160:LEU:H	10	0.22
(1,1832)	1:B:151:GLN:HA	1:B:160:LEU:H	10	0.22
(1,1832)	1:B:164:GLU:HA	1:A:160:LEU:H	10	0.22
(1,1832)	1:B:164:GLU:HA	1:B:160:LEU:H	10	0.22
(1,1832)	1:B:171:ASN:HA	1:A:160:LEU:H	10	0.22
(1,1832)	1:B:171:ASN:HA	1:B:160:LEU:H	10	0.22
(1,1832)	1:B:178:LEU:HA	1:A:160:LEU:H	10	0.22
(1,1832)	1:B:178:LEU:HA	1:B:160:LEU:H	10	0.22
(1,1832)	1:B:188:SER:HA	1:A:160:LEU:H	10	0.22
(1,1832)	1:B:188:SER:HA	1:B:160:LEU:H	10	0.22
(1,1800)	1:A:177:ALA:H	1:A:168:GLY:H	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:A:177:ALA:H	1:B:168:GLY:H	7	0.22
(1,1800)	1:A:202:THR:H	1:A:168:GLY:H	7	0.22
(1,1800)	1:A:202:THR:H	1:B:168:GLY:H	7	0.22
(1,1800)	1:B:177:ALA:H	1:A:168:GLY:H	7	0.22
(1,1800)	1:B:177:ALA:H	1:B:168:GLY:H	7	0.22
(1,1800)	1:B:202:THR:H	1:A:168:GLY:H	7	0.22
(1,1800)	1:B:202:THR:H	1:B:168:GLY:H	7	0.22
(1,1763)	1:A:211:ASP:HA	1:A:146:SER:H	8	0.22
(1,1763)	1:A:211:ASP:HA	1:A:209:LYS:H	8	0.22
(1,1763)	1:A:211:ASP:HA	1:B:146:SER:H	8	0.22
(1,1763)	1:A:211:ASP:HA	1:B:209:LYS:H	8	0.22
(1,1763)	1:B:211:ASP:HA	1:A:146:SER:H	8	0.22
(1,1763)	1:B:211:ASP:HA	1:A:209:LYS:H	8	0.22
(1,1763)	1:B:211:ASP:HA	1:B:146:SER:H	8	0.22
(1,1763)	1:B:211:ASP:HA	1:B:209:LYS:H	8	0.22
(1,152)	1:B:175:ALA:H	1:B:186:GLU:H	3	0.22
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD2	7	0.22
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD3	7	0.22
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD2	7	0.22
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD3	7	0.22
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD2	7	0.22
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD3	7	0.22
(1,1252)	1:A:151:GLN:HA	1:A:149:LYS:HE2	5	0.22
(1,1252)	1:A:151:GLN:HA	1:A:149:LYS:HE3	5	0.22
(3,853)	1:A:149:LYS:HE3	1:A:152:ASP:H	3	0.21
(3,853)	1:A:149:LYS:HE3	1:B:152:ASP:H	3	0.21
(3,853)	1:A:151:GLN:HG2	1:A:152:ASP:H	3	0.21
(3,853)	1:A:151:GLN:HG2	1:B:152:ASP:H	3	0.21
(3,853)	1:B:149:LYS:HE3	1:A:152:ASP:H	3	0.21
(3,853)	1:B:149:LYS:HE3	1:B:152:ASP:H	3	0.21
(3,853)	1:B:151:GLN:HG2	1:A:152:ASP:H	3	0.21
(3,853)	1:B:151:GLN:HG2	1:B:152:ASP:H	3	0.21
(3,716)	1:A:149:LYS:HB2	1:A:153:VAL:HB	4	0.21
(3,716)	1:A:149:LYS:HB3	1:A:153:VAL:HB	4	0.21
(3,639)	1:B:166:GLU:HG2	1:B:162:LEU:HG	10	0.21
(3,574)	1:B:162:LEU:HG	1:B:166:GLU:HB3	5	0.21
(3,574)	1:B:162:LEU:HG	1:B:166:GLU:HB3	7	0.21
(3,573)	1:A:162:LEU:HG	1:A:166:GLU:HB3	3	0.21
(3,573)	1:A:162:LEU:HG	1:A:166:GLU:HB3	8	0.21
(3,545)	1:A:151:GLN:HB3	1:A:151:GLN:HA	2	0.21
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG11	10	0.21
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG12	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG13	10	0.21
(3,47)	1:B:210:SER:H	1:B:209:LYS:HB3	10	0.21
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG21	6	0.21
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG22	6	0.21
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG23	6	0.21
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG21	9	0.21
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG22	9	0.21
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG23	9	0.21
(3,1490)	1:A:157:ARG:HB2	1:A:157:ARG:HD2	4	0.21
(3,1490)	1:A:157:ARG:HB2	1:B:157:ARG:HD2	4	0.21
(3,1490)	1:B:157:ARG:HB2	1:A:157:ARG:HD2	4	0.21
(3,1490)	1:B:157:ARG:HB2	1:B:157:ARG:HD2	4	0.21
(3,1441)	1:A:172:GLN:HG3	1:A:172:GLN:HA	6	0.21
(3,1441)	1:A:172:GLN:HG3	1:B:172:GLN:HA	6	0.21
(3,1441)	1:B:172:GLN:HG3	1:A:172:GLN:HA	6	0.21
(3,1441)	1:B:172:GLN:HG3	1:B:172:GLN:HA	6	0.21
(3,1437)	1:A:167:LYS:HB3	1:A:164:GLU:HA	6	0.21
(3,1437)	1:A:167:LYS:HB3	1:A:193:PHE:HA	6	0.21
(3,1437)	1:A:167:LYS:HB3	1:A:209:LYS:HA	6	0.21
(3,1437)	1:A:167:LYS:HB3	1:B:164:GLU:HA	6	0.21
(3,1437)	1:A:192:ILE:HG21	1:A:164:GLU:HA	6	0.21
(3,1437)	1:A:192:ILE:HG21	1:A:193:PHE:HA	6	0.21
(3,1437)	1:A:192:ILE:HG21	1:A:209:LYS:HA	6	0.21
(3,1437)	1:A:192:ILE:HG21	1:B:164:GLU:HA	6	0.21
(3,1437)	1:A:192:ILE:HG22	1:A:164:GLU:HA	6	0.21
(3,1437)	1:A:192:ILE:HG22	1:A:193:PHE:HA	6	0.21
(3,1437)	1:A:192:ILE:HG22	1:A:209:LYS:HA	6	0.21
(3,1437)	1:A:192:ILE:HG22	1:B:164:GLU:HA	6	0.21
(3,1437)	1:A:192:ILE:HG23	1:A:164:GLU:HA	6	0.21
(3,1437)	1:A:192:ILE:HG23	1:A:193:PHE:HA	6	0.21
(3,1437)	1:A:192:ILE:HG23	1:A:209:LYS:HA	6	0.21
(3,1437)	1:A:192:ILE:HG23	1:B:164:GLU:HA	6	0.21
(3,1437)	1:A:208:ALA:HB1	1:A:164:GLU:HA	6	0.21
(3,1437)	1:A:208:ALA:HB1	1:A:193:PHE:HA	6	0.21
(3,1437)	1:A:208:ALA:HB1	1:A:209:LYS:HA	6	0.21
(3,1437)	1:A:208:ALA:HB1	1:B:164:GLU:HA	6	0.21
(3,1437)	1:A:208:ALA:HB2	1:A:164:GLU:HA	6	0.21
(3,1437)	1:A:208:ALA:HB2	1:A:193:PHE:HA	6	0.21
(3,1437)	1:A:208:ALA:HB2	1:A:209:LYS:HA	6	0.21
(3,1437)	1:A:208:ALA:HB2	1:B:164:GLU:HA	6	0.21
(3,1437)	1:A:208:ALA:HB3	1:A:164:GLU:HA	6	0.21
(3,1437)	1:A:208:ALA:HB3	1:A:193:PHE:HA	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1437)	1:A:208:ALA:HB3	1:A:209:LYS:HA	6	0.21
(3,1437)	1:A:208:ALA:HB3	1:B:164:GLU:HA	6	0.21
(3,1437)	1:B:167:LYS:HB3	1:A:164:GLU:HA	6	0.21
(3,1437)	1:B:167:LYS:HB3	1:A:193:PHE:HA	6	0.21
(3,1437)	1:B:167:LYS:HB3	1:A:209:LYS:HA	6	0.21
(3,1437)	1:B:167:LYS:HB3	1:B:164:GLU:HA	6	0.21
(3,1401)	1:A:154:LEU:HG	1:A:159:CYS:HA	1	0.21
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB2	1	0.21
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB3	1	0.21
(3,1401)	1:A:154:LEU:HG	1:B:159:CYS:HA	1	0.21
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB2	1	0.21
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB3	1	0.21
(3,1401)	1:A:162:LEU:HB2	1:A:159:CYS:HA	1	0.21
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB2	1	0.21
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB3	1	0.21
(3,1401)	1:A:162:LEU:HB2	1:B:159:CYS:HA	1	0.21
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB2	1	0.21
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB3	1	0.21
(3,1401)	1:A:162:LEU:HD11	1:A:159:CYS:HA	1	0.21
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB2	1	0.21
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB3	1	0.21
(3,1401)	1:A:162:LEU:HD11	1:B:159:CYS:HA	1	0.21
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB2	1	0.21
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB3	1	0.21
(3,1401)	1:A:162:LEU:HD12	1:A:159:CYS:HA	1	0.21
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB2	1	0.21
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB3	1	0.21
(3,1401)	1:A:162:LEU:HD12	1:B:159:CYS:HA	1	0.21
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB2	1	0.21
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB3	1	0.21
(3,1401)	1:A:162:LEU:HD13	1:A:159:CYS:HA	1	0.21
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB2	1	0.21
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB3	1	0.21
(3,1401)	1:A:162:LEU:HD13	1:B:159:CYS:HA	1	0.21
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB2	1	0.21
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB3	1	0.21
(3,1401)	1:A:162:LEU:HD21	1:A:159:CYS:HA	1	0.21
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB2	1	0.21
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB3	1	0.21
(3,1401)	1:A:162:LEU:HD21	1:B:159:CYS:HA	1	0.21
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB2	1	0.21
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB3	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:A:162:LEU:HD22	1:A:159:CYS:HA	1	0.21
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB2	1	0.21
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB3	1	0.21
(3,1401)	1:A:162:LEU:HD22	1:B:159:CYS:HA	1	0.21
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB2	1	0.21
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB3	1	0.21
(3,1401)	1:A:162:LEU:HD23	1:A:159:CYS:HA	1	0.21
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB2	1	0.21
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB3	1	0.21
(3,1401)	1:A:162:LEU:HD23	1:B:159:CYS:HA	1	0.21
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB2	1	0.21
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB3	1	0.21
(3,1401)	1:A:180:LEU:HB2	1:A:159:CYS:HA	1	0.21
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB2	1	0.21
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB3	1	0.21
(3,1401)	1:A:180:LEU:HB2	1:B:159:CYS:HA	1	0.21
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB2	1	0.21
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB3	1	0.21
(3,1401)	1:A:182:LYS:HG2	1:A:159:CYS:HA	1	0.21
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB2	1	0.21
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB3	1	0.21
(3,1401)	1:A:182:LYS:HG2	1:B:159:CYS:HA	1	0.21
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB2	1	0.21
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB3	1	0.21
(3,1401)	1:A:183:ARG:HG2	1:A:159:CYS:HA	1	0.21
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB2	1	0.21
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB3	1	0.21
(3,1401)	1:A:183:ARG:HG2	1:B:159:CYS:HA	1	0.21
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB2	1	0.21
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB3	1	0.21
(3,1401)	1:B:154:LEU:HG	1:A:159:CYS:HA	1	0.21
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB2	1	0.21
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB3	1	0.21
(3,1401)	1:B:154:LEU:HG	1:B:159:CYS:HA	1	0.21
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB2	1	0.21
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB3	1	0.21
(3,1401)	1:B:162:LEU:HB2	1:A:159:CYS:HA	1	0.21
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB2	1	0.21
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB3	1	0.21
(3,1401)	1:B:162:LEU:HB2	1:B:159:CYS:HA	1	0.21
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB2	1	0.21
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB3	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:B:180:LEU:HB2	1:A:159:CYS:HA	1	0.21
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB2	1	0.21
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB3	1	0.21
(3,1401)	1:B:180:LEU:HB2	1:B:159:CYS:HA	1	0.21
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB2	1	0.21
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB3	1	0.21
(3,1401)	1:B:182:LYS:HG2	1:A:159:CYS:HA	1	0.21
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB2	1	0.21
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB3	1	0.21
(3,1401)	1:B:182:LYS:HG2	1:B:159:CYS:HA	1	0.21
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB2	1	0.21
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB3	1	0.21
(3,1401)	1:B:183:ARG:HG2	1:A:159:CYS:HA	1	0.21
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB2	1	0.21
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB3	1	0.21
(3,1401)	1:B:183:ARG:HG2	1:B:159:CYS:HA	1	0.21
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB2	1	0.21
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB3	1	0.21
(3,1401)	1:A:154:LEU:HG	1:A:159:CYS:HA	4	0.21
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB2	4	0.21
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB3	4	0.21
(3,1401)	1:A:154:LEU:HG	1:B:159:CYS:HA	4	0.21
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB2	4	0.21
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB3	4	0.21
(3,1401)	1:A:162:LEU:HB2	1:A:159:CYS:HA	4	0.21
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB2	4	0.21
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB3	4	0.21
(3,1401)	1:A:162:LEU:HB2	1:B:159:CYS:HA	4	0.21
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB2	4	0.21
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB3	4	0.21
(3,1401)	1:A:162:LEU:HD11	1:A:159:CYS:HA	4	0.21
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB2	4	0.21
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB3	4	0.21
(3,1401)	1:A:162:LEU:HD11	1:B:159:CYS:HA	4	0.21
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB2	4	0.21
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB3	4	0.21
(3,1401)	1:A:162:LEU:HD12	1:A:159:CYS:HA	4	0.21
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB2	4	0.21
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB3	4	0.21
(3,1401)	1:A:162:LEU:HD12	1:B:159:CYS:HA	4	0.21
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB2	4	0.21
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB3	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:A:162:LEU:HD13	1:A:159:CYS:HA	4	0.21
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB2	4	0.21
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB3	4	0.21
(3,1401)	1:A:162:LEU:HD13	1:B:159:CYS:HA	4	0.21
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB2	4	0.21
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB3	4	0.21
(3,1401)	1:A:162:LEU:HD21	1:A:159:CYS:HA	4	0.21
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB2	4	0.21
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB3	4	0.21
(3,1401)	1:A:162:LEU:HD21	1:B:159:CYS:HA	4	0.21
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB2	4	0.21
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB3	4	0.21
(3,1401)	1:A:162:LEU:HD22	1:A:159:CYS:HA	4	0.21
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB2	4	0.21
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB3	4	0.21
(3,1401)	1:A:162:LEU:HD22	1:B:159:CYS:HA	4	0.21
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB2	4	0.21
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB3	4	0.21
(3,1401)	1:A:162:LEU:HD23	1:A:159:CYS:HA	4	0.21
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB2	4	0.21
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB3	4	0.21
(3,1401)	1:A:162:LEU:HD23	1:B:159:CYS:HA	4	0.21
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB2	4	0.21
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB3	4	0.21
(3,1401)	1:A:180:LEU:HB2	1:A:159:CYS:HA	4	0.21
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB2	4	0.21
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB3	4	0.21
(3,1401)	1:A:180:LEU:HB2	1:B:159:CYS:HA	4	0.21
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB2	4	0.21
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB3	4	0.21
(3,1401)	1:A:182:LYS:HG2	1:A:159:CYS:HA	4	0.21
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB2	4	0.21
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB3	4	0.21
(3,1401)	1:A:182:LYS:HG2	1:B:159:CYS:HA	4	0.21
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB2	4	0.21
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB3	4	0.21
(3,1401)	1:A:183:ARG:HG2	1:A:159:CYS:HA	4	0.21
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB2	4	0.21
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB3	4	0.21
(3,1401)	1:A:183:ARG:HG2	1:B:159:CYS:HA	4	0.21
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB2	4	0.21
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB3	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:B:154:LEU:HG	1:A:159:CYS:HA	4	0.21
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB2	4	0.21
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB3	4	0.21
(3,1401)	1:B:154:LEU:HG	1:B:159:CYS:HA	4	0.21
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB2	4	0.21
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB3	4	0.21
(3,1401)	1:B:162:LEU:HB2	1:A:159:CYS:HA	4	0.21
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB2	4	0.21
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB3	4	0.21
(3,1401)	1:B:162:LEU:HB2	1:B:159:CYS:HA	4	0.21
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB2	4	0.21
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB3	4	0.21
(3,1401)	1:B:180:LEU:HB2	1:A:159:CYS:HA	4	0.21
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB2	4	0.21
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB3	4	0.21
(3,1401)	1:B:180:LEU:HB2	1:B:159:CYS:HA	4	0.21
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB2	4	0.21
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB3	4	0.21
(3,1401)	1:B:182:LYS:HG2	1:A:159:CYS:HA	4	0.21
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB2	4	0.21
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB3	4	0.21
(3,1401)	1:B:182:LYS:HG2	1:B:159:CYS:HA	4	0.21
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB2	4	0.21
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB3	4	0.21
(3,1401)	1:B:183:ARG:HG2	1:A:159:CYS:HA	4	0.21
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB2	4	0.21
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB3	4	0.21
(3,1401)	1:B:183:ARG:HG2	1:B:159:CYS:HA	4	0.21
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB2	4	0.21
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB3	4	0.21
(3,1366)	1:A:151:GLN:HA	1:A:154:LEU:HG	5	0.21
(3,1366)	1:A:151:GLN:HA	1:A:196:LEU:HG	5	0.21
(3,1271)	1:A:162:LEU:HA	1:A:166:GLU:H	1	0.21
(3,1271)	1:A:162:LEU:HA	1:B:166:GLU:H	1	0.21
(3,1271)	1:B:162:LEU:HA	1:A:166:GLU:H	1	0.21
(3,1271)	1:B:162:LEU:HA	1:B:166:GLU:H	1	0.21
(3,1271)	1:A:162:LEU:HA	1:A:166:GLU:H	6	0.21
(3,1271)	1:A:162:LEU:HA	1:B:166:GLU:H	6	0.21
(3,1271)	1:B:162:LEU:HA	1:A:166:GLU:H	6	0.21
(3,1271)	1:B:162:LEU:HA	1:B:166:GLU:H	6	0.21
(3,1271)	1:A:162:LEU:HA	1:A:166:GLU:H	8	0.21
(3,1271)	1:A:162:LEU:HA	1:B:166:GLU:H	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1271)	1:B:162:LEU:HA	1:A:166:GLU:H	8	0.21
(3,1271)	1:B:162:LEU:HA	1:B:166:GLU:H	8	0.21
(3,1207)	1:A:164:GLU:HG2	1:A:175:ALA:H	2	0.21
(3,1207)	1:A:164:GLU:HG2	1:B:175:ALA:H	2	0.21
(3,1207)	1:A:176:ASP:HB2	1:A:175:ALA:H	2	0.21
(3,1207)	1:A:176:ASP:HB2	1:B:175:ALA:H	2	0.21
(3,1207)	1:B:176:ASP:HB2	1:A:175:ALA:H	2	0.21
(3,1207)	1:B:176:ASP:HB2	1:B:175:ALA:H	2	0.21
(2,83)	1:B:201:ARG:O	1:B:205:VAL:H	9	0.21
(2,44)	1:B:170:THR:O	1:B:174:ILE:H	1	0.21
(2,44)	1:B:170:THR:O	1:B:174:ILE:H	4	0.21
(2,44)	1:B:170:THR:O	1:B:174:ILE:H	6	0.21
(2,44)	1:B:170:THR:O	1:B:174:ILE:H	7	0.21
(1,923)	1:A:163:GLN:H	1:A:164:GLU:HG3	3	0.21
(1,923)	1:A:163:GLN:H	1:A:164:GLU:HG3	9	0.21
(1,912)	1:A:191:SER:H	1:A:195:LYS:HB2	6	0.21
(1,912)	1:A:191:SER:H	1:A:195:LYS:HB3	6	0.21
(1,836)	1:A:171:ASN:H	1:A:172:GLN:HB3	6	0.21
(1,713)	1:B:179:HIS:H	1:B:181:SER:HA	4	0.21
(1,712)	1:A:179:HIS:H	1:A:181:SER:HA	4	0.21
(1,712)	1:A:179:HIS:H	1:A:181:SER:HA	5	0.21
(1,1855)	1:A:168:GLY:HA3	1:A:205:VAL:H	8	0.21
(1,1855)	1:A:168:GLY:HA3	1:B:205:VAL:H	8	0.21
(1,1855)	1:A:189:LEU:HA	1:A:205:VAL:H	8	0.21
(1,1855)	1:A:189:LEU:HA	1:B:205:VAL:H	8	0.21
(1,1855)	1:B:168:GLY:HA3	1:A:205:VAL:H	8	0.21
(1,1855)	1:B:168:GLY:HA3	1:B:205:VAL:H	8	0.21
(1,1855)	1:B:189:LEU:HA	1:A:205:VAL:H	8	0.21
(1,1855)	1:B:189:LEU:HA	1:B:205:VAL:H	8	0.21
(1,1855)	1:B:193:PHE:HB2	1:A:205:VAL:H	8	0.21
(1,1855)	1:B:193:PHE:HB2	1:B:205:VAL:H	8	0.21
(1,1762)	1:A:152:ASP:HA	1:A:157:ARG:H	2	0.21
(1,1762)	1:A:152:ASP:HA	1:A:163:GLN:H	2	0.21
(1,1762)	1:A:152:ASP:HA	1:B:157:ARG:H	2	0.21
(1,1762)	1:A:152:ASP:HA	1:B:163:GLN:H	2	0.21
(1,1762)	1:B:152:ASP:HA	1:A:157:ARG:H	2	0.21
(1,1762)	1:B:152:ASP:HA	1:A:163:GLN:H	2	0.21
(1,1762)	1:B:152:ASP:HA	1:B:157:ARG:H	2	0.21
(1,1762)	1:B:152:ASP:HA	1:B:163:GLN:H	2	0.21
(1,172)	1:A:177:ALA:H	1:A:173:GLU:HG2	3	0.21
(1,172)	1:A:177:ALA:H	1:A:173:GLU:HG2	10	0.21
(1,152)	1:B:175:ALA:H	1:B:186:GLU:H	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,152)	1:B:175:ALA:H	1:B:186:GLU:H	10	0.21
(1,151)	1:A:175:ALA:H	1:A:186:GLU:H	10	0.21
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD2	3	0.21
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD3	3	0.21
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD2	3	0.21
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD3	3	0.21
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD2	3	0.21
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD3	3	0.21
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD2	8	0.21
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD3	8	0.21
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD2	8	0.21
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD3	8	0.21
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD2	8	0.21
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD3	8	0.21
(1,1276)	1:B:201:ARG:HD2	1:A:201:ARG:HB2	3	0.21
(1,1276)	1:B:201:ARG:HD3	1:A:201:ARG:HB2	3	0.21
(3,994)	1:A:198:VAL:HG11	1:A:200:SER:H	6	0.2
(3,994)	1:A:198:VAL:HG11	1:B:200:SER:H	6	0.2
(3,994)	1:A:198:VAL:HG12	1:A:200:SER:H	6	0.2
(3,994)	1:A:198:VAL:HG12	1:B:200:SER:H	6	0.2
(3,994)	1:A:198:VAL:HG13	1:A:200:SER:H	6	0.2
(3,994)	1:A:198:VAL:HG13	1:B:200:SER:H	6	0.2
(3,994)	1:B:198:VAL:HG11	1:A:200:SER:H	6	0.2
(3,994)	1:B:198:VAL:HG11	1:B:200:SER:H	6	0.2
(3,892)	1:A:186:GLU:HB2	1:A:186:GLU:H	1	0.2
(3,892)	1:A:186:GLU:HB2	1:B:151:GLN:H	1	0.2
(3,892)	1:B:150:GLU:HB2	1:A:186:GLU:H	1	0.2
(3,892)	1:B:150:GLU:HB2	1:B:151:GLN:H	1	0.2
(3,883)	1:A:173:GLU:HG3	1:A:169:PHE:H	4	0.2
(3,883)	1:A:173:GLU:HG3	1:B:169:PHE:H	4	0.2
(3,883)	1:A:203:GLU:HG2	1:A:169:PHE:H	4	0.2
(3,883)	1:A:203:GLU:HG2	1:B:169:PHE:H	4	0.2
(3,883)	1:B:203:GLU:HG2	1:A:169:PHE:H	4	0.2
(3,883)	1:B:203:GLU:HG2	1:B:169:PHE:H	4	0.2
(3,883)	1:A:173:GLU:HG3	1:A:169:PHE:H	10	0.2
(3,883)	1:A:173:GLU:HG3	1:B:169:PHE:H	10	0.2
(3,883)	1:A:203:GLU:HG2	1:A:169:PHE:H	10	0.2
(3,883)	1:A:203:GLU:HG2	1:B:169:PHE:H	10	0.2
(3,883)	1:B:203:GLU:HG2	1:A:169:PHE:H	10	0.2
(3,883)	1:B:203:GLU:HG2	1:B:169:PHE:H	10	0.2
(3,855)	1:A:152:ASP:HB2	1:A:152:ASP:H	10	0.2
(3,855)	1:A:152:ASP:HB2	1:B:152:ASP:H	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,855)	1:B:152:ASP:HB2	1:A:152:ASP:H	10	0.2
(3,855)	1:B:152:ASP:HB2	1:B:152:ASP:H	10	0.2
(3,652)	1:B:175:ALA:HA	1:B:180:LEU:HB2	2	0.2
(3,574)	1:B:162:LEU:HG	1:B:166:GLU:HB3	8	0.2
(3,573)	1:A:162:LEU:HG	1:A:166:GLU:HB3	2	0.2
(3,573)	1:A:162:LEU:HG	1:A:166:GLU:HB3	7	0.2
(3,573)	1:A:162:LEU:HG	1:A:166:GLU:HB3	9	0.2
(3,570)	1:B:178:LEU:HD11	1:B:157:ARG:HD2	2	0.2
(3,570)	1:B:178:LEU:HD11	1:B:157:ARG:HD3	2	0.2
(3,570)	1:B:178:LEU:HD12	1:B:157:ARG:HD2	2	0.2
(3,570)	1:B:178:LEU:HD12	1:B:157:ARG:HD3	2	0.2
(3,570)	1:B:178:LEU:HD13	1:B:157:ARG:HD2	2	0.2
(3,570)	1:B:178:LEU:HD13	1:B:157:ARG:HD3	2	0.2
(3,570)	1:B:178:LEU:HD11	1:B:157:ARG:HD2	6	0.2
(3,570)	1:B:178:LEU:HD11	1:B:157:ARG:HD3	6	0.2
(3,570)	1:B:178:LEU:HD12	1:B:157:ARG:HD2	6	0.2
(3,570)	1:B:178:LEU:HD12	1:B:157:ARG:HD3	6	0.2
(3,570)	1:B:178:LEU:HD13	1:B:157:ARG:HD2	6	0.2
(3,570)	1:B:178:LEU:HD13	1:B:157:ARG:HD3	6	0.2
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG11	10	0.2
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG12	10	0.2
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG13	10	0.2
(3,47)	1:B:210:SER:H	1:B:209:LYS:HB3	2	0.2
(3,47)	1:B:210:SER:H	1:B:209:LYS:HB3	7	0.2
(3,47)	1:B:210:SER:H	1:B:209:LYS:HB3	8	0.2
(3,465)	1:A:210:SER:HA	1:B:209:LYS:HD3	8	0.2
(3,465)	1:A:210:SER:HA	1:B:209:LYS:HD3	9	0.2
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG21	2	0.2
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG22	2	0.2
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG23	2	0.2
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG21	4	0.2
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG22	4	0.2
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG23	4	0.2
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG21	5	0.2
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG22	5	0.2
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG23	5	0.2
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG21	9	0.2
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG22	9	0.2
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG23	9	0.2
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG21	2	0.2
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG22	2	0.2
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG23	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG21	6	0.2
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG22	6	0.2
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG23	6	0.2
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG21	8	0.2
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG22	8	0.2
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG23	8	0.2
(3,240)	1:A:183:ARG:H	1:A:181:SER:HB2	5	0.2
(3,1531)	1:A:209:LYS:HE2	1:A:209:LYS:HB2	1	0.2
(3,1531)	1:A:209:LYS:HE2	1:B:209:LYS:HB2	1	0.2
(3,1531)	1:B:209:LYS:HE2	1:A:209:LYS:HB2	1	0.2
(3,1531)	1:B:209:LYS:HE2	1:B:209:LYS:HB2	1	0.2
(3,1490)	1:A:157:ARG:HB2	1:A:157:ARG:HD2	3	0.2
(3,1490)	1:A:157:ARG:HB2	1:B:157:ARG:HD2	3	0.2
(3,1490)	1:B:157:ARG:HB2	1:A:157:ARG:HD2	3	0.2
(3,1490)	1:B:157:ARG:HB2	1:B:157:ARG:HD2	3	0.2
(3,1490)	1:A:157:ARG:HB2	1:A:157:ARG:HD2	6	0.2
(3,1490)	1:A:157:ARG:HB2	1:B:157:ARG:HD2	6	0.2
(3,1490)	1:B:157:ARG:HB2	1:A:157:ARG:HD2	6	0.2
(3,1490)	1:B:157:ARG:HB2	1:B:157:ARG:HD2	6	0.2
(3,144)	1:B:149:LYS:H	1:B:149:LYS:HB2	3	0.2
(3,1437)	1:A:167:LYS:HB3	1:A:164:GLU:HA	8	0.2
(3,1437)	1:A:167:LYS:HB3	1:A:193:PHE:HA	8	0.2
(3,1437)	1:A:167:LYS:HB3	1:A:209:LYS:HA	8	0.2
(3,1437)	1:A:167:LYS:HB3	1:B:164:GLU:HA	8	0.2
(3,1437)	1:A:192:ILE:HG21	1:A:164:GLU:HA	8	0.2
(3,1437)	1:A:192:ILE:HG21	1:A:193:PHE:HA	8	0.2
(3,1437)	1:A:192:ILE:HG21	1:A:209:LYS:HA	8	0.2
(3,1437)	1:A:192:ILE:HG21	1:B:164:GLU:HA	8	0.2
(3,1437)	1:A:192:ILE:HG22	1:A:164:GLU:HA	8	0.2
(3,1437)	1:A:192:ILE:HG22	1:A:193:PHE:HA	8	0.2
(3,1437)	1:A:192:ILE:HG22	1:A:209:LYS:HA	8	0.2
(3,1437)	1:A:192:ILE:HG22	1:B:164:GLU:HA	8	0.2
(3,1437)	1:A:192:ILE:HG23	1:A:164:GLU:HA	8	0.2
(3,1437)	1:A:192:ILE:HG23	1:A:193:PHE:HA	8	0.2
(3,1437)	1:A:192:ILE:HG23	1:A:209:LYS:HA	8	0.2
(3,1437)	1:A:192:ILE:HG23	1:B:164:GLU:HA	8	0.2
(3,1437)	1:A:208:ALA:HB1	1:A:164:GLU:HA	8	0.2
(3,1437)	1:A:208:ALA:HB1	1:A:193:PHE:HA	8	0.2
(3,1437)	1:A:208:ALA:HB1	1:A:209:LYS:HA	8	0.2
(3,1437)	1:A:208:ALA:HB1	1:B:164:GLU:HA	8	0.2
(3,1437)	1:A:208:ALA:HB2	1:A:164:GLU:HA	8	0.2
(3,1437)	1:A:208:ALA:HB2	1:A:193:PHE:HA	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1437)	1:A:208:ALA:HB2	1:A:209:LYS:HA	8	0.2
(3,1437)	1:A:208:ALA:HB2	1:B:164:GLU:HA	8	0.2
(3,1437)	1:A:208:ALA:HB3	1:A:164:GLU:HA	8	0.2
(3,1437)	1:A:208:ALA:HB3	1:A:193:PHE:HA	8	0.2
(3,1437)	1:A:208:ALA:HB3	1:A:209:LYS:HA	8	0.2
(3,1437)	1:A:208:ALA:HB3	1:B:164:GLU:HA	8	0.2
(3,1437)	1:B:167:LYS:HB3	1:A:164:GLU:HA	8	0.2
(3,1437)	1:B:167:LYS:HB3	1:A:193:PHE:HA	8	0.2
(3,1437)	1:B:167:LYS:HB3	1:A:209:LYS:HA	8	0.2
(3,1437)	1:B:167:LYS:HB3	1:B:164:GLU:HA	8	0.2
(3,1426)	1:A:157:ARG:HD2	1:A:157:ARG:HA	8	0.2
(3,1426)	1:A:157:ARG:HD2	1:A:183:ARG:HA	8	0.2
(3,1426)	1:A:157:ARG:HD2	1:B:157:ARG:HA	8	0.2
(3,1426)	1:A:157:ARG:HD2	1:B:183:ARG:HA	8	0.2
(3,1426)	1:A:159:CYS:HB2	1:A:157:ARG:HA	8	0.2
(3,1426)	1:A:159:CYS:HB2	1:A:183:ARG:HA	8	0.2
(3,1426)	1:A:159:CYS:HB2	1:B:157:ARG:HA	8	0.2
(3,1426)	1:A:159:CYS:HB2	1:B:183:ARG:HA	8	0.2
(3,1426)	1:A:183:ARG:HD2	1:A:157:ARG:HA	8	0.2
(3,1426)	1:A:183:ARG:HD2	1:A:183:ARG:HA	8	0.2
(3,1426)	1:A:183:ARG:HD2	1:B:157:ARG:HA	8	0.2
(3,1426)	1:A:183:ARG:HD2	1:B:183:ARG:HA	8	0.2
(3,1426)	1:B:156:PRO:HD2	1:A:157:ARG:HA	8	0.2
(3,1426)	1:B:156:PRO:HD2	1:A:183:ARG:HA	8	0.2
(3,1426)	1:B:156:PRO:HD2	1:B:157:ARG:HA	8	0.2
(3,1426)	1:B:156:PRO:HD2	1:B:183:ARG:HA	8	0.2
(3,1426)	1:B:157:ARG:HD2	1:A:157:ARG:HA	8	0.2
(3,1426)	1:B:157:ARG:HD2	1:A:183:ARG:HA	8	0.2
(3,1426)	1:B:157:ARG:HD2	1:B:157:ARG:HA	8	0.2
(3,1426)	1:B:157:ARG:HD2	1:B:183:ARG:HA	8	0.2
(3,1426)	1:B:183:ARG:HD2	1:A:157:ARG:HA	8	0.2
(3,1426)	1:B:183:ARG:HD2	1:A:183:ARG:HA	8	0.2
(3,1426)	1:B:183:ARG:HD2	1:B:157:ARG:HA	8	0.2
(3,1426)	1:B:183:ARG:HD2	1:B:183:ARG:HA	8	0.2
(3,1367)	1:B:151:GLN:HA	1:B:154:LEU:HG	3	0.2
(3,1367)	1:B:151:GLN:HA	1:B:196:LEU:HG	3	0.2
(3,1271)	1:A:162:LEU:HA	1:A:166:GLU:H	10	0.2
(3,1271)	1:A:162:LEU:HA	1:B:166:GLU:H	10	0.2
(3,1271)	1:B:162:LEU:HA	1:A:166:GLU:H	10	0.2
(3,1271)	1:B:162:LEU:HA	1:B:166:GLU:H	10	0.2
(2,83)	1:B:201:ARG:O	1:B:205:VAL:H	7	0.2
(2,44)	1:B:170:THR:O	1:B:174:ILE:H	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,44)	1:B:170:THR:O	1:B:174:ILE:H	9	0.2
(1,923)	1:A:163:GLN:H	1:A:164:GLU:HG3	4	0.2
(1,923)	1:A:163:GLN:H	1:A:164:GLU:HG3	5	0.2
(1,923)	1:A:163:GLN:H	1:A:164:GLU:HG3	10	0.2
(1,726)	1:A:193:PHE:H	1:A:195:LYS:HB3	9	0.2
(1,713)	1:B:179:HIS:H	1:B:181:SER:HA	3	0.2
(1,713)	1:B:179:HIS:H	1:B:181:SER:HA	5	0.2
(1,713)	1:B:179:HIS:H	1:B:181:SER:HA	9	0.2
(1,713)	1:B:179:HIS:H	1:B:181:SER:HA	10	0.2
(1,712)	1:A:179:HIS:H	1:A:181:SER:HA	7	0.2
(1,1800)	1:A:177:ALA:H	1:A:168:GLY:H	5	0.2
(1,1800)	1:A:177:ALA:H	1:B:168:GLY:H	5	0.2
(1,1800)	1:A:202:THR:H	1:A:168:GLY:H	5	0.2
(1,1800)	1:A:202:THR:H	1:B:168:GLY:H	5	0.2
(1,1800)	1:B:177:ALA:H	1:A:168:GLY:H	5	0.2
(1,1800)	1:B:177:ALA:H	1:B:168:GLY:H	5	0.2
(1,1800)	1:B:202:THR:H	1:A:168:GLY:H	5	0.2
(1,1800)	1:B:202:THR:H	1:B:168:GLY:H	5	0.2
(1,152)	1:B:175:ALA:H	1:B:186:GLU:H	6	0.2
(1,151)	1:A:175:ALA:H	1:A:186:GLU:H	3	0.2
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD2	9	0.2
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD3	9	0.2
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD2	9	0.2
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD3	9	0.2
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD2	9	0.2
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD3	9	0.2
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD2	10	0.2
(1,1391)	1:A:206:LEU:HD11	1:B:167:LYS:HD3	10	0.2
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD2	10	0.2
(1,1391)	1:A:206:LEU:HD12	1:B:167:LYS:HD3	10	0.2
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD2	10	0.2
(1,1391)	1:A:206:LEU:HD13	1:B:167:LYS:HD3	10	0.2
(1,1075)	1:A:165:VAL:H	1:A:170:THR:HA	10	0.2
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG11	3	0.19
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG12	3	0.19
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG13	3	0.19
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG11	4	0.19
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG12	4	0.19
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG13	4	0.19
(3,914)	1:A:162:LEU:HG	1:A:163:GLN:H	2	0.19
(3,914)	1:A:162:LEU:HG	1:A:188:SER:H	2	0.19
(3,914)	1:A:162:LEU:HG	1:B:163:GLN:H	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,914)	1:A:162:LEU:HG	1:B:188:SER:H	2	0.19
(3,914)	1:A:185:ILE:HB	1:A:163:GLN:H	2	0.19
(3,914)	1:A:185:ILE:HB	1:A:188:SER:H	2	0.19
(3,914)	1:A:185:ILE:HB	1:B:163:GLN:H	2	0.19
(3,914)	1:A:185:ILE:HB	1:B:188:SER:H	2	0.19
(3,914)	1:B:162:LEU:HG	1:A:163:GLN:H	2	0.19
(3,914)	1:B:162:LEU:HG	1:A:188:SER:H	2	0.19
(3,914)	1:B:162:LEU:HG	1:B:163:GLN:H	2	0.19
(3,914)	1:B:162:LEU:HG	1:B:188:SER:H	2	0.19
(3,914)	1:B:185:ILE:HB	1:A:163:GLN:H	2	0.19
(3,914)	1:B:185:ILE:HB	1:A:188:SER:H	2	0.19
(3,914)	1:B:185:ILE:HB	1:B:163:GLN:H	2	0.19
(3,914)	1:B:185:ILE:HB	1:B:188:SER:H	2	0.19
(3,914)	1:A:162:LEU:HG	1:A:163:GLN:H	7	0.19
(3,914)	1:A:162:LEU:HG	1:A:188:SER:H	7	0.19
(3,914)	1:A:162:LEU:HG	1:B:163:GLN:H	7	0.19
(3,914)	1:A:162:LEU:HG	1:B:188:SER:H	7	0.19
(3,914)	1:A:185:ILE:HB	1:A:163:GLN:H	7	0.19
(3,914)	1:A:185:ILE:HB	1:A:188:SER:H	7	0.19
(3,914)	1:A:185:ILE:HB	1:B:163:GLN:H	7	0.19
(3,914)	1:A:185:ILE:HB	1:B:188:SER:H	7	0.19
(3,914)	1:B:162:LEU:HG	1:A:163:GLN:H	7	0.19
(3,914)	1:B:162:LEU:HG	1:A:188:SER:H	7	0.19
(3,914)	1:B:162:LEU:HG	1:B:163:GLN:H	7	0.19
(3,914)	1:B:162:LEU:HG	1:B:188:SER:H	7	0.19
(3,914)	1:B:185:ILE:HB	1:A:163:GLN:H	7	0.19
(3,914)	1:B:185:ILE:HB	1:A:188:SER:H	7	0.19
(3,914)	1:B:185:ILE:HB	1:B:163:GLN:H	7	0.19
(3,914)	1:B:185:ILE:HB	1:B:188:SER:H	7	0.19
(3,914)	1:A:162:LEU:HG	1:A:163:GLN:H	9	0.19
(3,914)	1:A:162:LEU:HG	1:A:188:SER:H	9	0.19
(3,914)	1:A:162:LEU:HG	1:B:163:GLN:H	9	0.19
(3,914)	1:A:162:LEU:HG	1:B:188:SER:H	9	0.19
(3,914)	1:A:185:ILE:HB	1:A:163:GLN:H	9	0.19
(3,914)	1:A:185:ILE:HB	1:A:188:SER:H	9	0.19
(3,914)	1:A:185:ILE:HB	1:B:163:GLN:H	9	0.19
(3,914)	1:A:185:ILE:HB	1:B:188:SER:H	9	0.19
(3,914)	1:B:162:LEU:HG	1:A:163:GLN:H	9	0.19
(3,914)	1:B:162:LEU:HG	1:A:188:SER:H	9	0.19
(3,914)	1:B:162:LEU:HG	1:B:163:GLN:H	9	0.19
(3,914)	1:B:162:LEU:HG	1:B:188:SER:H	9	0.19
(3,914)	1:B:185:ILE:HB	1:A:163:GLN:H	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,914)	1:B:185:ILE:HB	1:A:188:SER:H	9	0.19
(3,914)	1:B:185:ILE:HB	1:B:163:GLN:H	9	0.19
(3,914)	1:B:185:ILE:HB	1:B:188:SER:H	9	0.19
(3,875)	1:A:171:ASN:HA	1:A:171:ASN:H	6	0.19
(3,875)	1:A:171:ASN:HA	1:B:171:ASN:H	6	0.19
(3,875)	1:B:171:ASN:HA	1:A:171:ASN:H	6	0.19
(3,875)	1:B:171:ASN:HA	1:B:171:ASN:H	6	0.19
(3,779)	1:A:187:TYR:H	1:A:186:GLU:H	4	0.19
(3,779)	1:A:187:TYR:H	1:A:188:SER:H	4	0.19
(3,719)	1:B:149:LYS:HB2	1:B:153:VAL:HB	5	0.19
(3,719)	1:B:149:LYS:HB3	1:B:153:VAL:HB	5	0.19
(3,716)	1:A:149:LYS:HB2	1:A:153:VAL:HB	10	0.19
(3,716)	1:A:149:LYS:HB3	1:A:153:VAL:HB	10	0.19
(3,574)	1:B:162:LEU:HG	1:B:166:GLU:HB3	2	0.19
(3,574)	1:B:162:LEU:HG	1:B:166:GLU:HB3	10	0.19
(3,564)	1:B:157:ARG:HG3	1:B:157:ARG:HA	10	0.19
(3,545)	1:A:151:GLN:HB3	1:A:151:GLN:HA	10	0.19
(3,465)	1:A:210:SER:HA	1:B:209:LYS:HD3	4	0.19
(3,441)	1:A:203:GLU:HG2	1:A:200:SER:H	1	0.19
(3,4)	1:B:154:LEU:H	1:B:154:LEU:HB2	1	0.19
(3,4)	1:B:154:LEU:H	1:B:154:LEU:HB2	2	0.19
(3,4)	1:B:154:LEU:H	1:B:154:LEU:HB2	3	0.19
(3,4)	1:B:154:LEU:H	1:B:154:LEU:HB2	5	0.19
(3,4)	1:B:154:LEU:H	1:B:154:LEU:HB2	7	0.19
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG21	1	0.19
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG22	1	0.19
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG23	1	0.19
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG21	3	0.19
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG22	3	0.19
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG23	3	0.19
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG21	4	0.19
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG22	4	0.19
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG23	4	0.19
(3,27)	1:B:193:PHE:H	1:B:193:PHE:HB3	9	0.19
(3,162)	1:A:192:ILE:H	1:A:191:SER:H	10	0.19
(3,1490)	1:A:157:ARG:HB2	1:A:157:ARG:HD2	2	0.19
(3,1490)	1:A:157:ARG:HB2	1:B:157:ARG:HD2	2	0.19
(3,1490)	1:B:157:ARG:HB2	1:A:157:ARG:HD2	2	0.19
(3,1490)	1:B:157:ARG:HB2	1:B:157:ARG:HD2	2	0.19
(3,1490)	1:A:157:ARG:HB2	1:A:157:ARG:HD2	7	0.19
(3,1490)	1:A:157:ARG:HB2	1:B:157:ARG:HD2	7	0.19
(3,1490)	1:B:157:ARG:HB2	1:A:157:ARG:HD2	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1490)	1:B:157:ARG:HB2	1:B:157:ARG:HD2	7	0.19
(3,1488)	1:A:189:LEU:HG	1:A:201:ARG:HD2	8	0.19
(3,1488)	1:A:189:LEU:HG	1:B:201:ARG:HD2	8	0.19
(3,1488)	1:A:201:ARG:HB3	1:A:201:ARG:HD2	8	0.19
(3,1488)	1:A:201:ARG:HB3	1:B:201:ARG:HD2	8	0.19
(3,1488)	1:B:201:ARG:HB3	1:A:201:ARG:HD2	8	0.19
(3,1488)	1:B:201:ARG:HB3	1:B:201:ARG:HD2	8	0.19
(3,1442)	1:A:172:GLN:HB2	1:A:172:GLN:HA	1	0.19
(3,1442)	1:A:172:GLN:HB2	1:B:172:GLN:HA	1	0.19
(3,1442)	1:B:172:GLN:HB2	1:A:172:GLN:HA	1	0.19
(3,1442)	1:B:172:GLN:HB2	1:B:172:GLN:HA	1	0.19
(3,1442)	1:A:172:GLN:HB2	1:A:172:GLN:HA	2	0.19
(3,1442)	1:A:172:GLN:HB2	1:B:172:GLN:HA	2	0.19
(3,1442)	1:B:172:GLN:HB2	1:A:172:GLN:HA	2	0.19
(3,1442)	1:B:172:GLN:HB2	1:B:172:GLN:HA	2	0.19
(3,1442)	1:A:172:GLN:HB2	1:A:172:GLN:HA	3	0.19
(3,1442)	1:A:172:GLN:HB2	1:B:172:GLN:HA	3	0.19
(3,1442)	1:B:172:GLN:HB2	1:A:172:GLN:HA	3	0.19
(3,1442)	1:B:172:GLN:HB2	1:B:172:GLN:HA	3	0.19
(3,1442)	1:A:172:GLN:HB2	1:A:172:GLN:HA	4	0.19
(3,1442)	1:A:172:GLN:HB2	1:B:172:GLN:HA	4	0.19
(3,1442)	1:B:172:GLN:HB2	1:A:172:GLN:HA	4	0.19
(3,1442)	1:B:172:GLN:HB2	1:B:172:GLN:HA	4	0.19
(3,1442)	1:A:172:GLN:HB2	1:A:172:GLN:HA	5	0.19
(3,1442)	1:A:172:GLN:HB2	1:B:172:GLN:HA	5	0.19
(3,1442)	1:B:172:GLN:HB2	1:A:172:GLN:HA	5	0.19
(3,1442)	1:B:172:GLN:HB2	1:B:172:GLN:HA	5	0.19
(3,1442)	1:A:172:GLN:HB2	1:A:172:GLN:HA	6	0.19
(3,1442)	1:A:172:GLN:HB2	1:B:172:GLN:HA	6	0.19
(3,1442)	1:B:172:GLN:HB2	1:A:172:GLN:HA	6	0.19
(3,1442)	1:B:172:GLN:HB2	1:B:172:GLN:HA	6	0.19
(3,1442)	1:A:172:GLN:HB2	1:A:172:GLN:HA	7	0.19
(3,1442)	1:A:172:GLN:HB2	1:B:172:GLN:HA	7	0.19
(3,1442)	1:B:172:GLN:HB2	1:A:172:GLN:HA	7	0.19
(3,1442)	1:B:172:GLN:HB2	1:B:172:GLN:HA	7	0.19
(3,1442)	1:A:172:GLN:HB2	1:A:172:GLN:HA	8	0.19
(3,1442)	1:A:172:GLN:HB2	1:B:172:GLN:HA	8	0.19
(3,1442)	1:B:172:GLN:HB2	1:A:172:GLN:HA	8	0.19
(3,1442)	1:B:172:GLN:HB2	1:B:172:GLN:HA	8	0.19
(3,1442)	1:A:172:GLN:HB2	1:A:172:GLN:HA	9	0.19
(3,1442)	1:A:172:GLN:HB2	1:B:172:GLN:HA	9	0.19
(3,1442)	1:B:172:GLN:HB2	1:A:172:GLN:HA	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1442)	1:B:172:GLN:HB2	1:B:172:GLN:HA	9	0.19
(3,1442)	1:A:172:GLN:HB2	1:A:172:GLN:HA	10	0.19
(3,1442)	1:A:172:GLN:HB2	1:B:172:GLN:HA	10	0.19
(3,1442)	1:B:172:GLN:HB2	1:A:172:GLN:HA	10	0.19
(3,1442)	1:B:172:GLN:HB2	1:B:172:GLN:HA	10	0.19
(3,1441)	1:A:172:GLN:HG3	1:A:172:GLN:HA	10	0.19
(3,1441)	1:A:172:GLN:HG3	1:B:172:GLN:HA	10	0.19
(3,1441)	1:B:172:GLN:HG3	1:A:172:GLN:HA	10	0.19
(3,1441)	1:B:172:GLN:HG3	1:B:172:GLN:HA	10	0.19
(3,1437)	1:A:167:LYS:HB3	1:A:164:GLU:HA	1	0.19
(3,1437)	1:A:167:LYS:HB3	1:A:193:PHE:HA	1	0.19
(3,1437)	1:A:167:LYS:HB3	1:A:209:LYS:HA	1	0.19
(3,1437)	1:A:167:LYS:HB3	1:B:164:GLU:HA	1	0.19
(3,1437)	1:A:192:ILE:HG21	1:A:164:GLU:HA	1	0.19
(3,1437)	1:A:192:ILE:HG21	1:A:193:PHE:HA	1	0.19
(3,1437)	1:A:192:ILE:HG21	1:A:209:LYS:HA	1	0.19
(3,1437)	1:A:192:ILE:HG21	1:B:164:GLU:HA	1	0.19
(3,1437)	1:A:192:ILE:HG22	1:A:164:GLU:HA	1	0.19
(3,1437)	1:A:192:ILE:HG22	1:A:193:PHE:HA	1	0.19
(3,1437)	1:A:192:ILE:HG22	1:A:209:LYS:HA	1	0.19
(3,1437)	1:A:192:ILE:HG22	1:B:164:GLU:HA	1	0.19
(3,1437)	1:A:192:ILE:HG23	1:A:164:GLU:HA	1	0.19
(3,1437)	1:A:192:ILE:HG23	1:A:193:PHE:HA	1	0.19
(3,1437)	1:A:192:ILE:HG23	1:A:209:LYS:HA	1	0.19
(3,1437)	1:A:192:ILE:HG23	1:B:164:GLU:HA	1	0.19
(3,1437)	1:A:208:ALA:HB1	1:A:164:GLU:HA	1	0.19
(3,1437)	1:A:208:ALA:HB1	1:A:193:PHE:HA	1	0.19
(3,1437)	1:A:208:ALA:HB1	1:A:209:LYS:HA	1	0.19
(3,1437)	1:A:208:ALA:HB1	1:B:164:GLU:HA	1	0.19
(3,1437)	1:A:208:ALA:HB2	1:A:164:GLU:HA	1	0.19
(3,1437)	1:A:208:ALA:HB2	1:A:193:PHE:HA	1	0.19
(3,1437)	1:A:208:ALA:HB2	1:A:209:LYS:HA	1	0.19
(3,1437)	1:A:208:ALA:HB2	1:B:164:GLU:HA	1	0.19
(3,1437)	1:A:208:ALA:HB3	1:A:164:GLU:HA	1	0.19
(3,1437)	1:A:208:ALA:HB3	1:A:193:PHE:HA	1	0.19
(3,1437)	1:A:208:ALA:HB3	1:A:209:LYS:HA	1	0.19
(3,1437)	1:A:208:ALA:HB3	1:B:164:GLU:HA	1	0.19
(3,1437)	1:B:167:LYS:HB3	1:A:164:GLU:HA	1	0.19
(3,1437)	1:B:167:LYS:HB3	1:A:193:PHE:HA	1	0.19
(3,1437)	1:B:167:LYS:HB3	1:A:209:LYS:HA	1	0.19
(3,1437)	1:B:167:LYS:HB3	1:B:164:GLU:HA	1	0.19
(3,1437)	1:A:167:LYS:HB3	1:A:164:GLU:HA	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1437)	1:A:167:LYS:HB3	1:A:193:PHE:HA	7	0.19
(3,1437)	1:A:167:LYS:HB3	1:A:209:LYS:HA	7	0.19
(3,1437)	1:A:167:LYS:HB3	1:B:164:GLU:HA	7	0.19
(3,1437)	1:A:192:ILE:HG21	1:A:164:GLU:HA	7	0.19
(3,1437)	1:A:192:ILE:HG21	1:A:193:PHE:HA	7	0.19
(3,1437)	1:A:192:ILE:HG21	1:A:209:LYS:HA	7	0.19
(3,1437)	1:A:192:ILE:HG21	1:B:164:GLU:HA	7	0.19
(3,1437)	1:A:192:ILE:HG22	1:A:164:GLU:HA	7	0.19
(3,1437)	1:A:192:ILE:HG22	1:A:193:PHE:HA	7	0.19
(3,1437)	1:A:192:ILE:HG22	1:A:209:LYS:HA	7	0.19
(3,1437)	1:A:192:ILE:HG22	1:B:164:GLU:HA	7	0.19
(3,1437)	1:A:192:ILE:HG23	1:A:164:GLU:HA	7	0.19
(3,1437)	1:A:192:ILE:HG23	1:A:193:PHE:HA	7	0.19
(3,1437)	1:A:192:ILE:HG23	1:A:209:LYS:HA	7	0.19
(3,1437)	1:A:192:ILE:HG23	1:B:164:GLU:HA	7	0.19
(3,1437)	1:A:208:ALA:HB1	1:A:164:GLU:HA	7	0.19
(3,1437)	1:A:208:ALA:HB1	1:A:193:PHE:HA	7	0.19
(3,1437)	1:A:208:ALA:HB1	1:A:209:LYS:HA	7	0.19
(3,1437)	1:A:208:ALA:HB1	1:B:164:GLU:HA	7	0.19
(3,1437)	1:A:208:ALA:HB2	1:A:164:GLU:HA	7	0.19
(3,1437)	1:A:208:ALA:HB2	1:A:193:PHE:HA	7	0.19
(3,1437)	1:A:208:ALA:HB2	1:A:209:LYS:HA	7	0.19
(3,1437)	1:A:208:ALA:HB2	1:B:164:GLU:HA	7	0.19
(3,1437)	1:A:208:ALA:HB3	1:A:164:GLU:HA	7	0.19
(3,1437)	1:A:208:ALA:HB3	1:A:193:PHE:HA	7	0.19
(3,1437)	1:A:208:ALA:HB3	1:A:209:LYS:HA	7	0.19
(3,1437)	1:A:208:ALA:HB3	1:B:164:GLU:HA	7	0.19
(3,1437)	1:B:167:LYS:HB3	1:A:164:GLU:HA	7	0.19
(3,1437)	1:B:167:LYS:HB3	1:A:193:PHE:HA	7	0.19
(3,1437)	1:B:167:LYS:HB3	1:A:209:LYS:HA	7	0.19
(3,1437)	1:B:167:LYS:HB3	1:B:164:GLU:HA	7	0.19
(3,1437)	1:A:167:LYS:HB3	1:A:164:GLU:HA	10	0.19
(3,1437)	1:A:167:LYS:HB3	1:A:193:PHE:HA	10	0.19
(3,1437)	1:A:167:LYS:HB3	1:A:209:LYS:HA	10	0.19
(3,1437)	1:A:167:LYS:HB3	1:B:164:GLU:HA	10	0.19
(3,1437)	1:A:192:ILE:HG21	1:A:164:GLU:HA	10	0.19
(3,1437)	1:A:192:ILE:HG21	1:A:193:PHE:HA	10	0.19
(3,1437)	1:A:192:ILE:HG21	1:A:209:LYS:HA	10	0.19
(3,1437)	1:A:192:ILE:HG21	1:B:164:GLU:HA	10	0.19
(3,1437)	1:A:192:ILE:HG22	1:A:164:GLU:HA	10	0.19
(3,1437)	1:A:192:ILE:HG22	1:A:193:PHE:HA	10	0.19
(3,1437)	1:A:192:ILE:HG22	1:A:209:LYS:HA	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1437)	1:A:192:ILE:HG22	1:B:164:GLU:HA	10	0.19
(3,1437)	1:A:192:ILE:HG23	1:A:164:GLU:HA	10	0.19
(3,1437)	1:A:192:ILE:HG23	1:A:193:PHE:HA	10	0.19
(3,1437)	1:A:192:ILE:HG23	1:A:209:LYS:HA	10	0.19
(3,1437)	1:A:192:ILE:HG23	1:B:164:GLU:HA	10	0.19
(3,1437)	1:A:208:ALA:HB1	1:A:164:GLU:HA	10	0.19
(3,1437)	1:A:208:ALA:HB1	1:A:193:PHE:HA	10	0.19
(3,1437)	1:A:208:ALA:HB1	1:A:209:LYS:HA	10	0.19
(3,1437)	1:A:208:ALA:HB1	1:B:164:GLU:HA	10	0.19
(3,1437)	1:A:208:ALA:HB2	1:A:164:GLU:HA	10	0.19
(3,1437)	1:A:208:ALA:HB2	1:A:193:PHE:HA	10	0.19
(3,1437)	1:A:208:ALA:HB2	1:A:209:LYS:HA	10	0.19
(3,1437)	1:A:208:ALA:HB2	1:B:164:GLU:HA	10	0.19
(3,1437)	1:A:208:ALA:HB3	1:A:164:GLU:HA	10	0.19
(3,1437)	1:A:208:ALA:HB3	1:A:193:PHE:HA	10	0.19
(3,1437)	1:A:208:ALA:HB3	1:A:209:LYS:HA	10	0.19
(3,1437)	1:A:208:ALA:HB3	1:B:164:GLU:HA	10	0.19
(3,1437)	1:B:167:LYS:HB3	1:A:164:GLU:HA	10	0.19
(3,1437)	1:B:167:LYS:HB3	1:A:193:PHE:HA	10	0.19
(3,1437)	1:B:167:LYS:HB3	1:A:209:LYS:HA	10	0.19
(3,1437)	1:B:167:LYS:HB3	1:B:164:GLU:HA	10	0.19
(3,1401)	1:A:154:LEU:HG	1:A:159:CYS:HA	2	0.19
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB2	2	0.19
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB3	2	0.19
(3,1401)	1:A:154:LEU:HG	1:B:159:CYS:HA	2	0.19
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB2	2	0.19
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB3	2	0.19
(3,1401)	1:A:162:LEU:HB2	1:A:159:CYS:HA	2	0.19
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB2	2	0.19
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB3	2	0.19
(3,1401)	1:A:162:LEU:HB2	1:B:159:CYS:HA	2	0.19
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB2	2	0.19
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB3	2	0.19
(3,1401)	1:A:162:LEU:HD11	1:A:159:CYS:HA	2	0.19
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB2	2	0.19
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB3	2	0.19
(3,1401)	1:A:162:LEU:HD11	1:B:159:CYS:HA	2	0.19
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB2	2	0.19
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB3	2	0.19
(3,1401)	1:A:162:LEU:HD12	1:A:159:CYS:HA	2	0.19
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB2	2	0.19
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB3	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:A:162:LEU:HD12	1:B:159:CYS:HA	2	0.19
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB2	2	0.19
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB3	2	0.19
(3,1401)	1:A:162:LEU:HD13	1:A:159:CYS:HA	2	0.19
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB2	2	0.19
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB3	2	0.19
(3,1401)	1:A:162:LEU:HD13	1:B:159:CYS:HA	2	0.19
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB2	2	0.19
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB3	2	0.19
(3,1401)	1:A:162:LEU:HD21	1:A:159:CYS:HA	2	0.19
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB2	2	0.19
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB3	2	0.19
(3,1401)	1:A:162:LEU:HD21	1:B:159:CYS:HA	2	0.19
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB2	2	0.19
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB3	2	0.19
(3,1401)	1:A:162:LEU:HD22	1:A:159:CYS:HA	2	0.19
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB2	2	0.19
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB3	2	0.19
(3,1401)	1:A:162:LEU:HD22	1:B:159:CYS:HA	2	0.19
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB2	2	0.19
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB3	2	0.19
(3,1401)	1:A:162:LEU:HD23	1:A:159:CYS:HA	2	0.19
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB2	2	0.19
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB3	2	0.19
(3,1401)	1:A:162:LEU:HD23	1:B:159:CYS:HA	2	0.19
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB2	2	0.19
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB3	2	0.19
(3,1401)	1:A:180:LEU:HB2	1:A:159:CYS:HA	2	0.19
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB2	2	0.19
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB3	2	0.19
(3,1401)	1:A:180:LEU:HB2	1:B:159:CYS:HA	2	0.19
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB2	2	0.19
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB3	2	0.19
(3,1401)	1:A:182:LYS:HG2	1:A:159:CYS:HA	2	0.19
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB2	2	0.19
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB3	2	0.19
(3,1401)	1:A:182:LYS:HG2	1:B:159:CYS:HA	2	0.19
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB2	2	0.19
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB3	2	0.19
(3,1401)	1:A:183:ARG:HG2	1:A:159:CYS:HA	2	0.19
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB2	2	0.19
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB3	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:A:183:ARG:HG2	1:B:159:CYS:HA	2	0.19
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB2	2	0.19
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB3	2	0.19
(3,1401)	1:B:154:LEU:HG	1:A:159:CYS:HA	2	0.19
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB2	2	0.19
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB3	2	0.19
(3,1401)	1:B:154:LEU:HG	1:B:159:CYS:HA	2	0.19
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB2	2	0.19
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB3	2	0.19
(3,1401)	1:B:162:LEU:HB2	1:A:159:CYS:HA	2	0.19
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB2	2	0.19
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB3	2	0.19
(3,1401)	1:B:162:LEU:HB2	1:B:159:CYS:HA	2	0.19
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB2	2	0.19
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB3	2	0.19
(3,1401)	1:B:180:LEU:HB2	1:A:159:CYS:HA	2	0.19
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB2	2	0.19
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB3	2	0.19
(3,1401)	1:B:180:LEU:HB2	1:B:159:CYS:HA	2	0.19
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB2	2	0.19
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB3	2	0.19
(3,1401)	1:B:182:LYS:HG2	1:A:159:CYS:HA	2	0.19
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB2	2	0.19
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB3	2	0.19
(3,1401)	1:B:182:LYS:HG2	1:B:159:CYS:HA	2	0.19
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB2	2	0.19
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB3	2	0.19
(3,1401)	1:B:183:ARG:HG2	1:A:159:CYS:HA	2	0.19
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB2	2	0.19
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB3	2	0.19
(3,1401)	1:B:183:ARG:HG2	1:B:159:CYS:HA	2	0.19
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB2	2	0.19
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB3	2	0.19
(3,1401)	1:A:154:LEU:HG	1:A:159:CYS:HA	10	0.19
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB2	10	0.19
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB3	10	0.19
(3,1401)	1:A:154:LEU:HG	1:B:159:CYS:HA	10	0.19
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB2	10	0.19
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB3	10	0.19
(3,1401)	1:A:162:LEU:HB2	1:A:159:CYS:HA	10	0.19
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB2	10	0.19
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB3	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:A:162:LEU:HB2	1:B:159:CYS:HA	10	0.19
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB2	10	0.19
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB3	10	0.19
(3,1401)	1:A:162:LEU:HD11	1:A:159:CYS:HA	10	0.19
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB2	10	0.19
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB3	10	0.19
(3,1401)	1:A:162:LEU:HD11	1:B:159:CYS:HA	10	0.19
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB2	10	0.19
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB3	10	0.19
(3,1401)	1:A:162:LEU:HD12	1:A:159:CYS:HA	10	0.19
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB2	10	0.19
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB3	10	0.19
(3,1401)	1:A:162:LEU:HD12	1:B:159:CYS:HA	10	0.19
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB2	10	0.19
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB3	10	0.19
(3,1401)	1:A:162:LEU:HD13	1:A:159:CYS:HA	10	0.19
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB2	10	0.19
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB3	10	0.19
(3,1401)	1:A:162:LEU:HD13	1:B:159:CYS:HA	10	0.19
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB2	10	0.19
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB3	10	0.19
(3,1401)	1:A:162:LEU:HD21	1:A:159:CYS:HA	10	0.19
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB2	10	0.19
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB3	10	0.19
(3,1401)	1:A:162:LEU:HD21	1:B:159:CYS:HA	10	0.19
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB2	10	0.19
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB3	10	0.19
(3,1401)	1:A:162:LEU:HD22	1:A:159:CYS:HA	10	0.19
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB2	10	0.19
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB3	10	0.19
(3,1401)	1:A:162:LEU:HD22	1:B:159:CYS:HA	10	0.19
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB2	10	0.19
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB3	10	0.19
(3,1401)	1:A:162:LEU:HD23	1:A:159:CYS:HA	10	0.19
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB2	10	0.19
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB3	10	0.19
(3,1401)	1:A:162:LEU:HD23	1:B:159:CYS:HA	10	0.19
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB2	10	0.19
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB3	10	0.19
(3,1401)	1:A:180:LEU:HB2	1:A:159:CYS:HA	10	0.19
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB2	10	0.19
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB3	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:A:180:LEU:HB2	1:B:159:CYS:HA	10	0.19
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB2	10	0.19
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB3	10	0.19
(3,1401)	1:A:182:LYS:HG2	1:A:159:CYS:HA	10	0.19
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB2	10	0.19
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB3	10	0.19
(3,1401)	1:A:182:LYS:HG2	1:B:159:CYS:HA	10	0.19
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB2	10	0.19
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB3	10	0.19
(3,1401)	1:A:183:ARG:HG2	1:A:159:CYS:HA	10	0.19
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB2	10	0.19
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB3	10	0.19
(3,1401)	1:A:183:ARG:HG2	1:B:159:CYS:HA	10	0.19
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB2	10	0.19
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB3	10	0.19
(3,1401)	1:B:154:LEU:HG	1:A:159:CYS:HA	10	0.19
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB2	10	0.19
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB3	10	0.19
(3,1401)	1:B:154:LEU:HG	1:B:159:CYS:HA	10	0.19
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB2	10	0.19
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB3	10	0.19
(3,1401)	1:B:162:LEU:HB2	1:A:159:CYS:HA	10	0.19
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB2	10	0.19
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB3	10	0.19
(3,1401)	1:B:162:LEU:HB2	1:B:159:CYS:HA	10	0.19
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB2	10	0.19
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB3	10	0.19
(3,1401)	1:B:180:LEU:HB2	1:A:159:CYS:HA	10	0.19
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB2	10	0.19
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB3	10	0.19
(3,1401)	1:B:180:LEU:HB2	1:B:159:CYS:HA	10	0.19
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB2	10	0.19
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB3	10	0.19
(3,1401)	1:B:182:LYS:HG2	1:A:159:CYS:HA	10	0.19
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB2	10	0.19
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB3	10	0.19
(3,1401)	1:B:182:LYS:HG2	1:B:159:CYS:HA	10	0.19
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB2	10	0.19
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB3	10	0.19
(3,1401)	1:B:183:ARG:HG2	1:A:159:CYS:HA	10	0.19
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB2	10	0.19
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB3	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:B:183:ARG:HG2	1:B:159:CYS:HA	10	0.19
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB2	10	0.19
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB3	10	0.19
(3,1301)	1:A:158:GLU:HG2	1:A:158:GLU:H	4	0.19
(3,1301)	1:A:158:GLU:HG2	1:A:173:GLU:H	4	0.19
(3,1301)	1:A:158:GLU:HG2	1:B:173:GLU:H	4	0.19
(3,1301)	1:A:173:GLU:HG2	1:A:158:GLU:H	4	0.19
(3,1301)	1:A:173:GLU:HG2	1:A:173:GLU:H	4	0.19
(3,1301)	1:A:173:GLU:HG2	1:B:173:GLU:H	4	0.19
(3,1301)	1:B:173:GLU:HG2	1:A:158:GLU:H	4	0.19
(3,1301)	1:B:173:GLU:HG2	1:A:173:GLU:H	4	0.19
(3,1301)	1:B:173:GLU:HG2	1:B:173:GLU:H	4	0.19
(3,1271)	1:A:162:LEU:HA	1:A:166:GLU:H	3	0.19
(3,1271)	1:A:162:LEU:HA	1:B:166:GLU:H	3	0.19
(3,1271)	1:B:162:LEU:HA	1:A:166:GLU:H	3	0.19
(3,1271)	1:B:162:LEU:HA	1:B:166:GLU:H	3	0.19
(3,1271)	1:A:162:LEU:HA	1:A:166:GLU:H	9	0.19
(3,1271)	1:A:162:LEU:HA	1:B:166:GLU:H	9	0.19
(3,1271)	1:B:162:LEU:HA	1:A:166:GLU:H	9	0.19
(3,1271)	1:B:162:LEU:HA	1:B:166:GLU:H	9	0.19
(3,1207)	1:A:164:GLU:HG2	1:A:175:ALA:H	9	0.19
(3,1207)	1:A:164:GLU:HG2	1:B:175:ALA:H	9	0.19
(3,1207)	1:A:176:ASP:HB2	1:A:175:ALA:H	9	0.19
(3,1207)	1:A:176:ASP:HB2	1:B:175:ALA:H	9	0.19
(3,1207)	1:B:176:ASP:HB2	1:A:175:ALA:H	9	0.19
(3,1207)	1:B:176:ASP:HB2	1:B:175:ALA:H	9	0.19
(3,1199)	1:A:149:LYS:HA	1:A:149:LYS:H	5	0.19
(3,1199)	1:A:149:LYS:HA	1:A:166:GLU:H	5	0.19
(3,1199)	1:A:149:LYS:HA	1:B:149:LYS:H	5	0.19
(3,1199)	1:A:149:LYS:HA	1:B:166:GLU:H	5	0.19
(3,1199)	1:A:205:VAL:HA	1:A:149:LYS:H	5	0.19
(3,1199)	1:A:205:VAL:HA	1:A:166:GLU:H	5	0.19
(3,1199)	1:A:205:VAL:HA	1:B:149:LYS:H	5	0.19
(3,1199)	1:A:205:VAL:HA	1:B:166:GLU:H	5	0.19
(3,1199)	1:B:149:LYS:HA	1:A:149:LYS:H	5	0.19
(3,1199)	1:B:149:LYS:HA	1:A:166:GLU:H	5	0.19
(3,1199)	1:B:149:LYS:HA	1:B:149:LYS:H	5	0.19
(3,1199)	1:B:149:LYS:HA	1:B:166:GLU:H	5	0.19
(3,1199)	1:B:205:VAL:HA	1:A:149:LYS:H	5	0.19
(3,1199)	1:B:205:VAL:HA	1:A:166:GLU:H	5	0.19
(3,1199)	1:B:205:VAL:HA	1:B:149:LYS:H	5	0.19
(3,1199)	1:B:205:VAL:HA	1:B:166:GLU:H	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1174)	1:A:169:PHE:HA	1:A:201:ARG:H	10	0.19
(3,1174)	1:A:169:PHE:HA	1:B:201:ARG:H	10	0.19
(3,1174)	1:B:169:PHE:HA	1:A:201:ARG:H	10	0.19
(3,1174)	1:B:169:PHE:HA	1:B:201:ARG:H	10	0.19
(3,1121)	1:A:157:ARG:HB2	1:A:162:LEU:H	9	0.19
(3,1121)	1:A:157:ARG:HB2	1:B:162:LEU:H	9	0.19
(3,1121)	1:A:158:GLU:HG3	1:A:162:LEU:H	9	0.19
(3,1121)	1:A:158:GLU:HG3	1:B:162:LEU:H	9	0.19
(3,1121)	1:A:163:GLN:HB2	1:A:162:LEU:H	9	0.19
(3,1121)	1:A:163:GLN:HB2	1:B:162:LEU:H	9	0.19
(3,1121)	1:A:166:GLU:HG2	1:A:162:LEU:H	9	0.19
(3,1121)	1:A:166:GLU:HG2	1:B:162:LEU:H	9	0.19
(3,1121)	1:A:192:ILE:HB	1:A:162:LEU:H	9	0.19
(3,1121)	1:A:192:ILE:HB	1:B:162:LEU:H	9	0.19
(3,1121)	1:B:151:GLN:HB2	1:A:162:LEU:H	9	0.19
(3,1121)	1:B:151:GLN:HB2	1:B:162:LEU:H	9	0.19
(3,1121)	1:B:158:GLU:HG3	1:A:162:LEU:H	9	0.19
(3,1121)	1:B:158:GLU:HG3	1:B:162:LEU:H	9	0.19
(3,1121)	1:B:163:GLN:HB2	1:A:162:LEU:H	9	0.19
(3,1121)	1:B:163:GLN:HB2	1:B:162:LEU:H	9	0.19
(3,1121)	1:B:166:GLU:HG2	1:A:162:LEU:H	9	0.19
(3,1121)	1:B:166:GLU:HG2	1:B:162:LEU:H	9	0.19
(3,1121)	1:B:192:ILE:HB	1:A:162:LEU:H	9	0.19
(3,1121)	1:B:192:ILE:HB	1:B:162:LEU:H	9	0.19
(3,1121)	1:A:157:ARG:HB2	1:A:162:LEU:H	10	0.19
(3,1121)	1:A:157:ARG:HB2	1:B:162:LEU:H	10	0.19
(3,1121)	1:A:158:GLU:HG3	1:A:162:LEU:H	10	0.19
(3,1121)	1:A:158:GLU:HG3	1:B:162:LEU:H	10	0.19
(3,1121)	1:A:163:GLN:HB2	1:A:162:LEU:H	10	0.19
(3,1121)	1:A:163:GLN:HB2	1:B:162:LEU:H	10	0.19
(3,1121)	1:A:166:GLU:HG2	1:A:162:LEU:H	10	0.19
(3,1121)	1:A:166:GLU:HG2	1:B:162:LEU:H	10	0.19
(3,1121)	1:A:192:ILE:HB	1:A:162:LEU:H	10	0.19
(3,1121)	1:A:192:ILE:HB	1:B:162:LEU:H	10	0.19
(3,1121)	1:B:151:GLN:HB2	1:A:162:LEU:H	10	0.19
(3,1121)	1:B:151:GLN:HB2	1:B:162:LEU:H	10	0.19
(3,1121)	1:B:158:GLU:HG3	1:A:162:LEU:H	10	0.19
(3,1121)	1:B:158:GLU:HG3	1:B:162:LEU:H	10	0.19
(3,1121)	1:B:163:GLN:HB2	1:A:162:LEU:H	10	0.19
(3,1121)	1:B:163:GLN:HB2	1:B:162:LEU:H	10	0.19
(3,1121)	1:B:166:GLU:HG2	1:A:162:LEU:H	10	0.19
(3,1121)	1:B:166:GLU:HG2	1:B:162:LEU:H	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1121)	1:B:192:ILE:HB	1:A:162:LEU:H	10	0.19
(3,1121)	1:B:192:ILE:HB	1:B:162:LEU:H	10	0.19
(3,1120)	1:A:158:GLU:HG2	1:A:162:LEU:H	2	0.19
(3,1120)	1:A:158:GLU:HG2	1:B:162:LEU:H	2	0.19
(3,1120)	1:A:163:GLN:HG3	1:A:162:LEU:H	2	0.19
(3,1120)	1:A:163:GLN:HG3	1:B:162:LEU:H	2	0.19
(3,1120)	1:B:158:GLU:HG2	1:A:162:LEU:H	2	0.19
(3,1120)	1:B:158:GLU:HG2	1:B:162:LEU:H	2	0.19
(3,1120)	1:B:163:GLN:HG3	1:A:162:LEU:H	2	0.19
(3,1120)	1:B:163:GLN:HG3	1:B:162:LEU:H	2	0.19
(3,1120)	1:A:158:GLU:HG2	1:A:162:LEU:H	4	0.19
(3,1120)	1:A:158:GLU:HG2	1:B:162:LEU:H	4	0.19
(3,1120)	1:A:163:GLN:HG3	1:A:162:LEU:H	4	0.19
(3,1120)	1:A:163:GLN:HG3	1:B:162:LEU:H	4	0.19
(3,1120)	1:B:158:GLU:HG2	1:A:162:LEU:H	4	0.19
(3,1120)	1:B:158:GLU:HG2	1:B:162:LEU:H	4	0.19
(3,1120)	1:B:163:GLN:HG3	1:A:162:LEU:H	4	0.19
(3,1120)	1:B:163:GLN:HG3	1:B:162:LEU:H	4	0.19
(3,1120)	1:A:158:GLU:HG2	1:A:162:LEU:H	6	0.19
(3,1120)	1:A:158:GLU:HG2	1:B:162:LEU:H	6	0.19
(3,1120)	1:A:163:GLN:HG3	1:A:162:LEU:H	6	0.19
(3,1120)	1:A:163:GLN:HG3	1:B:162:LEU:H	6	0.19
(3,1120)	1:B:158:GLU:HG2	1:A:162:LEU:H	6	0.19
(3,1120)	1:B:158:GLU:HG2	1:B:162:LEU:H	6	0.19
(3,1120)	1:B:163:GLN:HG3	1:A:162:LEU:H	6	0.19
(3,1120)	1:B:163:GLN:HG3	1:B:162:LEU:H	6	0.19
(2,83)	1:B:201:ARG:O	1:B:205:VAL:H	3	0.19
(2,83)	1:B:201:ARG:O	1:B:205:VAL:H	6	0.19
(2,81)	1:A:201:ARG:O	1:A:205:VAL:H	7	0.19
(2,81)	1:A:201:ARG:O	1:A:205:VAL:H	9	0.19
(2,44)	1:B:170:THR:O	1:B:174:ILE:H	10	0.19
(2,42)	1:A:170:THR:O	1:A:174:ILE:H	8	0.19
(1,713)	1:B:179:HIS:H	1:B:181:SER:HA	8	0.19
(1,712)	1:A:179:HIS:H	1:A:181:SER:HA	2	0.19
(1,712)	1:A:179:HIS:H	1:A:181:SER:HA	8	0.19
(1,712)	1:A:179:HIS:H	1:A:181:SER:HA	10	0.19
(1,663)	1:B:201:ARG:H	1:B:193:PHE:H	6	0.19
(1,243)	1:B:152:ASP:H	1:B:154:LEU:HA	2	0.19
(1,243)	1:B:152:ASP:H	1:B:154:LEU:HA	7	0.19
(1,1855)	1:A:168:GLY:HA3	1:A:205:VAL:H	2	0.19
(1,1855)	1:A:168:GLY:HA3	1:B:205:VAL:H	2	0.19
(1,1855)	1:A:189:LEU:HA	1:A:205:VAL:H	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1855)	1:A:189:LEU:HA	1:B:205:VAL:H	2	0.19
(1,1855)	1:B:168:GLY:HA3	1:A:205:VAL:H	2	0.19
(1,1855)	1:B:168:GLY:HA3	1:B:205:VAL:H	2	0.19
(1,1855)	1:B:189:LEU:HA	1:A:205:VAL:H	2	0.19
(1,1855)	1:B:189:LEU:HA	1:B:205:VAL:H	2	0.19
(1,1855)	1:B:193:PHE:HB2	1:A:205:VAL:H	2	0.19
(1,1855)	1:B:193:PHE:HB2	1:B:205:VAL:H	2	0.19
(1,1832)	1:A:151:GLN:HA	1:A:160:LEU:H	4	0.19
(1,1832)	1:A:151:GLN:HA	1:B:160:LEU:H	4	0.19
(1,1832)	1:A:164:GLU:HA	1:A:160:LEU:H	4	0.19
(1,1832)	1:A:164:GLU:HA	1:B:160:LEU:H	4	0.19
(1,1832)	1:A:171:ASN:HA	1:A:160:LEU:H	4	0.19
(1,1832)	1:A:171:ASN:HA	1:B:160:LEU:H	4	0.19
(1,1832)	1:A:178:LEU:HA	1:A:160:LEU:H	4	0.19
(1,1832)	1:A:178:LEU:HA	1:B:160:LEU:H	4	0.19
(1,1832)	1:A:188:SER:HA	1:A:160:LEU:H	4	0.19
(1,1832)	1:A:188:SER:HA	1:B:160:LEU:H	4	0.19
(1,1832)	1:A:205:VAL:HA	1:A:160:LEU:H	4	0.19
(1,1832)	1:A:205:VAL:HA	1:B:160:LEU:H	4	0.19
(1,1832)	1:B:151:GLN:HA	1:A:160:LEU:H	4	0.19
(1,1832)	1:B:151:GLN:HA	1:B:160:LEU:H	4	0.19
(1,1832)	1:B:164:GLU:HA	1:A:160:LEU:H	4	0.19
(1,1832)	1:B:164:GLU:HA	1:B:160:LEU:H	4	0.19
(1,1832)	1:B:171:ASN:HA	1:A:160:LEU:H	4	0.19
(1,1832)	1:B:171:ASN:HA	1:B:160:LEU:H	4	0.19
(1,1832)	1:B:178:LEU:HA	1:A:160:LEU:H	4	0.19
(1,1832)	1:B:178:LEU:HA	1:B:160:LEU:H	4	0.19
(1,1832)	1:B:188:SER:HA	1:A:160:LEU:H	4	0.19
(1,1832)	1:B:188:SER:HA	1:B:160:LEU:H	4	0.19
(1,1800)	1:A:177:ALA:H	1:A:168:GLY:H	1	0.19
(1,1800)	1:A:177:ALA:H	1:B:168:GLY:H	1	0.19
(1,1800)	1:A:202:THR:H	1:A:168:GLY:H	1	0.19
(1,1800)	1:A:202:THR:H	1:B:168:GLY:H	1	0.19
(1,1800)	1:B:177:ALA:H	1:A:168:GLY:H	1	0.19
(1,1800)	1:B:177:ALA:H	1:B:168:GLY:H	1	0.19
(1,1800)	1:B:202:THR:H	1:A:168:GLY:H	1	0.19
(1,1800)	1:B:202:THR:H	1:B:168:GLY:H	1	0.19
(1,1800)	1:A:177:ALA:H	1:A:168:GLY:H	6	0.19
(1,1800)	1:A:177:ALA:H	1:B:168:GLY:H	6	0.19
(1,1800)	1:A:202:THR:H	1:A:168:GLY:H	6	0.19
(1,1800)	1:A:202:THR:H	1:B:168:GLY:H	6	0.19
(1,1800)	1:B:177:ALA:H	1:A:168:GLY:H	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:B:177:ALA:H	1:B:168:GLY:H	6	0.19
(1,1800)	1:B:202:THR:H	1:A:168:GLY:H	6	0.19
(1,1800)	1:B:202:THR:H	1:B:168:GLY:H	6	0.19
(1,1763)	1:A:211:ASP:HA	1:A:146:SER:H	4	0.19
(1,1763)	1:A:211:ASP:HA	1:A:209:LYS:H	4	0.19
(1,1763)	1:A:211:ASP:HA	1:B:146:SER:H	4	0.19
(1,1763)	1:A:211:ASP:HA	1:B:209:LYS:H	4	0.19
(1,1763)	1:B:211:ASP:HA	1:A:146:SER:H	4	0.19
(1,1763)	1:B:211:ASP:HA	1:A:209:LYS:H	4	0.19
(1,1763)	1:B:211:ASP:HA	1:B:146:SER:H	4	0.19
(1,1763)	1:B:211:ASP:HA	1:B:209:LYS:H	4	0.19
(1,1763)	1:A:211:ASP:HA	1:A:146:SER:H	9	0.19
(1,1763)	1:A:211:ASP:HA	1:A:209:LYS:H	9	0.19
(1,1763)	1:A:211:ASP:HA	1:B:146:SER:H	9	0.19
(1,1763)	1:A:211:ASP:HA	1:B:209:LYS:H	9	0.19
(1,1763)	1:B:211:ASP:HA	1:A:146:SER:H	9	0.19
(1,1763)	1:B:211:ASP:HA	1:A:209:LYS:H	9	0.19
(1,1763)	1:B:211:ASP:HA	1:B:146:SER:H	9	0.19
(1,1763)	1:B:211:ASP:HA	1:B:209:LYS:H	9	0.19
(1,152)	1:B:175:ALA:H	1:B:186:GLU:H	4	0.19
(1,152)	1:B:175:ALA:H	1:B:186:GLU:H	5	0.19
(1,152)	1:B:175:ALA:H	1:B:186:GLU:H	7	0.19
(1,152)	1:B:175:ALA:H	1:B:186:GLU:H	9	0.19
(1,151)	1:A:175:ALA:H	1:A:186:GLU:H	8	0.19
(3,994)	1:A:198:VAL:HG11	1:A:200:SER:H	2	0.18
(3,994)	1:A:198:VAL:HG11	1:B:200:SER:H	2	0.18
(3,994)	1:A:198:VAL:HG12	1:A:200:SER:H	2	0.18
(3,994)	1:A:198:VAL:HG12	1:B:200:SER:H	2	0.18
(3,994)	1:A:198:VAL:HG13	1:A:200:SER:H	2	0.18
(3,994)	1:A:198:VAL:HG13	1:B:200:SER:H	2	0.18
(3,994)	1:B:198:VAL:HG11	1:A:200:SER:H	2	0.18
(3,994)	1:B:198:VAL:HG11	1:B:200:SER:H	2	0.18
(3,994)	1:A:198:VAL:HG11	1:A:200:SER:H	8	0.18
(3,994)	1:A:198:VAL:HG11	1:B:200:SER:H	8	0.18
(3,994)	1:A:198:VAL:HG12	1:A:200:SER:H	8	0.18
(3,994)	1:A:198:VAL:HG12	1:B:200:SER:H	8	0.18
(3,994)	1:A:198:VAL:HG13	1:A:200:SER:H	8	0.18
(3,994)	1:A:198:VAL:HG13	1:B:200:SER:H	8	0.18
(3,994)	1:B:198:VAL:HG11	1:A:200:SER:H	8	0.18
(3,994)	1:B:198:VAL:HG11	1:B:200:SER:H	8	0.18
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG11	3	0.18
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG12	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG13	3	0.18
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG11	5	0.18
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG12	5	0.18
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG13	5	0.18
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG11	8	0.18
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG12	8	0.18
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG13	8	0.18
(3,914)	1:A:162:LEU:HG	1:A:163:GLN:H	3	0.18
(3,914)	1:A:162:LEU:HG	1:A:188:SER:H	3	0.18
(3,914)	1:A:162:LEU:HG	1:B:163:GLN:H	3	0.18
(3,914)	1:A:162:LEU:HG	1:B:188:SER:H	3	0.18
(3,914)	1:A:185:ILE:HB	1:A:163:GLN:H	3	0.18
(3,914)	1:A:185:ILE:HB	1:A:188:SER:H	3	0.18
(3,914)	1:A:185:ILE:HB	1:B:163:GLN:H	3	0.18
(3,914)	1:A:185:ILE:HB	1:B:188:SER:H	3	0.18
(3,914)	1:B:162:LEU:HG	1:A:163:GLN:H	3	0.18
(3,914)	1:B:162:LEU:HG	1:A:188:SER:H	3	0.18
(3,914)	1:B:162:LEU:HG	1:B:163:GLN:H	3	0.18
(3,914)	1:B:162:LEU:HG	1:B:188:SER:H	3	0.18
(3,914)	1:B:185:ILE:HB	1:A:163:GLN:H	3	0.18
(3,914)	1:B:185:ILE:HB	1:A:188:SER:H	3	0.18
(3,914)	1:B:185:ILE:HB	1:B:163:GLN:H	3	0.18
(3,914)	1:B:185:ILE:HB	1:B:188:SER:H	3	0.18
(3,914)	1:A:162:LEU:HG	1:A:163:GLN:H	5	0.18
(3,914)	1:A:162:LEU:HG	1:A:188:SER:H	5	0.18
(3,914)	1:A:162:LEU:HG	1:B:163:GLN:H	5	0.18
(3,914)	1:A:162:LEU:HG	1:B:188:SER:H	5	0.18
(3,914)	1:A:185:ILE:HB	1:A:163:GLN:H	5	0.18
(3,914)	1:A:185:ILE:HB	1:A:188:SER:H	5	0.18
(3,914)	1:A:185:ILE:HB	1:B:163:GLN:H	5	0.18
(3,914)	1:A:185:ILE:HB	1:B:188:SER:H	5	0.18
(3,914)	1:B:162:LEU:HG	1:A:163:GLN:H	5	0.18
(3,914)	1:B:162:LEU:HG	1:A:188:SER:H	5	0.18
(3,914)	1:B:162:LEU:HG	1:B:163:GLN:H	5	0.18
(3,914)	1:B:162:LEU:HG	1:B:188:SER:H	5	0.18
(3,914)	1:B:185:ILE:HB	1:A:163:GLN:H	5	0.18
(3,914)	1:B:185:ILE:HB	1:A:188:SER:H	5	0.18
(3,914)	1:B:185:ILE:HB	1:B:163:GLN:H	5	0.18
(3,914)	1:B:185:ILE:HB	1:B:188:SER:H	5	0.18
(3,914)	1:A:162:LEU:HG	1:A:163:GLN:H	6	0.18
(3,914)	1:A:162:LEU:HG	1:A:188:SER:H	6	0.18
(3,914)	1:A:162:LEU:HG	1:B:163:GLN:H	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,914)	1:A:162:LEU:HG	1:B:188:SER:H	6	0.18
(3,914)	1:A:185:ILE:HB	1:A:163:GLN:H	6	0.18
(3,914)	1:A:185:ILE:HB	1:A:188:SER:H	6	0.18
(3,914)	1:A:185:ILE:HB	1:B:163:GLN:H	6	0.18
(3,914)	1:A:185:ILE:HB	1:B:188:SER:H	6	0.18
(3,914)	1:B:162:LEU:HG	1:A:163:GLN:H	6	0.18
(3,914)	1:B:162:LEU:HG	1:A:188:SER:H	6	0.18
(3,914)	1:B:162:LEU:HG	1:B:163:GLN:H	6	0.18
(3,914)	1:B:162:LEU:HG	1:B:188:SER:H	6	0.18
(3,914)	1:B:185:ILE:HB	1:A:163:GLN:H	6	0.18
(3,914)	1:B:185:ILE:HB	1:A:188:SER:H	6	0.18
(3,914)	1:B:185:ILE:HB	1:B:163:GLN:H	6	0.18
(3,914)	1:B:185:ILE:HB	1:B:188:SER:H	6	0.18
(3,875)	1:A:171:ASN:HA	1:A:171:ASN:H	3	0.18
(3,875)	1:A:171:ASN:HA	1:B:171:ASN:H	3	0.18
(3,875)	1:B:171:ASN:HA	1:A:171:ASN:H	3	0.18
(3,875)	1:B:171:ASN:HA	1:B:171:ASN:H	3	0.18
(3,875)	1:A:171:ASN:HA	1:A:171:ASN:H	4	0.18
(3,875)	1:A:171:ASN:HA	1:B:171:ASN:H	4	0.18
(3,875)	1:B:171:ASN:HA	1:A:171:ASN:H	4	0.18
(3,875)	1:B:171:ASN:HA	1:B:171:ASN:H	4	0.18
(3,875)	1:A:171:ASN:HA	1:A:171:ASN:H	5	0.18
(3,875)	1:A:171:ASN:HA	1:B:171:ASN:H	5	0.18
(3,875)	1:B:171:ASN:HA	1:A:171:ASN:H	5	0.18
(3,875)	1:B:171:ASN:HA	1:B:171:ASN:H	5	0.18
(3,875)	1:A:171:ASN:HA	1:A:171:ASN:H	9	0.18
(3,875)	1:A:171:ASN:HA	1:B:171:ASN:H	9	0.18
(3,875)	1:B:171:ASN:HA	1:A:171:ASN:H	9	0.18
(3,875)	1:B:171:ASN:HA	1:B:171:ASN:H	9	0.18
(3,875)	1:A:171:ASN:HA	1:A:171:ASN:H	10	0.18
(3,875)	1:A:171:ASN:HA	1:B:171:ASN:H	10	0.18
(3,875)	1:B:171:ASN:HA	1:A:171:ASN:H	10	0.18
(3,875)	1:B:171:ASN:HA	1:B:171:ASN:H	10	0.18
(3,844)	1:A:201:ARG:HB2	1:A:201:ARG:H	2	0.18
(3,844)	1:A:201:ARG:HB2	1:B:201:ARG:H	2	0.18
(3,844)	1:A:203:GLU:HB2	1:A:201:ARG:H	2	0.18
(3,844)	1:A:203:GLU:HB2	1:B:201:ARG:H	2	0.18
(3,844)	1:B:201:ARG:HB2	1:A:201:ARG:H	2	0.18
(3,844)	1:B:201:ARG:HB2	1:B:201:ARG:H	2	0.18
(3,844)	1:B:203:GLU:HB2	1:A:201:ARG:H	2	0.18
(3,844)	1:B:203:GLU:HB2	1:B:201:ARG:H	2	0.18
(3,719)	1:B:149:LYS:HB2	1:B:153:VAL:HB	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,719)	1:B:149:LYS:HB3	1:B:153:VAL:HB	6	0.18
(3,719)	1:B:149:LYS:HB2	1:B:153:VAL:HB	10	0.18
(3,719)	1:B:149:LYS:HB3	1:B:153:VAL:HB	10	0.18
(3,68)	1:A:212:GLY:H	1:A:211:ASP:H	6	0.18
(3,570)	1:B:178:LEU:HD11	1:B:157:ARG:HD2	4	0.18
(3,570)	1:B:178:LEU:HD11	1:B:157:ARG:HD3	4	0.18
(3,570)	1:B:178:LEU:HD12	1:B:157:ARG:HD2	4	0.18
(3,570)	1:B:178:LEU:HD12	1:B:157:ARG:HD3	4	0.18
(3,570)	1:B:178:LEU:HD13	1:B:157:ARG:HD2	4	0.18
(3,570)	1:B:178:LEU:HD13	1:B:157:ARG:HD3	4	0.18
(3,513)	1:A:209:LYS:HE2	1:B:209:LYS:HB3	8	0.18
(3,513)	1:A:209:LYS:HE3	1:B:209:LYS:HB3	8	0.18
(3,494)	1:B:149:LYS:HA	1:B:149:LYS:HG2	5	0.18
(3,494)	1:B:149:LYS:HA	1:B:149:LYS:HG3	5	0.18
(3,47)	1:B:210:SER:H	1:B:209:LYS:HB3	9	0.18
(3,465)	1:A:210:SER:HA	1:B:209:LYS:HD3	2	0.18
(3,465)	1:A:210:SER:HA	1:B:209:LYS:HD3	6	0.18
(3,4)	1:B:154:LEU:H	1:B:154:LEU:HB2	4	0.18
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD11	8	0.18
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD12	8	0.18
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD13	8	0.18
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD11	10	0.18
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD12	10	0.18
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD13	10	0.18
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG21	7	0.18
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG22	7	0.18
(3,347)	1:B:203:GLU:H	1:B:202:THR:HG23	7	0.18
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG21	7	0.18
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG22	7	0.18
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG23	7	0.18
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG21	10	0.18
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG22	10	0.18
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG23	10	0.18
(3,221)	1:B:158:GLU:H	1:B:157:ARG:HB3	1	0.18
(3,163)	1:B:192:ILE:H	1:B:191:SER:H	7	0.18
(3,163)	1:B:192:ILE:H	1:B:191:SER:H	9	0.18
(3,163)	1:B:192:ILE:H	1:B:191:SER:H	10	0.18
(3,162)	1:A:192:ILE:H	1:A:191:SER:H	2	0.18
(3,1437)	1:A:167:LYS:HB3	1:A:164:GLU:HA	3	0.18
(3,1437)	1:A:167:LYS:HB3	1:A:193:PHE:HA	3	0.18
(3,1437)	1:A:167:LYS:HB3	1:A:209:LYS:HA	3	0.18
(3,1437)	1:A:167:LYS:HB3	1:B:164:GLU:HA	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1437)	1:A:192:ILE:HG21	1:A:164:GLU:HA	3	0.18
(3,1437)	1:A:192:ILE:HG21	1:A:193:PHE:HA	3	0.18
(3,1437)	1:A:192:ILE:HG21	1:A:209:LYS:HA	3	0.18
(3,1437)	1:A:192:ILE:HG21	1:B:164:GLU:HA	3	0.18
(3,1437)	1:A:192:ILE:HG22	1:A:164:GLU:HA	3	0.18
(3,1437)	1:A:192:ILE:HG22	1:A:193:PHE:HA	3	0.18
(3,1437)	1:A:192:ILE:HG22	1:A:209:LYS:HA	3	0.18
(3,1437)	1:A:192:ILE:HG22	1:B:164:GLU:HA	3	0.18
(3,1437)	1:A:192:ILE:HG23	1:A:164:GLU:HA	3	0.18
(3,1437)	1:A:192:ILE:HG23	1:A:193:PHE:HA	3	0.18
(3,1437)	1:A:192:ILE:HG23	1:A:209:LYS:HA	3	0.18
(3,1437)	1:A:192:ILE:HG23	1:B:164:GLU:HA	3	0.18
(3,1437)	1:A:208:ALA:HB1	1:A:164:GLU:HA	3	0.18
(3,1437)	1:A:208:ALA:HB1	1:A:193:PHE:HA	3	0.18
(3,1437)	1:A:208:ALA:HB1	1:A:209:LYS:HA	3	0.18
(3,1437)	1:A:208:ALA:HB1	1:B:164:GLU:HA	3	0.18
(3,1437)	1:A:208:ALA:HB2	1:A:164:GLU:HA	3	0.18
(3,1437)	1:A:208:ALA:HB2	1:A:193:PHE:HA	3	0.18
(3,1437)	1:A:208:ALA:HB2	1:A:209:LYS:HA	3	0.18
(3,1437)	1:A:208:ALA:HB2	1:B:164:GLU:HA	3	0.18
(3,1437)	1:A:208:ALA:HB3	1:A:164:GLU:HA	3	0.18
(3,1437)	1:A:208:ALA:HB3	1:A:193:PHE:HA	3	0.18
(3,1437)	1:A:208:ALA:HB3	1:A:209:LYS:HA	3	0.18
(3,1437)	1:A:208:ALA:HB3	1:B:164:GLU:HA	3	0.18
(3,1437)	1:B:167:LYS:HB3	1:A:164:GLU:HA	3	0.18
(3,1437)	1:B:167:LYS:HB3	1:A:193:PHE:HA	3	0.18
(3,1437)	1:B:167:LYS:HB3	1:A:209:LYS:HA	3	0.18
(3,1437)	1:B:167:LYS:HB3	1:B:164:GLU:HA	3	0.18
(3,1402)	1:A:170:THR:HA	1:A:202:THR:HA	10	0.18
(3,1402)	1:A:170:THR:HA	1:B:181:SER:HB2	10	0.18
(3,1402)	1:A:170:THR:HA	1:B:202:THR:HA	10	0.18
(3,1402)	1:B:170:THR:HA	1:A:202:THR:HA	10	0.18
(3,1402)	1:B:170:THR:HA	1:B:181:SER:HB2	10	0.18
(3,1402)	1:B:170:THR:HA	1:B:202:THR:HA	10	0.18
(3,1402)	1:B:180:LEU:HA	1:A:202:THR:HA	10	0.18
(3,1402)	1:B:180:LEU:HA	1:B:181:SER:HB2	10	0.18
(3,1402)	1:B:180:LEU:HA	1:B:202:THR:HA	10	0.18
(3,1401)	1:A:154:LEU:HG	1:A:159:CYS:HA	7	0.18
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB2	7	0.18
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB3	7	0.18
(3,1401)	1:A:154:LEU:HG	1:B:159:CYS:HA	7	0.18
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB2	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB3	7	0.18
(3,1401)	1:A:162:LEU:HB2	1:A:159:CYS:HA	7	0.18
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB2	7	0.18
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB3	7	0.18
(3,1401)	1:A:162:LEU:HB2	1:B:159:CYS:HA	7	0.18
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB2	7	0.18
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB3	7	0.18
(3,1401)	1:A:162:LEU:HD11	1:A:159:CYS:HA	7	0.18
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB2	7	0.18
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB3	7	0.18
(3,1401)	1:A:162:LEU:HD11	1:B:159:CYS:HA	7	0.18
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB2	7	0.18
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB3	7	0.18
(3,1401)	1:A:162:LEU:HD12	1:A:159:CYS:HA	7	0.18
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB2	7	0.18
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB3	7	0.18
(3,1401)	1:A:162:LEU:HD12	1:B:159:CYS:HA	7	0.18
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB2	7	0.18
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB3	7	0.18
(3,1401)	1:A:162:LEU:HD13	1:A:159:CYS:HA	7	0.18
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB2	7	0.18
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB3	7	0.18
(3,1401)	1:A:162:LEU:HD13	1:B:159:CYS:HA	7	0.18
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB2	7	0.18
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB3	7	0.18
(3,1401)	1:A:162:LEU:HD21	1:A:159:CYS:HA	7	0.18
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB2	7	0.18
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB3	7	0.18
(3,1401)	1:A:162:LEU:HD21	1:B:159:CYS:HA	7	0.18
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB2	7	0.18
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB3	7	0.18
(3,1401)	1:A:162:LEU:HD22	1:A:159:CYS:HA	7	0.18
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB2	7	0.18
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB3	7	0.18
(3,1401)	1:A:162:LEU:HD22	1:B:159:CYS:HA	7	0.18
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB2	7	0.18
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB3	7	0.18
(3,1401)	1:A:162:LEU:HD23	1:A:159:CYS:HA	7	0.18
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB2	7	0.18
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB3	7	0.18
(3,1401)	1:A:162:LEU:HD23	1:B:159:CYS:HA	7	0.18
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB2	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB3	7	0.18
(3,1401)	1:A:180:LEU:HB2	1:A:159:CYS:HA	7	0.18
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB2	7	0.18
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB3	7	0.18
(3,1401)	1:A:180:LEU:HB2	1:B:159:CYS:HA	7	0.18
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB2	7	0.18
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB3	7	0.18
(3,1401)	1:A:182:LYS:HG2	1:A:159:CYS:HA	7	0.18
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB2	7	0.18
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB3	7	0.18
(3,1401)	1:A:182:LYS:HG2	1:B:159:CYS:HA	7	0.18
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB2	7	0.18
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB3	7	0.18
(3,1401)	1:A:183:ARG:HG2	1:A:159:CYS:HA	7	0.18
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB2	7	0.18
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB3	7	0.18
(3,1401)	1:A:183:ARG:HG2	1:B:159:CYS:HA	7	0.18
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB2	7	0.18
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB3	7	0.18
(3,1401)	1:B:154:LEU:HG	1:A:159:CYS:HA	7	0.18
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB2	7	0.18
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB3	7	0.18
(3,1401)	1:B:154:LEU:HG	1:B:159:CYS:HA	7	0.18
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB2	7	0.18
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB3	7	0.18
(3,1401)	1:B:162:LEU:HB2	1:A:159:CYS:HA	7	0.18
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB2	7	0.18
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB3	7	0.18
(3,1401)	1:B:162:LEU:HB2	1:B:159:CYS:HA	7	0.18
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB2	7	0.18
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB3	7	0.18
(3,1401)	1:B:180:LEU:HB2	1:A:159:CYS:HA	7	0.18
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB2	7	0.18
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB3	7	0.18
(3,1401)	1:B:180:LEU:HB2	1:B:159:CYS:HA	7	0.18
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB2	7	0.18
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB3	7	0.18
(3,1401)	1:B:182:LYS:HG2	1:A:159:CYS:HA	7	0.18
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB2	7	0.18
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB3	7	0.18
(3,1401)	1:B:182:LYS:HG2	1:B:159:CYS:HA	7	0.18
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB2	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB3	7	0.18
(3,1401)	1:B:183:ARG:HG2	1:A:159:CYS:HA	7	0.18
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB2	7	0.18
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB3	7	0.18
(3,1401)	1:B:183:ARG:HG2	1:B:159:CYS:HA	7	0.18
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB2	7	0.18
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB3	7	0.18
(3,1401)	1:A:154:LEU:HG	1:A:159:CYS:HA	8	0.18
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB2	8	0.18
(3,1401)	1:A:154:LEU:HG	1:A:181:SER:HB3	8	0.18
(3,1401)	1:A:154:LEU:HG	1:B:159:CYS:HA	8	0.18
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB2	8	0.18
(3,1401)	1:A:154:LEU:HG	1:B:181:SER:HB3	8	0.18
(3,1401)	1:A:162:LEU:HB2	1:A:159:CYS:HA	8	0.18
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB2	8	0.18
(3,1401)	1:A:162:LEU:HB2	1:A:181:SER:HB3	8	0.18
(3,1401)	1:A:162:LEU:HB2	1:B:159:CYS:HA	8	0.18
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB2	8	0.18
(3,1401)	1:A:162:LEU:HB2	1:B:181:SER:HB3	8	0.18
(3,1401)	1:A:162:LEU:HD11	1:A:159:CYS:HA	8	0.18
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB2	8	0.18
(3,1401)	1:A:162:LEU:HD11	1:A:181:SER:HB3	8	0.18
(3,1401)	1:A:162:LEU:HD11	1:B:159:CYS:HA	8	0.18
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB2	8	0.18
(3,1401)	1:A:162:LEU:HD11	1:B:181:SER:HB3	8	0.18
(3,1401)	1:A:162:LEU:HD12	1:A:159:CYS:HA	8	0.18
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB2	8	0.18
(3,1401)	1:A:162:LEU:HD12	1:A:181:SER:HB3	8	0.18
(3,1401)	1:A:162:LEU:HD12	1:B:159:CYS:HA	8	0.18
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB2	8	0.18
(3,1401)	1:A:162:LEU:HD12	1:B:181:SER:HB3	8	0.18
(3,1401)	1:A:162:LEU:HD13	1:A:159:CYS:HA	8	0.18
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB2	8	0.18
(3,1401)	1:A:162:LEU:HD13	1:A:181:SER:HB3	8	0.18
(3,1401)	1:A:162:LEU:HD13	1:B:159:CYS:HA	8	0.18
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB2	8	0.18
(3,1401)	1:A:162:LEU:HD13	1:B:181:SER:HB3	8	0.18
(3,1401)	1:A:162:LEU:HD21	1:A:159:CYS:HA	8	0.18
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB2	8	0.18
(3,1401)	1:A:162:LEU:HD21	1:A:181:SER:HB3	8	0.18
(3,1401)	1:A:162:LEU:HD21	1:B:159:CYS:HA	8	0.18
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB2	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:A:162:LEU:HD21	1:B:181:SER:HB3	8	0.18
(3,1401)	1:A:162:LEU:HD22	1:A:159:CYS:HA	8	0.18
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB2	8	0.18
(3,1401)	1:A:162:LEU:HD22	1:A:181:SER:HB3	8	0.18
(3,1401)	1:A:162:LEU:HD22	1:B:159:CYS:HA	8	0.18
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB2	8	0.18
(3,1401)	1:A:162:LEU:HD22	1:B:181:SER:HB3	8	0.18
(3,1401)	1:A:162:LEU:HD23	1:A:159:CYS:HA	8	0.18
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB2	8	0.18
(3,1401)	1:A:162:LEU:HD23	1:A:181:SER:HB3	8	0.18
(3,1401)	1:A:162:LEU:HD23	1:B:159:CYS:HA	8	0.18
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB2	8	0.18
(3,1401)	1:A:162:LEU:HD23	1:B:181:SER:HB3	8	0.18
(3,1401)	1:A:180:LEU:HB2	1:A:159:CYS:HA	8	0.18
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB2	8	0.18
(3,1401)	1:A:180:LEU:HB2	1:A:181:SER:HB3	8	0.18
(3,1401)	1:A:180:LEU:HB2	1:B:159:CYS:HA	8	0.18
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB2	8	0.18
(3,1401)	1:A:180:LEU:HB2	1:B:181:SER:HB3	8	0.18
(3,1401)	1:A:182:LYS:HG2	1:A:159:CYS:HA	8	0.18
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB2	8	0.18
(3,1401)	1:A:182:LYS:HG2	1:A:181:SER:HB3	8	0.18
(3,1401)	1:A:182:LYS:HG2	1:B:159:CYS:HA	8	0.18
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB2	8	0.18
(3,1401)	1:A:182:LYS:HG2	1:B:181:SER:HB3	8	0.18
(3,1401)	1:A:183:ARG:HG2	1:A:159:CYS:HA	8	0.18
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB2	8	0.18
(3,1401)	1:A:183:ARG:HG2	1:A:181:SER:HB3	8	0.18
(3,1401)	1:A:183:ARG:HG2	1:B:159:CYS:HA	8	0.18
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB2	8	0.18
(3,1401)	1:A:183:ARG:HG2	1:B:181:SER:HB3	8	0.18
(3,1401)	1:B:154:LEU:HG	1:A:159:CYS:HA	8	0.18
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB2	8	0.18
(3,1401)	1:B:154:LEU:HG	1:A:181:SER:HB3	8	0.18
(3,1401)	1:B:154:LEU:HG	1:B:159:CYS:HA	8	0.18
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB2	8	0.18
(3,1401)	1:B:154:LEU:HG	1:B:181:SER:HB3	8	0.18
(3,1401)	1:B:162:LEU:HB2	1:A:159:CYS:HA	8	0.18
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB2	8	0.18
(3,1401)	1:B:162:LEU:HB2	1:A:181:SER:HB3	8	0.18
(3,1401)	1:B:162:LEU:HB2	1:B:159:CYS:HA	8	0.18
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB2	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1401)	1:B:162:LEU:HB2	1:B:181:SER:HB3	8	0.18
(3,1401)	1:B:180:LEU:HB2	1:A:159:CYS:HA	8	0.18
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB2	8	0.18
(3,1401)	1:B:180:LEU:HB2	1:A:181:SER:HB3	8	0.18
(3,1401)	1:B:180:LEU:HB2	1:B:159:CYS:HA	8	0.18
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB2	8	0.18
(3,1401)	1:B:180:LEU:HB2	1:B:181:SER:HB3	8	0.18
(3,1401)	1:B:182:LYS:HG2	1:A:159:CYS:HA	8	0.18
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB2	8	0.18
(3,1401)	1:B:182:LYS:HG2	1:A:181:SER:HB3	8	0.18
(3,1401)	1:B:182:LYS:HG2	1:B:159:CYS:HA	8	0.18
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB2	8	0.18
(3,1401)	1:B:182:LYS:HG2	1:B:181:SER:HB3	8	0.18
(3,1401)	1:B:183:ARG:HG2	1:A:159:CYS:HA	8	0.18
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB2	8	0.18
(3,1401)	1:B:183:ARG:HG2	1:A:181:SER:HB3	8	0.18
(3,1401)	1:B:183:ARG:HG2	1:B:159:CYS:HA	8	0.18
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB2	8	0.18
(3,1401)	1:B:183:ARG:HG2	1:B:181:SER:HB3	8	0.18
(3,1389)	1:A:165:VAL:HB	1:A:205:VAL:HA	1	0.18
(3,1389)	1:A:165:VAL:HB	1:B:205:VAL:HA	1	0.18
(3,1389)	1:B:165:VAL:HB	1:A:205:VAL:HA	1	0.18
(3,1389)	1:B:165:VAL:HB	1:B:205:VAL:HA	1	0.18
(3,1364)	1:A:166:GLU:HB3	1:A:205:VAL:H	2	0.18
(3,1364)	1:A:166:GLU:HB3	1:B:205:VAL:H	2	0.18
(3,1364)	1:A:201:ARG:HB3	1:A:205:VAL:H	2	0.18
(3,1364)	1:A:201:ARG:HB3	1:B:205:VAL:H	2	0.18
(3,1364)	1:A:206:LEU:HG	1:A:205:VAL:H	2	0.18
(3,1364)	1:A:206:LEU:HG	1:B:205:VAL:H	2	0.18
(3,1364)	1:B:166:GLU:HB3	1:A:205:VAL:H	2	0.18
(3,1364)	1:B:166:GLU:HB3	1:B:205:VAL:H	2	0.18
(3,1364)	1:B:189:LEU:HG	1:A:205:VAL:H	2	0.18
(3,1364)	1:B:189:LEU:HG	1:B:205:VAL:H	2	0.18
(3,1364)	1:B:201:ARG:HB3	1:A:205:VAL:H	2	0.18
(3,1364)	1:B:201:ARG:HB3	1:B:205:VAL:H	2	0.18
(3,1364)	1:B:206:LEU:HG	1:A:205:VAL:H	2	0.18
(3,1364)	1:B:206:LEU:HG	1:B:205:VAL:H	2	0.18
(3,1364)	1:A:166:GLU:HB3	1:A:205:VAL:H	4	0.18
(3,1364)	1:A:166:GLU:HB3	1:B:205:VAL:H	4	0.18
(3,1364)	1:A:201:ARG:HB3	1:A:205:VAL:H	4	0.18
(3,1364)	1:A:201:ARG:HB3	1:B:205:VAL:H	4	0.18
(3,1364)	1:A:206:LEU:HG	1:A:205:VAL:H	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1364)	1:A:206:LEU:HG	1:B:205:VAL:H	4	0.18
(3,1364)	1:B:166:GLU:HB3	1:A:205:VAL:H	4	0.18
(3,1364)	1:B:166:GLU:HB3	1:B:205:VAL:H	4	0.18
(3,1364)	1:B:189:LEU:HG	1:A:205:VAL:H	4	0.18
(3,1364)	1:B:189:LEU:HG	1:B:205:VAL:H	4	0.18
(3,1364)	1:B:201:ARG:HB3	1:A:205:VAL:H	4	0.18
(3,1364)	1:B:201:ARG:HB3	1:B:205:VAL:H	4	0.18
(3,1364)	1:B:206:LEU:HG	1:A:205:VAL:H	4	0.18
(3,1364)	1:B:206:LEU:HG	1:B:205:VAL:H	4	0.18
(3,1364)	1:A:166:GLU:HB3	1:A:205:VAL:H	5	0.18
(3,1364)	1:A:166:GLU:HB3	1:B:205:VAL:H	5	0.18
(3,1364)	1:A:201:ARG:HB3	1:A:205:VAL:H	5	0.18
(3,1364)	1:A:201:ARG:HB3	1:B:205:VAL:H	5	0.18
(3,1364)	1:A:206:LEU:HG	1:A:205:VAL:H	5	0.18
(3,1364)	1:A:206:LEU:HG	1:B:205:VAL:H	5	0.18
(3,1364)	1:B:166:GLU:HB3	1:A:205:VAL:H	5	0.18
(3,1364)	1:B:166:GLU:HB3	1:B:205:VAL:H	5	0.18
(3,1364)	1:B:189:LEU:HG	1:A:205:VAL:H	5	0.18
(3,1364)	1:B:189:LEU:HG	1:B:205:VAL:H	5	0.18
(3,1364)	1:B:201:ARG:HB3	1:A:205:VAL:H	5	0.18
(3,1364)	1:B:201:ARG:HB3	1:B:205:VAL:H	5	0.18
(3,1364)	1:B:206:LEU:HG	1:A:205:VAL:H	5	0.18
(3,1364)	1:B:206:LEU:HG	1:B:205:VAL:H	5	0.18
(3,1330)	1:A:170:THR:HG1	1:A:202:THR:H	4	0.18
(3,1330)	1:A:170:THR:HG1	1:B:202:THR:H	4	0.18
(3,1330)	1:B:170:THR:HG1	1:A:202:THR:H	4	0.18
(3,1330)	1:B:170:THR:HG1	1:B:202:THR:H	4	0.18
(3,1271)	1:A:162:LEU:HA	1:A:166:GLU:H	4	0.18
(3,1271)	1:A:162:LEU:HA	1:B:166:GLU:H	4	0.18
(3,1271)	1:B:162:LEU:HA	1:A:166:GLU:H	4	0.18
(3,1271)	1:B:162:LEU:HA	1:B:166:GLU:H	4	0.18
(3,1271)	1:A:162:LEU:HA	1:A:166:GLU:H	5	0.18
(3,1271)	1:A:162:LEU:HA	1:B:166:GLU:H	5	0.18
(3,1271)	1:B:162:LEU:HA	1:A:166:GLU:H	5	0.18
(3,1271)	1:B:162:LEU:HA	1:B:166:GLU:H	5	0.18
(3,1131)	1:A:203:GLU:HG2	1:A:204:ALA:H	6	0.18
(3,1131)	1:A:203:GLU:HG2	1:B:204:ALA:H	6	0.18
(3,1131)	1:A:205:VAL:HB	1:A:204:ALA:H	6	0.18
(3,1131)	1:A:205:VAL:HB	1:B:204:ALA:H	6	0.18
(3,1131)	1:B:203:GLU:HG2	1:A:204:ALA:H	6	0.18
(3,1131)	1:B:203:GLU:HG2	1:B:204:ALA:H	6	0.18
(3,1131)	1:B:205:VAL:HB	1:A:204:ALA:H	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1131)	1:B:205:VAL:HB	1:B:204:ALA:H	6	0.18
(3,1131)	1:A:203:GLU:HG2	1:A:204:ALA:H	7	0.18
(3,1131)	1:A:203:GLU:HG2	1:B:204:ALA:H	7	0.18
(3,1131)	1:A:205:VAL:HB	1:A:204:ALA:H	7	0.18
(3,1131)	1:A:205:VAL:HB	1:B:204:ALA:H	7	0.18
(3,1131)	1:B:203:GLU:HG2	1:A:204:ALA:H	7	0.18
(3,1131)	1:B:203:GLU:HG2	1:B:204:ALA:H	7	0.18
(3,1131)	1:B:205:VAL:HB	1:A:204:ALA:H	7	0.18
(3,1131)	1:B:205:VAL:HB	1:B:204:ALA:H	7	0.18
(3,1121)	1:A:157:ARG:HB2	1:A:162:LEU:H	7	0.18
(3,1121)	1:A:157:ARG:HB2	1:B:162:LEU:H	7	0.18
(3,1121)	1:A:158:GLU:HG3	1:A:162:LEU:H	7	0.18
(3,1121)	1:A:158:GLU:HG3	1:B:162:LEU:H	7	0.18
(3,1121)	1:A:163:GLN:HB2	1:A:162:LEU:H	7	0.18
(3,1121)	1:A:163:GLN:HB2	1:B:162:LEU:H	7	0.18
(3,1121)	1:A:166:GLU:HG2	1:A:162:LEU:H	7	0.18
(3,1121)	1:A:166:GLU:HG2	1:B:162:LEU:H	7	0.18
(3,1121)	1:A:192:ILE:HB	1:A:162:LEU:H	7	0.18
(3,1121)	1:A:192:ILE:HB	1:B:162:LEU:H	7	0.18
(3,1121)	1:B:151:GLN:HB2	1:A:162:LEU:H	7	0.18
(3,1121)	1:B:151:GLN:HB2	1:B:162:LEU:H	7	0.18
(3,1121)	1:B:158:GLU:HG3	1:A:162:LEU:H	7	0.18
(3,1121)	1:B:158:GLU:HG3	1:B:162:LEU:H	7	0.18
(3,1121)	1:B:163:GLN:HB2	1:A:162:LEU:H	7	0.18
(3,1121)	1:B:163:GLN:HB2	1:B:162:LEU:H	7	0.18
(3,1121)	1:B:166:GLU:HG2	1:A:162:LEU:H	7	0.18
(3,1121)	1:B:166:GLU:HG2	1:B:162:LEU:H	7	0.18
(3,1121)	1:B:192:ILE:HB	1:A:162:LEU:H	7	0.18
(3,1121)	1:B:192:ILE:HB	1:B:162:LEU:H	7	0.18
(2,83)	1:B:201:ARG:O	1:B:205:VAL:H	1	0.18
(2,81)	1:A:201:ARG:O	1:A:205:VAL:H	5	0.18
(2,44)	1:B:170:THR:O	1:B:174:ILE:H	2	0.18
(2,44)	1:B:170:THR:O	1:B:174:ILE:H	3	0.18
(2,44)	1:B:170:THR:O	1:B:174:ILE:H	5	0.18
(2,42)	1:A:170:THR:O	1:A:174:ILE:H	9	0.18
(1,923)	1:A:163:GLN:H	1:A:164:GLU:HG3	8	0.18
(1,712)	1:A:179:HIS:H	1:A:181:SER:HA	6	0.18
(1,663)	1:B:201:ARG:H	1:B:193:PHE:H	7	0.18
(1,663)	1:B:201:ARG:H	1:B:193:PHE:H	9	0.18
(1,243)	1:B:152:ASP:H	1:B:154:LEU:HA	5	0.18
(1,1832)	1:A:151:GLN:HA	1:A:160:LEU:H	5	0.18
(1,1832)	1:A:151:GLN:HA	1:B:160:LEU:H	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1832)	1:A:164:GLU:HA	1:A:160:LEU:H	5	0.18
(1,1832)	1:A:164:GLU:HA	1:B:160:LEU:H	5	0.18
(1,1832)	1:A:171:ASN:HA	1:A:160:LEU:H	5	0.18
(1,1832)	1:A:171:ASN:HA	1:B:160:LEU:H	5	0.18
(1,1832)	1:A:178:LEU:HA	1:A:160:LEU:H	5	0.18
(1,1832)	1:A:178:LEU:HA	1:B:160:LEU:H	5	0.18
(1,1832)	1:A:188:SER:HA	1:A:160:LEU:H	5	0.18
(1,1832)	1:A:188:SER:HA	1:B:160:LEU:H	5	0.18
(1,1832)	1:A:205:VAL:HA	1:A:160:LEU:H	5	0.18
(1,1832)	1:A:205:VAL:HA	1:B:160:LEU:H	5	0.18
(1,1832)	1:B:151:GLN:HA	1:A:160:LEU:H	5	0.18
(1,1832)	1:B:151:GLN:HA	1:B:160:LEU:H	5	0.18
(1,1832)	1:B:164:GLU:HA	1:A:160:LEU:H	5	0.18
(1,1832)	1:B:164:GLU:HA	1:B:160:LEU:H	5	0.18
(1,1832)	1:B:171:ASN:HA	1:A:160:LEU:H	5	0.18
(1,1832)	1:B:171:ASN:HA	1:B:160:LEU:H	5	0.18
(1,1832)	1:B:178:LEU:HA	1:A:160:LEU:H	5	0.18
(1,1832)	1:B:178:LEU:HA	1:B:160:LEU:H	5	0.18
(1,1832)	1:B:188:SER:HA	1:A:160:LEU:H	5	0.18
(1,1832)	1:B:188:SER:HA	1:B:160:LEU:H	5	0.18
(1,1748)	1:A:164:GLU:HB2	1:A:185:ILE:H	3	0.18
(1,1748)	1:A:164:GLU:HB2	1:B:185:ILE:H	3	0.18
(1,1748)	1:A:172:GLN:HG2	1:A:185:ILE:H	3	0.18
(1,1748)	1:A:172:GLN:HG2	1:B:185:ILE:H	3	0.18
(1,1748)	1:A:172:GLN:HG3	1:A:185:ILE:H	3	0.18
(1,1748)	1:A:172:GLN:HG3	1:B:185:ILE:H	3	0.18
(1,1748)	1:B:164:GLU:HB2	1:A:185:ILE:H	3	0.18
(1,1748)	1:B:164:GLU:HB2	1:B:185:ILE:H	3	0.18
(1,1748)	1:B:172:GLN:HG2	1:A:185:ILE:H	3	0.18
(1,1748)	1:B:172:GLN:HG2	1:B:185:ILE:H	3	0.18
(1,1748)	1:B:172:GLN:HG3	1:A:185:ILE:H	3	0.18
(1,1748)	1:B:172:GLN:HG3	1:B:185:ILE:H	3	0.18
(1,1748)	1:A:164:GLU:HB2	1:A:185:ILE:H	6	0.18
(1,1748)	1:A:164:GLU:HB2	1:B:185:ILE:H	6	0.18
(1,1748)	1:A:172:GLN:HG2	1:A:185:ILE:H	6	0.18
(1,1748)	1:A:172:GLN:HG2	1:B:185:ILE:H	6	0.18
(1,1748)	1:A:172:GLN:HG3	1:A:185:ILE:H	6	0.18
(1,1748)	1:A:172:GLN:HG3	1:B:185:ILE:H	6	0.18
(1,1748)	1:B:164:GLU:HB2	1:A:185:ILE:H	6	0.18
(1,1748)	1:B:164:GLU:HB2	1:B:185:ILE:H	6	0.18
(1,1748)	1:B:172:GLN:HG2	1:A:185:ILE:H	6	0.18
(1,1748)	1:B:172:GLN:HG2	1:B:185:ILE:H	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1748)	1:B:172:GLN:HG3	1:A:185:ILE:H	6	0.18
(1,1748)	1:B:172:GLN:HG3	1:B:185:ILE:H	6	0.18
(1,172)	1:A:177:ALA:H	1:A:173:GLU:HG2	9	0.18
(1,152)	1:B:175:ALA:H	1:B:186:GLU:H	2	0.18
(1,151)	1:A:175:ALA:H	1:A:186:GLU:H	5	0.18
(1,151)	1:A:175:ALA:H	1:A:186:GLU:H	6	0.18
(1,151)	1:A:175:ALA:H	1:A:186:GLU:H	7	0.18
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG11	1	0.17
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG12	1	0.17
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG13	1	0.17
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG11	2	0.17
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG12	2	0.17
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG13	2	0.17
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG11	4	0.17
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG12	4	0.17
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG13	4	0.17
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG11	5	0.17
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG12	5	0.17
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG13	5	0.17
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG11	6	0.17
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG12	6	0.17
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG13	6	0.17
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG11	1	0.17
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG12	1	0.17
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG13	1	0.17
(3,883)	1:A:173:GLU:HG3	1:A:169:PHE:H	9	0.17
(3,883)	1:A:173:GLU:HG3	1:B:169:PHE:H	9	0.17
(3,883)	1:A:203:GLU:HG2	1:A:169:PHE:H	9	0.17
(3,883)	1:A:203:GLU:HG2	1:B:169:PHE:H	9	0.17
(3,883)	1:B:203:GLU:HG2	1:A:169:PHE:H	9	0.17
(3,883)	1:B:203:GLU:HG2	1:B:169:PHE:H	9	0.17
(3,875)	1:A:171:ASN:HA	1:A:171:ASN:H	1	0.17
(3,875)	1:A:171:ASN:HA	1:B:171:ASN:H	1	0.17
(3,875)	1:B:171:ASN:HA	1:A:171:ASN:H	1	0.17
(3,875)	1:B:171:ASN:HA	1:B:171:ASN:H	1	0.17
(3,875)	1:A:171:ASN:HA	1:A:171:ASN:H	2	0.17
(3,875)	1:A:171:ASN:HA	1:B:171:ASN:H	2	0.17
(3,875)	1:B:171:ASN:HA	1:A:171:ASN:H	2	0.17
(3,875)	1:B:171:ASN:HA	1:B:171:ASN:H	2	0.17
(3,875)	1:A:171:ASN:HA	1:A:171:ASN:H	7	0.17
(3,875)	1:A:171:ASN:HA	1:B:171:ASN:H	7	0.17
(3,875)	1:B:171:ASN:HA	1:A:171:ASN:H	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,875)	1:B:171:ASN:HA	1:B:171:ASN:H	7	0.17
(3,875)	1:A:171:ASN:HA	1:A:171:ASN:H	8	0.17
(3,875)	1:A:171:ASN:HA	1:B:171:ASN:H	8	0.17
(3,875)	1:B:171:ASN:HA	1:A:171:ASN:H	8	0.17
(3,875)	1:B:171:ASN:HA	1:B:171:ASN:H	8	0.17
(3,844)	1:A:201:ARG:HB2	1:A:201:ARG:H	10	0.17
(3,844)	1:A:201:ARG:HB2	1:B:201:ARG:H	10	0.17
(3,844)	1:A:203:GLU:HB2	1:A:201:ARG:H	10	0.17
(3,844)	1:A:203:GLU:HB2	1:B:201:ARG:H	10	0.17
(3,844)	1:B:201:ARG:HB2	1:A:201:ARG:H	10	0.17
(3,844)	1:B:201:ARG:HB2	1:B:201:ARG:H	10	0.17
(3,844)	1:B:203:GLU:HB2	1:A:201:ARG:H	10	0.17
(3,844)	1:B:203:GLU:HB2	1:B:201:ARG:H	10	0.17
(3,719)	1:B:149:LYS:HB2	1:B:153:VAL:HB	3	0.17
(3,719)	1:B:149:LYS:HB3	1:B:153:VAL:HB	3	0.17
(3,697)	1:A:196:LEU:HB2	1:A:196:LEU:HG	5	0.17
(3,697)	1:A:196:LEU:HB3	1:A:196:LEU:HG	5	0.17
(3,697)	1:A:196:LEU:HB2	1:A:196:LEU:HG	7	0.17
(3,697)	1:A:196:LEU:HB3	1:A:196:LEU:HG	7	0.17
(3,697)	1:A:196:LEU:HB2	1:A:196:LEU:HG	8	0.17
(3,697)	1:A:196:LEU:HB3	1:A:196:LEU:HG	8	0.17
(3,69)	1:B:212:GLY:H	1:B:211:ASP:H	10	0.17
(3,652)	1:B:175:ALA:HA	1:B:180:LEU:HB2	4	0.17
(3,613)	1:A:159:CYS:HB2	1:A:159:CYS:HA	5	0.17
(3,613)	1:A:159:CYS:HB3	1:A:159:CYS:HA	5	0.17
(3,576)	1:B:149:LYS:HG2	1:B:149:LYS:HE2	4	0.17
(3,576)	1:B:149:LYS:HG2	1:B:149:LYS:HE3	4	0.17
(3,576)	1:B:149:LYS:HG3	1:B:149:LYS:HE2	4	0.17
(3,576)	1:B:149:LYS:HG3	1:B:149:LYS:HE3	4	0.17
(3,570)	1:B:178:LEU:HD11	1:B:157:ARG:HD2	7	0.17
(3,570)	1:B:178:LEU:HD11	1:B:157:ARG:HD3	7	0.17
(3,570)	1:B:178:LEU:HD12	1:B:157:ARG:HD2	7	0.17
(3,570)	1:B:178:LEU:HD12	1:B:157:ARG:HD3	7	0.17
(3,570)	1:B:178:LEU:HD13	1:B:157:ARG:HD2	7	0.17
(3,570)	1:B:178:LEU:HD13	1:B:157:ARG:HD3	7	0.17
(3,569)	1:A:178:LEU:HD11	1:A:157:ARG:HD2	2	0.17
(3,569)	1:A:178:LEU:HD11	1:A:157:ARG:HD3	2	0.17
(3,569)	1:A:178:LEU:HD12	1:A:157:ARG:HD2	2	0.17
(3,569)	1:A:178:LEU:HD12	1:A:157:ARG:HD3	2	0.17
(3,569)	1:A:178:LEU:HD13	1:A:157:ARG:HD2	2	0.17
(3,569)	1:A:178:LEU:HD13	1:A:157:ARG:HD3	2	0.17
(3,513)	1:A:209:LYS:HE2	1:B:209:LYS:HB3	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,513)	1:A:209:LYS:HE3	1:B:209:LYS:HB3	10	0.17
(3,494)	1:B:149:LYS:HA	1:B:149:LYS:HG2	6	0.17
(3,494)	1:B:149:LYS:HA	1:B:149:LYS:HG3	6	0.17
(3,49)	1:B:184:SER:H	1:B:183:ARG:H	1	0.17
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG11	7	0.17
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG12	7	0.17
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG13	7	0.17
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG11	9	0.17
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG12	9	0.17
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG13	9	0.17
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG11	8	0.17
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG12	8	0.17
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG13	8	0.17
(3,441)	1:A:203:GLU:HG2	1:A:200:SER:H	6	0.17
(3,441)	1:A:203:GLU:HG2	1:A:200:SER:H	8	0.17
(3,4)	1:B:154:LEU:H	1:B:154:LEU:HB2	9	0.17
(3,374)	1:B:204:ALA:H	1:B:203:GLU:H	3	0.17
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD11	1	0.17
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD12	1	0.17
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD13	1	0.17
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD11	2	0.17
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD12	2	0.17
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD13	2	0.17
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD11	5	0.17
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD12	5	0.17
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD13	5	0.17
(3,353)	1:A:182:LYS:H	1:A:182:LYS:HE3	9	0.17
(3,240)	1:A:183:ARG:H	1:A:181:SER:HB2	1	0.17
(3,221)	1:B:158:GLU:H	1:B:157:ARG:HB3	7	0.17
(3,168)	1:A:187:TYR:H	1:A:186:GLU:HG2	7	0.17
(3,1531)	1:A:209:LYS:HE2	1:A:209:LYS:HB2	2	0.17
(3,1531)	1:A:209:LYS:HE2	1:B:209:LYS:HB2	2	0.17
(3,1531)	1:B:209:LYS:HE2	1:A:209:LYS:HB2	2	0.17
(3,1531)	1:B:209:LYS:HE2	1:B:209:LYS:HB2	2	0.17
(3,1490)	1:A:157:ARG:HB2	1:A:157:ARG:HD2	9	0.17
(3,1490)	1:A:157:ARG:HB2	1:B:157:ARG:HD2	9	0.17
(3,1490)	1:B:157:ARG:HB2	1:A:157:ARG:HD2	9	0.17
(3,1490)	1:B:157:ARG:HB2	1:B:157:ARG:HD2	9	0.17
(3,1445)	1:A:189:LEU:HG	1:A:189:LEU:HA	1	0.17
(3,1445)	1:A:189:LEU:HG	1:B:189:LEU:HA	1	0.17
(3,1445)	1:A:201:ARG:HB3	1:A:189:LEU:HA	1	0.17
(3,1445)	1:A:201:ARG:HB3	1:B:189:LEU:HA	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1445)	1:B:189:LEU:HG	1:A:189:LEU:HA	1	0.17
(3,1445)	1:B:189:LEU:HG	1:B:189:LEU:HA	1	0.17
(3,1445)	1:A:189:LEU:HG	1:A:189:LEU:HA	2	0.17
(3,1445)	1:A:189:LEU:HG	1:B:189:LEU:HA	2	0.17
(3,1445)	1:A:201:ARG:HB3	1:A:189:LEU:HA	2	0.17
(3,1445)	1:A:201:ARG:HB3	1:B:189:LEU:HA	2	0.17
(3,1445)	1:B:189:LEU:HG	1:A:189:LEU:HA	2	0.17
(3,1445)	1:B:189:LEU:HG	1:B:189:LEU:HA	2	0.17
(3,1445)	1:A:189:LEU:HG	1:A:189:LEU:HA	4	0.17
(3,1445)	1:A:189:LEU:HG	1:B:189:LEU:HA	4	0.17
(3,1445)	1:A:201:ARG:HB3	1:A:189:LEU:HA	4	0.17
(3,1445)	1:A:201:ARG:HB3	1:B:189:LEU:HA	4	0.17
(3,1445)	1:B:189:LEU:HG	1:A:189:LEU:HA	4	0.17
(3,1445)	1:B:189:LEU:HG	1:B:189:LEU:HA	4	0.17
(3,1445)	1:A:189:LEU:HG	1:A:189:LEU:HA	5	0.17
(3,1445)	1:A:189:LEU:HG	1:B:189:LEU:HA	5	0.17
(3,1445)	1:A:201:ARG:HB3	1:A:189:LEU:HA	5	0.17
(3,1445)	1:A:201:ARG:HB3	1:B:189:LEU:HA	5	0.17
(3,1445)	1:B:189:LEU:HG	1:A:189:LEU:HA	5	0.17
(3,1445)	1:B:189:LEU:HG	1:B:189:LEU:HA	5	0.17
(3,1445)	1:A:189:LEU:HG	1:A:189:LEU:HA	7	0.17
(3,1445)	1:A:189:LEU:HG	1:B:189:LEU:HA	7	0.17
(3,1445)	1:A:201:ARG:HB3	1:A:189:LEU:HA	7	0.17
(3,1445)	1:A:201:ARG:HB3	1:B:189:LEU:HA	7	0.17
(3,1445)	1:B:189:LEU:HG	1:A:189:LEU:HA	7	0.17
(3,1445)	1:B:189:LEU:HG	1:B:189:LEU:HA	7	0.17
(3,1437)	1:A:167:LYS:HB3	1:A:164:GLU:HA	4	0.17
(3,1437)	1:A:167:LYS:HB3	1:A:193:PHE:HA	4	0.17
(3,1437)	1:A:167:LYS:HB3	1:A:209:LYS:HA	4	0.17
(3,1437)	1:A:167:LYS:HB3	1:B:164:GLU:HA	4	0.17
(3,1437)	1:A:192:ILE:HG21	1:A:164:GLU:HA	4	0.17
(3,1437)	1:A:192:ILE:HG21	1:A:193:PHE:HA	4	0.17
(3,1437)	1:A:192:ILE:HG21	1:A:209:LYS:HA	4	0.17
(3,1437)	1:A:192:ILE:HG21	1:B:164:GLU:HA	4	0.17
(3,1437)	1:A:192:ILE:HG22	1:A:164:GLU:HA	4	0.17
(3,1437)	1:A:192:ILE:HG22	1:A:193:PHE:HA	4	0.17
(3,1437)	1:A:192:ILE:HG22	1:A:209:LYS:HA	4	0.17
(3,1437)	1:A:192:ILE:HG22	1:B:164:GLU:HA	4	0.17
(3,1437)	1:A:192:ILE:HG23	1:A:164:GLU:HA	4	0.17
(3,1437)	1:A:192:ILE:HG23	1:A:193:PHE:HA	4	0.17
(3,1437)	1:A:192:ILE:HG23	1:A:209:LYS:HA	4	0.17
(3,1437)	1:A:192:ILE:HG23	1:B:164:GLU:HA	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1437)	1:A:208:ALA:HB1	1:A:164:GLU:HA	4	0.17
(3,1437)	1:A:208:ALA:HB1	1:A:193:PHE:HA	4	0.17
(3,1437)	1:A:208:ALA:HB1	1:A:209:LYS:HA	4	0.17
(3,1437)	1:A:208:ALA:HB1	1:B:164:GLU:HA	4	0.17
(3,1437)	1:A:208:ALA:HB2	1:A:164:GLU:HA	4	0.17
(3,1437)	1:A:208:ALA:HB2	1:A:193:PHE:HA	4	0.17
(3,1437)	1:A:208:ALA:HB2	1:A:209:LYS:HA	4	0.17
(3,1437)	1:A:208:ALA:HB2	1:B:164:GLU:HA	4	0.17
(3,1437)	1:A:208:ALA:HB3	1:A:164:GLU:HA	4	0.17
(3,1437)	1:A:208:ALA:HB3	1:A:193:PHE:HA	4	0.17
(3,1437)	1:A:208:ALA:HB3	1:A:209:LYS:HA	4	0.17
(3,1437)	1:A:208:ALA:HB3	1:B:164:GLU:HA	4	0.17
(3,1437)	1:B:167:LYS:HB3	1:A:164:GLU:HA	4	0.17
(3,1437)	1:B:167:LYS:HB3	1:A:193:PHE:HA	4	0.17
(3,1437)	1:B:167:LYS:HB3	1:A:209:LYS:HA	4	0.17
(3,1437)	1:B:167:LYS:HB3	1:B:164:GLU:HA	4	0.17
(3,1437)	1:A:167:LYS:HB3	1:A:164:GLU:HA	5	0.17
(3,1437)	1:A:167:LYS:HB3	1:A:193:PHE:HA	5	0.17
(3,1437)	1:A:167:LYS:HB3	1:A:209:LYS:HA	5	0.17
(3,1437)	1:A:167:LYS:HB3	1:B:164:GLU:HA	5	0.17
(3,1437)	1:A:192:ILE:HG21	1:A:164:GLU:HA	5	0.17
(3,1437)	1:A:192:ILE:HG21	1:A:193:PHE:HA	5	0.17
(3,1437)	1:A:192:ILE:HG21	1:A:209:LYS:HA	5	0.17
(3,1437)	1:A:192:ILE:HG21	1:B:164:GLU:HA	5	0.17
(3,1437)	1:A:192:ILE:HG22	1:A:164:GLU:HA	5	0.17
(3,1437)	1:A:192:ILE:HG22	1:A:193:PHE:HA	5	0.17
(3,1437)	1:A:192:ILE:HG22	1:A:209:LYS:HA	5	0.17
(3,1437)	1:A:192:ILE:HG22	1:B:164:GLU:HA	5	0.17
(3,1437)	1:A:192:ILE:HG23	1:A:164:GLU:HA	5	0.17
(3,1437)	1:A:192:ILE:HG23	1:A:193:PHE:HA	5	0.17
(3,1437)	1:A:192:ILE:HG23	1:A:209:LYS:HA	5	0.17
(3,1437)	1:A:192:ILE:HG23	1:B:164:GLU:HA	5	0.17
(3,1437)	1:A:208:ALA:HB1	1:A:164:GLU:HA	5	0.17
(3,1437)	1:A:208:ALA:HB1	1:A:193:PHE:HA	5	0.17
(3,1437)	1:A:208:ALA:HB1	1:A:209:LYS:HA	5	0.17
(3,1437)	1:A:208:ALA:HB1	1:B:164:GLU:HA	5	0.17
(3,1437)	1:A:208:ALA:HB2	1:A:164:GLU:HA	5	0.17
(3,1437)	1:A:208:ALA:HB2	1:A:193:PHE:HA	5	0.17
(3,1437)	1:A:208:ALA:HB2	1:A:209:LYS:HA	5	0.17
(3,1437)	1:A:208:ALA:HB2	1:B:164:GLU:HA	5	0.17
(3,1437)	1:A:208:ALA:HB3	1:A:164:GLU:HA	5	0.17
(3,1437)	1:A:208:ALA:HB3	1:A:193:PHE:HA	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1437)	1:A:208:ALA:HB3	1:A:209:LYS:HA	5	0.17
(3,1437)	1:A:208:ALA:HB3	1:B:164:GLU:HA	5	0.17
(3,1437)	1:B:167:LYS:HB3	1:A:164:GLU:HA	5	0.17
(3,1437)	1:B:167:LYS:HB3	1:A:193:PHE:HA	5	0.17
(3,1437)	1:B:167:LYS:HB3	1:A:209:LYS:HA	5	0.17
(3,1437)	1:B:167:LYS:HB3	1:B:164:GLU:HA	5	0.17
(3,1402)	1:A:170:THR:HA	1:A:202:THR:HA	6	0.17
(3,1402)	1:A:170:THR:HA	1:B:181:SER:HB2	6	0.17
(3,1402)	1:A:170:THR:HA	1:B:202:THR:HA	6	0.17
(3,1402)	1:B:170:THR:HA	1:A:202:THR:HA	6	0.17
(3,1402)	1:B:170:THR:HA	1:B:181:SER:HB2	6	0.17
(3,1402)	1:B:170:THR:HA	1:B:202:THR:HA	6	0.17
(3,1402)	1:B:180:LEU:HA	1:A:202:THR:HA	6	0.17
(3,1402)	1:B:180:LEU:HA	1:B:181:SER:HB2	6	0.17
(3,1402)	1:B:180:LEU:HA	1:B:202:THR:HA	6	0.17
(3,1364)	1:A:166:GLU:HB3	1:A:205:VAL:H	3	0.17
(3,1364)	1:A:166:GLU:HB3	1:B:205:VAL:H	3	0.17
(3,1364)	1:A:201:ARG:HB3	1:A:205:VAL:H	3	0.17
(3,1364)	1:A:201:ARG:HB3	1:B:205:VAL:H	3	0.17
(3,1364)	1:A:206:LEU:HG	1:A:205:VAL:H	3	0.17
(3,1364)	1:A:206:LEU:HG	1:B:205:VAL:H	3	0.17
(3,1364)	1:B:166:GLU:HB3	1:A:205:VAL:H	3	0.17
(3,1364)	1:B:166:GLU:HB3	1:B:205:VAL:H	3	0.17
(3,1364)	1:B:189:LEU:HG	1:A:205:VAL:H	3	0.17
(3,1364)	1:B:189:LEU:HG	1:B:205:VAL:H	3	0.17
(3,1364)	1:B:201:ARG:HB3	1:A:205:VAL:H	3	0.17
(3,1364)	1:B:201:ARG:HB3	1:B:205:VAL:H	3	0.17
(3,1364)	1:B:206:LEU:HG	1:A:205:VAL:H	3	0.17
(3,1364)	1:B:206:LEU:HG	1:B:205:VAL:H	3	0.17
(3,1321)	1:A:190:THR:HB	1:A:191:SER:H	6	0.17
(3,1321)	1:A:190:THR:HB	1:B:191:SER:H	6	0.17
(3,1321)	1:B:190:THR:HB	1:A:191:SER:H	6	0.17
(3,1321)	1:B:190:THR:HB	1:B:191:SER:H	6	0.17
(3,1271)	1:A:162:LEU:HA	1:A:166:GLU:H	2	0.17
(3,1271)	1:A:162:LEU:HA	1:B:166:GLU:H	2	0.17
(3,1271)	1:B:162:LEU:HA	1:A:166:GLU:H	2	0.17
(3,1271)	1:B:162:LEU:HA	1:B:166:GLU:H	2	0.17
(3,1271)	1:A:162:LEU:HA	1:A:166:GLU:H	7	0.17
(3,1271)	1:A:162:LEU:HA	1:B:166:GLU:H	7	0.17
(3,1271)	1:B:162:LEU:HA	1:A:166:GLU:H	7	0.17
(3,1271)	1:B:162:LEU:HA	1:B:166:GLU:H	7	0.17
(3,1199)	1:A:149:LYS:HA	1:A:149:LYS:H	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1199)	1:A:149:LYS:HA	1:A:166:GLU:H	3	0.17
(3,1199)	1:A:149:LYS:HA	1:B:149:LYS:H	3	0.17
(3,1199)	1:A:149:LYS:HA	1:B:166:GLU:H	3	0.17
(3,1199)	1:A:205:VAL:HA	1:A:149:LYS:H	3	0.17
(3,1199)	1:A:205:VAL:HA	1:A:166:GLU:H	3	0.17
(3,1199)	1:A:205:VAL:HA	1:B:149:LYS:H	3	0.17
(3,1199)	1:A:205:VAL:HA	1:B:166:GLU:H	3	0.17
(3,1199)	1:B:149:LYS:HA	1:A:149:LYS:H	3	0.17
(3,1199)	1:B:149:LYS:HA	1:A:166:GLU:H	3	0.17
(3,1199)	1:B:149:LYS:HA	1:B:149:LYS:H	3	0.17
(3,1199)	1:B:149:LYS:HA	1:B:166:GLU:H	3	0.17
(3,1199)	1:B:205:VAL:HA	1:A:149:LYS:H	3	0.17
(3,1199)	1:B:205:VAL:HA	1:A:166:GLU:H	3	0.17
(3,1199)	1:B:205:VAL:HA	1:B:149:LYS:H	3	0.17
(3,1199)	1:B:205:VAL:HA	1:B:166:GLU:H	3	0.17
(3,1199)	1:A:149:LYS:HA	1:A:149:LYS:H	6	0.17
(3,1199)	1:A:149:LYS:HA	1:A:166:GLU:H	6	0.17
(3,1199)	1:A:149:LYS:HA	1:B:149:LYS:H	6	0.17
(3,1199)	1:A:149:LYS:HA	1:B:166:GLU:H	6	0.17
(3,1199)	1:A:205:VAL:HA	1:A:149:LYS:H	6	0.17
(3,1199)	1:A:205:VAL:HA	1:A:166:GLU:H	6	0.17
(3,1199)	1:A:205:VAL:HA	1:B:149:LYS:H	6	0.17
(3,1199)	1:A:205:VAL:HA	1:B:166:GLU:H	6	0.17
(3,1199)	1:B:149:LYS:HA	1:A:149:LYS:H	6	0.17
(3,1199)	1:B:149:LYS:HA	1:A:166:GLU:H	6	0.17
(3,1199)	1:B:149:LYS:HA	1:B:149:LYS:H	6	0.17
(3,1199)	1:B:149:LYS:HA	1:B:166:GLU:H	6	0.17
(3,1199)	1:B:205:VAL:HA	1:A:149:LYS:H	6	0.17
(3,1199)	1:B:205:VAL:HA	1:A:166:GLU:H	6	0.17
(3,1199)	1:B:205:VAL:HA	1:B:149:LYS:H	6	0.17
(3,1199)	1:B:205:VAL:HA	1:B:166:GLU:H	6	0.17
(3,1170)	1:A:200:SER:HA	1:A:203:GLU:H	2	0.17
(3,1170)	1:A:200:SER:HA	1:B:203:GLU:H	2	0.17
(3,1170)	1:B:200:SER:HA	1:A:203:GLU:H	2	0.17
(3,1170)	1:B:200:SER:HA	1:B:203:GLU:H	2	0.17
(3,1131)	1:A:203:GLU:HG2	1:A:204:ALA:H	1	0.17
(3,1131)	1:A:203:GLU:HG2	1:B:204:ALA:H	1	0.17
(3,1131)	1:A:205:VAL:HB	1:A:204:ALA:H	1	0.17
(3,1131)	1:A:205:VAL:HB	1:B:204:ALA:H	1	0.17
(3,1131)	1:B:203:GLU:HG2	1:A:204:ALA:H	1	0.17
(3,1131)	1:B:203:GLU:HG2	1:B:204:ALA:H	1	0.17
(3,1131)	1:B:205:VAL:HB	1:A:204:ALA:H	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1131)	1:B:205:VAL:HB	1:B:204:ALA:H	1	0.17
(3,1131)	1:A:203:GLU:HG2	1:A:204:ALA:H	3	0.17
(3,1131)	1:A:203:GLU:HG2	1:B:204:ALA:H	3	0.17
(3,1131)	1:A:205:VAL:HB	1:A:204:ALA:H	3	0.17
(3,1131)	1:A:205:VAL:HB	1:B:204:ALA:H	3	0.17
(3,1131)	1:B:203:GLU:HG2	1:A:204:ALA:H	3	0.17
(3,1131)	1:B:203:GLU:HG2	1:B:204:ALA:H	3	0.17
(3,1131)	1:B:205:VAL:HB	1:A:204:ALA:H	3	0.17
(3,1131)	1:B:205:VAL:HB	1:B:204:ALA:H	3	0.17
(3,1131)	1:A:203:GLU:HG2	1:A:204:ALA:H	4	0.17
(3,1131)	1:A:203:GLU:HG2	1:B:204:ALA:H	4	0.17
(3,1131)	1:A:205:VAL:HB	1:A:204:ALA:H	4	0.17
(3,1131)	1:A:205:VAL:HB	1:B:204:ALA:H	4	0.17
(3,1131)	1:B:203:GLU:HG2	1:A:204:ALA:H	4	0.17
(3,1131)	1:B:203:GLU:HG2	1:B:204:ALA:H	4	0.17
(3,1131)	1:B:205:VAL:HB	1:A:204:ALA:H	4	0.17
(3,1131)	1:B:205:VAL:HB	1:B:204:ALA:H	4	0.17
(3,1131)	1:A:203:GLU:HG2	1:A:204:ALA:H	5	0.17
(3,1131)	1:A:203:GLU:HG2	1:B:204:ALA:H	5	0.17
(3,1131)	1:A:205:VAL:HB	1:A:204:ALA:H	5	0.17
(3,1131)	1:A:205:VAL:HB	1:B:204:ALA:H	5	0.17
(3,1131)	1:B:203:GLU:HG2	1:A:204:ALA:H	5	0.17
(3,1131)	1:B:203:GLU:HG2	1:B:204:ALA:H	5	0.17
(3,1131)	1:B:205:VAL:HB	1:A:204:ALA:H	5	0.17
(3,1131)	1:B:205:VAL:HB	1:B:204:ALA:H	5	0.17
(3,1131)	1:A:203:GLU:HG2	1:A:204:ALA:H	9	0.17
(3,1131)	1:A:203:GLU:HG2	1:B:204:ALA:H	9	0.17
(3,1131)	1:A:205:VAL:HB	1:A:204:ALA:H	9	0.17
(3,1131)	1:A:205:VAL:HB	1:B:204:ALA:H	9	0.17
(3,1131)	1:B:203:GLU:HG2	1:A:204:ALA:H	9	0.17
(3,1131)	1:B:203:GLU:HG2	1:B:204:ALA:H	9	0.17
(3,1131)	1:B:205:VAL:HB	1:A:204:ALA:H	9	0.17
(3,1131)	1:B:205:VAL:HB	1:B:204:ALA:H	9	0.17
(3,1120)	1:A:158:GLU:HG2	1:A:162:LEU:H	1	0.17
(3,1120)	1:A:158:GLU:HG2	1:B:162:LEU:H	1	0.17
(3,1120)	1:A:163:GLN:HG3	1:A:162:LEU:H	1	0.17
(3,1120)	1:A:163:GLN:HG3	1:B:162:LEU:H	1	0.17
(3,1120)	1:B:158:GLU:HG2	1:A:162:LEU:H	1	0.17
(3,1120)	1:B:158:GLU:HG2	1:B:162:LEU:H	1	0.17
(3,1120)	1:B:163:GLN:HG3	1:A:162:LEU:H	1	0.17
(3,1120)	1:B:163:GLN:HG3	1:B:162:LEU:H	1	0.17
(3,1120)	1:A:158:GLU:HG2	1:A:162:LEU:H	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1120)	1:A:158:GLU:HG2	1:B:162:LEU:H	5	0.17
(3,1120)	1:A:163:GLN:HG3	1:A:162:LEU:H	5	0.17
(3,1120)	1:A:163:GLN:HG3	1:B:162:LEU:H	5	0.17
(3,1120)	1:B:158:GLU:HG2	1:A:162:LEU:H	5	0.17
(3,1120)	1:B:158:GLU:HG2	1:B:162:LEU:H	5	0.17
(3,1120)	1:B:163:GLN:HG3	1:A:162:LEU:H	5	0.17
(3,1120)	1:B:163:GLN:HG3	1:B:162:LEU:H	5	0.17
(3,1086)	1:A:164:GLU:HB3	1:A:176:ASP:H	1	0.17
(3,1086)	1:A:164:GLU:HB3	1:B:176:ASP:H	1	0.17
(3,1086)	1:A:174:ILE:HB	1:A:176:ASP:H	1	0.17
(3,1086)	1:A:174:ILE:HB	1:B:176:ASP:H	1	0.17
(3,1086)	1:B:164:GLU:HB3	1:A:176:ASP:H	1	0.17
(3,1086)	1:B:164:GLU:HB3	1:B:176:ASP:H	1	0.17
(3,1086)	1:B:173:GLU:HG3	1:A:176:ASP:H	1	0.17
(3,1086)	1:B:173:GLU:HG3	1:B:176:ASP:H	1	0.17
(3,1086)	1:B:174:ILE:HB	1:A:176:ASP:H	1	0.17
(3,1086)	1:B:174:ILE:HB	1:B:176:ASP:H	1	0.17
(2,81)	1:A:201:ARG:O	1:A:205:VAL:H	1	0.17
(2,81)	1:A:201:ARG:O	1:A:205:VAL:H	6	0.17
(2,42)	1:A:170:THR:O	1:A:174:ILE:H	2	0.17
(2,42)	1:A:170:THR:O	1:A:174:ILE:H	7	0.17
(1,899)	1:B:198:VAL:H	1:B:207:ILE:HG21	1	0.17
(1,899)	1:B:198:VAL:H	1:B:207:ILE:HG22	1	0.17
(1,899)	1:B:198:VAL:H	1:B:207:ILE:HG23	1	0.17
(1,663)	1:B:201:ARG:H	1:B:193:PHE:H	4	0.17
(1,662)	1:A:201:ARG:H	1:A:193:PHE:H	5	0.17
(1,662)	1:A:201:ARG:H	1:A:193:PHE:H	6	0.17
(1,242)	1:A:152:ASP:H	1:A:154:LEU:HA	7	0.17
(1,1762)	1:A:152:ASP:HA	1:A:157:ARG:H	5	0.17
(1,1762)	1:A:152:ASP:HA	1:A:163:GLN:H	5	0.17
(1,1762)	1:A:152:ASP:HA	1:B:157:ARG:H	5	0.17
(1,1762)	1:A:152:ASP:HA	1:B:163:GLN:H	5	0.17
(1,1762)	1:B:152:ASP:HA	1:A:157:ARG:H	5	0.17
(1,1762)	1:B:152:ASP:HA	1:A:163:GLN:H	5	0.17
(1,1762)	1:B:152:ASP:HA	1:B:157:ARG:H	5	0.17
(1,1762)	1:B:152:ASP:HA	1:B:163:GLN:H	5	0.17
(1,1762)	1:A:152:ASP:HA	1:A:157:ARG:H	10	0.17
(1,1762)	1:A:152:ASP:HA	1:A:163:GLN:H	10	0.17
(1,1762)	1:A:152:ASP:HA	1:B:157:ARG:H	10	0.17
(1,1762)	1:A:152:ASP:HA	1:B:163:GLN:H	10	0.17
(1,1762)	1:B:152:ASP:HA	1:A:157:ARG:H	10	0.17
(1,1762)	1:B:152:ASP:HA	1:A:163:GLN:H	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1762)	1:B:152:ASP:HA	1:B:157:ARG:H	10	0.17
(1,1762)	1:B:152:ASP:HA	1:B:163:GLN:H	10	0.17
(1,1247)	1:B:150:GLU:HA	1:B:152:ASP:HB2	9	0.17
(1,1247)	1:B:150:GLU:HA	1:B:152:ASP:HB3	9	0.17
(3,995)	1:A:197:ASN:HA	1:A:198:VAL:H	1	0.16
(3,995)	1:A:197:ASN:HA	1:B:198:VAL:H	1	0.16
(3,995)	1:B:197:ASN:HA	1:A:198:VAL:H	1	0.16
(3,995)	1:B:197:ASN:HA	1:B:198:VAL:H	1	0.16
(3,995)	1:A:197:ASN:HA	1:A:198:VAL:H	8	0.16
(3,995)	1:A:197:ASN:HA	1:B:198:VAL:H	8	0.16
(3,995)	1:B:197:ASN:HA	1:A:198:VAL:H	8	0.16
(3,995)	1:B:197:ASN:HA	1:B:198:VAL:H	8	0.16
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG11	6	0.16
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG12	6	0.16
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG13	6	0.16
(3,921)	1:A:183:ARG:HD2	1:A:183:ARG:H	2	0.16
(3,921)	1:A:183:ARG:HD2	1:A:188:SER:H	2	0.16
(3,921)	1:A:183:ARG:HD2	1:B:183:ARG:H	2	0.16
(3,921)	1:A:187:TYR:HB2	1:A:183:ARG:H	2	0.16
(3,921)	1:A:187:TYR:HB2	1:A:188:SER:H	2	0.16
(3,921)	1:A:187:TYR:HB2	1:B:183:ARG:H	2	0.16
(3,921)	1:B:183:ARG:HD2	1:A:183:ARG:H	2	0.16
(3,921)	1:B:183:ARG:HD2	1:A:188:SER:H	2	0.16
(3,921)	1:B:183:ARG:HD2	1:B:183:ARG:H	2	0.16
(3,914)	1:A:162:LEU:HG	1:A:163:GLN:H	4	0.16
(3,914)	1:A:162:LEU:HG	1:A:188:SER:H	4	0.16
(3,914)	1:A:162:LEU:HG	1:B:163:GLN:H	4	0.16
(3,914)	1:A:162:LEU:HG	1:B:188:SER:H	4	0.16
(3,914)	1:A:185:ILE:HB	1:A:163:GLN:H	4	0.16
(3,914)	1:A:185:ILE:HB	1:A:188:SER:H	4	0.16
(3,914)	1:A:185:ILE:HB	1:B:163:GLN:H	4	0.16
(3,914)	1:A:185:ILE:HB	1:B:188:SER:H	4	0.16
(3,914)	1:B:162:LEU:HG	1:A:163:GLN:H	4	0.16
(3,914)	1:B:162:LEU:HG	1:A:188:SER:H	4	0.16
(3,914)	1:B:162:LEU:HG	1:B:163:GLN:H	4	0.16
(3,914)	1:B:162:LEU:HG	1:B:188:SER:H	4	0.16
(3,914)	1:B:185:ILE:HB	1:A:163:GLN:H	4	0.16
(3,914)	1:B:185:ILE:HB	1:A:188:SER:H	4	0.16
(3,914)	1:B:185:ILE:HB	1:B:163:GLN:H	4	0.16
(3,914)	1:B:185:ILE:HB	1:B:188:SER:H	4	0.16
(3,914)	1:A:162:LEU:HG	1:A:163:GLN:H	8	0.16
(3,914)	1:A:162:LEU:HG	1:A:188:SER:H	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,914)	1:A:162:LEU:HG	1:B:163:GLN:H	8	0.16
(3,914)	1:A:162:LEU:HG	1:B:188:SER:H	8	0.16
(3,914)	1:A:185:ILE:HB	1:A:163:GLN:H	8	0.16
(3,914)	1:A:185:ILE:HB	1:A:188:SER:H	8	0.16
(3,914)	1:A:185:ILE:HB	1:B:163:GLN:H	8	0.16
(3,914)	1:A:185:ILE:HB	1:B:188:SER:H	8	0.16
(3,914)	1:B:162:LEU:HG	1:A:163:GLN:H	8	0.16
(3,914)	1:B:162:LEU:HG	1:A:188:SER:H	8	0.16
(3,914)	1:B:162:LEU:HG	1:B:163:GLN:H	8	0.16
(3,914)	1:B:162:LEU:HG	1:B:188:SER:H	8	0.16
(3,914)	1:B:185:ILE:HB	1:A:163:GLN:H	8	0.16
(3,914)	1:B:185:ILE:HB	1:A:188:SER:H	8	0.16
(3,914)	1:B:185:ILE:HB	1:B:163:GLN:H	8	0.16
(3,914)	1:B:185:ILE:HB	1:B:188:SER:H	8	0.16
(3,892)	1:A:186:GLU:HB2	1:A:186:GLU:H	10	0.16
(3,892)	1:A:186:GLU:HB2	1:B:151:GLN:H	10	0.16
(3,892)	1:B:150:GLU:HB2	1:A:186:GLU:H	10	0.16
(3,892)	1:B:150:GLU:HB2	1:B:151:GLN:H	10	0.16
(3,855)	1:A:152:ASP:HB2	1:A:152:ASP:H	2	0.16
(3,855)	1:A:152:ASP:HB2	1:B:152:ASP:H	2	0.16
(3,855)	1:B:152:ASP:HB2	1:A:152:ASP:H	2	0.16
(3,855)	1:B:152:ASP:HB2	1:B:152:ASP:H	2	0.16
(3,844)	1:A:201:ARG:HB2	1:A:201:ARG:H	3	0.16
(3,844)	1:A:201:ARG:HB2	1:B:201:ARG:H	3	0.16
(3,844)	1:A:203:GLU:HB2	1:A:201:ARG:H	3	0.16
(3,844)	1:A:203:GLU:HB2	1:B:201:ARG:H	3	0.16
(3,844)	1:B:201:ARG:HB2	1:A:201:ARG:H	3	0.16
(3,844)	1:B:201:ARG:HB2	1:B:201:ARG:H	3	0.16
(3,844)	1:B:203:GLU:HB2	1:A:201:ARG:H	3	0.16
(3,844)	1:B:203:GLU:HB2	1:B:201:ARG:H	3	0.16
(3,844)	1:A:201:ARG:HB2	1:A:201:ARG:H	4	0.16
(3,844)	1:A:201:ARG:HB2	1:B:201:ARG:H	4	0.16
(3,844)	1:A:203:GLU:HB2	1:A:201:ARG:H	4	0.16
(3,844)	1:A:203:GLU:HB2	1:B:201:ARG:H	4	0.16
(3,844)	1:B:201:ARG:HB2	1:A:201:ARG:H	4	0.16
(3,844)	1:B:201:ARG:HB2	1:B:201:ARG:H	4	0.16
(3,844)	1:B:203:GLU:HB2	1:A:201:ARG:H	4	0.16
(3,844)	1:B:203:GLU:HB2	1:B:201:ARG:H	4	0.16
(3,829)	1:A:148:GLN:HB3	1:A:149:LYS:H	5	0.16
(3,829)	1:A:148:GLN:HB3	1:B:166:GLU:H	5	0.16
(3,829)	1:B:166:GLU:HG3	1:A:149:LYS:H	5	0.16
(3,829)	1:B:166:GLU:HG3	1:B:166:GLU:H	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,779)	1:A:187:TYR:H	1:A:186:GLU:H	7	0.16
(3,779)	1:A:187:TYR:H	1:A:188:SER:H	7	0.16
(3,656)	1:B:176:ASP:HB3	1:B:173:GLU:HA	1	0.16
(3,614)	1:B:159:CYS:HB2	1:B:159:CYS:HA	5	0.16
(3,614)	1:B:159:CYS:HB3	1:B:159:CYS:HA	5	0.16
(3,564)	1:B:157:ARG:HG3	1:B:157:ARG:HA	5	0.16
(3,564)	1:B:157:ARG:HG3	1:B:157:ARG:HA	6	0.16
(3,545)	1:A:151:GLN:HB3	1:A:151:GLN:HA	1	0.16
(3,545)	1:A:151:GLN:HB3	1:A:151:GLN:HA	6	0.16
(3,545)	1:A:151:GLN:HB3	1:A:151:GLN:HA	8	0.16
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG11	8	0.16
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG12	8	0.16
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG13	8	0.16
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG11	6	0.16
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG12	6	0.16
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG13	6	0.16
(3,4)	1:B:154:LEU:H	1:B:154:LEU:HB2	6	0.16
(3,396)	1:B:166:GLU:H	1:B:166:GLU:HB3	6	0.16
(3,374)	1:B:204:ALA:H	1:B:203:GLU:H	1	0.16
(3,374)	1:B:204:ALA:H	1:B:203:GLU:H	2	0.16
(3,374)	1:B:204:ALA:H	1:B:203:GLU:H	5	0.16
(3,374)	1:B:204:ALA:H	1:B:203:GLU:H	6	0.16
(3,374)	1:B:204:ALA:H	1:B:203:GLU:H	9	0.16
(3,374)	1:B:204:ALA:H	1:B:203:GLU:H	10	0.16
(3,373)	1:A:204:ALA:H	1:A:203:GLU:H	8	0.16
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD11	2	0.16
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD12	2	0.16
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD13	2	0.16
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD11	4	0.16
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD12	4	0.16
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD13	4	0.16
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD11	5	0.16
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD12	5	0.16
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD13	5	0.16
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD11	6	0.16
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD12	6	0.16
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD13	6	0.16
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD11	7	0.16
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD12	7	0.16
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD13	7	0.16
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD11	9	0.16
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD12	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD13	9	0.16
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD11	1	0.16
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD12	1	0.16
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD13	1	0.16
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD11	6	0.16
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD12	6	0.16
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD13	6	0.16
(3,354)	1:B:182:LYS:H	1:B:182:LYS:HE3	1	0.16
(3,221)	1:B:158:GLU:H	1:B:157:ARG:HB3	4	0.16
(3,221)	1:B:158:GLU:H	1:B:157:ARG:HB3	9	0.16
(3,169)	1:B:187:TYR:H	1:B:186:GLU:HG2	10	0.16
(3,163)	1:B:192:ILE:H	1:B:191:SER:H	2	0.16
(3,163)	1:B:192:ILE:H	1:B:191:SER:H	4	0.16
(3,162)	1:A:192:ILE:H	1:A:191:SER:H	4	0.16
(3,162)	1:A:192:ILE:H	1:A:191:SER:H	7	0.16
(3,1531)	1:A:209:LYS:HE2	1:A:209:LYS:HB2	5	0.16
(3,1531)	1:A:209:LYS:HE2	1:B:209:LYS:HB2	5	0.16
(3,1531)	1:B:209:LYS:HE2	1:A:209:LYS:HB2	5	0.16
(3,1531)	1:B:209:LYS:HE2	1:B:209:LYS:HB2	5	0.16
(3,1531)	1:A:209:LYS:HE2	1:A:209:LYS:HB2	6	0.16
(3,1531)	1:A:209:LYS:HE2	1:B:209:LYS:HB2	6	0.16
(3,1531)	1:B:209:LYS:HE2	1:A:209:LYS:HB2	6	0.16
(3,1531)	1:B:209:LYS:HE2	1:B:209:LYS:HB2	6	0.16
(3,1490)	1:A:157:ARG:HB2	1:A:157:ARG:HD2	10	0.16
(3,1490)	1:A:157:ARG:HB2	1:B:157:ARG:HD2	10	0.16
(3,1490)	1:B:157:ARG:HB2	1:A:157:ARG:HD2	10	0.16
(3,1490)	1:B:157:ARG:HB2	1:B:157:ARG:HD2	10	0.16
(3,1480)	1:A:153:VAL:HG11	1:A:147:SER:HA	5	0.16
(3,1480)	1:A:153:VAL:HG11	1:A:154:LEU:HA	5	0.16
(3,1480)	1:A:153:VAL:HG11	1:B:154:LEU:HA	5	0.16
(3,1480)	1:A:153:VAL:HG12	1:A:147:SER:HA	5	0.16
(3,1480)	1:A:153:VAL:HG12	1:A:154:LEU:HA	5	0.16
(3,1480)	1:A:153:VAL:HG12	1:B:154:LEU:HA	5	0.16
(3,1480)	1:A:153:VAL:HG13	1:A:147:SER:HA	5	0.16
(3,1480)	1:A:153:VAL:HG13	1:A:154:LEU:HA	5	0.16
(3,1480)	1:A:153:VAL:HG13	1:B:154:LEU:HA	5	0.16
(3,1480)	1:A:153:VAL:HG21	1:A:147:SER:HA	5	0.16
(3,1480)	1:A:153:VAL:HG21	1:A:154:LEU:HA	5	0.16
(3,1480)	1:A:153:VAL:HG21	1:B:154:LEU:HA	5	0.16
(3,1480)	1:A:153:VAL:HG22	1:A:147:SER:HA	5	0.16
(3,1480)	1:A:153:VAL:HG22	1:A:154:LEU:HA	5	0.16
(3,1480)	1:A:153:VAL:HG22	1:B:154:LEU:HA	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1480)	1:A:153:VAL:HG23	1:A:147:SER:HA	5	0.16
(3,1480)	1:A:153:VAL:HG23	1:A:154:LEU:HA	5	0.16
(3,1480)	1:A:153:VAL:HG23	1:B:154:LEU:HA	5	0.16
(3,1480)	1:A:154:LEU:HG	1:A:147:SER:HA	5	0.16
(3,1480)	1:A:154:LEU:HG	1:A:154:LEU:HA	5	0.16
(3,1480)	1:A:154:LEU:HG	1:B:154:LEU:HA	5	0.16
(3,1480)	1:B:153:VAL:HG11	1:A:147:SER:HA	5	0.16
(3,1480)	1:B:153:VAL:HG11	1:A:154:LEU:HA	5	0.16
(3,1480)	1:B:153:VAL:HG11	1:B:154:LEU:HA	5	0.16
(3,1480)	1:B:154:LEU:HG	1:A:147:SER:HA	5	0.16
(3,1480)	1:B:154:LEU:HG	1:A:154:LEU:HA	5	0.16
(3,1480)	1:B:154:LEU:HG	1:B:154:LEU:HA	5	0.16
(3,1445)	1:A:189:LEU:HG	1:A:189:LEU:HA	9	0.16
(3,1445)	1:A:189:LEU:HG	1:B:189:LEU:HA	9	0.16
(3,1445)	1:A:201:ARG:HB3	1:A:189:LEU:HA	9	0.16
(3,1445)	1:A:201:ARG:HB3	1:B:189:LEU:HA	9	0.16
(3,1445)	1:B:189:LEU:HG	1:A:189:LEU:HA	9	0.16
(3,1445)	1:B:189:LEU:HG	1:B:189:LEU:HA	9	0.16
(3,1390)	1:A:158:GLU:HG3	1:A:161:ILE:HA	2	0.16
(3,1390)	1:A:158:GLU:HG3	1:A:165:VAL:HA	2	0.16
(3,1390)	1:A:158:GLU:HG3	1:A:192:ILE:HA	2	0.16
(3,1390)	1:A:158:GLU:HG3	1:B:161:ILE:HA	2	0.16
(3,1390)	1:A:158:GLU:HG3	1:B:165:VAL:HA	2	0.16
(3,1390)	1:A:158:GLU:HG3	1:B:192:ILE:HA	2	0.16
(3,1390)	1:A:164:GLU:HB3	1:A:161:ILE:HA	2	0.16
(3,1390)	1:A:164:GLU:HB3	1:A:165:VAL:HA	2	0.16
(3,1390)	1:A:164:GLU:HB3	1:A:192:ILE:HA	2	0.16
(3,1390)	1:A:164:GLU:HB3	1:B:161:ILE:HA	2	0.16
(3,1390)	1:A:164:GLU:HB3	1:B:165:VAL:HA	2	0.16
(3,1390)	1:A:164:GLU:HB3	1:B:192:ILE:HA	2	0.16
(3,1390)	1:A:174:ILE:HB	1:A:161:ILE:HA	2	0.16
(3,1390)	1:A:174:ILE:HB	1:A:165:VAL:HA	2	0.16
(3,1390)	1:A:174:ILE:HB	1:A:192:ILE:HA	2	0.16
(3,1390)	1:A:174:ILE:HB	1:B:161:ILE:HA	2	0.16
(3,1390)	1:A:174:ILE:HB	1:B:165:VAL:HA	2	0.16
(3,1390)	1:A:174:ILE:HB	1:B:192:ILE:HA	2	0.16
(3,1390)	1:A:205:VAL:HB	1:A:161:ILE:HA	2	0.16
(3,1390)	1:A:205:VAL:HB	1:A:165:VAL:HA	2	0.16
(3,1390)	1:A:205:VAL:HB	1:A:192:ILE:HA	2	0.16
(3,1390)	1:A:205:VAL:HB	1:B:161:ILE:HA	2	0.16
(3,1390)	1:A:205:VAL:HB	1:B:165:VAL:HA	2	0.16
(3,1390)	1:A:205:VAL:HB	1:B:192:ILE:HA	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1390)	1:B:164:GLU:HB3	1:A:161:ILE:HA	2	0.16
(3,1390)	1:B:164:GLU:HB3	1:A:165:VAL:HA	2	0.16
(3,1390)	1:B:164:GLU:HB3	1:A:192:ILE:HA	2	0.16
(3,1390)	1:B:164:GLU:HB3	1:B:161:ILE:HA	2	0.16
(3,1390)	1:B:164:GLU:HB3	1:B:165:VAL:HA	2	0.16
(3,1390)	1:B:164:GLU:HB3	1:B:192:ILE:HA	2	0.16
(3,1390)	1:B:174:ILE:HB	1:A:161:ILE:HA	2	0.16
(3,1390)	1:B:174:ILE:HB	1:A:165:VAL:HA	2	0.16
(3,1390)	1:B:174:ILE:HB	1:A:192:ILE:HA	2	0.16
(3,1390)	1:B:174:ILE:HB	1:B:161:ILE:HA	2	0.16
(3,1390)	1:B:174:ILE:HB	1:B:165:VAL:HA	2	0.16
(3,1390)	1:B:174:ILE:HB	1:B:192:ILE:HA	2	0.16
(3,1390)	1:B:198:VAL:HB	1:A:161:ILE:HA	2	0.16
(3,1390)	1:B:198:VAL:HB	1:A:165:VAL:HA	2	0.16
(3,1390)	1:B:198:VAL:HB	1:A:192:ILE:HA	2	0.16
(3,1390)	1:B:198:VAL:HB	1:B:161:ILE:HA	2	0.16
(3,1390)	1:B:198:VAL:HB	1:B:165:VAL:HA	2	0.16
(3,1390)	1:B:198:VAL:HB	1:B:192:ILE:HA	2	0.16
(3,1390)	1:B:205:VAL:HB	1:A:161:ILE:HA	2	0.16
(3,1390)	1:B:205:VAL:HB	1:A:165:VAL:HA	2	0.16
(3,1390)	1:B:205:VAL:HB	1:A:192:ILE:HA	2	0.16
(3,1390)	1:B:205:VAL:HB	1:B:161:ILE:HA	2	0.16
(3,1390)	1:B:205:VAL:HB	1:B:165:VAL:HA	2	0.16
(3,1390)	1:B:205:VAL:HB	1:B:192:ILE:HA	2	0.16
(3,1390)	1:A:158:GLU:HG3	1:A:161:ILE:HA	5	0.16
(3,1390)	1:A:158:GLU:HG3	1:A:165:VAL:HA	5	0.16
(3,1390)	1:A:158:GLU:HG3	1:A:192:ILE:HA	5	0.16
(3,1390)	1:A:158:GLU:HG3	1:B:161:ILE:HA	5	0.16
(3,1390)	1:A:158:GLU:HG3	1:B:165:VAL:HA	5	0.16
(3,1390)	1:A:158:GLU:HG3	1:B:192:ILE:HA	5	0.16
(3,1390)	1:A:164:GLU:HB3	1:A:161:ILE:HA	5	0.16
(3,1390)	1:A:164:GLU:HB3	1:A:165:VAL:HA	5	0.16
(3,1390)	1:A:164:GLU:HB3	1:A:192:ILE:HA	5	0.16
(3,1390)	1:A:164:GLU:HB3	1:B:161:ILE:HA	5	0.16
(3,1390)	1:A:164:GLU:HB3	1:B:165:VAL:HA	5	0.16
(3,1390)	1:A:164:GLU:HB3	1:B:192:ILE:HA	5	0.16
(3,1390)	1:A:174:ILE:HB	1:A:161:ILE:HA	5	0.16
(3,1390)	1:A:174:ILE:HB	1:A:165:VAL:HA	5	0.16
(3,1390)	1:A:174:ILE:HB	1:A:192:ILE:HA	5	0.16
(3,1390)	1:A:174:ILE:HB	1:B:161:ILE:HA	5	0.16
(3,1390)	1:A:174:ILE:HB	1:B:165:VAL:HA	5	0.16
(3,1390)	1:A:174:ILE:HB	1:B:192:ILE:HA	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1390)	1:A:205:VAL:HB	1:A:161:ILE:HA	5	0.16
(3,1390)	1:A:205:VAL:HB	1:A:165:VAL:HA	5	0.16
(3,1390)	1:A:205:VAL:HB	1:A:192:ILE:HA	5	0.16
(3,1390)	1:A:205:VAL:HB	1:B:161:ILE:HA	5	0.16
(3,1390)	1:A:205:VAL:HB	1:B:165:VAL:HA	5	0.16
(3,1390)	1:A:205:VAL:HB	1:B:192:ILE:HA	5	0.16
(3,1390)	1:B:164:GLU:HB3	1:A:161:ILE:HA	5	0.16
(3,1390)	1:B:164:GLU:HB3	1:A:165:VAL:HA	5	0.16
(3,1390)	1:B:164:GLU:HB3	1:A:192:ILE:HA	5	0.16
(3,1390)	1:B:164:GLU:HB3	1:B:161:ILE:HA	5	0.16
(3,1390)	1:B:164:GLU:HB3	1:B:165:VAL:HA	5	0.16
(3,1390)	1:B:164:GLU:HB3	1:B:192:ILE:HA	5	0.16
(3,1390)	1:B:174:ILE:HB	1:A:161:ILE:HA	5	0.16
(3,1390)	1:B:174:ILE:HB	1:A:165:VAL:HA	5	0.16
(3,1390)	1:B:174:ILE:HB	1:A:192:ILE:HA	5	0.16
(3,1390)	1:B:174:ILE:HB	1:B:161:ILE:HA	5	0.16
(3,1390)	1:B:174:ILE:HB	1:B:165:VAL:HA	5	0.16
(3,1390)	1:B:174:ILE:HB	1:B:192:ILE:HA	5	0.16
(3,1390)	1:B:198:VAL:HB	1:A:161:ILE:HA	5	0.16
(3,1390)	1:B:198:VAL:HB	1:A:165:VAL:HA	5	0.16
(3,1390)	1:B:198:VAL:HB	1:A:192:ILE:HA	5	0.16
(3,1390)	1:B:198:VAL:HB	1:B:161:ILE:HA	5	0.16
(3,1390)	1:B:198:VAL:HB	1:B:165:VAL:HA	5	0.16
(3,1390)	1:B:198:VAL:HB	1:B:192:ILE:HA	5	0.16
(3,1390)	1:B:205:VAL:HB	1:A:161:ILE:HA	5	0.16
(3,1390)	1:B:205:VAL:HB	1:A:165:VAL:HA	5	0.16
(3,1390)	1:B:205:VAL:HB	1:A:192:ILE:HA	5	0.16
(3,1390)	1:B:205:VAL:HB	1:B:161:ILE:HA	5	0.16
(3,1390)	1:B:205:VAL:HB	1:B:165:VAL:HA	5	0.16
(3,1390)	1:B:205:VAL:HB	1:B:192:ILE:HA	5	0.16
(3,1364)	1:A:166:GLU:HB3	1:A:205:VAL:H	6	0.16
(3,1364)	1:A:166:GLU:HB3	1:B:205:VAL:H	6	0.16
(3,1364)	1:A:201:ARG:HB3	1:A:205:VAL:H	6	0.16
(3,1364)	1:A:201:ARG:HB3	1:B:205:VAL:H	6	0.16
(3,1364)	1:A:206:LEU:HG	1:A:205:VAL:H	6	0.16
(3,1364)	1:A:206:LEU:HG	1:B:205:VAL:H	6	0.16
(3,1364)	1:B:166:GLU:HB3	1:A:205:VAL:H	6	0.16
(3,1364)	1:B:166:GLU:HB3	1:B:205:VAL:H	6	0.16
(3,1364)	1:B:189:LEU:HG	1:A:205:VAL:H	6	0.16
(3,1364)	1:B:189:LEU:HG	1:B:205:VAL:H	6	0.16
(3,1364)	1:B:201:ARG:HB3	1:A:205:VAL:H	6	0.16
(3,1364)	1:B:201:ARG:HB3	1:B:205:VAL:H	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1364)	1:B:206:LEU:HG	1:A:205:VAL:H	6	0.16
(3,1364)	1:B:206:LEU:HG	1:B:205:VAL:H	6	0.16
(3,1364)	1:A:166:GLU:HB3	1:A:205:VAL:H	9	0.16
(3,1364)	1:A:166:GLU:HB3	1:B:205:VAL:H	9	0.16
(3,1364)	1:A:201:ARG:HB3	1:A:205:VAL:H	9	0.16
(3,1364)	1:A:201:ARG:HB3	1:B:205:VAL:H	9	0.16
(3,1364)	1:A:206:LEU:HG	1:A:205:VAL:H	9	0.16
(3,1364)	1:A:206:LEU:HG	1:B:205:VAL:H	9	0.16
(3,1364)	1:B:166:GLU:HB3	1:A:205:VAL:H	9	0.16
(3,1364)	1:B:166:GLU:HB3	1:B:205:VAL:H	9	0.16
(3,1364)	1:B:189:LEU:HG	1:A:205:VAL:H	9	0.16
(3,1364)	1:B:189:LEU:HG	1:B:205:VAL:H	9	0.16
(3,1364)	1:B:201:ARG:HB3	1:A:205:VAL:H	9	0.16
(3,1364)	1:B:201:ARG:HB3	1:B:205:VAL:H	9	0.16
(3,1364)	1:B:206:LEU:HG	1:A:205:VAL:H	9	0.16
(3,1364)	1:B:206:LEU:HG	1:B:205:VAL:H	9	0.16
(3,1321)	1:A:190:THR:HB	1:A:191:SER:H	1	0.16
(3,1321)	1:A:190:THR:HB	1:B:191:SER:H	1	0.16
(3,1321)	1:B:190:THR:HB	1:A:191:SER:H	1	0.16
(3,1321)	1:B:190:THR:HB	1:B:191:SER:H	1	0.16
(3,1321)	1:A:190:THR:HB	1:A:191:SER:H	3	0.16
(3,1321)	1:A:190:THR:HB	1:B:191:SER:H	3	0.16
(3,1321)	1:B:190:THR:HB	1:A:191:SER:H	3	0.16
(3,1321)	1:B:190:THR:HB	1:B:191:SER:H	3	0.16
(3,1321)	1:A:190:THR:HB	1:A:191:SER:H	5	0.16
(3,1321)	1:A:190:THR:HB	1:B:191:SER:H	5	0.16
(3,1321)	1:B:190:THR:HB	1:A:191:SER:H	5	0.16
(3,1321)	1:B:190:THR:HB	1:B:191:SER:H	5	0.16
(3,1321)	1:A:190:THR:HB	1:A:191:SER:H	7	0.16
(3,1321)	1:A:190:THR:HB	1:B:191:SER:H	7	0.16
(3,1321)	1:B:190:THR:HB	1:A:191:SER:H	7	0.16
(3,1321)	1:B:190:THR:HB	1:B:191:SER:H	7	0.16
(3,1302)	1:A:172:GLN:HG2	1:A:173:GLU:H	9	0.16
(3,1302)	1:A:172:GLN:HG2	1:B:173:GLU:H	9	0.16
(3,1302)	1:A:173:GLU:HG3	1:A:173:GLU:H	9	0.16
(3,1302)	1:A:173:GLU:HG3	1:B:173:GLU:H	9	0.16
(3,1302)	1:B:173:GLU:HG3	1:A:173:GLU:H	9	0.16
(3,1302)	1:B:173:GLU:HG3	1:B:173:GLU:H	9	0.16
(3,1269)	1:A:149:LYS:HE3	1:A:150:GLU:H	7	0.16
(3,1269)	1:A:149:LYS:HE3	1:A:165:VAL:H	7	0.16
(3,1269)	1:A:149:LYS:HE3	1:B:150:GLU:H	7	0.16
(3,1269)	1:A:149:LYS:HE3	1:B:165:VAL:H	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1269)	1:A:165:VAL:HB	1:A:150:GLU:H	7	0.16
(3,1269)	1:A:165:VAL:HB	1:A:165:VAL:H	7	0.16
(3,1269)	1:A:165:VAL:HB	1:B:150:GLU:H	7	0.16
(3,1269)	1:A:165:VAL:HB	1:B:165:VAL:H	7	0.16
(3,1269)	1:B:149:LYS:HE3	1:A:150:GLU:H	7	0.16
(3,1269)	1:B:149:LYS:HE3	1:A:165:VAL:H	7	0.16
(3,1269)	1:B:149:LYS:HE3	1:B:150:GLU:H	7	0.16
(3,1269)	1:B:149:LYS:HE3	1:B:165:VAL:H	7	0.16
(3,1269)	1:B:151:GLN:HG2	1:A:150:GLU:H	7	0.16
(3,1269)	1:B:151:GLN:HG2	1:A:165:VAL:H	7	0.16
(3,1269)	1:B:151:GLN:HG2	1:B:150:GLU:H	7	0.16
(3,1269)	1:B:151:GLN:HG2	1:B:165:VAL:H	7	0.16
(3,1269)	1:B:165:VAL:HB	1:A:150:GLU:H	7	0.16
(3,1269)	1:B:165:VAL:HB	1:A:165:VAL:H	7	0.16
(3,1269)	1:B:165:VAL:HB	1:B:150:GLU:H	7	0.16
(3,1269)	1:B:165:VAL:HB	1:B:165:VAL:H	7	0.16
(3,126)	1:B:149:LYS:H	1:B:148:GLN:HB2	7	0.16
(3,1207)	1:A:164:GLU:HG2	1:A:175:ALA:H	5	0.16
(3,1207)	1:A:164:GLU:HG2	1:B:175:ALA:H	5	0.16
(3,1207)	1:A:176:ASP:HB2	1:A:175:ALA:H	5	0.16
(3,1207)	1:A:176:ASP:HB2	1:B:175:ALA:H	5	0.16
(3,1207)	1:B:176:ASP:HB2	1:A:175:ALA:H	5	0.16
(3,1207)	1:B:176:ASP:HB2	1:B:175:ALA:H	5	0.16
(3,1199)	1:A:149:LYS:HA	1:A:149:LYS:H	1	0.16
(3,1199)	1:A:149:LYS:HA	1:A:166:GLU:H	1	0.16
(3,1199)	1:A:149:LYS:HA	1:B:149:LYS:H	1	0.16
(3,1199)	1:A:149:LYS:HA	1:B:166:GLU:H	1	0.16
(3,1199)	1:A:205:VAL:HA	1:A:149:LYS:H	1	0.16
(3,1199)	1:A:205:VAL:HA	1:A:166:GLU:H	1	0.16
(3,1199)	1:A:205:VAL:HA	1:B:149:LYS:H	1	0.16
(3,1199)	1:A:205:VAL:HA	1:B:166:GLU:H	1	0.16
(3,1199)	1:B:149:LYS:HA	1:A:149:LYS:H	1	0.16
(3,1199)	1:B:149:LYS:HA	1:A:166:GLU:H	1	0.16
(3,1199)	1:B:149:LYS:HA	1:B:149:LYS:H	1	0.16
(3,1199)	1:B:149:LYS:HA	1:B:166:GLU:H	1	0.16
(3,1199)	1:B:205:VAL:HA	1:A:149:LYS:H	1	0.16
(3,1199)	1:B:205:VAL:HA	1:A:166:GLU:H	1	0.16
(3,1199)	1:B:205:VAL:HA	1:B:149:LYS:H	1	0.16
(3,1199)	1:B:205:VAL:HA	1:B:166:GLU:H	1	0.16
(3,1152)	1:A:157:ARG:HB2	1:A:160:LEU:H	8	0.16
(3,1152)	1:A:157:ARG:HB2	1:B:160:LEU:H	8	0.16
(3,1152)	1:A:158:GLU:HG3	1:A:160:LEU:H	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1152)	1:A:158:GLU:HG3	1:B:160:LEU:H	8	0.16
(3,1152)	1:A:163:GLN:HB2	1:A:160:LEU:H	8	0.16
(3,1152)	1:A:163:GLN:HB2	1:B:160:LEU:H	8	0.16
(3,1152)	1:B:157:ARG:HB2	1:A:160:LEU:H	8	0.16
(3,1152)	1:B:157:ARG:HB2	1:B:160:LEU:H	8	0.16
(3,1152)	1:B:158:GLU:HG3	1:A:160:LEU:H	8	0.16
(3,1152)	1:B:158:GLU:HG3	1:B:160:LEU:H	8	0.16
(3,1131)	1:A:203:GLU:HG2	1:A:204:ALA:H	2	0.16
(3,1131)	1:A:203:GLU:HG2	1:B:204:ALA:H	2	0.16
(3,1131)	1:A:205:VAL:HB	1:A:204:ALA:H	2	0.16
(3,1131)	1:A:205:VAL:HB	1:B:204:ALA:H	2	0.16
(3,1131)	1:B:203:GLU:HG2	1:A:204:ALA:H	2	0.16
(3,1131)	1:B:203:GLU:HG2	1:B:204:ALA:H	2	0.16
(3,1131)	1:B:205:VAL:HB	1:A:204:ALA:H	2	0.16
(3,1131)	1:B:205:VAL:HB	1:B:204:ALA:H	2	0.16
(3,1131)	1:A:203:GLU:HG2	1:A:204:ALA:H	8	0.16
(3,1131)	1:A:203:GLU:HG2	1:B:204:ALA:H	8	0.16
(3,1131)	1:A:205:VAL:HB	1:A:204:ALA:H	8	0.16
(3,1131)	1:A:205:VAL:HB	1:B:204:ALA:H	8	0.16
(3,1131)	1:B:203:GLU:HG2	1:A:204:ALA:H	8	0.16
(3,1131)	1:B:203:GLU:HG2	1:B:204:ALA:H	8	0.16
(3,1131)	1:B:205:VAL:HB	1:A:204:ALA:H	8	0.16
(3,1131)	1:B:205:VAL:HB	1:B:204:ALA:H	8	0.16
(3,1131)	1:A:203:GLU:HG2	1:A:204:ALA:H	10	0.16
(3,1131)	1:A:203:GLU:HG2	1:B:204:ALA:H	10	0.16
(3,1131)	1:A:205:VAL:HB	1:A:204:ALA:H	10	0.16
(3,1131)	1:A:205:VAL:HB	1:B:204:ALA:H	10	0.16
(3,1131)	1:B:203:GLU:HG2	1:A:204:ALA:H	10	0.16
(3,1131)	1:B:203:GLU:HG2	1:B:204:ALA:H	10	0.16
(3,1131)	1:B:205:VAL:HB	1:A:204:ALA:H	10	0.16
(3,1131)	1:B:205:VAL:HB	1:B:204:ALA:H	10	0.16
(3,1121)	1:A:157:ARG:HB2	1:A:162:LEU:H	1	0.16
(3,1121)	1:A:157:ARG:HB2	1:B:162:LEU:H	1	0.16
(3,1121)	1:A:158:GLU:HG3	1:A:162:LEU:H	1	0.16
(3,1121)	1:A:158:GLU:HG3	1:B:162:LEU:H	1	0.16
(3,1121)	1:A:163:GLN:HB2	1:A:162:LEU:H	1	0.16
(3,1121)	1:A:163:GLN:HB2	1:B:162:LEU:H	1	0.16
(3,1121)	1:A:166:GLU:HG2	1:A:162:LEU:H	1	0.16
(3,1121)	1:A:166:GLU:HG2	1:B:162:LEU:H	1	0.16
(3,1121)	1:A:192:ILE:HB	1:A:162:LEU:H	1	0.16
(3,1121)	1:A:192:ILE:HB	1:B:162:LEU:H	1	0.16
(3,1121)	1:B:151:GLN:HB2	1:A:162:LEU:H	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1121)	1:B:151:GLN:HB2	1:B:162:LEU:H	1	0.16
(3,1121)	1:B:158:GLU:HG3	1:A:162:LEU:H	1	0.16
(3,1121)	1:B:158:GLU:HG3	1:B:162:LEU:H	1	0.16
(3,1121)	1:B:163:GLN:HB2	1:A:162:LEU:H	1	0.16
(3,1121)	1:B:163:GLN:HB2	1:B:162:LEU:H	1	0.16
(3,1121)	1:B:166:GLU:HG2	1:A:162:LEU:H	1	0.16
(3,1121)	1:B:166:GLU:HG2	1:B:162:LEU:H	1	0.16
(3,1121)	1:B:192:ILE:HB	1:A:162:LEU:H	1	0.16
(3,1121)	1:B:192:ILE:HB	1:B:162:LEU:H	1	0.16
(3,1106)	1:A:194:ASN:HB2	1:A:193:PHE:H	9	0.16
(3,1106)	1:A:194:ASN:HB2	1:B:193:PHE:H	9	0.16
(3,1106)	1:B:194:ASN:HB2	1:A:193:PHE:H	9	0.16
(3,1106)	1:B:194:ASN:HB2	1:B:193:PHE:H	9	0.16
(3,1086)	1:A:164:GLU:HB3	1:A:176:ASP:H	4	0.16
(3,1086)	1:A:164:GLU:HB3	1:B:176:ASP:H	4	0.16
(3,1086)	1:A:174:ILE:HB	1:A:176:ASP:H	4	0.16
(3,1086)	1:A:174:ILE:HB	1:B:176:ASP:H	4	0.16
(3,1086)	1:B:164:GLU:HB3	1:A:176:ASP:H	4	0.16
(3,1086)	1:B:164:GLU:HB3	1:B:176:ASP:H	4	0.16
(3,1086)	1:B:173:GLU:HG3	1:A:176:ASP:H	4	0.16
(3,1086)	1:B:173:GLU:HG3	1:B:176:ASP:H	4	0.16
(3,1086)	1:B:174:ILE:HB	1:A:176:ASP:H	4	0.16
(3,1086)	1:B:174:ILE:HB	1:B:176:ASP:H	4	0.16
(3,1086)	1:A:164:GLU:HB3	1:A:176:ASP:H	5	0.16
(3,1086)	1:A:164:GLU:HB3	1:B:176:ASP:H	5	0.16
(3,1086)	1:A:174:ILE:HB	1:A:176:ASP:H	5	0.16
(3,1086)	1:A:174:ILE:HB	1:B:176:ASP:H	5	0.16
(3,1086)	1:B:164:GLU:HB3	1:A:176:ASP:H	5	0.16
(3,1086)	1:B:164:GLU:HB3	1:B:176:ASP:H	5	0.16
(3,1086)	1:B:173:GLU:HG3	1:A:176:ASP:H	5	0.16
(3,1086)	1:B:173:GLU:HG3	1:B:176:ASP:H	5	0.16
(3,1086)	1:B:174:ILE:HB	1:A:176:ASP:H	5	0.16
(3,1086)	1:B:174:ILE:HB	1:B:176:ASP:H	5	0.16
(3,1086)	1:A:164:GLU:HB3	1:A:176:ASP:H	7	0.16
(3,1086)	1:A:164:GLU:HB3	1:B:176:ASP:H	7	0.16
(3,1086)	1:A:174:ILE:HB	1:A:176:ASP:H	7	0.16
(3,1086)	1:A:174:ILE:HB	1:B:176:ASP:H	7	0.16
(3,1086)	1:B:164:GLU:HB3	1:A:176:ASP:H	7	0.16
(3,1086)	1:B:164:GLU:HB3	1:B:176:ASP:H	7	0.16
(3,1086)	1:B:173:GLU:HG3	1:A:176:ASP:H	7	0.16
(3,1086)	1:B:173:GLU:HG3	1:B:176:ASP:H	7	0.16
(3,1086)	1:B:174:ILE:HB	1:A:176:ASP:H	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1086)	1:B:174:ILE:HB	1:B:176:ASP:H	7	0.16
(3,1086)	1:A:164:GLU:HB3	1:A:176:ASP:H	9	0.16
(3,1086)	1:A:164:GLU:HB3	1:B:176:ASP:H	9	0.16
(3,1086)	1:A:174:ILE:HB	1:A:176:ASP:H	9	0.16
(3,1086)	1:A:174:ILE:HB	1:B:176:ASP:H	9	0.16
(3,1086)	1:B:164:GLU:HB3	1:A:176:ASP:H	9	0.16
(3,1086)	1:B:164:GLU:HB3	1:B:176:ASP:H	9	0.16
(3,1086)	1:B:173:GLU:HG3	1:A:176:ASP:H	9	0.16
(3,1086)	1:B:173:GLU:HG3	1:B:176:ASP:H	9	0.16
(3,1086)	1:B:174:ILE:HB	1:A:176:ASP:H	9	0.16
(3,1086)	1:B:174:ILE:HB	1:B:176:ASP:H	9	0.16
(3,1086)	1:A:164:GLU:HB3	1:A:176:ASP:H	10	0.16
(3,1086)	1:A:164:GLU:HB3	1:B:176:ASP:H	10	0.16
(3,1086)	1:A:174:ILE:HB	1:A:176:ASP:H	10	0.16
(3,1086)	1:A:174:ILE:HB	1:B:176:ASP:H	10	0.16
(3,1086)	1:B:164:GLU:HB3	1:A:176:ASP:H	10	0.16
(3,1086)	1:B:164:GLU:HB3	1:B:176:ASP:H	10	0.16
(3,1086)	1:B:173:GLU:HG3	1:A:176:ASP:H	10	0.16
(3,1086)	1:B:173:GLU:HG3	1:B:176:ASP:H	10	0.16
(3,1086)	1:B:174:ILE:HB	1:A:176:ASP:H	10	0.16
(3,1086)	1:B:174:ILE:HB	1:B:176:ASP:H	10	0.16
(2,83)	1:B:201:ARG:O	1:B:205:VAL:H	2	0.16
(2,81)	1:A:201:ARG:O	1:A:205:VAL:H	3	0.16
(2,81)	1:A:201:ARG:O	1:A:205:VAL:H	4	0.16
(2,42)	1:A:170:THR:O	1:A:174:ILE:H	4	0.16
(2,32)	1:B:162:LEU:O	1:B:166:GLU:H	1	0.16
(2,32)	1:B:162:LEU:O	1:B:166:GLU:H	9	0.16
(2,24)	1:B:160:LEU:O	1:B:164:GLU:H	10	0.16
(2,22)	1:A:160:LEU:O	1:A:164:GLU:H	10	0.16
(1,898)	1:A:198:VAL:H	1:A:207:ILE:HG21	1	0.16
(1,898)	1:A:198:VAL:H	1:A:207:ILE:HG22	1	0.16
(1,898)	1:A:198:VAL:H	1:A:207:ILE:HG23	1	0.16
(1,712)	1:A:179:HIS:H	1:A:181:SER:HA	3	0.16
(1,663)	1:B:201:ARG:H	1:B:193:PHE:H	2	0.16
(1,663)	1:B:201:ARG:H	1:B:193:PHE:H	8	0.16
(1,662)	1:A:201:ARG:H	1:A:193:PHE:H	10	0.16
(1,359)	1:A:172:GLN:H	1:A:173:GLU:HB2	2	0.16
(1,242)	1:A:152:ASP:H	1:A:154:LEU:HA	6	0.16
(1,1885)	1:A:154:LEU:HB2	1:A:157:ARG:HA	1	0.16
(1,1885)	1:A:154:LEU:HB2	1:A:162:LEU:HA	1	0.16
(1,1885)	1:A:154:LEU:HB3	1:A:157:ARG:HA	1	0.16
(1,1885)	1:A:154:LEU:HB3	1:A:162:LEU:HA	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1794)	1:A:152:ASP:HA	1:A:155:THR:H	4	0.16
(1,1794)	1:A:152:ASP:HA	1:B:155:THR:H	4	0.16
(1,1794)	1:B:152:ASP:HA	1:A:155:THR:H	4	0.16
(1,1794)	1:B:152:ASP:HA	1:B:155:THR:H	4	0.16
(1,1763)	1:A:211:ASP:HA	1:A:146:SER:H	6	0.16
(1,1763)	1:A:211:ASP:HA	1:A:209:LYS:H	6	0.16
(1,1763)	1:A:211:ASP:HA	1:B:146:SER:H	6	0.16
(1,1763)	1:A:211:ASP:HA	1:B:209:LYS:H	6	0.16
(1,1763)	1:B:211:ASP:HA	1:A:146:SER:H	6	0.16
(1,1763)	1:B:211:ASP:HA	1:A:209:LYS:H	6	0.16
(1,1763)	1:B:211:ASP:HA	1:B:146:SER:H	6	0.16
(1,1763)	1:B:211:ASP:HA	1:B:209:LYS:H	6	0.16
(1,151)	1:A:175:ALA:H	1:A:186:GLU:H	2	0.16
(1,1430)	1:B:178:LEU:HD21	1:B:164:GLU:HA	2	0.16
(1,1430)	1:B:178:LEU:HD22	1:B:164:GLU:HA	2	0.16
(1,1430)	1:B:178:LEU:HD23	1:B:164:GLU:HA	2	0.16
(1,1099)	1:A:177:ALA:H	1:A:182:LYS:HE2	5	0.16
(1,1097)	1:A:177:ALA:H	1:A:182:LYS:HD2	7	0.16
(1,1097)	1:A:177:ALA:H	1:A:182:LYS:HD3	7	0.16
(3,995)	1:A:197:ASN:HA	1:A:198:VAL:H	3	0.15
(3,995)	1:A:197:ASN:HA	1:B:198:VAL:H	3	0.15
(3,995)	1:B:197:ASN:HA	1:A:198:VAL:H	3	0.15
(3,995)	1:B:197:ASN:HA	1:B:198:VAL:H	3	0.15
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG11	2	0.15
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG12	2	0.15
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG13	2	0.15
(3,829)	1:A:148:GLN:HB3	1:A:149:LYS:H	3	0.15
(3,829)	1:A:148:GLN:HB3	1:B:166:GLU:H	3	0.15
(3,829)	1:B:166:GLU:HG3	1:A:149:LYS:H	3	0.15
(3,829)	1:B:166:GLU:HG3	1:B:166:GLU:H	3	0.15
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG21	1	0.15
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG22	1	0.15
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG23	1	0.15
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG21	1	0.15
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG22	1	0.15
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG23	1	0.15
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG21	1	0.15
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG22	1	0.15
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG23	1	0.15
(3,760)	1:A:198:VAL:HG21	1:B:205:VAL:HG21	1	0.15
(3,760)	1:A:198:VAL:HG21	1:B:205:VAL:HG22	1	0.15
(3,760)	1:A:198:VAL:HG21	1:B:205:VAL:HG23	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,760)	1:A:198:VAL:HG22	1:B:205:VAL:HG21	1	0.15
(3,760)	1:A:198:VAL:HG22	1:B:205:VAL:HG22	1	0.15
(3,760)	1:A:198:VAL:HG22	1:B:205:VAL:HG23	1	0.15
(3,760)	1:A:198:VAL:HG23	1:B:205:VAL:HG21	1	0.15
(3,760)	1:A:198:VAL:HG23	1:B:205:VAL:HG22	1	0.15
(3,760)	1:A:198:VAL:HG23	1:B:205:VAL:HG23	1	0.15
(3,716)	1:A:149:LYS:HB2	1:A:153:VAL:HB	3	0.15
(3,716)	1:A:149:LYS:HB3	1:A:153:VAL:HB	3	0.15
(3,716)	1:A:149:LYS:HB2	1:A:153:VAL:HB	6	0.15
(3,716)	1:A:149:LYS:HB3	1:A:153:VAL:HB	6	0.15
(3,697)	1:A:196:LEU:HB2	1:A:196:LEU:HG	10	0.15
(3,697)	1:A:196:LEU:HB3	1:A:196:LEU:HG	10	0.15
(3,68)	1:A:212:GLY:H	1:A:211:ASP:H	9	0.15
(3,668)	1:B:181:SER:HA	1:B:175:ALA:HB1	3	0.15
(3,668)	1:B:181:SER:HA	1:B:175:ALA:HB2	3	0.15
(3,668)	1:B:181:SER:HA	1:B:175:ALA:HB3	3	0.15
(3,667)	1:A:181:SER:HA	1:A:175:ALA:HB1	3	0.15
(3,667)	1:A:181:SER:HA	1:A:175:ALA:HB2	3	0.15
(3,667)	1:A:181:SER:HA	1:A:175:ALA:HB3	3	0.15
(3,652)	1:B:175:ALA:HA	1:B:180:LEU:HB2	7	0.15
(3,639)	1:B:166:GLU:HG2	1:B:162:LEU:HG	7	0.15
(3,614)	1:B:159:CYS:HB2	1:B:159:CYS:HA	3	0.15
(3,614)	1:B:159:CYS:HB3	1:B:159:CYS:HA	3	0.15
(3,586)	1:B:213:VAL:HG21	1:B:213:VAL:HA	3	0.15
(3,586)	1:B:213:VAL:HG22	1:B:213:VAL:HA	3	0.15
(3,586)	1:B:213:VAL:HG23	1:B:213:VAL:HA	3	0.15
(3,586)	1:B:213:VAL:HG21	1:B:213:VAL:HA	5	0.15
(3,586)	1:B:213:VAL:HG22	1:B:213:VAL:HA	5	0.15
(3,586)	1:B:213:VAL:HG23	1:B:213:VAL:HA	5	0.15
(3,585)	1:A:213:VAL:HG21	1:A:213:VAL:HA	1	0.15
(3,585)	1:A:213:VAL:HG22	1:A:213:VAL:HA	1	0.15
(3,585)	1:A:213:VAL:HG23	1:A:213:VAL:HA	1	0.15
(3,585)	1:A:213:VAL:HG21	1:A:213:VAL:HA	5	0.15
(3,585)	1:A:213:VAL:HG22	1:A:213:VAL:HA	5	0.15
(3,585)	1:A:213:VAL:HG23	1:A:213:VAL:HA	5	0.15
(3,580)	1:B:206:LEU:HD11	1:B:206:LEU:HA	1	0.15
(3,580)	1:B:206:LEU:HD12	1:B:206:LEU:HA	1	0.15
(3,575)	1:A:149:LYS:HG2	1:A:149:LYS:HE2	4	0.15
(3,575)	1:A:149:LYS:HG2	1:A:149:LYS:HE3	4	0.15
(3,575)	1:A:149:LYS:HG3	1:A:149:LYS:HE2	4	0.15
(3,575)	1:A:149:LYS:HG3	1:A:149:LYS:HE3	4	0.15
(3,564)	1:B:157:ARG:HG3	1:B:157:ARG:HA	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,546)	1:B:151:GLN:HB3	1:B:151:GLN:HA	1	0.15
(3,546)	1:B:151:GLN:HB3	1:B:151:GLN:HA	10	0.15
(3,508)	1:B:157:ARG:HD2	1:B:157:ARG:HB2	10	0.15
(3,508)	1:B:157:ARG:HD3	1:B:157:ARG:HB2	10	0.15
(3,493)	1:A:149:LYS:HA	1:A:149:LYS:HG2	6	0.15
(3,493)	1:A:149:LYS:HA	1:A:149:LYS:HG3	6	0.15
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG11	1	0.15
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG12	1	0.15
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG13	1	0.15
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG11	4	0.15
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG12	4	0.15
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG13	4	0.15
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG11	6	0.15
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG12	6	0.15
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG13	6	0.15
(3,47)	1:B:210:SER:H	1:B:209:LYS:HB3	3	0.15
(3,465)	1:A:210:SER:HA	1:B:209:LYS:HD3	1	0.15
(3,465)	1:A:210:SER:HA	1:B:209:LYS:HD3	3	0.15
(3,396)	1:B:166:GLU:H	1:B:166:GLU:HB3	1	0.15
(3,374)	1:B:204:ALA:H	1:B:203:GLU:H	4	0.15
(3,374)	1:B:204:ALA:H	1:B:203:GLU:H	7	0.15
(3,374)	1:B:204:ALA:H	1:B:203:GLU:H	8	0.15
(3,373)	1:A:204:ALA:H	1:A:203:GLU:H	2	0.15
(3,373)	1:A:204:ALA:H	1:A:203:GLU:H	3	0.15
(3,373)	1:A:204:ALA:H	1:A:203:GLU:H	7	0.15
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD11	3	0.15
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD12	3	0.15
(3,372)	1:B:207:ILE:H	1:B:207:ILE:HD13	3	0.15
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD11	4	0.15
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD12	4	0.15
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD13	4	0.15
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD11	8	0.15
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD12	8	0.15
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD13	8	0.15
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD11	9	0.15
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD12	9	0.15
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD13	9	0.15
(3,354)	1:B:182:LYS:H	1:B:182:LYS:HE3	5	0.15
(3,354)	1:B:182:LYS:H	1:B:182:LYS:HE3	7	0.15
(3,353)	1:A:182:LYS:H	1:A:182:LYS:HE3	2	0.15
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG21	5	0.15
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG22	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,346)	1:A:203:GLU:H	1:A:202:THR:HG23	5	0.15
(3,221)	1:B:158:GLU:H	1:B:157:ARG:HB3	3	0.15
(3,169)	1:B:187:TYR:H	1:B:186:GLU:HG2	7	0.15
(3,169)	1:B:187:TYR:H	1:B:186:GLU:HG2	9	0.15
(3,1445)	1:A:189:LEU:HG	1:A:189:LEU:HA	3	0.15
(3,1445)	1:A:189:LEU:HG	1:B:189:LEU:HA	3	0.15
(3,1445)	1:A:201:ARG:HB3	1:A:189:LEU:HA	3	0.15
(3,1445)	1:A:201:ARG:HB3	1:B:189:LEU:HA	3	0.15
(3,1445)	1:B:189:LEU:HG	1:A:189:LEU:HA	3	0.15
(3,1445)	1:B:189:LEU:HG	1:B:189:LEU:HA	3	0.15
(3,1445)	1:A:189:LEU:HG	1:A:189:LEU:HA	6	0.15
(3,1445)	1:A:189:LEU:HG	1:B:189:LEU:HA	6	0.15
(3,1445)	1:A:201:ARG:HB3	1:A:189:LEU:HA	6	0.15
(3,1445)	1:A:201:ARG:HB3	1:B:189:LEU:HA	6	0.15
(3,1445)	1:B:189:LEU:HG	1:A:189:LEU:HA	6	0.15
(3,1445)	1:B:189:LEU:HG	1:B:189:LEU:HA	6	0.15
(3,1445)	1:A:189:LEU:HG	1:A:189:LEU:HA	8	0.15
(3,1445)	1:A:189:LEU:HG	1:B:189:LEU:HA	8	0.15
(3,1445)	1:A:201:ARG:HB3	1:A:189:LEU:HA	8	0.15
(3,1445)	1:A:201:ARG:HB3	1:B:189:LEU:HA	8	0.15
(3,1445)	1:B:189:LEU:HG	1:A:189:LEU:HA	8	0.15
(3,1445)	1:B:189:LEU:HG	1:B:189:LEU:HA	8	0.15
(3,1445)	1:A:189:LEU:HG	1:A:189:LEU:HA	10	0.15
(3,1445)	1:A:189:LEU:HG	1:B:189:LEU:HA	10	0.15
(3,1445)	1:A:201:ARG:HB3	1:A:189:LEU:HA	10	0.15
(3,1445)	1:A:201:ARG:HB3	1:B:189:LEU:HA	10	0.15
(3,1445)	1:B:189:LEU:HG	1:A:189:LEU:HA	10	0.15
(3,1445)	1:B:189:LEU:HG	1:B:189:LEU:HA	10	0.15
(3,1437)	1:A:167:LYS:HB3	1:A:164:GLU:HA	9	0.15
(3,1437)	1:A:167:LYS:HB3	1:A:193:PHE:HA	9	0.15
(3,1437)	1:A:167:LYS:HB3	1:A:209:LYS:HA	9	0.15
(3,1437)	1:A:167:LYS:HB3	1:B:164:GLU:HA	9	0.15
(3,1437)	1:A:192:ILE:HG21	1:A:164:GLU:HA	9	0.15
(3,1437)	1:A:192:ILE:HG21	1:A:193:PHE:HA	9	0.15
(3,1437)	1:A:192:ILE:HG21	1:A:209:LYS:HA	9	0.15
(3,1437)	1:A:192:ILE:HG21	1:B:164:GLU:HA	9	0.15
(3,1437)	1:A:192:ILE:HG22	1:A:164:GLU:HA	9	0.15
(3,1437)	1:A:192:ILE:HG22	1:A:193:PHE:HA	9	0.15
(3,1437)	1:A:192:ILE:HG22	1:A:209:LYS:HA	9	0.15
(3,1437)	1:A:192:ILE:HG22	1:B:164:GLU:HA	9	0.15
(3,1437)	1:A:192:ILE:HG23	1:A:164:GLU:HA	9	0.15
(3,1437)	1:A:192:ILE:HG23	1:A:193:PHE:HA	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1437)	1:A:192:ILE:HG23	1:A:209:LYS:HA	9	0.15
(3,1437)	1:A:192:ILE:HG23	1:B:164:GLU:HA	9	0.15
(3,1437)	1:A:208:ALA:HB1	1:A:164:GLU:HA	9	0.15
(3,1437)	1:A:208:ALA:HB1	1:A:193:PHE:HA	9	0.15
(3,1437)	1:A:208:ALA:HB1	1:A:209:LYS:HA	9	0.15
(3,1437)	1:A:208:ALA:HB1	1:B:164:GLU:HA	9	0.15
(3,1437)	1:A:208:ALA:HB2	1:A:164:GLU:HA	9	0.15
(3,1437)	1:A:208:ALA:HB2	1:A:193:PHE:HA	9	0.15
(3,1437)	1:A:208:ALA:HB2	1:A:209:LYS:HA	9	0.15
(3,1437)	1:A:208:ALA:HB2	1:B:164:GLU:HA	9	0.15
(3,1437)	1:A:208:ALA:HB3	1:A:164:GLU:HA	9	0.15
(3,1437)	1:A:208:ALA:HB3	1:A:193:PHE:HA	9	0.15
(3,1437)	1:A:208:ALA:HB3	1:A:209:LYS:HA	9	0.15
(3,1437)	1:A:208:ALA:HB3	1:B:164:GLU:HA	9	0.15
(3,1437)	1:B:167:LYS:HB3	1:A:164:GLU:HA	9	0.15
(3,1437)	1:B:167:LYS:HB3	1:A:193:PHE:HA	9	0.15
(3,1437)	1:B:167:LYS:HB3	1:A:209:LYS:HA	9	0.15
(3,1437)	1:B:167:LYS:HB3	1:B:164:GLU:HA	9	0.15
(3,1402)	1:A:170:THR:HA	1:A:202:THR:HA	2	0.15
(3,1402)	1:A:170:THR:HA	1:B:181:SER:HB2	2	0.15
(3,1402)	1:A:170:THR:HA	1:B:202:THR:HA	2	0.15
(3,1402)	1:B:170:THR:HA	1:A:202:THR:HA	2	0.15
(3,1402)	1:B:170:THR:HA	1:B:181:SER:HB2	2	0.15
(3,1402)	1:B:170:THR:HA	1:B:202:THR:HA	2	0.15
(3,1402)	1:B:180:LEU:HA	1:A:202:THR:HA	2	0.15
(3,1402)	1:B:180:LEU:HA	1:B:181:SER:HB2	2	0.15
(3,1402)	1:B:180:LEU:HA	1:B:202:THR:HA	2	0.15
(3,1390)	1:A:158:GLU:HG3	1:A:161:ILE:HA	1	0.15
(3,1390)	1:A:158:GLU:HG3	1:A:165:VAL:HA	1	0.15
(3,1390)	1:A:158:GLU:HG3	1:A:192:ILE:HA	1	0.15
(3,1390)	1:A:158:GLU:HG3	1:B:161:ILE:HA	1	0.15
(3,1390)	1:A:158:GLU:HG3	1:B:165:VAL:HA	1	0.15
(3,1390)	1:A:158:GLU:HG3	1:B:192:ILE:HA	1	0.15
(3,1390)	1:A:164:GLU:HB3	1:A:161:ILE:HA	1	0.15
(3,1390)	1:A:164:GLU:HB3	1:A:165:VAL:HA	1	0.15
(3,1390)	1:A:164:GLU:HB3	1:A:192:ILE:HA	1	0.15
(3,1390)	1:A:164:GLU:HB3	1:B:161:ILE:HA	1	0.15
(3,1390)	1:A:164:GLU:HB3	1:B:165:VAL:HA	1	0.15
(3,1390)	1:A:164:GLU:HB3	1:B:192:ILE:HA	1	0.15
(3,1390)	1:A:174:ILE:HB	1:A:161:ILE:HA	1	0.15
(3,1390)	1:A:174:ILE:HB	1:A:165:VAL:HA	1	0.15
(3,1390)	1:A:174:ILE:HB	1:A:192:ILE:HA	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1390)	1:A:174:ILE:HB	1:B:161:ILE:HA	1	0.15
(3,1390)	1:A:174:ILE:HB	1:B:165:VAL:HA	1	0.15
(3,1390)	1:A:174:ILE:HB	1:B:192:ILE:HA	1	0.15
(3,1390)	1:A:205:VAL:HB	1:A:161:ILE:HA	1	0.15
(3,1390)	1:A:205:VAL:HB	1:A:165:VAL:HA	1	0.15
(3,1390)	1:A:205:VAL:HB	1:A:192:ILE:HA	1	0.15
(3,1390)	1:A:205:VAL:HB	1:B:161:ILE:HA	1	0.15
(3,1390)	1:A:205:VAL:HB	1:B:165:VAL:HA	1	0.15
(3,1390)	1:A:205:VAL:HB	1:B:192:ILE:HA	1	0.15
(3,1390)	1:B:164:GLU:HB3	1:A:161:ILE:HA	1	0.15
(3,1390)	1:B:164:GLU:HB3	1:A:165:VAL:HA	1	0.15
(3,1390)	1:B:164:GLU:HB3	1:A:192:ILE:HA	1	0.15
(3,1390)	1:B:164:GLU:HB3	1:B:161:ILE:HA	1	0.15
(3,1390)	1:B:164:GLU:HB3	1:B:165:VAL:HA	1	0.15
(3,1390)	1:B:164:GLU:HB3	1:B:192:ILE:HA	1	0.15
(3,1390)	1:B:174:ILE:HB	1:A:161:ILE:HA	1	0.15
(3,1390)	1:B:174:ILE:HB	1:A:165:VAL:HA	1	0.15
(3,1390)	1:B:174:ILE:HB	1:A:192:ILE:HA	1	0.15
(3,1390)	1:B:174:ILE:HB	1:B:161:ILE:HA	1	0.15
(3,1390)	1:B:174:ILE:HB	1:B:165:VAL:HA	1	0.15
(3,1390)	1:B:174:ILE:HB	1:B:192:ILE:HA	1	0.15
(3,1390)	1:B:198:VAL:HB	1:A:161:ILE:HA	1	0.15
(3,1390)	1:B:198:VAL:HB	1:A:165:VAL:HA	1	0.15
(3,1390)	1:B:198:VAL:HB	1:A:192:ILE:HA	1	0.15
(3,1390)	1:B:198:VAL:HB	1:B:161:ILE:HA	1	0.15
(3,1390)	1:B:198:VAL:HB	1:B:165:VAL:HA	1	0.15
(3,1390)	1:B:198:VAL:HB	1:B:192:ILE:HA	1	0.15
(3,1390)	1:B:205:VAL:HB	1:A:161:ILE:HA	1	0.15
(3,1390)	1:B:205:VAL:HB	1:A:165:VAL:HA	1	0.15
(3,1390)	1:B:205:VAL:HB	1:A:192:ILE:HA	1	0.15
(3,1390)	1:B:205:VAL:HB	1:B:161:ILE:HA	1	0.15
(3,1390)	1:B:205:VAL:HB	1:B:165:VAL:HA	1	0.15
(3,1390)	1:B:205:VAL:HB	1:B:192:ILE:HA	1	0.15
(3,1390)	1:A:158:GLU:HG3	1:A:161:ILE:HA	6	0.15
(3,1390)	1:A:158:GLU:HG3	1:A:165:VAL:HA	6	0.15
(3,1390)	1:A:158:GLU:HG3	1:A:192:ILE:HA	6	0.15
(3,1390)	1:A:158:GLU:HG3	1:B:161:ILE:HA	6	0.15
(3,1390)	1:A:158:GLU:HG3	1:B:165:VAL:HA	6	0.15
(3,1390)	1:A:158:GLU:HG3	1:B:192:ILE:HA	6	0.15
(3,1390)	1:A:164:GLU:HB3	1:A:161:ILE:HA	6	0.15
(3,1390)	1:A:164:GLU:HB3	1:A:165:VAL:HA	6	0.15
(3,1390)	1:A:164:GLU:HB3	1:A:192:ILE:HA	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1390)	1:A:164:GLU:HB3	1:B:161:ILE:HA	6	0.15
(3,1390)	1:A:164:GLU:HB3	1:B:165:VAL:HA	6	0.15
(3,1390)	1:A:164:GLU:HB3	1:B:192:ILE:HA	6	0.15
(3,1390)	1:A:174:ILE:HB	1:A:161:ILE:HA	6	0.15
(3,1390)	1:A:174:ILE:HB	1:A:165:VAL:HA	6	0.15
(3,1390)	1:A:174:ILE:HB	1:A:192:ILE:HA	6	0.15
(3,1390)	1:A:174:ILE:HB	1:B:161:ILE:HA	6	0.15
(3,1390)	1:A:174:ILE:HB	1:B:165:VAL:HA	6	0.15
(3,1390)	1:A:174:ILE:HB	1:B:192:ILE:HA	6	0.15
(3,1390)	1:A:205:VAL:HB	1:A:161:ILE:HA	6	0.15
(3,1390)	1:A:205:VAL:HB	1:A:165:VAL:HA	6	0.15
(3,1390)	1:A:205:VAL:HB	1:A:192:ILE:HA	6	0.15
(3,1390)	1:A:205:VAL:HB	1:B:161:ILE:HA	6	0.15
(3,1390)	1:A:205:VAL:HB	1:B:165:VAL:HA	6	0.15
(3,1390)	1:A:205:VAL:HB	1:B:192:ILE:HA	6	0.15
(3,1390)	1:B:164:GLU:HB3	1:A:161:ILE:HA	6	0.15
(3,1390)	1:B:164:GLU:HB3	1:A:165:VAL:HA	6	0.15
(3,1390)	1:B:164:GLU:HB3	1:A:192:ILE:HA	6	0.15
(3,1390)	1:B:164:GLU:HB3	1:B:161:ILE:HA	6	0.15
(3,1390)	1:B:164:GLU:HB3	1:B:165:VAL:HA	6	0.15
(3,1390)	1:B:164:GLU:HB3	1:B:192:ILE:HA	6	0.15
(3,1390)	1:B:174:ILE:HB	1:A:161:ILE:HA	6	0.15
(3,1390)	1:B:174:ILE:HB	1:A:165:VAL:HA	6	0.15
(3,1390)	1:B:174:ILE:HB	1:A:192:ILE:HA	6	0.15
(3,1390)	1:B:174:ILE:HB	1:B:161:ILE:HA	6	0.15
(3,1390)	1:B:174:ILE:HB	1:B:165:VAL:HA	6	0.15
(3,1390)	1:B:174:ILE:HB	1:B:192:ILE:HA	6	0.15
(3,1390)	1:B:198:VAL:HB	1:A:161:ILE:HA	6	0.15
(3,1390)	1:B:198:VAL:HB	1:A:165:VAL:HA	6	0.15
(3,1390)	1:B:198:VAL:HB	1:A:192:ILE:HA	6	0.15
(3,1390)	1:B:198:VAL:HB	1:B:161:ILE:HA	6	0.15
(3,1390)	1:B:198:VAL:HB	1:B:165:VAL:HA	6	0.15
(3,1390)	1:B:198:VAL:HB	1:B:192:ILE:HA	6	0.15
(3,1390)	1:B:205:VAL:HB	1:A:161:ILE:HA	6	0.15
(3,1390)	1:B:205:VAL:HB	1:A:165:VAL:HA	6	0.15
(3,1390)	1:B:205:VAL:HB	1:A:192:ILE:HA	6	0.15
(3,1390)	1:B:205:VAL:HB	1:B:161:ILE:HA	6	0.15
(3,1390)	1:B:205:VAL:HB	1:B:165:VAL:HA	6	0.15
(3,1390)	1:B:205:VAL:HB	1:B:192:ILE:HA	6	0.15
(3,1389)	1:A:165:VAL:HB	1:A:205:VAL:HA	2	0.15
(3,1389)	1:A:165:VAL:HB	1:B:205:VAL:HA	2	0.15
(3,1389)	1:B:165:VAL:HB	1:A:205:VAL:HA	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1389)	1:B:165:VAL:HB	1:B:205:VAL:HA	2	0.15
(3,1389)	1:A:165:VAL:HB	1:A:205:VAL:HA	5	0.15
(3,1389)	1:A:165:VAL:HB	1:B:205:VAL:HA	5	0.15
(3,1389)	1:B:165:VAL:HB	1:A:205:VAL:HA	5	0.15
(3,1389)	1:B:165:VAL:HB	1:B:205:VAL:HA	5	0.15
(3,1321)	1:A:190:THR:HB	1:A:191:SER:H	4	0.15
(3,1321)	1:A:190:THR:HB	1:B:191:SER:H	4	0.15
(3,1321)	1:B:190:THR:HB	1:A:191:SER:H	4	0.15
(3,1321)	1:B:190:THR:HB	1:B:191:SER:H	4	0.15
(3,1321)	1:A:190:THR:HB	1:A:191:SER:H	9	0.15
(3,1321)	1:A:190:THR:HB	1:B:191:SER:H	9	0.15
(3,1321)	1:B:190:THR:HB	1:A:191:SER:H	9	0.15
(3,1321)	1:B:190:THR:HB	1:B:191:SER:H	9	0.15
(3,1207)	1:A:164:GLU:HG2	1:A:175:ALA:H	10	0.15
(3,1207)	1:A:164:GLU:HG2	1:B:175:ALA:H	10	0.15
(3,1207)	1:A:176:ASP:HB2	1:A:175:ALA:H	10	0.15
(3,1207)	1:A:176:ASP:HB2	1:B:175:ALA:H	10	0.15
(3,1207)	1:B:176:ASP:HB2	1:A:175:ALA:H	10	0.15
(3,1207)	1:B:176:ASP:HB2	1:B:175:ALA:H	10	0.15
(3,1121)	1:A:157:ARG:HB2	1:A:162:LEU:H	5	0.15
(3,1121)	1:A:157:ARG:HB2	1:B:162:LEU:H	5	0.15
(3,1121)	1:A:158:GLU:HG3	1:A:162:LEU:H	5	0.15
(3,1121)	1:A:158:GLU:HG3	1:B:162:LEU:H	5	0.15
(3,1121)	1:A:163:GLN:HB2	1:A:162:LEU:H	5	0.15
(3,1121)	1:A:163:GLN:HB2	1:B:162:LEU:H	5	0.15
(3,1121)	1:A:166:GLU:HG2	1:A:162:LEU:H	5	0.15
(3,1121)	1:A:166:GLU:HG2	1:B:162:LEU:H	5	0.15
(3,1121)	1:A:192:ILE:HB	1:A:162:LEU:H	5	0.15
(3,1121)	1:A:192:ILE:HB	1:B:162:LEU:H	5	0.15
(3,1121)	1:B:151:GLN:HB2	1:A:162:LEU:H	5	0.15
(3,1121)	1:B:151:GLN:HB2	1:B:162:LEU:H	5	0.15
(3,1121)	1:B:158:GLU:HG3	1:A:162:LEU:H	5	0.15
(3,1121)	1:B:158:GLU:HG3	1:B:162:LEU:H	5	0.15
(3,1121)	1:B:163:GLN:HB2	1:A:162:LEU:H	5	0.15
(3,1121)	1:B:163:GLN:HB2	1:B:162:LEU:H	5	0.15
(3,1121)	1:B:166:GLU:HG2	1:A:162:LEU:H	5	0.15
(3,1121)	1:B:166:GLU:HG2	1:B:162:LEU:H	5	0.15
(3,1121)	1:B:192:ILE:HB	1:A:162:LEU:H	5	0.15
(3,1121)	1:B:192:ILE:HB	1:B:162:LEU:H	5	0.15
(3,1086)	1:A:164:GLU:HB3	1:A:176:ASP:H	2	0.15
(3,1086)	1:A:164:GLU:HB3	1:B:176:ASP:H	2	0.15
(3,1086)	1:A:174:ILE:HB	1:A:176:ASP:H	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1086)	1:A:174:ILE:HB	1:B:176:ASP:H	2	0.15
(3,1086)	1:B:164:GLU:HB3	1:A:176:ASP:H	2	0.15
(3,1086)	1:B:164:GLU:HB3	1:B:176:ASP:H	2	0.15
(3,1086)	1:B:173:GLU:HG3	1:A:176:ASP:H	2	0.15
(3,1086)	1:B:173:GLU:HG3	1:B:176:ASP:H	2	0.15
(3,1086)	1:B:174:ILE:HB	1:A:176:ASP:H	2	0.15
(3,1086)	1:B:174:ILE:HB	1:B:176:ASP:H	2	0.15
(3,1086)	1:A:164:GLU:HB3	1:A:176:ASP:H	6	0.15
(3,1086)	1:A:164:GLU:HB3	1:B:176:ASP:H	6	0.15
(3,1086)	1:A:174:ILE:HB	1:A:176:ASP:H	6	0.15
(3,1086)	1:A:174:ILE:HB	1:B:176:ASP:H	6	0.15
(3,1086)	1:B:164:GLU:HB3	1:A:176:ASP:H	6	0.15
(3,1086)	1:B:164:GLU:HB3	1:B:176:ASP:H	6	0.15
(3,1086)	1:B:173:GLU:HG3	1:A:176:ASP:H	6	0.15
(3,1086)	1:B:173:GLU:HG3	1:B:176:ASP:H	6	0.15
(3,1086)	1:B:174:ILE:HB	1:A:176:ASP:H	6	0.15
(3,1086)	1:B:174:ILE:HB	1:B:176:ASP:H	6	0.15
(3,1086)	1:A:164:GLU:HB3	1:A:176:ASP:H	8	0.15
(3,1086)	1:A:164:GLU:HB3	1:B:176:ASP:H	8	0.15
(3,1086)	1:A:174:ILE:HB	1:A:176:ASP:H	8	0.15
(3,1086)	1:A:174:ILE:HB	1:B:176:ASP:H	8	0.15
(3,1086)	1:B:164:GLU:HB3	1:A:176:ASP:H	8	0.15
(3,1086)	1:B:164:GLU:HB3	1:B:176:ASP:H	8	0.15
(3,1086)	1:B:173:GLU:HG3	1:A:176:ASP:H	8	0.15
(3,1086)	1:B:173:GLU:HG3	1:B:176:ASP:H	8	0.15
(3,1086)	1:B:174:ILE:HB	1:A:176:ASP:H	8	0.15
(3,1086)	1:B:174:ILE:HB	1:B:176:ASP:H	8	0.15
(2,83)	1:B:201:ARG:O	1:B:205:VAL:H	4	0.15
(2,42)	1:A:170:THR:O	1:A:174:ILE:H	1	0.15
(2,30)	1:A:162:LEU:O	1:A:166:GLU:H	9	0.15
(2,22)	1:A:160:LEU:O	1:A:164:GLU:H	3	0.15
(1,899)	1:B:198:VAL:H	1:B:207:ILE:HG21	8	0.15
(1,899)	1:B:198:VAL:H	1:B:207:ILE:HG22	8	0.15
(1,899)	1:B:198:VAL:H	1:B:207:ILE:HG23	8	0.15
(1,726)	1:A:193:PHE:H	1:A:195:LYS:HB3	10	0.15
(1,663)	1:B:201:ARG:H	1:B:193:PHE:H	5	0.15
(1,663)	1:B:201:ARG:H	1:B:193:PHE:H	10	0.15
(1,1885)	1:A:154:LEU:HB2	1:A:157:ARG:HA	8	0.15
(1,1885)	1:A:154:LEU:HB2	1:A:162:LEU:HA	8	0.15
(1,1885)	1:A:154:LEU:HB3	1:A:157:ARG:HA	8	0.15
(1,1885)	1:A:154:LEU:HB3	1:A:162:LEU:HA	8	0.15
(1,1763)	1:A:211:ASP:HA	1:A:146:SER:H	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1763)	1:A:211:ASP:HA	1:A:209:LYS:H	1	0.15
(1,1763)	1:A:211:ASP:HA	1:B:146:SER:H	1	0.15
(1,1763)	1:A:211:ASP:HA	1:B:209:LYS:H	1	0.15
(1,1763)	1:B:211:ASP:HA	1:A:146:SER:H	1	0.15
(1,1763)	1:B:211:ASP:HA	1:A:209:LYS:H	1	0.15
(1,1763)	1:B:211:ASP:HA	1:B:146:SER:H	1	0.15
(1,1763)	1:B:211:ASP:HA	1:B:209:LYS:H	1	0.15
(1,1762)	1:A:152:ASP:HA	1:A:157:ARG:H	9	0.15
(1,1762)	1:A:152:ASP:HA	1:A:163:GLN:H	9	0.15
(1,1762)	1:A:152:ASP:HA	1:B:157:ARG:H	9	0.15
(1,1762)	1:A:152:ASP:HA	1:B:163:GLN:H	9	0.15
(1,1762)	1:B:152:ASP:HA	1:A:157:ARG:H	9	0.15
(1,1762)	1:B:152:ASP:HA	1:A:163:GLN:H	9	0.15
(1,1762)	1:B:152:ASP:HA	1:B:157:ARG:H	9	0.15
(1,1762)	1:B:152:ASP:HA	1:B:163:GLN:H	9	0.15
(1,152)	1:B:175:ALA:H	1:B:186:GLU:H	1	0.15
(1,151)	1:A:175:ALA:H	1:A:186:GLU:H	1	0.15
(1,151)	1:A:175:ALA:H	1:A:186:GLU:H	4	0.15
(1,151)	1:A:175:ALA:H	1:A:186:GLU:H	9	0.15
(1,1474)	1:B:162:LEU:HD21	1:B:165:VAL:HB	4	0.15
(1,1474)	1:B:162:LEU:HD22	1:B:165:VAL:HB	4	0.15
(1,1474)	1:B:162:LEU:HD23	1:B:165:VAL:HB	4	0.15
(1,1473)	1:A:162:LEU:HD21	1:A:165:VAL:HB	2	0.15
(1,1473)	1:A:162:LEU:HD22	1:A:165:VAL:HB	2	0.15
(1,1473)	1:A:162:LEU:HD23	1:A:165:VAL:HB	2	0.15
(1,1473)	1:A:162:LEU:HD21	1:A:165:VAL:HB	4	0.15
(1,1473)	1:A:162:LEU:HD22	1:A:165:VAL:HB	4	0.15
(1,1473)	1:A:162:LEU:HD23	1:A:165:VAL:HB	4	0.15
(1,1473)	1:A:162:LEU:HD21	1:A:165:VAL:HB	7	0.15
(1,1473)	1:A:162:LEU:HD22	1:A:165:VAL:HB	7	0.15
(1,1473)	1:A:162:LEU:HD23	1:A:165:VAL:HB	7	0.15
(1,1429)	1:A:178:LEU:HD21	1:A:164:GLU:HA	2	0.15
(1,1429)	1:A:178:LEU:HD22	1:A:164:GLU:HA	2	0.15
(1,1429)	1:A:178:LEU:HD23	1:A:164:GLU:HA	2	0.15
(1,1429)	1:A:178:LEU:HD21	1:A:164:GLU:HA	4	0.15
(1,1429)	1:A:178:LEU:HD22	1:A:164:GLU:HA	4	0.15
(1,1429)	1:A:178:LEU:HD23	1:A:164:GLU:HA	4	0.15
(1,1392)	1:B:206:LEU:HD11	1:A:167:LYS:HD2	1	0.15
(1,1392)	1:B:206:LEU:HD11	1:A:167:LYS:HD3	1	0.15
(1,1392)	1:B:206:LEU:HD12	1:A:167:LYS:HD2	1	0.15
(1,1392)	1:B:206:LEU:HD12	1:A:167:LYS:HD3	1	0.15
(1,1392)	1:B:206:LEU:HD13	1:A:167:LYS:HD2	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1392)	1:B:206:LEU:HD13	1:A:167:LYS:HD3	1	0.15
(1,1392)	1:B:206:LEU:HD11	1:A:167:LYS:HD2	5	0.15
(1,1392)	1:B:206:LEU:HD11	1:A:167:LYS:HD3	5	0.15
(1,1392)	1:B:206:LEU:HD12	1:A:167:LYS:HD2	5	0.15
(1,1392)	1:B:206:LEU:HD12	1:A:167:LYS:HD3	5	0.15
(1,1392)	1:B:206:LEU:HD13	1:A:167:LYS:HD2	5	0.15
(1,1392)	1:B:206:LEU:HD13	1:A:167:LYS:HD3	5	0.15
(1,1274)	1:B:154:LEU:HA	1:B:155:THR:HB	8	0.15
(1,1210)	1:A:213:VAL:HA	1:A:151:GLN:HB2	1	0.15
(1,1210)	1:A:213:VAL:HA	1:A:151:GLN:HB3	1	0.15
(1,1097)	1:A:177:ALA:H	1:A:182:LYS:HD2	9	0.15
(1,1097)	1:A:177:ALA:H	1:A:182:LYS:HD3	9	0.15
(3,995)	1:A:197:ASN:HA	1:A:198:VAL:H	9	0.14
(3,995)	1:A:197:ASN:HA	1:B:198:VAL:H	9	0.14
(3,995)	1:B:197:ASN:HA	1:A:198:VAL:H	9	0.14
(3,995)	1:B:197:ASN:HA	1:B:198:VAL:H	9	0.14
(3,995)	1:A:197:ASN:HA	1:A:198:VAL:H	10	0.14
(3,995)	1:A:197:ASN:HA	1:B:198:VAL:H	10	0.14
(3,995)	1:B:197:ASN:HA	1:A:198:VAL:H	10	0.14
(3,995)	1:B:197:ASN:HA	1:B:198:VAL:H	10	0.14
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG11	7	0.14
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG12	7	0.14
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG13	7	0.14
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG11	7	0.14
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG12	7	0.14
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG13	7	0.14
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG11	9	0.14
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG12	9	0.14
(3,97)	1:A:154:LEU:H	1:A:153:VAL:HG13	9	0.14
(3,954)	1:A:176:ASP:HB2	1:A:176:ASP:H	4	0.14
(3,954)	1:A:176:ASP:HB2	1:B:176:ASP:H	4	0.14
(3,954)	1:B:176:ASP:HB2	1:A:176:ASP:H	4	0.14
(3,954)	1:B:176:ASP:HB2	1:B:176:ASP:H	4	0.14
(3,914)	1:A:162:LEU:HG	1:A:163:GLN:H	1	0.14
(3,914)	1:A:162:LEU:HG	1:A:188:SER:H	1	0.14
(3,914)	1:A:162:LEU:HG	1:B:163:GLN:H	1	0.14
(3,914)	1:A:162:LEU:HG	1:B:188:SER:H	1	0.14
(3,914)	1:A:185:ILE:HB	1:A:163:GLN:H	1	0.14
(3,914)	1:A:185:ILE:HB	1:A:188:SER:H	1	0.14
(3,914)	1:A:185:ILE:HB	1:B:163:GLN:H	1	0.14
(3,914)	1:A:185:ILE:HB	1:B:188:SER:H	1	0.14
(3,914)	1:B:162:LEU:HG	1:A:163:GLN:H	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,914)	1:B:162:LEU:HG	1:A:188:SER:H	1	0.14
(3,914)	1:B:162:LEU:HG	1:B:163:GLN:H	1	0.14
(3,914)	1:B:162:LEU:HG	1:B:188:SER:H	1	0.14
(3,914)	1:B:185:ILE:HB	1:A:163:GLN:H	1	0.14
(3,914)	1:B:185:ILE:HB	1:A:188:SER:H	1	0.14
(3,914)	1:B:185:ILE:HB	1:B:163:GLN:H	1	0.14
(3,914)	1:B:185:ILE:HB	1:B:188:SER:H	1	0.14
(3,914)	1:A:162:LEU:HG	1:A:163:GLN:H	10	0.14
(3,914)	1:A:162:LEU:HG	1:A:188:SER:H	10	0.14
(3,914)	1:A:162:LEU:HG	1:B:163:GLN:H	10	0.14
(3,914)	1:A:162:LEU:HG	1:B:188:SER:H	10	0.14
(3,914)	1:A:185:ILE:HB	1:A:163:GLN:H	10	0.14
(3,914)	1:A:185:ILE:HB	1:A:188:SER:H	10	0.14
(3,914)	1:A:185:ILE:HB	1:B:163:GLN:H	10	0.14
(3,914)	1:A:185:ILE:HB	1:B:188:SER:H	10	0.14
(3,914)	1:B:162:LEU:HG	1:A:163:GLN:H	10	0.14
(3,914)	1:B:162:LEU:HG	1:A:188:SER:H	10	0.14
(3,914)	1:B:162:LEU:HG	1:B:163:GLN:H	10	0.14
(3,914)	1:B:162:LEU:HG	1:B:188:SER:H	10	0.14
(3,914)	1:B:185:ILE:HB	1:A:163:GLN:H	10	0.14
(3,914)	1:B:185:ILE:HB	1:A:188:SER:H	10	0.14
(3,914)	1:B:185:ILE:HB	1:B:163:GLN:H	10	0.14
(3,914)	1:B:185:ILE:HB	1:B:188:SER:H	10	0.14
(3,867)	1:A:187:TYR:HB2	1:A:187:TYR:H	3	0.14
(3,867)	1:A:187:TYR:HB2	1:B:187:TYR:H	3	0.14
(3,867)	1:B:187:TYR:HB2	1:A:187:TYR:H	3	0.14
(3,867)	1:B:187:TYR:HB2	1:B:187:TYR:H	3	0.14
(3,855)	1:A:152:ASP:HB2	1:A:152:ASP:H	1	0.14
(3,855)	1:A:152:ASP:HB2	1:B:152:ASP:H	1	0.14
(3,855)	1:B:152:ASP:HB2	1:A:152:ASP:H	1	0.14
(3,855)	1:B:152:ASP:HB2	1:B:152:ASP:H	1	0.14
(3,829)	1:A:148:GLN:HB3	1:A:149:LYS:H	4	0.14
(3,829)	1:A:148:GLN:HB3	1:B:166:GLU:H	4	0.14
(3,829)	1:B:166:GLU:HG3	1:A:149:LYS:H	4	0.14
(3,829)	1:B:166:GLU:HG3	1:B:166:GLU:H	4	0.14
(3,779)	1:A:187:TYR:H	1:A:186:GLU:H	3	0.14
(3,779)	1:A:187:TYR:H	1:A:188:SER:H	3	0.14
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG21	4	0.14
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG22	4	0.14
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG23	4	0.14
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG21	4	0.14
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG22	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG23	4	0.14
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG21	4	0.14
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG22	4	0.14
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG23	4	0.14
(3,760)	1:A:198:VAL:HG21	1:B:205:VAL:HG21	4	0.14
(3,760)	1:A:198:VAL:HG21	1:B:205:VAL:HG22	4	0.14
(3,760)	1:A:198:VAL:HG21	1:B:205:VAL:HG23	4	0.14
(3,760)	1:A:198:VAL:HG22	1:B:205:VAL:HG21	4	0.14
(3,760)	1:A:198:VAL:HG22	1:B:205:VAL:HG22	4	0.14
(3,760)	1:A:198:VAL:HG22	1:B:205:VAL:HG23	4	0.14
(3,760)	1:A:198:VAL:HG23	1:B:205:VAL:HG21	4	0.14
(3,760)	1:A:198:VAL:HG23	1:B:205:VAL:HG22	4	0.14
(3,760)	1:A:198:VAL:HG23	1:B:205:VAL:HG23	4	0.14
(3,750)	1:A:207:ILE:HG21	1:B:209:LYS:HD2	4	0.14
(3,750)	1:A:207:ILE:HG21	1:B:209:LYS:HD3	4	0.14
(3,750)	1:A:207:ILE:HG22	1:B:209:LYS:HD2	4	0.14
(3,750)	1:A:207:ILE:HG22	1:B:209:LYS:HD3	4	0.14
(3,750)	1:A:207:ILE:HG23	1:B:209:LYS:HD2	4	0.14
(3,750)	1:A:207:ILE:HG23	1:B:209:LYS:HD3	4	0.14
(3,698)	1:B:196:LEU:HB2	1:B:196:LEU:HG	6	0.14
(3,698)	1:B:196:LEU:HB3	1:B:196:LEU:HG	6	0.14
(3,698)	1:B:196:LEU:HB2	1:B:196:LEU:HG	8	0.14
(3,698)	1:B:196:LEU:HB3	1:B:196:LEU:HG	8	0.14
(3,698)	1:B:196:LEU:HB2	1:B:196:LEU:HG	9	0.14
(3,698)	1:B:196:LEU:HB3	1:B:196:LEU:HG	9	0.14
(3,69)	1:B:212:GLY:H	1:B:211:ASP:H	7	0.14
(3,69)	1:B:212:GLY:H	1:B:211:ASP:H	9	0.14
(3,68)	1:A:212:GLY:H	1:A:211:ASP:H	3	0.14
(3,68)	1:A:212:GLY:H	1:A:211:ASP:H	7	0.14
(3,68)	1:A:212:GLY:H	1:A:211:ASP:H	8	0.14
(3,668)	1:B:181:SER:HA	1:B:175:ALA:HB1	6	0.14
(3,668)	1:B:181:SER:HA	1:B:175:ALA:HB2	6	0.14
(3,668)	1:B:181:SER:HA	1:B:175:ALA:HB3	6	0.14
(3,667)	1:A:181:SER:HA	1:A:175:ALA:HB1	9	0.14
(3,667)	1:A:181:SER:HA	1:A:175:ALA:HB2	9	0.14
(3,667)	1:A:181:SER:HA	1:A:175:ALA:HB3	9	0.14
(3,652)	1:B:175:ALA:HA	1:B:180:LEU:HB2	6	0.14
(3,614)	1:B:159:CYS:HB2	1:B:159:CYS:HA	6	0.14
(3,614)	1:B:159:CYS:HB3	1:B:159:CYS:HA	6	0.14
(3,613)	1:A:159:CYS:HB2	1:A:159:CYS:HA	2	0.14
(3,613)	1:A:159:CYS:HB3	1:A:159:CYS:HA	2	0.14
(3,613)	1:A:159:CYS:HB2	1:A:159:CYS:HA	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,613)	1:A:159:CYS:HB3	1:A:159:CYS:HA	8	0.14
(3,586)	1:B:213:VAL:HG21	1:B:213:VAL:HA	1	0.14
(3,586)	1:B:213:VAL:HG22	1:B:213:VAL:HA	1	0.14
(3,586)	1:B:213:VAL:HG23	1:B:213:VAL:HA	1	0.14
(3,585)	1:A:213:VAL:HG21	1:A:213:VAL:HA	2	0.14
(3,585)	1:A:213:VAL:HG22	1:A:213:VAL:HA	2	0.14
(3,585)	1:A:213:VAL:HG23	1:A:213:VAL:HA	2	0.14
(3,585)	1:A:213:VAL:HG21	1:A:213:VAL:HA	3	0.14
(3,585)	1:A:213:VAL:HG22	1:A:213:VAL:HA	3	0.14
(3,585)	1:A:213:VAL:HG23	1:A:213:VAL:HA	3	0.14
(3,585)	1:A:213:VAL:HG21	1:A:213:VAL:HA	4	0.14
(3,585)	1:A:213:VAL:HG22	1:A:213:VAL:HA	4	0.14
(3,585)	1:A:213:VAL:HG23	1:A:213:VAL:HA	4	0.14
(3,569)	1:A:178:LEU:HD11	1:A:157:ARG:HD2	7	0.14
(3,569)	1:A:178:LEU:HD11	1:A:157:ARG:HD3	7	0.14
(3,569)	1:A:178:LEU:HD12	1:A:157:ARG:HD2	7	0.14
(3,569)	1:A:178:LEU:HD12	1:A:157:ARG:HD3	7	0.14
(3,569)	1:A:178:LEU:HD13	1:A:157:ARG:HD2	7	0.14
(3,569)	1:A:178:LEU:HD13	1:A:157:ARG:HD3	7	0.14
(3,568)	1:B:189:LEU:HD21	1:B:185:ILE:HB	2	0.14
(3,568)	1:B:189:LEU:HD22	1:B:185:ILE:HB	2	0.14
(3,564)	1:B:157:ARG:HG3	1:B:157:ARG:HA	3	0.14
(3,526)	1:B:193:PHE:HB2	1:B:193:PHE:HA	9	0.14
(3,526)	1:B:193:PHE:HB3	1:B:193:PHE:HA	9	0.14
(3,508)	1:B:157:ARG:HD2	1:B:157:ARG:HB2	6	0.14
(3,508)	1:B:157:ARG:HD3	1:B:157:ARG:HB2	6	0.14
(3,49)	1:B:184:SER:H	1:B:183:ARG:H	5	0.14
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG11	2	0.14
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG12	2	0.14
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG13	2	0.14
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG11	1	0.14
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG12	1	0.14
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG13	1	0.14
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG11	4	0.14
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG12	4	0.14
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG13	4	0.14
(3,48)	1:A:184:SER:H	1:A:183:ARG:H	2	0.14
(3,48)	1:A:184:SER:H	1:A:183:ARG:H	3	0.14
(3,441)	1:A:203:GLU:HG2	1:A:200:SER:H	4	0.14
(3,441)	1:A:203:GLU:HG2	1:A:200:SER:H	10	0.14
(3,420)	1:B:171:ASN:H	1:B:201:ARG:HD2	4	0.14
(3,420)	1:B:171:ASN:H	1:B:201:ARG:HD3	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,420)	1:B:171:ASN:H	1:B:201:ARG:HD2	7	0.14
(3,420)	1:B:171:ASN:H	1:B:201:ARG:HD3	7	0.14
(3,396)	1:B:166:GLU:H	1:B:166:GLU:HB3	4	0.14
(3,396)	1:B:166:GLU:H	1:B:166:GLU:HB3	9	0.14
(3,395)	1:A:166:GLU:H	1:A:166:GLU:HB3	6	0.14
(3,385)	1:A:155:THR:H	1:A:158:GLU:HB2	8	0.14
(3,373)	1:A:204:ALA:H	1:A:203:GLU:H	1	0.14
(3,373)	1:A:204:ALA:H	1:A:203:GLU:H	4	0.14
(3,373)	1:A:204:ALA:H	1:A:203:GLU:H	6	0.14
(3,373)	1:A:204:ALA:H	1:A:203:GLU:H	9	0.14
(3,373)	1:A:204:ALA:H	1:A:203:GLU:H	10	0.14
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD11	3	0.14
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD12	3	0.14
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD13	3	0.14
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD11	10	0.14
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD12	10	0.14
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD13	10	0.14
(3,354)	1:B:182:LYS:H	1:B:182:LYS:HE3	6	0.14
(3,354)	1:B:182:LYS:H	1:B:182:LYS:HE3	10	0.14
(3,300)	1:A:191:SER:H	1:A:190:THR:HG21	2	0.14
(3,300)	1:A:191:SER:H	1:A:190:THR:HG22	2	0.14
(3,300)	1:A:191:SER:H	1:A:190:THR:HG23	2	0.14
(3,300)	1:A:191:SER:H	1:A:190:THR:HG21	6	0.14
(3,300)	1:A:191:SER:H	1:A:190:THR:HG22	6	0.14
(3,300)	1:A:191:SER:H	1:A:190:THR:HG23	6	0.14
(3,221)	1:B:158:GLU:H	1:B:157:ARG:HB3	2	0.14
(3,221)	1:B:158:GLU:H	1:B:157:ARG:HB3	5	0.14
(3,169)	1:B:187:TYR:H	1:B:186:GLU:HG2	4	0.14
(3,1490)	1:A:157:ARG:HB2	1:A:157:ARG:HD2	1	0.14
(3,1490)	1:A:157:ARG:HB2	1:B:157:ARG:HD2	1	0.14
(3,1490)	1:B:157:ARG:HB2	1:A:157:ARG:HD2	1	0.14
(3,1490)	1:B:157:ARG:HB2	1:B:157:ARG:HD2	1	0.14
(3,1390)	1:A:158:GLU:HG3	1:A:161:ILE:HA	4	0.14
(3,1390)	1:A:158:GLU:HG3	1:A:165:VAL:HA	4	0.14
(3,1390)	1:A:158:GLU:HG3	1:A:192:ILE:HA	4	0.14
(3,1390)	1:A:158:GLU:HG3	1:B:161:ILE:HA	4	0.14
(3,1390)	1:A:158:GLU:HG3	1:B:165:VAL:HA	4	0.14
(3,1390)	1:A:158:GLU:HG3	1:B:192:ILE:HA	4	0.14
(3,1390)	1:A:164:GLU:HB3	1:A:161:ILE:HA	4	0.14
(3,1390)	1:A:164:GLU:HB3	1:A:165:VAL:HA	4	0.14
(3,1390)	1:A:164:GLU:HB3	1:A:192:ILE:HA	4	0.14
(3,1390)	1:A:164:GLU:HB3	1:B:161:ILE:HA	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1390)	1:A:164:GLU:HB3	1:B:165:VAL:HA	4	0.14
(3,1390)	1:A:164:GLU:HB3	1:B:192:ILE:HA	4	0.14
(3,1390)	1:A:174:ILE:HB	1:A:161:ILE:HA	4	0.14
(3,1390)	1:A:174:ILE:HB	1:A:165:VAL:HA	4	0.14
(3,1390)	1:A:174:ILE:HB	1:A:192:ILE:HA	4	0.14
(3,1390)	1:A:174:ILE:HB	1:B:161:ILE:HA	4	0.14
(3,1390)	1:A:174:ILE:HB	1:B:165:VAL:HA	4	0.14
(3,1390)	1:A:174:ILE:HB	1:B:192:ILE:HA	4	0.14
(3,1390)	1:A:205:VAL:HB	1:A:161:ILE:HA	4	0.14
(3,1390)	1:A:205:VAL:HB	1:A:165:VAL:HA	4	0.14
(3,1390)	1:A:205:VAL:HB	1:A:192:ILE:HA	4	0.14
(3,1390)	1:A:205:VAL:HB	1:B:161:ILE:HA	4	0.14
(3,1390)	1:A:205:VAL:HB	1:B:165:VAL:HA	4	0.14
(3,1390)	1:A:205:VAL:HB	1:B:192:ILE:HA	4	0.14
(3,1390)	1:B:164:GLU:HB3	1:A:161:ILE:HA	4	0.14
(3,1390)	1:B:164:GLU:HB3	1:A:165:VAL:HA	4	0.14
(3,1390)	1:B:164:GLU:HB3	1:A:192:ILE:HA	4	0.14
(3,1390)	1:B:164:GLU:HB3	1:B:161:ILE:HA	4	0.14
(3,1390)	1:B:164:GLU:HB3	1:B:165:VAL:HA	4	0.14
(3,1390)	1:B:164:GLU:HB3	1:B:192:ILE:HA	4	0.14
(3,1390)	1:B:174:ILE:HB	1:A:161:ILE:HA	4	0.14
(3,1390)	1:B:174:ILE:HB	1:A:165:VAL:HA	4	0.14
(3,1390)	1:B:174:ILE:HB	1:A:192:ILE:HA	4	0.14
(3,1390)	1:B:174:ILE:HB	1:B:161:ILE:HA	4	0.14
(3,1390)	1:B:174:ILE:HB	1:B:165:VAL:HA	4	0.14
(3,1390)	1:B:174:ILE:HB	1:B:192:ILE:HA	4	0.14
(3,1390)	1:B:198:VAL:HB	1:A:161:ILE:HA	4	0.14
(3,1390)	1:B:198:VAL:HB	1:A:165:VAL:HA	4	0.14
(3,1390)	1:B:198:VAL:HB	1:A:192:ILE:HA	4	0.14
(3,1390)	1:B:198:VAL:HB	1:B:161:ILE:HA	4	0.14
(3,1390)	1:B:198:VAL:HB	1:B:165:VAL:HA	4	0.14
(3,1390)	1:B:198:VAL:HB	1:B:192:ILE:HA	4	0.14
(3,1390)	1:B:205:VAL:HB	1:A:161:ILE:HA	4	0.14
(3,1390)	1:B:205:VAL:HB	1:A:165:VAL:HA	4	0.14
(3,1390)	1:B:205:VAL:HB	1:A:192:ILE:HA	4	0.14
(3,1390)	1:B:205:VAL:HB	1:B:161:ILE:HA	4	0.14
(3,1390)	1:B:205:VAL:HB	1:B:165:VAL:HA	4	0.14
(3,1390)	1:B:205:VAL:HB	1:B:192:ILE:HA	4	0.14
(3,1390)	1:A:158:GLU:HG3	1:A:161:ILE:HA	10	0.14
(3,1390)	1:A:158:GLU:HG3	1:A:165:VAL:HA	10	0.14
(3,1390)	1:A:158:GLU:HG3	1:A:192:ILE:HA	10	0.14
(3,1390)	1:A:158:GLU:HG3	1:B:161:ILE:HA	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1390)	1:A:158:GLU:HG3	1:B:165:VAL:HA	10	0.14
(3,1390)	1:A:158:GLU:HG3	1:B:192:ILE:HA	10	0.14
(3,1390)	1:A:164:GLU:HB3	1:A:161:ILE:HA	10	0.14
(3,1390)	1:A:164:GLU:HB3	1:A:165:VAL:HA	10	0.14
(3,1390)	1:A:164:GLU:HB3	1:A:192:ILE:HA	10	0.14
(3,1390)	1:A:164:GLU:HB3	1:B:161:ILE:HA	10	0.14
(3,1390)	1:A:164:GLU:HB3	1:B:165:VAL:HA	10	0.14
(3,1390)	1:A:164:GLU:HB3	1:B:192:ILE:HA	10	0.14
(3,1390)	1:A:174:ILE:HB	1:A:161:ILE:HA	10	0.14
(3,1390)	1:A:174:ILE:HB	1:A:165:VAL:HA	10	0.14
(3,1390)	1:A:174:ILE:HB	1:A:192:ILE:HA	10	0.14
(3,1390)	1:A:174:ILE:HB	1:B:161:ILE:HA	10	0.14
(3,1390)	1:A:174:ILE:HB	1:B:165:VAL:HA	10	0.14
(3,1390)	1:A:174:ILE:HB	1:B:192:ILE:HA	10	0.14
(3,1390)	1:A:205:VAL:HB	1:A:161:ILE:HA	10	0.14
(3,1390)	1:A:205:VAL:HB	1:A:165:VAL:HA	10	0.14
(3,1390)	1:A:205:VAL:HB	1:A:192:ILE:HA	10	0.14
(3,1390)	1:A:205:VAL:HB	1:B:161:ILE:HA	10	0.14
(3,1390)	1:A:205:VAL:HB	1:B:165:VAL:HA	10	0.14
(3,1390)	1:A:205:VAL:HB	1:B:192:ILE:HA	10	0.14
(3,1390)	1:B:164:GLU:HB3	1:A:161:ILE:HA	10	0.14
(3,1390)	1:B:164:GLU:HB3	1:A:165:VAL:HA	10	0.14
(3,1390)	1:B:164:GLU:HB3	1:A:192:ILE:HA	10	0.14
(3,1390)	1:B:164:GLU:HB3	1:B:161:ILE:HA	10	0.14
(3,1390)	1:B:164:GLU:HB3	1:B:165:VAL:HA	10	0.14
(3,1390)	1:B:164:GLU:HB3	1:B:192:ILE:HA	10	0.14
(3,1390)	1:B:174:ILE:HB	1:A:161:ILE:HA	10	0.14
(3,1390)	1:B:174:ILE:HB	1:A:165:VAL:HA	10	0.14
(3,1390)	1:B:174:ILE:HB	1:A:192:ILE:HA	10	0.14
(3,1390)	1:B:174:ILE:HB	1:B:161:ILE:HA	10	0.14
(3,1390)	1:B:174:ILE:HB	1:B:165:VAL:HA	10	0.14
(3,1390)	1:B:174:ILE:HB	1:B:192:ILE:HA	10	0.14
(3,1390)	1:B:198:VAL:HB	1:A:161:ILE:HA	10	0.14
(3,1390)	1:B:198:VAL:HB	1:A:165:VAL:HA	10	0.14
(3,1390)	1:B:198:VAL:HB	1:A:192:ILE:HA	10	0.14
(3,1390)	1:B:198:VAL:HB	1:B:161:ILE:HA	10	0.14
(3,1390)	1:B:198:VAL:HB	1:B:165:VAL:HA	10	0.14
(3,1390)	1:B:198:VAL:HB	1:B:192:ILE:HA	10	0.14
(3,1390)	1:B:205:VAL:HB	1:A:161:ILE:HA	10	0.14
(3,1390)	1:B:205:VAL:HB	1:A:165:VAL:HA	10	0.14
(3,1390)	1:B:205:VAL:HB	1:A:192:ILE:HA	10	0.14
(3,1390)	1:B:205:VAL:HB	1:B:161:ILE:HA	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1390)	1:B:205:VAL:HB	1:B:165:VAL:HA	10	0.14
(3,1390)	1:B:205:VAL:HB	1:B:192:ILE:HA	10	0.14
(3,1389)	1:A:165:VAL:HB	1:A:205:VAL:HA	4	0.14
(3,1389)	1:A:165:VAL:HB	1:B:205:VAL:HA	4	0.14
(3,1389)	1:B:165:VAL:HB	1:A:205:VAL:HA	4	0.14
(3,1389)	1:B:165:VAL:HB	1:B:205:VAL:HA	4	0.14
(3,1389)	1:A:165:VAL:HB	1:A:205:VAL:HA	6	0.14
(3,1389)	1:A:165:VAL:HB	1:B:205:VAL:HA	6	0.14
(3,1389)	1:B:165:VAL:HB	1:A:205:VAL:HA	6	0.14
(3,1389)	1:B:165:VAL:HB	1:B:205:VAL:HA	6	0.14
(3,1364)	1:A:166:GLU:HB3	1:A:205:VAL:H	1	0.14
(3,1364)	1:A:166:GLU:HB3	1:B:205:VAL:H	1	0.14
(3,1364)	1:A:201:ARG:HB3	1:A:205:VAL:H	1	0.14
(3,1364)	1:A:201:ARG:HB3	1:B:205:VAL:H	1	0.14
(3,1364)	1:A:206:LEU:HG	1:A:205:VAL:H	1	0.14
(3,1364)	1:A:206:LEU:HG	1:B:205:VAL:H	1	0.14
(3,1364)	1:B:166:GLU:HB3	1:A:205:VAL:H	1	0.14
(3,1364)	1:B:166:GLU:HB3	1:B:205:VAL:H	1	0.14
(3,1364)	1:B:189:LEU:HG	1:A:205:VAL:H	1	0.14
(3,1364)	1:B:189:LEU:HG	1:B:205:VAL:H	1	0.14
(3,1364)	1:B:201:ARG:HB3	1:A:205:VAL:H	1	0.14
(3,1364)	1:B:201:ARG:HB3	1:B:205:VAL:H	1	0.14
(3,1364)	1:B:206:LEU:HG	1:A:205:VAL:H	1	0.14
(3,1364)	1:B:206:LEU:HG	1:B:205:VAL:H	1	0.14
(3,1364)	1:A:166:GLU:HB3	1:A:205:VAL:H	7	0.14
(3,1364)	1:A:166:GLU:HB3	1:B:205:VAL:H	7	0.14
(3,1364)	1:A:201:ARG:HB3	1:A:205:VAL:H	7	0.14
(3,1364)	1:A:201:ARG:HB3	1:B:205:VAL:H	7	0.14
(3,1364)	1:A:206:LEU:HG	1:A:205:VAL:H	7	0.14
(3,1364)	1:A:206:LEU:HG	1:B:205:VAL:H	7	0.14
(3,1364)	1:B:166:GLU:HB3	1:A:205:VAL:H	7	0.14
(3,1364)	1:B:166:GLU:HB3	1:B:205:VAL:H	7	0.14
(3,1364)	1:B:189:LEU:HG	1:A:205:VAL:H	7	0.14
(3,1364)	1:B:189:LEU:HG	1:B:205:VAL:H	7	0.14
(3,1364)	1:B:201:ARG:HB3	1:A:205:VAL:H	7	0.14
(3,1364)	1:B:201:ARG:HB3	1:B:205:VAL:H	7	0.14
(3,1364)	1:B:206:LEU:HG	1:A:205:VAL:H	7	0.14
(3,1364)	1:B:206:LEU:HG	1:B:205:VAL:H	7	0.14
(3,1364)	1:A:166:GLU:HB3	1:A:205:VAL:H	10	0.14
(3,1364)	1:A:166:GLU:HB3	1:B:205:VAL:H	10	0.14
(3,1364)	1:A:201:ARG:HB3	1:A:205:VAL:H	10	0.14
(3,1364)	1:A:201:ARG:HB3	1:B:205:VAL:H	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1364)	1:A:206:LEU:HG	1:A:205:VAL:H	10	0.14
(3,1364)	1:A:206:LEU:HG	1:B:205:VAL:H	10	0.14
(3,1364)	1:B:166:GLU:HB3	1:A:205:VAL:H	10	0.14
(3,1364)	1:B:166:GLU:HB3	1:B:205:VAL:H	10	0.14
(3,1364)	1:B:189:LEU:HG	1:A:205:VAL:H	10	0.14
(3,1364)	1:B:189:LEU:HG	1:B:205:VAL:H	10	0.14
(3,1364)	1:B:201:ARG:HB3	1:A:205:VAL:H	10	0.14
(3,1364)	1:B:201:ARG:HB3	1:B:205:VAL:H	10	0.14
(3,1364)	1:B:206:LEU:HG	1:A:205:VAL:H	10	0.14
(3,1364)	1:B:206:LEU:HG	1:B:205:VAL:H	10	0.14
(3,1330)	1:A:170:THR:HG1	1:A:202:THR:H	3	0.14
(3,1330)	1:A:170:THR:HG1	1:B:202:THR:H	3	0.14
(3,1330)	1:B:170:THR:HG1	1:A:202:THR:H	3	0.14
(3,1330)	1:B:170:THR:HG1	1:B:202:THR:H	3	0.14
(3,1321)	1:A:190:THR:HB	1:A:191:SER:H	2	0.14
(3,1321)	1:A:190:THR:HB	1:B:191:SER:H	2	0.14
(3,1321)	1:B:190:THR:HB	1:A:191:SER:H	2	0.14
(3,1321)	1:B:190:THR:HB	1:B:191:SER:H	2	0.14
(3,1321)	1:A:190:THR:HB	1:A:191:SER:H	8	0.14
(3,1321)	1:A:190:THR:HB	1:B:191:SER:H	8	0.14
(3,1321)	1:B:190:THR:HB	1:A:191:SER:H	8	0.14
(3,1321)	1:B:190:THR:HB	1:B:191:SER:H	8	0.14
(3,1302)	1:A:172:GLN:HG2	1:A:173:GLU:H	2	0.14
(3,1302)	1:A:172:GLN:HG2	1:B:173:GLU:H	2	0.14
(3,1302)	1:A:173:GLU:HG3	1:A:173:GLU:H	2	0.14
(3,1302)	1:A:173:GLU:HG3	1:B:173:GLU:H	2	0.14
(3,1302)	1:B:173:GLU:HG3	1:A:173:GLU:H	2	0.14
(3,1302)	1:B:173:GLU:HG3	1:B:173:GLU:H	2	0.14
(3,1217)	1:A:172:GLN:HG3	1:A:182:LYS:H	3	0.14
(3,1217)	1:A:172:GLN:HG3	1:B:182:LYS:H	3	0.14
(3,1217)	1:B:172:GLN:HG3	1:A:182:LYS:H	3	0.14
(3,1217)	1:B:172:GLN:HG3	1:B:182:LYS:H	3	0.14
(3,1199)	1:A:149:LYS:HA	1:A:149:LYS:H	8	0.14
(3,1199)	1:A:149:LYS:HA	1:A:166:GLU:H	8	0.14
(3,1199)	1:A:149:LYS:HA	1:B:149:LYS:H	8	0.14
(3,1199)	1:A:149:LYS:HA	1:B:166:GLU:H	8	0.14
(3,1199)	1:A:205:VAL:HA	1:A:149:LYS:H	8	0.14
(3,1199)	1:A:205:VAL:HA	1:A:166:GLU:H	8	0.14
(3,1199)	1:A:205:VAL:HA	1:B:149:LYS:H	8	0.14
(3,1199)	1:A:205:VAL:HA	1:B:166:GLU:H	8	0.14
(3,1199)	1:B:149:LYS:HA	1:A:149:LYS:H	8	0.14
(3,1199)	1:B:149:LYS:HA	1:A:166:GLU:H	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1199)	1:B:149:LYS:HA	1:B:149:LYS:H	8	0.14
(3,1199)	1:B:149:LYS:HA	1:B:166:GLU:H	8	0.14
(3,1199)	1:B:205:VAL:HA	1:A:149:LYS:H	8	0.14
(3,1199)	1:B:205:VAL:HA	1:A:166:GLU:H	8	0.14
(3,1199)	1:B:205:VAL:HA	1:B:149:LYS:H	8	0.14
(3,1199)	1:B:205:VAL:HA	1:B:166:GLU:H	8	0.14
(3,1199)	1:A:149:LYS:HA	1:A:149:LYS:H	10	0.14
(3,1199)	1:A:149:LYS:HA	1:A:166:GLU:H	10	0.14
(3,1199)	1:A:149:LYS:HA	1:B:149:LYS:H	10	0.14
(3,1199)	1:A:149:LYS:HA	1:B:166:GLU:H	10	0.14
(3,1199)	1:A:205:VAL:HA	1:A:149:LYS:H	10	0.14
(3,1199)	1:A:205:VAL:HA	1:A:166:GLU:H	10	0.14
(3,1199)	1:A:205:VAL:HA	1:B:149:LYS:H	10	0.14
(3,1199)	1:A:205:VAL:HA	1:B:166:GLU:H	10	0.14
(3,1199)	1:B:149:LYS:HA	1:A:149:LYS:H	10	0.14
(3,1199)	1:B:149:LYS:HA	1:A:166:GLU:H	10	0.14
(3,1199)	1:B:149:LYS:HA	1:B:149:LYS:H	10	0.14
(3,1199)	1:B:149:LYS:HA	1:B:166:GLU:H	10	0.14
(3,1199)	1:B:205:VAL:HA	1:A:149:LYS:H	10	0.14
(3,1199)	1:B:205:VAL:HA	1:A:166:GLU:H	10	0.14
(3,1199)	1:B:205:VAL:HA	1:B:149:LYS:H	10	0.14
(3,1199)	1:B:205:VAL:HA	1:B:166:GLU:H	10	0.14
(3,1145)	1:A:207:ILE:HG13	1:A:207:ILE:H	3	0.14
(3,1145)	1:A:207:ILE:HG13	1:B:207:ILE:H	3	0.14
(3,1145)	1:B:207:ILE:HG13	1:A:207:ILE:H	3	0.14
(3,1145)	1:B:207:ILE:HG13	1:B:207:ILE:H	3	0.14
(3,1103)	1:A:195:LYS:HE2	1:A:193:PHE:H	3	0.14
(3,1103)	1:A:195:LYS:HE2	1:B:193:PHE:H	3	0.14
(3,1103)	1:B:195:LYS:HE2	1:A:193:PHE:H	3	0.14
(3,1103)	1:B:195:LYS:HE2	1:B:193:PHE:H	3	0.14
(3,1102)	1:A:174:ILE:H	1:A:172:GLN:H	8	0.14
(3,1102)	1:A:174:ILE:H	1:B:172:GLN:H	8	0.14
(3,1102)	1:B:174:ILE:H	1:A:172:GLN:H	8	0.14
(3,1102)	1:B:174:ILE:H	1:B:172:GLN:H	8	0.14
(3,1102)	1:A:174:ILE:H	1:A:172:GLN:H	9	0.14
(3,1102)	1:A:174:ILE:H	1:B:172:GLN:H	9	0.14
(3,1102)	1:B:174:ILE:H	1:A:172:GLN:H	9	0.14
(3,1102)	1:B:174:ILE:H	1:B:172:GLN:H	9	0.14
(3,1065)	1:A:212:GLY:HA3	1:A:212:GLY:H	1	0.14
(3,1065)	1:A:212:GLY:HA3	1:B:212:GLY:H	1	0.14
(3,1065)	1:B:212:GLY:HA3	1:A:212:GLY:H	1	0.14
(3,1065)	1:B:212:GLY:HA3	1:B:212:GLY:H	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1065)	1:A:212:GLY:HA3	1:A:212:GLY:H	2	0.14
(3,1065)	1:A:212:GLY:HA3	1:B:212:GLY:H	2	0.14
(3,1065)	1:B:212:GLY:HA3	1:A:212:GLY:H	2	0.14
(3,1065)	1:B:212:GLY:HA3	1:B:212:GLY:H	2	0.14
(2,42)	1:A:170:THR:O	1:A:174:ILE:H	3	0.14
(2,42)	1:A:170:THR:O	1:A:174:ILE:H	5	0.14
(2,42)	1:A:170:THR:O	1:A:174:ILE:H	6	0.14
(2,42)	1:A:170:THR:O	1:A:174:ILE:H	10	0.14
(2,32)	1:B:162:LEU:O	1:B:166:GLU:H	7	0.14
(2,32)	1:B:162:LEU:O	1:B:166:GLU:H	8	0.14
(2,32)	1:B:162:LEU:O	1:B:166:GLU:H	10	0.14
(2,30)	1:A:162:LEU:O	1:A:166:GLU:H	1	0.14
(2,30)	1:A:162:LEU:O	1:A:166:GLU:H	7	0.14
(2,24)	1:B:160:LEU:O	1:B:164:GLU:H	3	0.14
(2,24)	1:B:160:LEU:O	1:B:164:GLU:H	9	0.14
(2,22)	1:A:160:LEU:O	1:A:164:GLU:H	1	0.14
(2,22)	1:A:160:LEU:O	1:A:164:GLU:H	7	0.14
(1,913)	1:B:191:SER:H	1:B:195:LYS:HB2	3	0.14
(1,913)	1:B:191:SER:H	1:B:195:LYS:HB3	3	0.14
(1,899)	1:B:198:VAL:H	1:B:207:ILE:HG21	9	0.14
(1,899)	1:B:198:VAL:H	1:B:207:ILE:HG22	9	0.14
(1,899)	1:B:198:VAL:H	1:B:207:ILE:HG23	9	0.14
(1,898)	1:A:198:VAL:H	1:A:207:ILE:HG21	8	0.14
(1,898)	1:A:198:VAL:H	1:A:207:ILE:HG22	8	0.14
(1,898)	1:A:198:VAL:H	1:A:207:ILE:HG23	8	0.14
(1,898)	1:A:198:VAL:H	1:A:207:ILE:HG21	10	0.14
(1,898)	1:A:198:VAL:H	1:A:207:ILE:HG22	10	0.14
(1,898)	1:A:198:VAL:H	1:A:207:ILE:HG23	10	0.14
(1,662)	1:A:201:ARG:H	1:A:193:PHE:H	3	0.14
(1,662)	1:A:201:ARG:H	1:A:193:PHE:H	8	0.14
(1,461)	1:B:146:SER:H	1:B:149:LYS:HA	6	0.14
(1,243)	1:B:152:ASP:H	1:B:154:LEU:HA	1	0.14
(1,242)	1:A:152:ASP:H	1:A:154:LEU:HA	5	0.14
(1,1886)	1:B:154:LEU:HB2	1:B:157:ARG:HA	1	0.14
(1,1886)	1:B:154:LEU:HB2	1:B:162:LEU:HA	1	0.14
(1,1886)	1:B:154:LEU:HB3	1:B:157:ARG:HA	1	0.14
(1,1886)	1:B:154:LEU:HB3	1:B:162:LEU:HA	1	0.14
(1,1794)	1:A:152:ASP:HA	1:A:155:THR:H	5	0.14
(1,1794)	1:A:152:ASP:HA	1:B:155:THR:H	5	0.14
(1,1794)	1:B:152:ASP:HA	1:A:155:THR:H	5	0.14
(1,1794)	1:B:152:ASP:HA	1:B:155:THR:H	5	0.14
(1,1763)	1:A:211:ASP:HA	1:A:146:SER:H	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1763)	1:A:211:ASP:HA	1:A:209:LYS:H	2	0.14
(1,1763)	1:A:211:ASP:HA	1:B:146:SER:H	2	0.14
(1,1763)	1:A:211:ASP:HA	1:B:209:LYS:H	2	0.14
(1,1763)	1:B:211:ASP:HA	1:A:146:SER:H	2	0.14
(1,1763)	1:B:211:ASP:HA	1:A:209:LYS:H	2	0.14
(1,1763)	1:B:211:ASP:HA	1:B:146:SER:H	2	0.14
(1,1763)	1:B:211:ASP:HA	1:B:209:LYS:H	2	0.14
(1,163)	1:B:177:ALA:H	1:B:179:HIS:HB2	2	0.14
(1,163)	1:B:177:ALA:H	1:B:179:HIS:HB3	2	0.14
(1,1474)	1:B:162:LEU:HD21	1:B:165:VAL:HB	7	0.14
(1,1474)	1:B:162:LEU:HD22	1:B:165:VAL:HB	7	0.14
(1,1474)	1:B:162:LEU:HD23	1:B:165:VAL:HB	7	0.14
(1,1474)	1:B:162:LEU:HD21	1:B:165:VAL:HB	8	0.14
(1,1474)	1:B:162:LEU:HD22	1:B:165:VAL:HB	8	0.14
(1,1474)	1:B:162:LEU:HD23	1:B:165:VAL:HB	8	0.14
(1,1473)	1:A:162:LEU:HD21	1:A:165:VAL:HB	8	0.14
(1,1473)	1:A:162:LEU:HD22	1:A:165:VAL:HB	8	0.14
(1,1473)	1:A:162:LEU:HD23	1:A:165:VAL:HB	8	0.14
(1,1473)	1:A:162:LEU:HD21	1:A:165:VAL:HB	9	0.14
(1,1473)	1:A:162:LEU:HD22	1:A:165:VAL:HB	9	0.14
(1,1473)	1:A:162:LEU:HD23	1:A:165:VAL:HB	9	0.14
(1,1296)	1:B:158:GLU:HG2	1:B:157:ARG:HA	8	0.14
(1,1296)	1:B:158:GLU:HG3	1:B:157:ARG:HA	8	0.14
(1,1287)	1:A:160:LEU:HB2	1:A:159:CYS:HB2	9	0.14
(1,1287)	1:A:160:LEU:HB3	1:A:159:CYS:HB2	9	0.14
(1,1255)	1:B:151:GLN:HA	1:B:154:LEU:HA	9	0.14
(1,1210)	1:A:213:VAL:HA	1:A:151:GLN:HB2	2	0.14
(1,1210)	1:A:213:VAL:HA	1:A:151:GLN:HB3	2	0.14
(1,1098)	1:B:177:ALA:H	1:B:182:LYS:HD2	4	0.14
(1,1098)	1:B:177:ALA:H	1:B:182:LYS:HD3	4	0.14
(1,1098)	1:B:177:ALA:H	1:B:182:LYS:HD2	7	0.14
(1,1098)	1:B:177:ALA:H	1:B:182:LYS:HD3	7	0.14
(1,1097)	1:A:177:ALA:H	1:A:182:LYS:HD2	4	0.14
(1,1097)	1:A:177:ALA:H	1:A:182:LYS:HD3	4	0.14
(3,995)	1:A:197:ASN:HA	1:A:198:VAL:H	4	0.13
(3,995)	1:A:197:ASN:HA	1:B:198:VAL:H	4	0.13
(3,995)	1:B:197:ASN:HA	1:A:198:VAL:H	4	0.13
(3,995)	1:B:197:ASN:HA	1:B:198:VAL:H	4	0.13
(3,994)	1:A:198:VAL:HG11	1:A:200:SER:H	4	0.13
(3,994)	1:A:198:VAL:HG11	1:B:200:SER:H	4	0.13
(3,994)	1:A:198:VAL:HG12	1:A:200:SER:H	4	0.13
(3,994)	1:A:198:VAL:HG12	1:B:200:SER:H	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,994)	1:A:198:VAL:HG13	1:A:200:SER:H	4	0.13
(3,994)	1:A:198:VAL:HG13	1:B:200:SER:H	4	0.13
(3,994)	1:B:198:VAL:HG11	1:A:200:SER:H	4	0.13
(3,994)	1:B:198:VAL:HG11	1:B:200:SER:H	4	0.13
(3,951)	1:A:157:ARG:HB2	1:A:159:CYS:H	6	0.13
(3,951)	1:A:157:ARG:HB2	1:B:159:CYS:H	6	0.13
(3,951)	1:A:158:GLU:HG3	1:A:159:CYS:H	6	0.13
(3,951)	1:A:158:GLU:HG3	1:B:159:CYS:H	6	0.13
(3,951)	1:B:157:ARG:HB2	1:A:159:CYS:H	6	0.13
(3,951)	1:B:157:ARG:HB2	1:B:159:CYS:H	6	0.13
(3,951)	1:B:158:GLU:HG3	1:A:159:CYS:H	6	0.13
(3,951)	1:B:158:GLU:HG3	1:B:159:CYS:H	6	0.13
(3,888)	1:A:151:GLN:HB2	1:A:151:GLN:H	2	0.13
(3,888)	1:A:151:GLN:HB2	1:A:186:GLU:H	2	0.13
(3,888)	1:A:151:GLN:HB2	1:B:151:GLN:H	2	0.13
(3,888)	1:A:186:GLU:HB2	1:A:151:GLN:H	2	0.13
(3,888)	1:A:186:GLU:HB2	1:A:186:GLU:H	2	0.13
(3,888)	1:A:186:GLU:HB2	1:B:151:GLN:H	2	0.13
(3,888)	1:B:151:GLN:HB2	1:A:151:GLN:H	2	0.13
(3,888)	1:B:151:GLN:HB2	1:A:186:GLU:H	2	0.13
(3,888)	1:B:151:GLN:HB2	1:B:151:GLN:H	2	0.13
(3,867)	1:A:187:TYR:HB2	1:A:187:TYR:H	9	0.13
(3,867)	1:A:187:TYR:HB2	1:B:187:TYR:H	9	0.13
(3,867)	1:B:187:TYR:HB2	1:A:187:TYR:H	9	0.13
(3,867)	1:B:187:TYR:HB2	1:B:187:TYR:H	9	0.13
(3,855)	1:A:152:ASP:HB2	1:A:152:ASP:H	4	0.13
(3,855)	1:A:152:ASP:HB2	1:B:152:ASP:H	4	0.13
(3,855)	1:B:152:ASP:HB2	1:A:152:ASP:H	4	0.13
(3,855)	1:B:152:ASP:HB2	1:B:152:ASP:H	4	0.13
(3,855)	1:A:152:ASP:HB2	1:A:152:ASP:H	6	0.13
(3,855)	1:A:152:ASP:HB2	1:B:152:ASP:H	6	0.13
(3,855)	1:B:152:ASP:HB2	1:A:152:ASP:H	6	0.13
(3,855)	1:B:152:ASP:HB2	1:B:152:ASP:H	6	0.13
(3,855)	1:A:152:ASP:HB2	1:A:152:ASP:H	9	0.13
(3,855)	1:A:152:ASP:HB2	1:B:152:ASP:H	9	0.13
(3,855)	1:B:152:ASP:HB2	1:A:152:ASP:H	9	0.13
(3,855)	1:B:152:ASP:HB2	1:B:152:ASP:H	9	0.13
(3,780)	1:B:187:TYR:H	1:B:186:GLU:H	4	0.13
(3,780)	1:B:187:TYR:H	1:B:188:SER:H	4	0.13
(3,780)	1:B:187:TYR:H	1:B:186:GLU:H	8	0.13
(3,780)	1:B:187:TYR:H	1:B:188:SER:H	8	0.13
(3,780)	1:B:187:TYR:H	1:B:186:GLU:H	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,780)	1:B:187:TYR:H	1:B:188:SER:H	9	0.13
(3,780)	1:B:187:TYR:H	1:B:186:GLU:H	10	0.13
(3,780)	1:B:187:TYR:H	1:B:188:SER:H	10	0.13
(3,779)	1:A:187:TYR:H	1:A:186:GLU:H	2	0.13
(3,779)	1:A:187:TYR:H	1:A:188:SER:H	2	0.13
(3,779)	1:A:187:TYR:H	1:A:186:GLU:H	8	0.13
(3,779)	1:A:187:TYR:H	1:A:188:SER:H	8	0.13
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG21	2	0.13
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG22	2	0.13
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG23	2	0.13
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG21	2	0.13
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG22	2	0.13
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG23	2	0.13
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG21	2	0.13
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG22	2	0.13
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG23	2	0.13
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG21	6	0.13
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG22	6	0.13
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG23	6	0.13
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG21	6	0.13
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG22	6	0.13
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG23	6	0.13
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG21	6	0.13
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG22	6	0.13
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG23	6	0.13
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG21	10	0.13
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG22	10	0.13
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG23	10	0.13
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG21	10	0.13
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG22	10	0.13
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG23	10	0.13
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG21	10	0.13
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG22	10	0.13
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG23	10	0.13
(3,760)	1:A:198:VAL:HG21	1:B:205:VAL:HG21	3	0.13
(3,760)	1:A:198:VAL:HG21	1:B:205:VAL:HG22	3	0.13
(3,760)	1:A:198:VAL:HG21	1:B:205:VAL:HG23	3	0.13
(3,760)	1:A:198:VAL:HG22	1:B:205:VAL:HG21	3	0.13
(3,760)	1:A:198:VAL:HG22	1:B:205:VAL:HG22	3	0.13
(3,760)	1:A:198:VAL:HG22	1:B:205:VAL:HG23	3	0.13
(3,760)	1:A:198:VAL:HG23	1:B:205:VAL:HG21	3	0.13
(3,760)	1:A:198:VAL:HG23	1:B:205:VAL:HG22	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,760)	1:A:198:VAL:HG23	1:B:205:VAL:HG23	3	0.13
(3,698)	1:B:196:LEU:HB2	1:B:196:LEU:HG	1	0.13
(3,698)	1:B:196:LEU:HB3	1:B:196:LEU:HG	1	0.13
(3,698)	1:B:196:LEU:HB2	1:B:196:LEU:HG	3	0.13
(3,698)	1:B:196:LEU:HB3	1:B:196:LEU:HG	3	0.13
(3,698)	1:B:196:LEU:HB2	1:B:196:LEU:HG	4	0.13
(3,698)	1:B:196:LEU:HB3	1:B:196:LEU:HG	4	0.13
(3,698)	1:B:196:LEU:HB2	1:B:196:LEU:HG	10	0.13
(3,698)	1:B:196:LEU:HB3	1:B:196:LEU:HG	10	0.13
(3,697)	1:A:196:LEU:HB2	1:A:196:LEU:HG	3	0.13
(3,697)	1:A:196:LEU:HB3	1:A:196:LEU:HG	3	0.13
(3,697)	1:A:196:LEU:HB2	1:A:196:LEU:HG	4	0.13
(3,697)	1:A:196:LEU:HB3	1:A:196:LEU:HG	4	0.13
(3,697)	1:A:196:LEU:HB2	1:A:196:LEU:HG	6	0.13
(3,697)	1:A:196:LEU:HB3	1:A:196:LEU:HG	6	0.13
(3,697)	1:A:196:LEU:HB2	1:A:196:LEU:HG	9	0.13
(3,697)	1:A:196:LEU:HB3	1:A:196:LEU:HG	9	0.13
(3,69)	1:B:212:GLY:H	1:B:211:ASP:H	2	0.13
(3,69)	1:B:212:GLY:H	1:B:211:ASP:H	6	0.13
(3,68)	1:A:212:GLY:H	1:A:211:ASP:H	2	0.13
(3,668)	1:B:181:SER:HA	1:B:175:ALA:HB1	9	0.13
(3,668)	1:B:181:SER:HA	1:B:175:ALA:HB2	9	0.13
(3,668)	1:B:181:SER:HA	1:B:175:ALA:HB3	9	0.13
(3,667)	1:A:181:SER:HA	1:A:175:ALA:HB1	6	0.13
(3,667)	1:A:181:SER:HA	1:A:175:ALA:HB2	6	0.13
(3,667)	1:A:181:SER:HA	1:A:175:ALA:HB3	6	0.13
(3,652)	1:B:175:ALA:HA	1:B:180:LEU:HB2	3	0.13
(3,652)	1:B:175:ALA:HA	1:B:180:LEU:HB2	8	0.13
(3,652)	1:B:175:ALA:HA	1:B:180:LEU:HB2	9	0.13
(3,649)	1:B:174:ILE:HA	1:B:164:GLU:HG3	10	0.13
(3,639)	1:B:166:GLU:HG2	1:B:162:LEU:HG	8	0.13
(3,639)	1:B:166:GLU:HG2	1:B:162:LEU:HG	9	0.13
(3,630)	1:B:164:GLU:HG2	1:B:163:GLN:HG2	1	0.13
(3,630)	1:B:164:GLU:HG2	1:B:163:GLN:HG3	1	0.13
(3,614)	1:B:159:CYS:HB2	1:B:159:CYS:HA	10	0.13
(3,614)	1:B:159:CYS:HB3	1:B:159:CYS:HA	10	0.13
(3,613)	1:A:159:CYS:HB2	1:A:159:CYS:HA	7	0.13
(3,613)	1:A:159:CYS:HB3	1:A:159:CYS:HA	7	0.13
(3,613)	1:A:159:CYS:HB2	1:A:159:CYS:HA	10	0.13
(3,613)	1:A:159:CYS:HB3	1:A:159:CYS:HA	10	0.13
(3,586)	1:B:213:VAL:HG21	1:B:213:VAL:HA	2	0.13
(3,586)	1:B:213:VAL:HG22	1:B:213:VAL:HA	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,586)	1:B:213:VAL:HG23	1:B:213:VAL:HA	2	0.13
(3,586)	1:B:213:VAL:HG21	1:B:213:VAL:HA	4	0.13
(3,586)	1:B:213:VAL:HG22	1:B:213:VAL:HA	4	0.13
(3,586)	1:B:213:VAL:HG23	1:B:213:VAL:HA	4	0.13
(3,586)	1:B:213:VAL:HG21	1:B:213:VAL:HA	6	0.13
(3,586)	1:B:213:VAL:HG22	1:B:213:VAL:HA	6	0.13
(3,586)	1:B:213:VAL:HG23	1:B:213:VAL:HA	6	0.13
(3,586)	1:B:213:VAL:HG21	1:B:213:VAL:HA	8	0.13
(3,586)	1:B:213:VAL:HG22	1:B:213:VAL:HA	8	0.13
(3,586)	1:B:213:VAL:HG23	1:B:213:VAL:HA	8	0.13
(3,585)	1:A:213:VAL:HG21	1:A:213:VAL:HA	6	0.13
(3,585)	1:A:213:VAL:HG22	1:A:213:VAL:HA	6	0.13
(3,585)	1:A:213:VAL:HG23	1:A:213:VAL:HA	6	0.13
(3,580)	1:B:206:LEU:HD11	1:B:206:LEU:HA	5	0.13
(3,580)	1:B:206:LEU:HD12	1:B:206:LEU:HA	5	0.13
(3,569)	1:A:178:LEU:HD11	1:A:157:ARG:HD2	5	0.13
(3,569)	1:A:178:LEU:HD11	1:A:157:ARG:HD3	5	0.13
(3,569)	1:A:178:LEU:HD12	1:A:157:ARG:HD2	5	0.13
(3,569)	1:A:178:LEU:HD12	1:A:157:ARG:HD3	5	0.13
(3,569)	1:A:178:LEU:HD13	1:A:157:ARG:HD2	5	0.13
(3,569)	1:A:178:LEU:HD13	1:A:157:ARG:HD3	5	0.13
(3,569)	1:A:178:LEU:HD11	1:A:157:ARG:HD2	6	0.13
(3,569)	1:A:178:LEU:HD11	1:A:157:ARG:HD3	6	0.13
(3,569)	1:A:178:LEU:HD12	1:A:157:ARG:HD2	6	0.13
(3,569)	1:A:178:LEU:HD12	1:A:157:ARG:HD3	6	0.13
(3,569)	1:A:178:LEU:HD13	1:A:157:ARG:HD2	6	0.13
(3,569)	1:A:178:LEU:HD13	1:A:157:ARG:HD3	6	0.13
(3,568)	1:B:189:LEU:HD21	1:B:185:ILE:HB	1	0.13
(3,568)	1:B:189:LEU:HD22	1:B:185:ILE:HB	1	0.13
(3,567)	1:A:189:LEU:HD21	1:A:185:ILE:HB	9	0.13
(3,567)	1:A:189:LEU:HD22	1:A:185:ILE:HB	9	0.13
(3,567)	1:A:189:LEU:HD23	1:A:185:ILE:HB	9	0.13
(3,564)	1:B:157:ARG:HG3	1:B:157:ARG:HA	7	0.13
(3,546)	1:B:151:GLN:HB3	1:B:151:GLN:HA	8	0.13
(3,508)	1:B:157:ARG:HD2	1:B:157:ARG:HB2	3	0.13
(3,508)	1:B:157:ARG:HD3	1:B:157:ARG:HB2	3	0.13
(3,508)	1:B:157:ARG:HD2	1:B:157:ARG:HB2	4	0.13
(3,508)	1:B:157:ARG:HD3	1:B:157:ARG:HB2	4	0.13
(3,506)	1:B:201:ARG:HD2	1:B:201:ARG:HB2	3	0.13
(3,506)	1:B:201:ARG:HD2	1:B:201:ARG:HB3	3	0.13
(3,506)	1:B:201:ARG:HD3	1:B:201:ARG:HB2	3	0.13
(3,506)	1:B:201:ARG:HD3	1:B:201:ARG:HB3	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,494)	1:B:149:LYS:HA	1:B:149:LYS:HG2	3	0.13
(3,494)	1:B:149:LYS:HA	1:B:149:LYS:HG3	3	0.13
(3,49)	1:B:184:SER:H	1:B:183:ARG:H	3	0.13
(3,49)	1:B:184:SER:H	1:B:183:ARG:H	8	0.13
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG11	3	0.13
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG12	3	0.13
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG13	3	0.13
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG11	3	0.13
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG12	3	0.13
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG13	3	0.13
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG11	7	0.13
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG12	7	0.13
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG13	7	0.13
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG11	9	0.13
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG12	9	0.13
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG13	9	0.13
(3,48)	1:A:184:SER:H	1:A:183:ARG:H	4	0.13
(3,48)	1:A:184:SER:H	1:A:183:ARG:H	8	0.13
(3,48)	1:A:184:SER:H	1:A:183:ARG:H	9	0.13
(3,48)	1:A:184:SER:H	1:A:183:ARG:H	10	0.13
(3,458)	1:B:174:ILE:HA	1:B:177:ALA:HB1	1	0.13
(3,458)	1:B:174:ILE:HA	1:B:177:ALA:HB3	1	0.13
(3,441)	1:A:203:GLU:HG2	1:A:200:SER:H	7	0.13
(3,420)	1:B:171:ASN:H	1:B:201:ARG:HD2	2	0.13
(3,420)	1:B:171:ASN:H	1:B:201:ARG:HD3	2	0.13
(3,409)	1:B:203:GLU:H	1:B:198:VAL:HG11	8	0.13
(3,409)	1:B:203:GLU:H	1:B:198:VAL:HG12	8	0.13
(3,409)	1:B:203:GLU:H	1:B:198:VAL:HG13	8	0.13
(3,396)	1:B:166:GLU:H	1:B:166:GLU:HB3	2	0.13
(3,396)	1:B:166:GLU:H	1:B:166:GLU:HB3	5	0.13
(3,395)	1:A:166:GLU:H	1:A:166:GLU:HB3	1	0.13
(3,395)	1:A:166:GLU:H	1:A:166:GLU:HB3	2	0.13
(3,395)	1:A:166:GLU:H	1:A:166:GLU:HB3	4	0.13
(3,395)	1:A:166:GLU:H	1:A:166:GLU:HB3	10	0.13
(3,373)	1:A:204:ALA:H	1:A:203:GLU:H	5	0.13
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD11	7	0.13
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD12	7	0.13
(3,371)	1:A:207:ILE:H	1:A:207:ILE:HD13	7	0.13
(3,368)	1:B:195:LYS:H	1:B:195:LYS:HE2	3	0.13
(3,300)	1:A:191:SER:H	1:A:190:THR:HG21	1	0.13
(3,300)	1:A:191:SER:H	1:A:190:THR:HG22	1	0.13
(3,300)	1:A:191:SER:H	1:A:190:THR:HG23	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,27)	1:B:193:PHE:H	1:B:193:PHE:HB3	4	0.13
(3,169)	1:B:187:TYR:H	1:B:186:GLU:HG2	8	0.13
(3,168)	1:A:187:TYR:H	1:A:186:GLU:HG2	2	0.13
(3,162)	1:A:192:ILE:H	1:A:191:SER:H	5	0.13
(3,162)	1:A:192:ILE:H	1:A:191:SER:H	9	0.13
(3,1531)	1:A:209:LYS:HE2	1:A:209:LYS:HB2	4	0.13
(3,1531)	1:A:209:LYS:HE2	1:B:209:LYS:HB2	4	0.13
(3,1531)	1:B:209:LYS:HE2	1:A:209:LYS:HB2	4	0.13
(3,1531)	1:B:209:LYS:HE2	1:B:209:LYS:HB2	4	0.13
(3,1489)	1:A:181:SER:HB2	1:A:183:ARG:HD2	10	0.13
(3,1489)	1:A:181:SER:HB2	1:B:183:ARG:HD2	10	0.13
(3,1489)	1:B:181:SER:HB2	1:A:183:ARG:HD2	10	0.13
(3,1489)	1:B:181:SER:HB2	1:B:183:ARG:HD2	10	0.13
(3,1480)	1:A:153:VAL:HG11	1:A:147:SER:HA	3	0.13
(3,1480)	1:A:153:VAL:HG11	1:A:154:LEU:HA	3	0.13
(3,1480)	1:A:153:VAL:HG11	1:B:154:LEU:HA	3	0.13
(3,1480)	1:A:153:VAL:HG12	1:A:147:SER:HA	3	0.13
(3,1480)	1:A:153:VAL:HG12	1:A:154:LEU:HA	3	0.13
(3,1480)	1:A:153:VAL:HG12	1:B:154:LEU:HA	3	0.13
(3,1480)	1:A:153:VAL:HG13	1:A:147:SER:HA	3	0.13
(3,1480)	1:A:153:VAL:HG13	1:A:154:LEU:HA	3	0.13
(3,1480)	1:A:153:VAL:HG13	1:B:154:LEU:HA	3	0.13
(3,1480)	1:A:153:VAL:HG21	1:A:147:SER:HA	3	0.13
(3,1480)	1:A:153:VAL:HG21	1:A:154:LEU:HA	3	0.13
(3,1480)	1:A:153:VAL:HG21	1:B:154:LEU:HA	3	0.13
(3,1480)	1:A:153:VAL:HG22	1:A:147:SER:HA	3	0.13
(3,1480)	1:A:153:VAL:HG22	1:A:154:LEU:HA	3	0.13
(3,1480)	1:A:153:VAL:HG22	1:B:154:LEU:HA	3	0.13
(3,1480)	1:A:153:VAL:HG23	1:A:147:SER:HA	3	0.13
(3,1480)	1:A:153:VAL:HG23	1:A:154:LEU:HA	3	0.13
(3,1480)	1:A:153:VAL:HG23	1:B:154:LEU:HA	3	0.13
(3,1480)	1:A:154:LEU:HG	1:A:147:SER:HA	3	0.13
(3,1480)	1:A:154:LEU:HG	1:A:154:LEU:HA	3	0.13
(3,1480)	1:A:154:LEU:HG	1:B:154:LEU:HA	3	0.13
(3,1480)	1:B:153:VAL:HG11	1:A:147:SER:HA	3	0.13
(3,1480)	1:B:153:VAL:HG11	1:A:154:LEU:HA	3	0.13
(3,1480)	1:B:153:VAL:HG11	1:B:154:LEU:HA	3	0.13
(3,1480)	1:B:154:LEU:HG	1:A:147:SER:HA	3	0.13
(3,1480)	1:B:154:LEU:HG	1:A:154:LEU:HA	3	0.13
(3,1480)	1:B:154:LEU:HG	1:B:154:LEU:HA	3	0.13
(3,1402)	1:A:170:THR:HA	1:A:202:THR:HA	8	0.13
(3,1402)	1:A:170:THR:HA	1:B:181:SER:HB2	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1402)	1:A:170:THR:HA	1:B:202:THR:HA	8	0.13
(3,1402)	1:B:170:THR:HA	1:A:202:THR:HA	8	0.13
(3,1402)	1:B:170:THR:HA	1:B:181:SER:HB2	8	0.13
(3,1402)	1:B:170:THR:HA	1:B:202:THR:HA	8	0.13
(3,1402)	1:B:180:LEU:HA	1:A:202:THR:HA	8	0.13
(3,1402)	1:B:180:LEU:HA	1:B:181:SER:HB2	8	0.13
(3,1402)	1:B:180:LEU:HA	1:B:202:THR:HA	8	0.13
(3,1390)	1:A:158:GLU:HG3	1:A:161:ILE:HA	3	0.13
(3,1390)	1:A:158:GLU:HG3	1:A:165:VAL:HA	3	0.13
(3,1390)	1:A:158:GLU:HG3	1:A:192:ILE:HA	3	0.13
(3,1390)	1:A:158:GLU:HG3	1:B:161:ILE:HA	3	0.13
(3,1390)	1:A:158:GLU:HG3	1:B:165:VAL:HA	3	0.13
(3,1390)	1:A:158:GLU:HG3	1:B:192:ILE:HA	3	0.13
(3,1390)	1:A:164:GLU:HB3	1:A:161:ILE:HA	3	0.13
(3,1390)	1:A:164:GLU:HB3	1:A:165:VAL:HA	3	0.13
(3,1390)	1:A:164:GLU:HB3	1:A:192:ILE:HA	3	0.13
(3,1390)	1:A:164:GLU:HB3	1:B:161:ILE:HA	3	0.13
(3,1390)	1:A:164:GLU:HB3	1:B:165:VAL:HA	3	0.13
(3,1390)	1:A:164:GLU:HB3	1:B:192:ILE:HA	3	0.13
(3,1390)	1:A:174:ILE:HB	1:A:161:ILE:HA	3	0.13
(3,1390)	1:A:174:ILE:HB	1:A:165:VAL:HA	3	0.13
(3,1390)	1:A:174:ILE:HB	1:A:192:ILE:HA	3	0.13
(3,1390)	1:A:174:ILE:HB	1:B:161:ILE:HA	3	0.13
(3,1390)	1:A:174:ILE:HB	1:B:165:VAL:HA	3	0.13
(3,1390)	1:A:174:ILE:HB	1:B:192:ILE:HA	3	0.13
(3,1390)	1:A:205:VAL:HB	1:A:161:ILE:HA	3	0.13
(3,1390)	1:A:205:VAL:HB	1:A:165:VAL:HA	3	0.13
(3,1390)	1:A:205:VAL:HB	1:A:192:ILE:HA	3	0.13
(3,1390)	1:A:205:VAL:HB	1:B:161:ILE:HA	3	0.13
(3,1390)	1:A:205:VAL:HB	1:B:165:VAL:HA	3	0.13
(3,1390)	1:A:205:VAL:HB	1:B:192:ILE:HA	3	0.13
(3,1390)	1:B:164:GLU:HB3	1:A:161:ILE:HA	3	0.13
(3,1390)	1:B:164:GLU:HB3	1:A:165:VAL:HA	3	0.13
(3,1390)	1:B:164:GLU:HB3	1:A:192:ILE:HA	3	0.13
(3,1390)	1:B:164:GLU:HB3	1:B:161:ILE:HA	3	0.13
(3,1390)	1:B:164:GLU:HB3	1:B:165:VAL:HA	3	0.13
(3,1390)	1:B:164:GLU:HB3	1:B:192:ILE:HA	3	0.13
(3,1390)	1:B:174:ILE:HB	1:A:161:ILE:HA	3	0.13
(3,1390)	1:B:174:ILE:HB	1:A:165:VAL:HA	3	0.13
(3,1390)	1:B:174:ILE:HB	1:A:192:ILE:HA	3	0.13
(3,1390)	1:B:174:ILE:HB	1:B:161:ILE:HA	3	0.13
(3,1390)	1:B:174:ILE:HB	1:B:165:VAL:HA	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1390)	1:B:174:ILE:HB	1:B:192:ILE:HA	3	0.13
(3,1390)	1:B:198:VAL:HB	1:A:161:ILE:HA	3	0.13
(3,1390)	1:B:198:VAL:HB	1:A:165:VAL:HA	3	0.13
(3,1390)	1:B:198:VAL:HB	1:A:192:ILE:HA	3	0.13
(3,1390)	1:B:198:VAL:HB	1:B:161:ILE:HA	3	0.13
(3,1390)	1:B:198:VAL:HB	1:B:165:VAL:HA	3	0.13
(3,1390)	1:B:198:VAL:HB	1:B:192:ILE:HA	3	0.13
(3,1390)	1:B:205:VAL:HB	1:A:161:ILE:HA	3	0.13
(3,1390)	1:B:205:VAL:HB	1:A:165:VAL:HA	3	0.13
(3,1390)	1:B:205:VAL:HB	1:A:192:ILE:HA	3	0.13
(3,1390)	1:B:205:VAL:HB	1:B:161:ILE:HA	3	0.13
(3,1390)	1:B:205:VAL:HB	1:B:165:VAL:HA	3	0.13
(3,1390)	1:B:205:VAL:HB	1:B:192:ILE:HA	3	0.13
(3,1367)	1:B:151:GLN:HA	1:B:154:LEU:HG	2	0.13
(3,1367)	1:B:151:GLN:HA	1:B:196:LEU:HG	2	0.13
(3,1364)	1:A:166:GLU:HB3	1:A:205:VAL:H	8	0.13
(3,1364)	1:A:166:GLU:HB3	1:B:205:VAL:H	8	0.13
(3,1364)	1:A:201:ARG:HB3	1:A:205:VAL:H	8	0.13
(3,1364)	1:A:201:ARG:HB3	1:B:205:VAL:H	8	0.13
(3,1364)	1:A:206:LEU:HG	1:A:205:VAL:H	8	0.13
(3,1364)	1:A:206:LEU:HG	1:B:205:VAL:H	8	0.13
(3,1364)	1:B:166:GLU:HB3	1:A:205:VAL:H	8	0.13
(3,1364)	1:B:166:GLU:HB3	1:B:205:VAL:H	8	0.13
(3,1364)	1:B:189:LEU:HG	1:A:205:VAL:H	8	0.13
(3,1364)	1:B:189:LEU:HG	1:B:205:VAL:H	8	0.13
(3,1364)	1:B:201:ARG:HB3	1:A:205:VAL:H	8	0.13
(3,1364)	1:B:201:ARG:HB3	1:B:205:VAL:H	8	0.13
(3,1364)	1:B:206:LEU:HG	1:A:205:VAL:H	8	0.13
(3,1364)	1:B:206:LEU:HG	1:B:205:VAL:H	8	0.13
(3,1321)	1:A:190:THR:HB	1:A:191:SER:H	10	0.13
(3,1321)	1:A:190:THR:HB	1:B:191:SER:H	10	0.13
(3,1321)	1:B:190:THR:HB	1:A:191:SER:H	10	0.13
(3,1321)	1:B:190:THR:HB	1:B:191:SER:H	10	0.13
(3,1302)	1:A:172:GLN:HG2	1:A:173:GLU:H	4	0.13
(3,1302)	1:A:172:GLN:HG2	1:B:173:GLU:H	4	0.13
(3,1302)	1:A:173:GLU:HG3	1:A:173:GLU:H	4	0.13
(3,1302)	1:A:173:GLU:HG3	1:B:173:GLU:H	4	0.13
(3,1302)	1:B:173:GLU:HG3	1:A:173:GLU:H	4	0.13
(3,1302)	1:B:173:GLU:HG3	1:B:173:GLU:H	4	0.13
(3,1301)	1:A:158:GLU:HG2	1:A:158:GLU:H	2	0.13
(3,1301)	1:A:158:GLU:HG2	1:A:173:GLU:H	2	0.13
(3,1301)	1:A:158:GLU:HG2	1:B:173:GLU:H	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1301)	1:A:173:GLU:HG2	1:A:158:GLU:H	2	0.13
(3,1301)	1:A:173:GLU:HG2	1:A:173:GLU:H	2	0.13
(3,1301)	1:A:173:GLU:HG2	1:B:173:GLU:H	2	0.13
(3,1301)	1:B:173:GLU:HG2	1:A:158:GLU:H	2	0.13
(3,1301)	1:B:173:GLU:HG2	1:A:173:GLU:H	2	0.13
(3,1301)	1:B:173:GLU:HG2	1:B:173:GLU:H	2	0.13
(3,1270)	1:A:153:VAL:HB	1:A:150:GLU:H	10	0.13
(3,1270)	1:A:153:VAL:HB	1:A:165:VAL:H	10	0.13
(3,1270)	1:A:153:VAL:HB	1:B:150:GLU:H	10	0.13
(3,1270)	1:A:153:VAL:HB	1:B:165:VAL:H	10	0.13
(3,1270)	1:A:164:GLU:HB3	1:A:150:GLU:H	10	0.13
(3,1270)	1:A:164:GLU:HB3	1:A:165:VAL:H	10	0.13
(3,1270)	1:A:164:GLU:HB3	1:B:150:GLU:H	10	0.13
(3,1270)	1:A:164:GLU:HB3	1:B:165:VAL:H	10	0.13
(3,1270)	1:B:153:VAL:HB	1:A:150:GLU:H	10	0.13
(3,1270)	1:B:153:VAL:HB	1:A:165:VAL:H	10	0.13
(3,1270)	1:B:153:VAL:HB	1:B:150:GLU:H	10	0.13
(3,1270)	1:B:153:VAL:HB	1:B:165:VAL:H	10	0.13
(3,1270)	1:B:164:GLU:HB3	1:A:150:GLU:H	10	0.13
(3,1270)	1:B:164:GLU:HB3	1:A:165:VAL:H	10	0.13
(3,1270)	1:B:164:GLU:HB3	1:B:150:GLU:H	10	0.13
(3,1270)	1:B:164:GLU:HB3	1:B:165:VAL:H	10	0.13
(3,1270)	1:B:166:GLU:HG3	1:A:150:GLU:H	10	0.13
(3,1270)	1:B:166:GLU:HG3	1:A:165:VAL:H	10	0.13
(3,1270)	1:B:166:GLU:HG3	1:B:150:GLU:H	10	0.13
(3,1270)	1:B:166:GLU:HG3	1:B:165:VAL:H	10	0.13
(3,1199)	1:A:149:LYS:HA	1:A:149:LYS:H	2	0.13
(3,1199)	1:A:149:LYS:HA	1:A:166:GLU:H	2	0.13
(3,1199)	1:A:149:LYS:HA	1:B:149:LYS:H	2	0.13
(3,1199)	1:A:149:LYS:HA	1:B:166:GLU:H	2	0.13
(3,1199)	1:A:205:VAL:HA	1:A:149:LYS:H	2	0.13
(3,1199)	1:A:205:VAL:HA	1:A:166:GLU:H	2	0.13
(3,1199)	1:A:205:VAL:HA	1:B:149:LYS:H	2	0.13
(3,1199)	1:A:205:VAL:HA	1:B:166:GLU:H	2	0.13
(3,1199)	1:B:149:LYS:HA	1:A:149:LYS:H	2	0.13
(3,1199)	1:B:149:LYS:HA	1:A:166:GLU:H	2	0.13
(3,1199)	1:B:149:LYS:HA	1:B:149:LYS:H	2	0.13
(3,1199)	1:B:149:LYS:HA	1:B:166:GLU:H	2	0.13
(3,1199)	1:B:205:VAL:HA	1:A:149:LYS:H	2	0.13
(3,1199)	1:B:205:VAL:HA	1:A:166:GLU:H	2	0.13
(3,1199)	1:B:205:VAL:HA	1:B:149:LYS:H	2	0.13
(3,1199)	1:B:205:VAL:HA	1:B:166:GLU:H	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1199)	1:A:149:LYS:HA	1:A:149:LYS:H	4	0.13
(3,1199)	1:A:149:LYS:HA	1:A:166:GLU:H	4	0.13
(3,1199)	1:A:149:LYS:HA	1:B:149:LYS:H	4	0.13
(3,1199)	1:A:149:LYS:HA	1:B:166:GLU:H	4	0.13
(3,1199)	1:A:205:VAL:HA	1:A:149:LYS:H	4	0.13
(3,1199)	1:A:205:VAL:HA	1:A:166:GLU:H	4	0.13
(3,1199)	1:A:205:VAL:HA	1:B:149:LYS:H	4	0.13
(3,1199)	1:A:205:VAL:HA	1:B:166:GLU:H	4	0.13
(3,1199)	1:B:149:LYS:HA	1:A:149:LYS:H	4	0.13
(3,1199)	1:B:149:LYS:HA	1:A:166:GLU:H	4	0.13
(3,1199)	1:B:149:LYS:HA	1:B:149:LYS:H	4	0.13
(3,1199)	1:B:149:LYS:HA	1:B:166:GLU:H	4	0.13
(3,1199)	1:B:205:VAL:HA	1:A:149:LYS:H	4	0.13
(3,1199)	1:B:205:VAL:HA	1:A:166:GLU:H	4	0.13
(3,1199)	1:B:205:VAL:HA	1:B:149:LYS:H	4	0.13
(3,1199)	1:B:205:VAL:HA	1:B:166:GLU:H	4	0.13
(3,1174)	1:A:169:PHE:HA	1:A:201:ARG:H	2	0.13
(3,1174)	1:A:169:PHE:HA	1:B:201:ARG:H	2	0.13
(3,1174)	1:B:169:PHE:HA	1:A:201:ARG:H	2	0.13
(3,1174)	1:B:169:PHE:HA	1:B:201:ARG:H	2	0.13
(3,1145)	1:A:207:ILE:HG13	1:A:207:ILE:H	4	0.13
(3,1145)	1:A:207:ILE:HG13	1:B:207:ILE:H	4	0.13
(3,1145)	1:B:207:ILE:HG13	1:A:207:ILE:H	4	0.13
(3,1145)	1:B:207:ILE:HG13	1:B:207:ILE:H	4	0.13
(3,1145)	1:A:207:ILE:HG13	1:A:207:ILE:H	6	0.13
(3,1145)	1:A:207:ILE:HG13	1:B:207:ILE:H	6	0.13
(3,1145)	1:B:207:ILE:HG13	1:A:207:ILE:H	6	0.13
(3,1145)	1:B:207:ILE:HG13	1:B:207:ILE:H	6	0.13
(3,1145)	1:A:207:ILE:HG13	1:A:207:ILE:H	9	0.13
(3,1145)	1:A:207:ILE:HG13	1:B:207:ILE:H	9	0.13
(3,1145)	1:B:207:ILE:HG13	1:A:207:ILE:H	9	0.13
(3,1145)	1:B:207:ILE:HG13	1:B:207:ILE:H	9	0.13
(3,1121)	1:A:157:ARG:HB2	1:A:162:LEU:H	4	0.13
(3,1121)	1:A:157:ARG:HB2	1:B:162:LEU:H	4	0.13
(3,1121)	1:A:158:GLU:HG3	1:A:162:LEU:H	4	0.13
(3,1121)	1:A:158:GLU:HG3	1:B:162:LEU:H	4	0.13
(3,1121)	1:A:163:GLN:HB2	1:A:162:LEU:H	4	0.13
(3,1121)	1:A:163:GLN:HB2	1:B:162:LEU:H	4	0.13
(3,1121)	1:A:166:GLU:HG2	1:A:162:LEU:H	4	0.13
(3,1121)	1:A:166:GLU:HG2	1:B:162:LEU:H	4	0.13
(3,1121)	1:A:192:ILE:HB	1:A:162:LEU:H	4	0.13
(3,1121)	1:A:192:ILE:HB	1:B:162:LEU:H	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1121)	1:B:151:GLN:HB2	1:A:162:LEU:H	4	0.13
(3,1121)	1:B:151:GLN:HB2	1:B:162:LEU:H	4	0.13
(3,1121)	1:B:158:GLU:HG3	1:A:162:LEU:H	4	0.13
(3,1121)	1:B:158:GLU:HG3	1:B:162:LEU:H	4	0.13
(3,1121)	1:B:163:GLN:HB2	1:A:162:LEU:H	4	0.13
(3,1121)	1:B:163:GLN:HB2	1:B:162:LEU:H	4	0.13
(3,1121)	1:B:166:GLU:HG2	1:A:162:LEU:H	4	0.13
(3,1121)	1:B:166:GLU:HG2	1:B:162:LEU:H	4	0.13
(3,1121)	1:B:192:ILE:HB	1:A:162:LEU:H	4	0.13
(3,1121)	1:B:192:ILE:HB	1:B:162:LEU:H	4	0.13
(3,1102)	1:A:174:ILE:H	1:A:172:GLN:H	1	0.13
(3,1102)	1:A:174:ILE:H	1:B:172:GLN:H	1	0.13
(3,1102)	1:B:174:ILE:H	1:A:172:GLN:H	1	0.13
(3,1102)	1:B:174:ILE:H	1:B:172:GLN:H	1	0.13
(3,1102)	1:A:174:ILE:H	1:A:172:GLN:H	4	0.13
(3,1102)	1:A:174:ILE:H	1:B:172:GLN:H	4	0.13
(3,1102)	1:B:174:ILE:H	1:A:172:GLN:H	4	0.13
(3,1102)	1:B:174:ILE:H	1:B:172:GLN:H	4	0.13
(3,1102)	1:A:174:ILE:H	1:A:172:GLN:H	7	0.13
(3,1102)	1:A:174:ILE:H	1:B:172:GLN:H	7	0.13
(3,1102)	1:B:174:ILE:H	1:A:172:GLN:H	7	0.13
(3,1102)	1:B:174:ILE:H	1:B:172:GLN:H	7	0.13
(3,1086)	1:A:164:GLU:HB3	1:A:176:ASP:H	3	0.13
(3,1086)	1:A:164:GLU:HB3	1:B:176:ASP:H	3	0.13
(3,1086)	1:A:174:ILE:HB	1:A:176:ASP:H	3	0.13
(3,1086)	1:A:174:ILE:HB	1:B:176:ASP:H	3	0.13
(3,1086)	1:B:164:GLU:HB3	1:A:176:ASP:H	3	0.13
(3,1086)	1:B:164:GLU:HB3	1:B:176:ASP:H	3	0.13
(3,1086)	1:B:173:GLU:HG3	1:A:176:ASP:H	3	0.13
(3,1086)	1:B:173:GLU:HG3	1:B:176:ASP:H	3	0.13
(3,1086)	1:B:174:ILE:HB	1:A:176:ASP:H	3	0.13
(3,1086)	1:B:174:ILE:HB	1:B:176:ASP:H	3	0.13
(3,1065)	1:A:212:GLY:HA3	1:A:212:GLY:H	3	0.13
(3,1065)	1:A:212:GLY:HA3	1:B:212:GLY:H	3	0.13
(3,1065)	1:B:212:GLY:HA3	1:A:212:GLY:H	3	0.13
(3,1065)	1:B:212:GLY:HA3	1:B:212:GLY:H	3	0.13
(3,1065)	1:A:212:GLY:HA3	1:A:212:GLY:H	4	0.13
(3,1065)	1:A:212:GLY:HA3	1:B:212:GLY:H	4	0.13
(3,1065)	1:B:212:GLY:HA3	1:A:212:GLY:H	4	0.13
(3,1065)	1:B:212:GLY:HA3	1:B:212:GLY:H	4	0.13
(3,1065)	1:A:212:GLY:HA3	1:A:212:GLY:H	5	0.13
(3,1065)	1:A:212:GLY:HA3	1:B:212:GLY:H	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1065)	1:B:212:GLY:HA3	1:A:212:GLY:H	5	0.13
(3,1065)	1:B:212:GLY:HA3	1:B:212:GLY:H	5	0.13
(3,1065)	1:A:212:GLY:HA3	1:A:212:GLY:H	6	0.13
(3,1065)	1:A:212:GLY:HA3	1:B:212:GLY:H	6	0.13
(3,1065)	1:B:212:GLY:HA3	1:A:212:GLY:H	6	0.13
(3,1065)	1:B:212:GLY:HA3	1:B:212:GLY:H	6	0.13
(3,1065)	1:A:212:GLY:HA3	1:A:212:GLY:H	7	0.13
(3,1065)	1:A:212:GLY:HA3	1:B:212:GLY:H	7	0.13
(3,1065)	1:B:212:GLY:HA3	1:A:212:GLY:H	7	0.13
(3,1065)	1:B:212:GLY:HA3	1:B:212:GLY:H	7	0.13
(3,100)	1:B:182:LYS:H	1:B:181:SER:HA	2	0.13
(2,6)	1:A:156:PRO:O	1:A:160:LEU:H	10	0.13
(2,32)	1:B:162:LEU:O	1:B:166:GLU:H	2	0.13
(2,32)	1:B:162:LEU:O	1:B:166:GLU:H	3	0.13
(2,32)	1:B:162:LEU:O	1:B:166:GLU:H	4	0.13
(2,32)	1:B:162:LEU:O	1:B:166:GLU:H	6	0.13
(2,30)	1:A:162:LEU:O	1:A:166:GLU:H	3	0.13
(2,30)	1:A:162:LEU:O	1:A:166:GLU:H	6	0.13
(2,30)	1:A:162:LEU:O	1:A:166:GLU:H	8	0.13
(2,30)	1:A:162:LEU:O	1:A:166:GLU:H	10	0.13
(2,24)	1:B:160:LEU:O	1:B:164:GLU:H	1	0.13
(2,24)	1:B:160:LEU:O	1:B:164:GLU:H	7	0.13
(2,22)	1:A:160:LEU:O	1:A:164:GLU:H	2	0.13
(2,22)	1:A:160:LEU:O	1:A:164:GLU:H	9	0.13
(2,12)	1:B:157:ARG:O	1:B:161:ILE:H	2	0.13
(2,12)	1:B:157:ARG:O	1:B:161:ILE:H	4	0.13
(2,12)	1:B:157:ARG:O	1:B:161:ILE:H	5	0.13
(2,12)	1:B:157:ARG:O	1:B:161:ILE:H	9	0.13
(2,10)	1:A:157:ARG:O	1:A:161:ILE:H	10	0.13
(1,932)	1:B:199:GLY:H	1:B:204:ALA:HA	8	0.13
(1,923)	1:A:163:GLN:H	1:A:164:GLU:HG3	1	0.13
(1,899)	1:B:198:VAL:H	1:B:207:ILE:HG21	4	0.13
(1,899)	1:B:198:VAL:H	1:B:207:ILE:HG22	4	0.13
(1,899)	1:B:198:VAL:H	1:B:207:ILE:HG23	4	0.13
(1,899)	1:B:198:VAL:H	1:B:207:ILE:HG21	10	0.13
(1,899)	1:B:198:VAL:H	1:B:207:ILE:HG22	10	0.13
(1,899)	1:B:198:VAL:H	1:B:207:ILE:HG23	10	0.13
(1,898)	1:A:198:VAL:H	1:A:207:ILE:HG21	4	0.13
(1,898)	1:A:198:VAL:H	1:A:207:ILE:HG22	4	0.13
(1,898)	1:A:198:VAL:H	1:A:207:ILE:HG23	4	0.13
(1,836)	1:A:171:ASN:H	1:A:172:GLN:HB3	10	0.13
(1,663)	1:B:201:ARG:H	1:B:193:PHE:H	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,662)	1:A:201:ARG:H	1:A:193:PHE:H	2	0.13
(1,662)	1:A:201:ARG:H	1:A:193:PHE:H	7	0.13
(1,460)	1:A:146:SER:H	1:A:149:LYS:HA	8	0.13
(1,243)	1:B:152:ASP:H	1:B:154:LEU:HA	4	0.13
(1,1885)	1:A:154:LEU:HB2	1:A:157:ARG:HA	6	0.13
(1,1885)	1:A:154:LEU:HB2	1:A:162:LEU:HA	6	0.13
(1,1885)	1:A:154:LEU:HB3	1:A:157:ARG:HA	6	0.13
(1,1885)	1:A:154:LEU:HB3	1:A:162:LEU:HA	6	0.13
(1,1794)	1:A:152:ASP:HA	1:A:155:THR:H	6	0.13
(1,1794)	1:A:152:ASP:HA	1:B:155:THR:H	6	0.13
(1,1794)	1:B:152:ASP:HA	1:A:155:THR:H	6	0.13
(1,1794)	1:B:152:ASP:HA	1:B:155:THR:H	6	0.13
(1,1748)	1:A:164:GLU:HB2	1:A:185:ILE:H	5	0.13
(1,1748)	1:A:164:GLU:HB2	1:B:185:ILE:H	5	0.13
(1,1748)	1:A:172:GLN:HG2	1:A:185:ILE:H	5	0.13
(1,1748)	1:A:172:GLN:HG2	1:B:185:ILE:H	5	0.13
(1,1748)	1:A:172:GLN:HG3	1:A:185:ILE:H	5	0.13
(1,1748)	1:A:172:GLN:HG3	1:B:185:ILE:H	5	0.13
(1,1748)	1:B:164:GLU:HB2	1:A:185:ILE:H	5	0.13
(1,1748)	1:B:164:GLU:HB2	1:B:185:ILE:H	5	0.13
(1,1748)	1:B:172:GLN:HG2	1:A:185:ILE:H	5	0.13
(1,1748)	1:B:172:GLN:HG2	1:B:185:ILE:H	5	0.13
(1,1748)	1:B:172:GLN:HG3	1:A:185:ILE:H	5	0.13
(1,1748)	1:B:172:GLN:HG3	1:B:185:ILE:H	5	0.13
(1,163)	1:B:177:ALA:H	1:B:179:HIS:HB2	7	0.13
(1,163)	1:B:177:ALA:H	1:B:179:HIS:HB3	7	0.13
(1,1474)	1:B:162:LEU:HD21	1:B:165:VAL:HB	2	0.13
(1,1474)	1:B:162:LEU:HD22	1:B:165:VAL:HB	2	0.13
(1,1474)	1:B:162:LEU:HD23	1:B:165:VAL:HB	2	0.13
(1,1474)	1:B:162:LEU:HD21	1:B:165:VAL:HB	3	0.13
(1,1474)	1:B:162:LEU:HD22	1:B:165:VAL:HB	3	0.13
(1,1474)	1:B:162:LEU:HD23	1:B:165:VAL:HB	3	0.13
(1,1474)	1:B:162:LEU:HD21	1:B:165:VAL:HB	5	0.13
(1,1474)	1:B:162:LEU:HD22	1:B:165:VAL:HB	5	0.13
(1,1474)	1:B:162:LEU:HD23	1:B:165:VAL:HB	5	0.13
(1,1474)	1:B:162:LEU:HD21	1:B:165:VAL:HB	10	0.13
(1,1474)	1:B:162:LEU:HD22	1:B:165:VAL:HB	10	0.13
(1,1474)	1:B:162:LEU:HD23	1:B:165:VAL:HB	10	0.13
(1,1473)	1:A:162:LEU:HD21	1:A:165:VAL:HB	3	0.13
(1,1473)	1:A:162:LEU:HD22	1:A:165:VAL:HB	3	0.13
(1,1473)	1:A:162:LEU:HD23	1:A:165:VAL:HB	3	0.13
(1,1473)	1:A:162:LEU:HD21	1:A:165:VAL:HB	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1473)	1:A:162:LEU:HD22	1:A:165:VAL:HB	6	0.13
(1,1473)	1:A:162:LEU:HD23	1:A:165:VAL:HB	6	0.13
(1,1473)	1:A:162:LEU:HD21	1:A:165:VAL:HB	10	0.13
(1,1473)	1:A:162:LEU:HD22	1:A:165:VAL:HB	10	0.13
(1,1473)	1:A:162:LEU:HD23	1:A:165:VAL:HB	10	0.13
(1,1430)	1:B:178:LEU:HD21	1:B:164:GLU:HA	6	0.13
(1,1430)	1:B:178:LEU:HD22	1:B:164:GLU:HA	6	0.13
(1,1430)	1:B:178:LEU:HD23	1:B:164:GLU:HA	6	0.13
(1,1430)	1:B:178:LEU:HD21	1:B:164:GLU:HA	7	0.13
(1,1430)	1:B:178:LEU:HD22	1:B:164:GLU:HA	7	0.13
(1,1430)	1:B:178:LEU:HD23	1:B:164:GLU:HA	7	0.13
(1,1429)	1:A:178:LEU:HD21	1:A:164:GLU:HA	3	0.13
(1,1429)	1:A:178:LEU:HD22	1:A:164:GLU:HA	3	0.13
(1,1429)	1:A:178:LEU:HD23	1:A:164:GLU:HA	3	0.13
(1,1392)	1:B:206:LEU:HD11	1:A:167:LYS:HD2	6	0.13
(1,1392)	1:B:206:LEU:HD11	1:A:167:LYS:HD3	6	0.13
(1,1392)	1:B:206:LEU:HD12	1:A:167:LYS:HD2	6	0.13
(1,1392)	1:B:206:LEU:HD12	1:A:167:LYS:HD3	6	0.13
(1,1392)	1:B:206:LEU:HD13	1:A:167:LYS:HD2	6	0.13
(1,1392)	1:B:206:LEU:HD13	1:A:167:LYS:HD3	6	0.13
(1,1295)	1:A:158:GLU:HG2	1:A:157:ARG:HA	8	0.13
(1,1295)	1:A:158:GLU:HG3	1:A:157:ARG:HA	8	0.13
(1,1211)	1:B:213:VAL:HA	1:B:151:GLN:HB2	3	0.13
(1,1211)	1:B:213:VAL:HA	1:B:151:GLN:HB3	3	0.13
(1,1098)	1:B:177:ALA:H	1:B:182:LYS:HD2	2	0.13
(1,1098)	1:B:177:ALA:H	1:B:182:LYS:HD3	2	0.13
(1,1098)	1:B:177:ALA:H	1:B:182:LYS:HD2	6	0.13
(1,1098)	1:B:177:ALA:H	1:B:182:LYS:HD3	6	0.13
(1,1098)	1:B:177:ALA:H	1:B:182:LYS:HD2	8	0.13
(1,1098)	1:B:177:ALA:H	1:B:182:LYS:HD3	8	0.13
(3,995)	1:A:197:ASN:HA	1:A:198:VAL:H	6	0.12
(3,995)	1:A:197:ASN:HA	1:B:198:VAL:H	6	0.12
(3,995)	1:B:197:ASN:HA	1:A:198:VAL:H	6	0.12
(3,995)	1:B:197:ASN:HA	1:B:198:VAL:H	6	0.12
(3,994)	1:A:198:VAL:HG11	1:A:200:SER:H	1	0.12
(3,994)	1:A:198:VAL:HG11	1:B:200:SER:H	1	0.12
(3,994)	1:A:198:VAL:HG12	1:A:200:SER:H	1	0.12
(3,994)	1:A:198:VAL:HG12	1:B:200:SER:H	1	0.12
(3,994)	1:A:198:VAL:HG13	1:A:200:SER:H	1	0.12
(3,994)	1:A:198:VAL:HG13	1:B:200:SER:H	1	0.12
(3,994)	1:B:198:VAL:HG11	1:A:200:SER:H	1	0.12
(3,994)	1:B:198:VAL:HG11	1:B:200:SER:H	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,994)	1:A:198:VAL:HG11	1:A:200:SER:H	7	0.12
(3,994)	1:A:198:VAL:HG11	1:B:200:SER:H	7	0.12
(3,994)	1:A:198:VAL:HG12	1:A:200:SER:H	7	0.12
(3,994)	1:A:198:VAL:HG12	1:B:200:SER:H	7	0.12
(3,994)	1:A:198:VAL:HG13	1:A:200:SER:H	7	0.12
(3,994)	1:A:198:VAL:HG13	1:B:200:SER:H	7	0.12
(3,994)	1:B:198:VAL:HG11	1:A:200:SER:H	7	0.12
(3,994)	1:B:198:VAL:HG11	1:B:200:SER:H	7	0.12
(3,994)	1:A:198:VAL:HG11	1:A:200:SER:H	9	0.12
(3,994)	1:A:198:VAL:HG11	1:B:200:SER:H	9	0.12
(3,994)	1:A:198:VAL:HG12	1:A:200:SER:H	9	0.12
(3,994)	1:A:198:VAL:HG12	1:B:200:SER:H	9	0.12
(3,994)	1:A:198:VAL:HG13	1:A:200:SER:H	9	0.12
(3,994)	1:A:198:VAL:HG13	1:B:200:SER:H	9	0.12
(3,994)	1:B:198:VAL:HG11	1:A:200:SER:H	9	0.12
(3,994)	1:B:198:VAL:HG11	1:B:200:SER:H	9	0.12
(3,99)	1:A:182:LYS:H	1:A:181:SER:HA	5	0.12
(3,99)	1:A:182:LYS:H	1:A:181:SER:HA	7	0.12
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG11	9	0.12
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG12	9	0.12
(3,98)	1:B:154:LEU:H	1:B:153:VAL:HG13	9	0.12
(3,977)	1:A:190:THR:HA	1:A:190:THR:H	5	0.12
(3,977)	1:A:190:THR:HA	1:B:190:THR:H	5	0.12
(3,977)	1:B:190:THR:HA	1:A:190:THR:H	5	0.12
(3,977)	1:B:190:THR:HA	1:B:190:THR:H	5	0.12
(3,963)	1:A:175:ALA:HA	1:A:179:HIS:H	1	0.12
(3,963)	1:A:175:ALA:HA	1:B:179:HIS:H	1	0.12
(3,963)	1:B:175:ALA:HA	1:A:179:HIS:H	1	0.12
(3,963)	1:B:175:ALA:HA	1:B:179:HIS:H	1	0.12
(3,938)	1:A:146:SER:HB2	1:A:147:SER:H	1	0.12
(3,938)	1:A:146:SER:HB2	1:B:146:SER:H	1	0.12
(3,938)	1:A:146:SER:HB2	1:B:147:SER:H	1	0.12
(3,938)	1:B:146:SER:HB2	1:A:147:SER:H	1	0.12
(3,938)	1:B:146:SER:HB2	1:B:146:SER:H	1	0.12
(3,938)	1:B:146:SER:HB2	1:B:147:SER:H	1	0.12
(3,921)	1:A:183:ARG:HD2	1:A:183:ARG:H	8	0.12
(3,921)	1:A:183:ARG:HD2	1:A:188:SER:H	8	0.12
(3,921)	1:A:183:ARG:HD2	1:B:183:ARG:H	8	0.12
(3,921)	1:A:187:TYR:HB2	1:A:183:ARG:H	8	0.12
(3,921)	1:A:187:TYR:HB2	1:A:188:SER:H	8	0.12
(3,921)	1:A:187:TYR:HB2	1:B:183:ARG:H	8	0.12
(3,921)	1:B:183:ARG:HD2	1:A:183:ARG:H	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,921)	1:B:183:ARG:HD2	1:A:188:SER:H	8	0.12
(3,921)	1:B:183:ARG:HD2	1:B:183:ARG:H	8	0.12
(3,888)	1:A:151:GLN:HB2	1:A:151:GLN:H	8	0.12
(3,888)	1:A:151:GLN:HB2	1:A:186:GLU:H	8	0.12
(3,888)	1:A:151:GLN:HB2	1:B:151:GLN:H	8	0.12
(3,888)	1:A:186:GLU:HB2	1:A:151:GLN:H	8	0.12
(3,888)	1:A:186:GLU:HB2	1:A:186:GLU:H	8	0.12
(3,888)	1:A:186:GLU:HB2	1:B:151:GLN:H	8	0.12
(3,888)	1:B:151:GLN:HB2	1:A:151:GLN:H	8	0.12
(3,888)	1:B:151:GLN:HB2	1:A:186:GLU:H	8	0.12
(3,888)	1:B:151:GLN:HB2	1:B:151:GLN:H	8	0.12
(3,844)	1:A:201:ARG:HB2	1:A:201:ARG:H	5	0.12
(3,844)	1:A:201:ARG:HB2	1:B:201:ARG:H	5	0.12
(3,844)	1:A:203:GLU:HB2	1:A:201:ARG:H	5	0.12
(3,844)	1:A:203:GLU:HB2	1:B:201:ARG:H	5	0.12
(3,844)	1:B:201:ARG:HB2	1:A:201:ARG:H	5	0.12
(3,844)	1:B:201:ARG:HB2	1:B:201:ARG:H	5	0.12
(3,844)	1:B:203:GLU:HB2	1:A:201:ARG:H	5	0.12
(3,844)	1:B:203:GLU:HB2	1:B:201:ARG:H	5	0.12
(3,829)	1:A:148:GLN:HB3	1:A:149:LYS:H	1	0.12
(3,829)	1:A:148:GLN:HB3	1:B:166:GLU:H	1	0.12
(3,829)	1:B:166:GLU:HG3	1:A:149:LYS:H	1	0.12
(3,829)	1:B:166:GLU:HG3	1:B:166:GLU:H	1	0.12
(3,81)	1:A:214:LEU:H	1:A:213:VAL:HB	10	0.12
(3,780)	1:B:187:TYR:H	1:B:186:GLU:H	2	0.12
(3,780)	1:B:187:TYR:H	1:B:188:SER:H	2	0.12
(3,780)	1:B:187:TYR:H	1:B:186:GLU:H	3	0.12
(3,780)	1:B:187:TYR:H	1:B:188:SER:H	3	0.12
(3,780)	1:B:187:TYR:H	1:B:186:GLU:H	6	0.12
(3,780)	1:B:187:TYR:H	1:B:188:SER:H	6	0.12
(3,779)	1:A:187:TYR:H	1:A:186:GLU:H	6	0.12
(3,779)	1:A:187:TYR:H	1:A:188:SER:H	6	0.12
(3,773)	1:B:182:LYS:H	1:B:175:ALA:HB2	5	0.12
(3,773)	1:B:182:LYS:H	1:B:175:ALA:HB3	5	0.12
(3,773)	1:B:182:LYS:H	1:B:182:LYS:HD3	5	0.12
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG21	3	0.12
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG22	3	0.12
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG23	3	0.12
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG21	3	0.12
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG22	3	0.12
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG23	3	0.12
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG21	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG22	3	0.12
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG23	3	0.12
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG21	9	0.12
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG22	9	0.12
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG23	9	0.12
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG21	9	0.12
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG22	9	0.12
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG23	9	0.12
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG21	9	0.12
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG22	9	0.12
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG23	9	0.12
(3,760)	1:A:198:VAL:HG21	1:B:205:VAL:HG21	6	0.12
(3,760)	1:A:198:VAL:HG21	1:B:205:VAL:HG22	6	0.12
(3,760)	1:A:198:VAL:HG21	1:B:205:VAL:HG23	6	0.12
(3,760)	1:A:198:VAL:HG22	1:B:205:VAL:HG21	6	0.12
(3,760)	1:A:198:VAL:HG22	1:B:205:VAL:HG22	6	0.12
(3,760)	1:A:198:VAL:HG22	1:B:205:VAL:HG23	6	0.12
(3,760)	1:A:198:VAL:HG23	1:B:205:VAL:HG21	6	0.12
(3,760)	1:A:198:VAL:HG23	1:B:205:VAL:HG22	6	0.12
(3,760)	1:A:198:VAL:HG23	1:B:205:VAL:HG23	6	0.12
(3,760)	1:A:198:VAL:HG21	1:B:205:VAL:HG21	9	0.12
(3,760)	1:A:198:VAL:HG21	1:B:205:VAL:HG22	9	0.12
(3,760)	1:A:198:VAL:HG21	1:B:205:VAL:HG23	9	0.12
(3,760)	1:A:198:VAL:HG22	1:B:205:VAL:HG21	9	0.12
(3,760)	1:A:198:VAL:HG22	1:B:205:VAL:HG22	9	0.12
(3,760)	1:A:198:VAL:HG22	1:B:205:VAL:HG23	9	0.12
(3,760)	1:A:198:VAL:HG23	1:B:205:VAL:HG21	9	0.12
(3,760)	1:A:198:VAL:HG23	1:B:205:VAL:HG22	9	0.12
(3,760)	1:A:198:VAL:HG23	1:B:205:VAL:HG23	9	0.12
(3,750)	1:A:207:ILE:HG21	1:B:209:LYS:HD2	6	0.12
(3,750)	1:A:207:ILE:HG21	1:B:209:LYS:HD3	6	0.12
(3,750)	1:A:207:ILE:HG22	1:B:209:LYS:HD2	6	0.12
(3,750)	1:A:207:ILE:HG22	1:B:209:LYS:HD3	6	0.12
(3,750)	1:A:207:ILE:HG23	1:B:209:LYS:HD2	6	0.12
(3,750)	1:A:207:ILE:HG23	1:B:209:LYS:HD3	6	0.12
(3,746)	1:A:165:VAL:HG21	1:B:202:THR:HB	10	0.12
(3,746)	1:A:165:VAL:HG22	1:B:202:THR:HB	10	0.12
(3,746)	1:A:165:VAL:HG23	1:B:202:THR:HB	10	0.12
(3,719)	1:B:149:LYS:HB2	1:B:153:VAL:HB	2	0.12
(3,719)	1:B:149:LYS:HB3	1:B:153:VAL:HB	2	0.12
(3,698)	1:B:196:LEU:HB2	1:B:196:LEU:HG	2	0.12
(3,698)	1:B:196:LEU:HB3	1:B:196:LEU:HG	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,698)	1:B:196:LEU:HB2	1:B:196:LEU:HG	7	0.12
(3,698)	1:B:196:LEU:HB3	1:B:196:LEU:HG	7	0.12
(3,697)	1:A:196:LEU:HB2	1:A:196:LEU:HG	1	0.12
(3,697)	1:A:196:LEU:HB3	1:A:196:LEU:HG	1	0.12
(3,694)	1:B:189:LEU:HD11	1:B:201:ARG:HB2	1	0.12
(3,694)	1:B:189:LEU:HD12	1:B:201:ARG:HB2	1	0.12
(3,694)	1:B:189:LEU:HD13	1:B:201:ARG:HB2	1	0.12
(3,69)	1:B:212:GLY:H	1:B:211:ASP:H	3	0.12
(3,69)	1:B:212:GLY:H	1:B:211:ASP:H	5	0.12
(3,69)	1:B:212:GLY:H	1:B:211:ASP:H	8	0.12
(3,68)	1:A:212:GLY:H	1:A:211:ASP:H	1	0.12
(3,668)	1:B:181:SER:HA	1:B:175:ALA:HB1	5	0.12
(3,668)	1:B:181:SER:HA	1:B:175:ALA:HB2	5	0.12
(3,668)	1:B:181:SER:HA	1:B:175:ALA:HB3	5	0.12
(3,667)	1:A:181:SER:HA	1:A:175:ALA:HB1	2	0.12
(3,667)	1:A:181:SER:HA	1:A:175:ALA:HB2	2	0.12
(3,667)	1:A:181:SER:HA	1:A:175:ALA:HB3	2	0.12
(3,649)	1:B:174:ILE:HA	1:B:164:GLU:HG3	7	0.12
(3,649)	1:B:174:ILE:HA	1:B:164:GLU:HG3	9	0.12
(3,639)	1:B:166:GLU:HG2	1:B:162:LEU:HG	1	0.12
(3,614)	1:B:159:CYS:HB2	1:B:159:CYS:HA	2	0.12
(3,614)	1:B:159:CYS:HB3	1:B:159:CYS:HA	2	0.12
(3,614)	1:B:159:CYS:HB2	1:B:159:CYS:HA	7	0.12
(3,614)	1:B:159:CYS:HB3	1:B:159:CYS:HA	7	0.12
(3,614)	1:B:159:CYS:HB2	1:B:159:CYS:HA	8	0.12
(3,614)	1:B:159:CYS:HB3	1:B:159:CYS:HA	8	0.12
(3,613)	1:A:159:CYS:HB2	1:A:159:CYS:HA	1	0.12
(3,613)	1:A:159:CYS:HB3	1:A:159:CYS:HA	1	0.12
(3,613)	1:A:159:CYS:HB2	1:A:159:CYS:HA	6	0.12
(3,613)	1:A:159:CYS:HB3	1:A:159:CYS:HA	6	0.12
(3,586)	1:B:213:VAL:HG21	1:B:213:VAL:HA	10	0.12
(3,586)	1:B:213:VAL:HG22	1:B:213:VAL:HA	10	0.12
(3,586)	1:B:213:VAL:HG23	1:B:213:VAL:HA	10	0.12
(3,580)	1:B:206:LEU:HD11	1:B:206:LEU:HA	3	0.12
(3,580)	1:B:206:LEU:HD12	1:B:206:LEU:HA	3	0.12
(3,580)	1:B:206:LEU:HD11	1:B:206:LEU:HA	4	0.12
(3,580)	1:B:206:LEU:HD12	1:B:206:LEU:HA	4	0.12
(3,580)	1:B:206:LEU:HD11	1:B:206:LEU:HA	8	0.12
(3,580)	1:B:206:LEU:HD12	1:B:206:LEU:HA	8	0.12
(3,570)	1:B:178:LEU:HD11	1:B:157:ARG:HD2	1	0.12
(3,570)	1:B:178:LEU:HD11	1:B:157:ARG:HD3	1	0.12
(3,570)	1:B:178:LEU:HD12	1:B:157:ARG:HD2	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,570)	1:B:178:LEU:HD12	1:B:157:ARG:HD3	1	0.12
(3,570)	1:B:178:LEU:HD13	1:B:157:ARG:HD2	1	0.12
(3,570)	1:B:178:LEU:HD13	1:B:157:ARG:HD3	1	0.12
(3,569)	1:A:178:LEU:HD11	1:A:157:ARG:HD2	9	0.12
(3,569)	1:A:178:LEU:HD11	1:A:157:ARG:HD3	9	0.12
(3,569)	1:A:178:LEU:HD12	1:A:157:ARG:HD2	9	0.12
(3,569)	1:A:178:LEU:HD12	1:A:157:ARG:HD3	9	0.12
(3,569)	1:A:178:LEU:HD13	1:A:157:ARG:HD2	9	0.12
(3,569)	1:A:178:LEU:HD13	1:A:157:ARG:HD3	9	0.12
(3,569)	1:A:178:LEU:HD11	1:A:157:ARG:HD2	10	0.12
(3,569)	1:A:178:LEU:HD11	1:A:157:ARG:HD3	10	0.12
(3,569)	1:A:178:LEU:HD12	1:A:157:ARG:HD2	10	0.12
(3,569)	1:A:178:LEU:HD12	1:A:157:ARG:HD3	10	0.12
(3,569)	1:A:178:LEU:HD13	1:A:157:ARG:HD2	10	0.12
(3,569)	1:A:178:LEU:HD13	1:A:157:ARG:HD3	10	0.12
(3,568)	1:B:189:LEU:HD21	1:B:185:ILE:HB	5	0.12
(3,568)	1:B:189:LEU:HD22	1:B:185:ILE:HB	5	0.12
(3,568)	1:B:189:LEU:HD21	1:B:185:ILE:HB	7	0.12
(3,568)	1:B:189:LEU:HD22	1:B:185:ILE:HB	7	0.12
(3,568)	1:B:189:LEU:HD21	1:B:185:ILE:HB	9	0.12
(3,568)	1:B:189:LEU:HD22	1:B:185:ILE:HB	9	0.12
(3,568)	1:B:189:LEU:HD21	1:B:185:ILE:HB	10	0.12
(3,568)	1:B:189:LEU:HD22	1:B:185:ILE:HB	10	0.12
(3,564)	1:B:157:ARG:HG3	1:B:157:ARG:HA	2	0.12
(3,564)	1:B:157:ARG:HG3	1:B:157:ARG:HA	4	0.12
(3,506)	1:B:201:ARG:HD2	1:B:201:ARG:HB2	2	0.12
(3,506)	1:B:201:ARG:HD2	1:B:201:ARG:HB3	2	0.12
(3,506)	1:B:201:ARG:HD3	1:B:201:ARG:HB2	2	0.12
(3,506)	1:B:201:ARG:HD3	1:B:201:ARG:HB3	2	0.12
(3,505)	1:A:201:ARG:HD2	1:A:201:ARG:HB2	2	0.12
(3,505)	1:A:201:ARG:HD2	1:A:201:ARG:HB3	2	0.12
(3,505)	1:A:201:ARG:HD3	1:A:201:ARG:HB2	2	0.12
(3,505)	1:A:201:ARG:HD3	1:A:201:ARG:HB3	2	0.12
(3,505)	1:A:201:ARG:HD2	1:A:201:ARG:HB2	9	0.12
(3,505)	1:A:201:ARG:HD2	1:A:201:ARG:HB3	9	0.12
(3,505)	1:A:201:ARG:HD3	1:A:201:ARG:HB2	9	0.12
(3,505)	1:A:201:ARG:HD3	1:A:201:ARG:HB3	9	0.12
(3,494)	1:B:149:LYS:HA	1:B:149:LYS:HG2	9	0.12
(3,494)	1:B:149:LYS:HA	1:B:149:LYS:HG3	9	0.12
(3,493)	1:A:149:LYS:HA	1:A:149:LYS:HG2	9	0.12
(3,493)	1:A:149:LYS:HA	1:A:149:LYS:HG3	9	0.12
(3,49)	1:B:184:SER:H	1:B:183:ARG:H	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,49)	1:B:184:SER:H	1:B:183:ARG:H	7	0.12
(3,49)	1:B:184:SER:H	1:B:183:ARG:H	9	0.12
(3,49)	1:B:184:SER:H	1:B:183:ARG:H	10	0.12
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG11	5	0.12
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG12	5	0.12
(3,488)	1:B:193:PHE:HA	1:B:198:VAL:HG13	5	0.12
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG11	2	0.12
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG12	2	0.12
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG13	2	0.12
(3,48)	1:A:184:SER:H	1:A:183:ARG:H	6	0.12
(3,48)	1:A:184:SER:H	1:A:183:ARG:H	7	0.12
(3,458)	1:B:174:ILE:HA	1:B:177:ALA:HB1	3	0.12
(3,458)	1:B:174:ILE:HA	1:B:177:ALA:HB3	3	0.12
(3,457)	1:A:174:ILE:HA	1:A:177:ALA:HB1	1	0.12
(3,457)	1:A:174:ILE:HA	1:A:177:ALA:HB2	1	0.12
(3,457)	1:A:174:ILE:HA	1:A:177:ALA:HB3	1	0.12
(3,457)	1:A:174:ILE:HA	1:A:177:ALA:HB1	8	0.12
(3,457)	1:A:174:ILE:HA	1:A:177:ALA:HB2	8	0.12
(3,457)	1:A:174:ILE:HA	1:A:177:ALA:HB3	8	0.12
(3,420)	1:B:171:ASN:H	1:B:201:ARG:HD2	9	0.12
(3,420)	1:B:171:ASN:H	1:B:201:ARG:HD3	9	0.12
(3,419)	1:A:171:ASN:H	1:A:201:ARG:HD2	7	0.12
(3,419)	1:A:171:ASN:H	1:A:201:ARG:HD3	7	0.12
(3,396)	1:B:166:GLU:H	1:B:166:GLU:HB3	3	0.12
(3,395)	1:A:166:GLU:H	1:A:166:GLU:HB3	3	0.12
(3,353)	1:A:182:LYS:H	1:A:182:LYS:HE3	1	0.12
(3,353)	1:A:182:LYS:H	1:A:182:LYS:HE3	4	0.12
(3,35)	1:B:164:GLU:H	1:B:163:GLN:HG3	1	0.12
(3,345)	1:B:173:GLU:H	1:B:170:THR:HG22	8	0.12
(3,345)	1:B:173:GLU:H	1:B:170:THR:HG23	8	0.12
(3,305)	1:B:170:THR:H	1:B:173:GLU:HG2	2	0.12
(3,305)	1:B:170:THR:H	1:B:173:GLU:HG2	8	0.12
(3,301)	1:B:191:SER:H	1:B:190:THR:HG21	1	0.12
(3,301)	1:B:191:SER:H	1:B:190:THR:HG22	1	0.12
(3,301)	1:B:191:SER:H	1:B:190:THR:HG21	3	0.12
(3,301)	1:B:191:SER:H	1:B:190:THR:HG22	3	0.12
(3,301)	1:B:191:SER:H	1:B:190:THR:HG21	6	0.12
(3,301)	1:B:191:SER:H	1:B:190:THR:HG22	6	0.12
(3,301)	1:B:191:SER:H	1:B:190:THR:HG21	8	0.12
(3,301)	1:B:191:SER:H	1:B:190:THR:HG22	8	0.12
(3,301)	1:B:191:SER:H	1:B:190:THR:HG21	9	0.12
(3,301)	1:B:191:SER:H	1:B:190:THR:HG22	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,300)	1:A:191:SER:H	1:A:190:THR:HG21	3	0.12
(3,300)	1:A:191:SER:H	1:A:190:THR:HG22	3	0.12
(3,300)	1:A:191:SER:H	1:A:190:THR:HG23	3	0.12
(3,300)	1:A:191:SER:H	1:A:190:THR:HG21	8	0.12
(3,300)	1:A:191:SER:H	1:A:190:THR:HG22	8	0.12
(3,300)	1:A:191:SER:H	1:A:190:THR:HG23	8	0.12
(3,300)	1:A:191:SER:H	1:A:190:THR:HG21	10	0.12
(3,300)	1:A:191:SER:H	1:A:190:THR:HG22	10	0.12
(3,300)	1:A:191:SER:H	1:A:190:THR:HG23	10	0.12
(3,291)	1:B:184:SER:H	1:B:181:SER:HB2	1	0.12
(3,291)	1:B:184:SER:H	1:B:181:SER:HB3	1	0.12
(3,241)	1:B:183:ARG:H	1:B:181:SER:HB3	4	0.12
(3,241)	1:B:183:ARG:H	1:B:181:SER:HB3	7	0.12
(3,241)	1:B:183:ARG:H	1:B:181:SER:HB3	10	0.12
(3,169)	1:B:187:TYR:H	1:B:186:GLU:HG2	2	0.12
(3,168)	1:A:187:TYR:H	1:A:186:GLU:HG2	5	0.12
(3,168)	1:A:187:TYR:H	1:A:186:GLU:HG2	9	0.12
(3,163)	1:B:192:ILE:H	1:B:191:SER:H	5	0.12
(3,1626)	1:A:151:GLN:HG2	1:A:162:LEU:HD21	10	0.12
(3,1626)	1:A:151:GLN:HG2	1:A:162:LEU:HD22	10	0.12
(3,1626)	1:A:151:GLN:HG2	1:A:162:LEU:HD23	10	0.12
(3,1626)	1:A:151:GLN:HG2	1:A:182:LYS:HG2	10	0.12
(3,1626)	1:A:151:GLN:HG2	1:A:196:LEU:HD11	10	0.12
(3,1626)	1:A:151:GLN:HG2	1:A:196:LEU:HD12	10	0.12
(3,1626)	1:A:151:GLN:HG2	1:A:196:LEU:HD13	10	0.12
(3,1626)	1:A:151:GLN:HG2	1:B:162:LEU:HD21	10	0.12
(3,1626)	1:A:151:GLN:HG2	1:B:182:LYS:HG2	10	0.12
(3,1626)	1:A:151:GLN:HG2	1:B:196:LEU:HD11	10	0.12
(3,1626)	1:A:163:GLN:HG3	1:A:162:LEU:HD21	10	0.12
(3,1626)	1:A:163:GLN:HG3	1:A:162:LEU:HD22	10	0.12
(3,1626)	1:A:163:GLN:HG3	1:A:162:LEU:HD23	10	0.12
(3,1626)	1:A:163:GLN:HG3	1:A:182:LYS:HG2	10	0.12
(3,1626)	1:A:163:GLN:HG3	1:A:196:LEU:HD11	10	0.12
(3,1626)	1:A:163:GLN:HG3	1:A:196:LEU:HD12	10	0.12
(3,1626)	1:A:163:GLN:HG3	1:A:196:LEU:HD13	10	0.12
(3,1626)	1:A:163:GLN:HG3	1:B:162:LEU:HD21	10	0.12
(3,1626)	1:A:163:GLN:HG3	1:B:182:LYS:HG2	10	0.12
(3,1626)	1:A:163:GLN:HG3	1:B:196:LEU:HD11	10	0.12
(3,1626)	1:A:172:GLN:HG2	1:A:162:LEU:HD21	10	0.12
(3,1626)	1:A:172:GLN:HG2	1:A:162:LEU:HD22	10	0.12
(3,1626)	1:A:172:GLN:HG2	1:A:162:LEU:HD23	10	0.12
(3,1626)	1:A:172:GLN:HG2	1:A:182:LYS:HG2	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1626)	1:A:172:GLN:HG2	1:A:196:LEU:HD11	10	0.12
(3,1626)	1:A:172:GLN:HG2	1:A:196:LEU:HD12	10	0.12
(3,1626)	1:A:172:GLN:HG2	1:A:196:LEU:HD13	10	0.12
(3,1626)	1:A:172:GLN:HG2	1:B:162:LEU:HD21	10	0.12
(3,1626)	1:A:172:GLN:HG2	1:B:182:LYS:HG2	10	0.12
(3,1626)	1:A:172:GLN:HG2	1:B:196:LEU:HD11	10	0.12
(3,1626)	1:B:151:GLN:HG2	1:A:162:LEU:HD21	10	0.12
(3,1626)	1:B:151:GLN:HG2	1:A:162:LEU:HD22	10	0.12
(3,1626)	1:B:151:GLN:HG2	1:A:162:LEU:HD23	10	0.12
(3,1626)	1:B:151:GLN:HG2	1:A:182:LYS:HG2	10	0.12
(3,1626)	1:B:151:GLN:HG2	1:A:196:LEU:HD11	10	0.12
(3,1626)	1:B:151:GLN:HG2	1:A:196:LEU:HD12	10	0.12
(3,1626)	1:B:151:GLN:HG2	1:A:196:LEU:HD13	10	0.12
(3,1626)	1:B:151:GLN:HG2	1:B:162:LEU:HD21	10	0.12
(3,1626)	1:B:151:GLN:HG2	1:B:182:LYS:HG2	10	0.12
(3,1626)	1:B:151:GLN:HG2	1:B:196:LEU:HD11	10	0.12
(3,1626)	1:B:163:GLN:HG3	1:A:162:LEU:HD21	10	0.12
(3,1626)	1:B:163:GLN:HG3	1:A:162:LEU:HD22	10	0.12
(3,1626)	1:B:163:GLN:HG3	1:A:162:LEU:HD23	10	0.12
(3,1626)	1:B:163:GLN:HG3	1:A:182:LYS:HG2	10	0.12
(3,1626)	1:B:163:GLN:HG3	1:A:196:LEU:HD11	10	0.12
(3,1626)	1:B:163:GLN:HG3	1:A:196:LEU:HD12	10	0.12
(3,1626)	1:B:163:GLN:HG3	1:A:196:LEU:HD13	10	0.12
(3,1626)	1:B:163:GLN:HG3	1:B:162:LEU:HD21	10	0.12
(3,1626)	1:B:163:GLN:HG3	1:B:182:LYS:HG2	10	0.12
(3,1626)	1:B:163:GLN:HG3	1:B:196:LEU:HD11	10	0.12
(3,1626)	1:B:172:GLN:HG2	1:A:162:LEU:HD21	10	0.12
(3,1626)	1:B:172:GLN:HG2	1:A:162:LEU:HD22	10	0.12
(3,1626)	1:B:172:GLN:HG2	1:A:162:LEU:HD23	10	0.12
(3,1626)	1:B:172:GLN:HG2	1:A:182:LYS:HG2	10	0.12
(3,1626)	1:B:172:GLN:HG2	1:A:196:LEU:HD11	10	0.12
(3,1626)	1:B:172:GLN:HG2	1:A:196:LEU:HD12	10	0.12
(3,1626)	1:B:172:GLN:HG2	1:A:196:LEU:HD13	10	0.12
(3,1626)	1:B:172:GLN:HG2	1:B:162:LEU:HD21	10	0.12
(3,1626)	1:B:172:GLN:HG2	1:B:182:LYS:HG2	10	0.12
(3,1626)	1:B:172:GLN:HG2	1:B:196:LEU:HD11	10	0.12
(3,1465)	1:A:179:HIS:HB2	1:A:179:HIS:HA	7	0.12
(3,1465)	1:A:179:HIS:HB2	1:B:151:GLN:HA	7	0.12
(3,1465)	1:A:179:HIS:HB2	1:B:179:HIS:HA	7	0.12
(3,1465)	1:B:151:GLN:HG2	1:A:179:HIS:HA	7	0.12
(3,1465)	1:B:151:GLN:HG2	1:B:151:GLN:HA	7	0.12
(3,1465)	1:B:151:GLN:HG2	1:B:179:HIS:HA	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1465)	1:B:179:HIS:HB2	1:A:179:HIS:HA	7	0.12
(3,1465)	1:B:179:HIS:HB2	1:B:151:GLN:HA	7	0.12
(3,1465)	1:B:179:HIS:HB2	1:B:179:HIS:HA	7	0.12
(3,144)	1:B:149:LYS:H	1:B:149:LYS:HB2	9	0.12
(3,1402)	1:A:170:THR:HA	1:A:202:THR:HA	5	0.12
(3,1402)	1:A:170:THR:HA	1:B:181:SER:HB2	5	0.12
(3,1402)	1:A:170:THR:HA	1:B:202:THR:HA	5	0.12
(3,1402)	1:B:170:THR:HA	1:A:202:THR:HA	5	0.12
(3,1402)	1:B:170:THR:HA	1:B:181:SER:HB2	5	0.12
(3,1402)	1:B:170:THR:HA	1:B:202:THR:HA	5	0.12
(3,1402)	1:B:180:LEU:HA	1:A:202:THR:HA	5	0.12
(3,1402)	1:B:180:LEU:HA	1:B:181:SER:HB2	5	0.12
(3,1402)	1:B:180:LEU:HA	1:B:202:THR:HA	5	0.12
(3,1390)	1:A:158:GLU:HG3	1:A:161:ILE:HA	7	0.12
(3,1390)	1:A:158:GLU:HG3	1:A:165:VAL:HA	7	0.12
(3,1390)	1:A:158:GLU:HG3	1:A:192:ILE:HA	7	0.12
(3,1390)	1:A:158:GLU:HG3	1:B:161:ILE:HA	7	0.12
(3,1390)	1:A:158:GLU:HG3	1:B:165:VAL:HA	7	0.12
(3,1390)	1:A:158:GLU:HG3	1:B:192:ILE:HA	7	0.12
(3,1390)	1:A:164:GLU:HB3	1:A:161:ILE:HA	7	0.12
(3,1390)	1:A:164:GLU:HB3	1:A:165:VAL:HA	7	0.12
(3,1390)	1:A:164:GLU:HB3	1:A:192:ILE:HA	7	0.12
(3,1390)	1:A:164:GLU:HB3	1:B:161:ILE:HA	7	0.12
(3,1390)	1:A:164:GLU:HB3	1:B:165:VAL:HA	7	0.12
(3,1390)	1:A:164:GLU:HB3	1:B:192:ILE:HA	7	0.12
(3,1390)	1:A:174:ILE:HB	1:A:161:ILE:HA	7	0.12
(3,1390)	1:A:174:ILE:HB	1:A:165:VAL:HA	7	0.12
(3,1390)	1:A:174:ILE:HB	1:A:192:ILE:HA	7	0.12
(3,1390)	1:A:174:ILE:HB	1:B:161:ILE:HA	7	0.12
(3,1390)	1:A:174:ILE:HB	1:B:165:VAL:HA	7	0.12
(3,1390)	1:A:174:ILE:HB	1:B:192:ILE:HA	7	0.12
(3,1390)	1:A:205:VAL:HB	1:A:161:ILE:HA	7	0.12
(3,1390)	1:A:205:VAL:HB	1:A:165:VAL:HA	7	0.12
(3,1390)	1:A:205:VAL:HB	1:A:192:ILE:HA	7	0.12
(3,1390)	1:A:205:VAL:HB	1:B:161:ILE:HA	7	0.12
(3,1390)	1:A:205:VAL:HB	1:B:165:VAL:HA	7	0.12
(3,1390)	1:A:205:VAL:HB	1:B:192:ILE:HA	7	0.12
(3,1390)	1:B:164:GLU:HB3	1:A:161:ILE:HA	7	0.12
(3,1390)	1:B:164:GLU:HB3	1:A:165:VAL:HA	7	0.12
(3,1390)	1:B:164:GLU:HB3	1:A:192:ILE:HA	7	0.12
(3,1390)	1:B:164:GLU:HB3	1:B:161:ILE:HA	7	0.12
(3,1390)	1:B:164:GLU:HB3	1:B:165:VAL:HA	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1390)	1:B:164:GLU:HB3	1:B:192:ILE:HA	7	0.12
(3,1390)	1:B:174:ILE:HB	1:A:161:ILE:HA	7	0.12
(3,1390)	1:B:174:ILE:HB	1:A:165:VAL:HA	7	0.12
(3,1390)	1:B:174:ILE:HB	1:A:192:ILE:HA	7	0.12
(3,1390)	1:B:174:ILE:HB	1:B:161:ILE:HA	7	0.12
(3,1390)	1:B:174:ILE:HB	1:B:165:VAL:HA	7	0.12
(3,1390)	1:B:174:ILE:HB	1:B:192:ILE:HA	7	0.12
(3,1390)	1:B:198:VAL:HB	1:A:161:ILE:HA	7	0.12
(3,1390)	1:B:198:VAL:HB	1:A:165:VAL:HA	7	0.12
(3,1390)	1:B:198:VAL:HB	1:A:192:ILE:HA	7	0.12
(3,1390)	1:B:198:VAL:HB	1:B:161:ILE:HA	7	0.12
(3,1390)	1:B:198:VAL:HB	1:B:165:VAL:HA	7	0.12
(3,1390)	1:B:198:VAL:HB	1:B:192:ILE:HA	7	0.12
(3,1390)	1:B:205:VAL:HB	1:A:161:ILE:HA	7	0.12
(3,1390)	1:B:205:VAL:HB	1:A:165:VAL:HA	7	0.12
(3,1390)	1:B:205:VAL:HB	1:A:192:ILE:HA	7	0.12
(3,1390)	1:B:205:VAL:HB	1:B:161:ILE:HA	7	0.12
(3,1390)	1:B:205:VAL:HB	1:B:165:VAL:HA	7	0.12
(3,1390)	1:B:205:VAL:HB	1:B:192:ILE:HA	7	0.12
(3,1385)	1:B:204:ALA:HA	1:B:162:LEU:HD12	1	0.12
(3,1385)	1:B:204:ALA:HA	1:B:196:LEU:HD11	1	0.12
(3,1385)	1:B:204:ALA:HA	1:B:196:LEU:HD12	1	0.12
(3,1385)	1:B:204:ALA:HA	1:B:196:LEU:HD13	1	0.12
(3,1366)	1:A:151:GLN:HA	1:A:154:LEU:HG	3	0.12
(3,1366)	1:A:151:GLN:HA	1:A:196:LEU:HG	3	0.12
(3,1323)	1:A:187:TYR:HA	1:A:190:THR:H	8	0.12
(3,1323)	1:A:187:TYR:HA	1:B:190:THR:H	8	0.12
(3,1323)	1:B:187:TYR:HA	1:A:190:THR:H	8	0.12
(3,1323)	1:B:187:TYR:HA	1:B:190:THR:H	8	0.12
(3,1323)	1:B:188:SER:HA	1:A:190:THR:H	8	0.12
(3,1323)	1:B:188:SER:HA	1:B:190:THR:H	8	0.12
(3,1302)	1:A:172:GLN:HG2	1:A:173:GLU:H	1	0.12
(3,1302)	1:A:172:GLN:HG2	1:B:173:GLU:H	1	0.12
(3,1302)	1:A:173:GLU:HG3	1:A:173:GLU:H	1	0.12
(3,1302)	1:A:173:GLU:HG3	1:B:173:GLU:H	1	0.12
(3,1302)	1:B:173:GLU:HG3	1:A:173:GLU:H	1	0.12
(3,1302)	1:B:173:GLU:HG3	1:B:173:GLU:H	1	0.12
(3,1302)	1:A:172:GLN:HG2	1:A:173:GLU:H	8	0.12
(3,1302)	1:A:172:GLN:HG2	1:B:173:GLU:H	8	0.12
(3,1302)	1:A:173:GLU:HG3	1:A:173:GLU:H	8	0.12
(3,1302)	1:A:173:GLU:HG3	1:B:173:GLU:H	8	0.12
(3,1302)	1:B:173:GLU:HG3	1:A:173:GLU:H	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1302)	1:B:173:GLU:HG3	1:B:173:GLU:H	8	0.12
(3,1280)	1:A:149:LYS:HE3	1:A:152:ASP:H	2	0.12
(3,1280)	1:A:149:LYS:HE3	1:B:152:ASP:H	2	0.12
(3,1280)	1:A:149:LYS:HE3	1:B:207:ILE:H	2	0.12
(3,1280)	1:A:151:GLN:HG2	1:A:152:ASP:H	2	0.12
(3,1280)	1:A:151:GLN:HG2	1:B:152:ASP:H	2	0.12
(3,1280)	1:A:151:GLN:HG2	1:B:207:ILE:H	2	0.12
(3,1280)	1:B:149:LYS:HE3	1:A:152:ASP:H	2	0.12
(3,1280)	1:B:149:LYS:HE3	1:B:152:ASP:H	2	0.12
(3,1280)	1:B:149:LYS:HE3	1:B:207:ILE:H	2	0.12
(3,1280)	1:B:151:GLN:HG2	1:A:152:ASP:H	2	0.12
(3,1280)	1:B:151:GLN:HG2	1:B:152:ASP:H	2	0.12
(3,1280)	1:B:151:GLN:HG2	1:B:207:ILE:H	2	0.12
(3,1280)	1:B:203:GLU:HG2	1:A:152:ASP:H	2	0.12
(3,1280)	1:B:203:GLU:HG2	1:B:152:ASP:H	2	0.12
(3,1280)	1:B:203:GLU:HG2	1:B:207:ILE:H	2	0.12
(3,126)	1:B:149:LYS:H	1:B:148:GLN:HB2	1	0.12
(3,1230)	1:A:152:ASP:HB2	1:A:149:LYS:H	5	0.12
(3,1230)	1:A:152:ASP:HB2	1:A:166:GLU:H	5	0.12
(3,1230)	1:A:152:ASP:HB2	1:B:149:LYS:H	5	0.12
(3,1230)	1:A:152:ASP:HB2	1:B:166:GLU:H	5	0.12
(3,1230)	1:A:163:GLN:HG2	1:A:149:LYS:H	5	0.12
(3,1230)	1:A:163:GLN:HG2	1:A:166:GLU:H	5	0.12
(3,1230)	1:A:163:GLN:HG2	1:B:149:LYS:H	5	0.12
(3,1230)	1:A:163:GLN:HG2	1:B:166:GLU:H	5	0.12
(3,1230)	1:A:164:GLU:HG2	1:A:149:LYS:H	5	0.12
(3,1230)	1:A:164:GLU:HG2	1:A:166:GLU:H	5	0.12
(3,1230)	1:A:164:GLU:HG2	1:B:149:LYS:H	5	0.12
(3,1230)	1:A:164:GLU:HG2	1:B:166:GLU:H	5	0.12
(3,1230)	1:B:152:ASP:HB2	1:A:149:LYS:H	5	0.12
(3,1230)	1:B:152:ASP:HB2	1:A:166:GLU:H	5	0.12
(3,1230)	1:B:152:ASP:HB2	1:B:149:LYS:H	5	0.12
(3,1230)	1:B:152:ASP:HB2	1:B:166:GLU:H	5	0.12
(3,1230)	1:B:163:GLN:HG2	1:A:149:LYS:H	5	0.12
(3,1230)	1:B:163:GLN:HG2	1:A:166:GLU:H	5	0.12
(3,1230)	1:B:163:GLN:HG2	1:B:149:LYS:H	5	0.12
(3,1230)	1:B:163:GLN:HG2	1:B:166:GLU:H	5	0.12
(3,1230)	1:B:164:GLU:HG2	1:A:149:LYS:H	5	0.12
(3,1230)	1:B:164:GLU:HG2	1:A:166:GLU:H	5	0.12
(3,1230)	1:B:164:GLU:HG2	1:B:149:LYS:H	5	0.12
(3,1230)	1:B:164:GLU:HG2	1:B:166:GLU:H	5	0.12
(3,1207)	1:A:164:GLU:HG2	1:A:175:ALA:H	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1207)	1:A:164:GLU:HG2	1:B:175:ALA:H	8	0.12
(3,1207)	1:A:176:ASP:HB2	1:A:175:ALA:H	8	0.12
(3,1207)	1:A:176:ASP:HB2	1:B:175:ALA:H	8	0.12
(3,1207)	1:B:176:ASP:HB2	1:A:175:ALA:H	8	0.12
(3,1207)	1:B:176:ASP:HB2	1:B:175:ALA:H	8	0.12
(3,1170)	1:A:200:SER:HA	1:A:203:GLU:H	4	0.12
(3,1170)	1:A:200:SER:HA	1:B:203:GLU:H	4	0.12
(3,1170)	1:B:200:SER:HA	1:A:203:GLU:H	4	0.12
(3,1170)	1:B:200:SER:HA	1:B:203:GLU:H	4	0.12
(3,1170)	1:A:200:SER:HA	1:A:203:GLU:H	10	0.12
(3,1170)	1:A:200:SER:HA	1:B:203:GLU:H	10	0.12
(3,1170)	1:B:200:SER:HA	1:A:203:GLU:H	10	0.12
(3,1170)	1:B:200:SER:HA	1:B:203:GLU:H	10	0.12
(3,1152)	1:A:157:ARG:HB2	1:A:160:LEU:H	5	0.12
(3,1152)	1:A:157:ARG:HB2	1:B:160:LEU:H	5	0.12
(3,1152)	1:A:158:GLU:HG3	1:A:160:LEU:H	5	0.12
(3,1152)	1:A:158:GLU:HG3	1:B:160:LEU:H	5	0.12
(3,1152)	1:A:163:GLN:HB2	1:A:160:LEU:H	5	0.12
(3,1152)	1:A:163:GLN:HB2	1:B:160:LEU:H	5	0.12
(3,1152)	1:B:157:ARG:HB2	1:A:160:LEU:H	5	0.12
(3,1152)	1:B:157:ARG:HB2	1:B:160:LEU:H	5	0.12
(3,1152)	1:B:158:GLU:HG3	1:A:160:LEU:H	5	0.12
(3,1152)	1:B:158:GLU:HG3	1:B:160:LEU:H	5	0.12
(3,1145)	1:A:207:ILE:HG13	1:A:207:ILE:H	1	0.12
(3,1145)	1:A:207:ILE:HG13	1:B:207:ILE:H	1	0.12
(3,1145)	1:B:207:ILE:HG13	1:A:207:ILE:H	1	0.12
(3,1145)	1:B:207:ILE:HG13	1:B:207:ILE:H	1	0.12
(3,1121)	1:A:157:ARG:HB2	1:A:162:LEU:H	2	0.12
(3,1121)	1:A:157:ARG:HB2	1:B:162:LEU:H	2	0.12
(3,1121)	1:A:158:GLU:HG3	1:A:162:LEU:H	2	0.12
(3,1121)	1:A:158:GLU:HG3	1:B:162:LEU:H	2	0.12
(3,1121)	1:A:163:GLN:HB2	1:A:162:LEU:H	2	0.12
(3,1121)	1:A:163:GLN:HB2	1:B:162:LEU:H	2	0.12
(3,1121)	1:A:166:GLU:HG2	1:A:162:LEU:H	2	0.12
(3,1121)	1:A:166:GLU:HG2	1:B:162:LEU:H	2	0.12
(3,1121)	1:A:192:ILE:HB	1:A:162:LEU:H	2	0.12
(3,1121)	1:A:192:ILE:HB	1:B:162:LEU:H	2	0.12
(3,1121)	1:B:151:GLN:HB2	1:A:162:LEU:H	2	0.12
(3,1121)	1:B:151:GLN:HB2	1:B:162:LEU:H	2	0.12
(3,1121)	1:B:158:GLU:HG3	1:A:162:LEU:H	2	0.12
(3,1121)	1:B:158:GLU:HG3	1:B:162:LEU:H	2	0.12
(3,1121)	1:B:163:GLN:HB2	1:A:162:LEU:H	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1121)	1:B:163:GLN:HB2	1:B:162:LEU:H	2	0.12
(3,1121)	1:B:166:GLU:HG2	1:A:162:LEU:H	2	0.12
(3,1121)	1:B:166:GLU:HG2	1:B:162:LEU:H	2	0.12
(3,1121)	1:B:192:ILE:HB	1:A:162:LEU:H	2	0.12
(3,1121)	1:B:192:ILE:HB	1:B:162:LEU:H	2	0.12
(3,1102)	1:A:174:ILE:H	1:A:172:GLN:H	2	0.12
(3,1102)	1:A:174:ILE:H	1:B:172:GLN:H	2	0.12
(3,1102)	1:B:174:ILE:H	1:A:172:GLN:H	2	0.12
(3,1102)	1:B:174:ILE:H	1:B:172:GLN:H	2	0.12
(3,1102)	1:A:174:ILE:H	1:A:172:GLN:H	10	0.12
(3,1102)	1:A:174:ILE:H	1:B:172:GLN:H	10	0.12
(3,1102)	1:B:174:ILE:H	1:A:172:GLN:H	10	0.12
(3,1102)	1:B:174:ILE:H	1:B:172:GLN:H	10	0.12
(3,1065)	1:A:212:GLY:HA3	1:A:212:GLY:H	8	0.12
(3,1065)	1:A:212:GLY:HA3	1:B:212:GLY:H	8	0.12
(3,1065)	1:B:212:GLY:HA3	1:A:212:GLY:H	8	0.12
(3,1065)	1:B:212:GLY:HA3	1:B:212:GLY:H	8	0.12
(3,1065)	1:A:212:GLY:HA3	1:A:212:GLY:H	9	0.12
(3,1065)	1:A:212:GLY:HA3	1:B:212:GLY:H	9	0.12
(3,1065)	1:B:212:GLY:HA3	1:A:212:GLY:H	9	0.12
(3,1065)	1:B:212:GLY:HA3	1:B:212:GLY:H	9	0.12
(3,1065)	1:A:212:GLY:HA3	1:A:212:GLY:H	10	0.12
(3,1065)	1:A:212:GLY:HA3	1:B:212:GLY:H	10	0.12
(3,1065)	1:B:212:GLY:HA3	1:A:212:GLY:H	10	0.12
(3,1065)	1:B:212:GLY:HA3	1:B:212:GLY:H	10	0.12
(3,100)	1:B:182:LYS:H	1:B:181:SER:HA	4	0.12
(3,100)	1:B:182:LYS:H	1:B:181:SER:HA	7	0.12
(2,95)	1:B:206:LEU:O	1:B:210:SER:H	3	0.12
(2,83)	1:B:201:ARG:O	1:B:205:VAL:H	8	0.12
(2,81)	1:A:201:ARG:O	1:A:205:VAL:H	2	0.12
(2,4)	1:B:155:THR:O	1:B:159:CYS:H	10	0.12
(2,32)	1:B:162:LEU:O	1:B:166:GLU:H	5	0.12
(2,30)	1:A:162:LEU:O	1:A:166:GLU:H	2	0.12
(2,30)	1:A:162:LEU:O	1:A:166:GLU:H	4	0.12
(2,30)	1:A:162:LEU:O	1:A:166:GLU:H	5	0.12
(2,24)	1:B:160:LEU:O	1:B:164:GLU:H	4	0.12
(2,24)	1:B:160:LEU:O	1:B:164:GLU:H	5	0.12
(2,22)	1:A:160:LEU:O	1:A:164:GLU:H	4	0.12
(2,22)	1:A:160:LEU:O	1:A:164:GLU:H	8	0.12
(2,12)	1:B:157:ARG:O	1:B:161:ILE:H	1	0.12
(2,12)	1:B:157:ARG:O	1:B:161:ILE:H	3	0.12
(2,12)	1:B:157:ARG:O	1:B:161:ILE:H	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,10)	1:A:157:ARG:O	1:A:161:ILE:H	2	0.12
(2,10)	1:A:157:ARG:O	1:A:161:ILE:H	4	0.12
(2,10)	1:A:157:ARG:O	1:A:161:ILE:H	5	0.12
(1,931)	1:A:199:GLY:H	1:A:204:ALA:HA	8	0.12
(1,899)	1:B:198:VAL:H	1:B:207:ILE:HG21	7	0.12
(1,899)	1:B:198:VAL:H	1:B:207:ILE:HG22	7	0.12
(1,899)	1:B:198:VAL:H	1:B:207:ILE:HG23	7	0.12
(1,898)	1:A:198:VAL:H	1:A:207:ILE:HG21	3	0.12
(1,898)	1:A:198:VAL:H	1:A:207:ILE:HG22	3	0.12
(1,898)	1:A:198:VAL:H	1:A:207:ILE:HG23	3	0.12
(1,898)	1:A:198:VAL:H	1:A:207:ILE:HG21	6	0.12
(1,898)	1:A:198:VAL:H	1:A:207:ILE:HG22	6	0.12
(1,898)	1:A:198:VAL:H	1:A:207:ILE:HG23	6	0.12
(1,733)	1:B:173:GLU:H	1:B:169:PHE:HA	2	0.12
(1,733)	1:B:173:GLU:H	1:B:169:PHE:HA	10	0.12
(1,518)	1:B:191:SER:H	1:B:186:GLU:HA	3	0.12
(1,517)	1:A:191:SER:H	1:A:186:GLU:HA	1	0.12
(1,243)	1:B:152:ASP:H	1:B:154:LEU:HA	10	0.12
(1,242)	1:A:152:ASP:H	1:A:154:LEU:HA	1	0.12
(1,1886)	1:B:154:LEU:HB2	1:B:157:ARG:HA	3	0.12
(1,1886)	1:B:154:LEU:HB2	1:B:162:LEU:HA	3	0.12
(1,1886)	1:B:154:LEU:HB3	1:B:157:ARG:HA	3	0.12
(1,1886)	1:B:154:LEU:HB3	1:B:162:LEU:HA	3	0.12
(1,1886)	1:B:154:LEU:HB2	1:B:157:ARG:HA	4	0.12
(1,1886)	1:B:154:LEU:HB2	1:B:162:LEU:HA	4	0.12
(1,1886)	1:B:154:LEU:HB3	1:B:157:ARG:HA	4	0.12
(1,1886)	1:B:154:LEU:HB3	1:B:162:LEU:HA	4	0.12
(1,1886)	1:B:154:LEU:HB2	1:B:157:ARG:HA	6	0.12
(1,1886)	1:B:154:LEU:HB2	1:B:162:LEU:HA	6	0.12
(1,1886)	1:B:154:LEU:HB3	1:B:157:ARG:HA	6	0.12
(1,1886)	1:B:154:LEU:HB3	1:B:162:LEU:HA	6	0.12
(1,1885)	1:A:154:LEU:HB2	1:A:157:ARG:HA	3	0.12
(1,1885)	1:A:154:LEU:HB2	1:A:162:LEU:HA	3	0.12
(1,1885)	1:A:154:LEU:HB3	1:A:157:ARG:HA	3	0.12
(1,1885)	1:A:154:LEU:HB3	1:A:162:LEU:HA	3	0.12
(1,1763)	1:A:211:ASP:HA	1:A:146:SER:H	5	0.12
(1,1763)	1:A:211:ASP:HA	1:A:209:LYS:H	5	0.12
(1,1763)	1:A:211:ASP:HA	1:B:146:SER:H	5	0.12
(1,1763)	1:A:211:ASP:HA	1:B:209:LYS:H	5	0.12
(1,1763)	1:B:211:ASP:HA	1:A:146:SER:H	5	0.12
(1,1763)	1:B:211:ASP:HA	1:A:209:LYS:H	5	0.12
(1,1763)	1:B:211:ASP:HA	1:B:146:SER:H	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1763)	1:B:211:ASP:HA	1:B:209:LYS:H	5	0.12
(1,1763)	1:A:211:ASP:HA	1:A:146:SER:H	7	0.12
(1,1763)	1:A:211:ASP:HA	1:A:209:LYS:H	7	0.12
(1,1763)	1:A:211:ASP:HA	1:B:146:SER:H	7	0.12
(1,1763)	1:A:211:ASP:HA	1:B:209:LYS:H	7	0.12
(1,1763)	1:B:211:ASP:HA	1:A:146:SER:H	7	0.12
(1,1763)	1:B:211:ASP:HA	1:A:209:LYS:H	7	0.12
(1,1763)	1:B:211:ASP:HA	1:B:146:SER:H	7	0.12
(1,1763)	1:B:211:ASP:HA	1:B:209:LYS:H	7	0.12
(1,1763)	1:A:211:ASP:HA	1:A:146:SER:H	10	0.12
(1,1763)	1:A:211:ASP:HA	1:A:209:LYS:H	10	0.12
(1,1763)	1:A:211:ASP:HA	1:B:146:SER:H	10	0.12
(1,1763)	1:A:211:ASP:HA	1:B:209:LYS:H	10	0.12
(1,1763)	1:B:211:ASP:HA	1:A:146:SER:H	10	0.12
(1,1763)	1:B:211:ASP:HA	1:A:209:LYS:H	10	0.12
(1,1763)	1:B:211:ASP:HA	1:B:146:SER:H	10	0.12
(1,1763)	1:B:211:ASP:HA	1:B:209:LYS:H	10	0.12
(1,1474)	1:B:162:LEU:HD21	1:B:165:VAL:HB	6	0.12
(1,1474)	1:B:162:LEU:HD22	1:B:165:VAL:HB	6	0.12
(1,1474)	1:B:162:LEU:HD23	1:B:165:VAL:HB	6	0.12
(1,1474)	1:B:162:LEU:HD21	1:B:165:VAL:HB	9	0.12
(1,1474)	1:B:162:LEU:HD22	1:B:165:VAL:HB	9	0.12
(1,1474)	1:B:162:LEU:HD23	1:B:165:VAL:HB	9	0.12
(1,1430)	1:B:178:LEU:HD21	1:B:164:GLU:HA	3	0.12
(1,1430)	1:B:178:LEU:HD22	1:B:164:GLU:HA	3	0.12
(1,1430)	1:B:178:LEU:HD23	1:B:164:GLU:HA	3	0.12
(1,1430)	1:B:178:LEU:HD21	1:B:164:GLU:HA	4	0.12
(1,1430)	1:B:178:LEU:HD22	1:B:164:GLU:HA	4	0.12
(1,1430)	1:B:178:LEU:HD23	1:B:164:GLU:HA	4	0.12
(1,1392)	1:B:206:LEU:HD11	1:A:167:LYS:HD2	3	0.12
(1,1392)	1:B:206:LEU:HD11	1:A:167:LYS:HD3	3	0.12
(1,1392)	1:B:206:LEU:HD12	1:A:167:LYS:HD2	3	0.12
(1,1392)	1:B:206:LEU:HD12	1:A:167:LYS:HD3	3	0.12
(1,1392)	1:B:206:LEU:HD13	1:A:167:LYS:HD2	3	0.12
(1,1392)	1:B:206:LEU:HD13	1:A:167:LYS:HD3	3	0.12
(1,1392)	1:B:206:LEU:HD11	1:A:167:LYS:HD2	4	0.12
(1,1392)	1:B:206:LEU:HD11	1:A:167:LYS:HD3	4	0.12
(1,1392)	1:B:206:LEU:HD12	1:A:167:LYS:HD2	4	0.12
(1,1392)	1:B:206:LEU:HD12	1:A:167:LYS:HD3	4	0.12
(1,1392)	1:B:206:LEU:HD13	1:A:167:LYS:HD2	4	0.12
(1,1392)	1:B:206:LEU:HD13	1:A:167:LYS:HD3	4	0.12
(1,1268)	1:A:196:LEU:HA	1:A:154:LEU:HB2	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:A:196:LEU:HA	1:A:154:LEU:HB3	5	0.12
(1,1253)	1:B:151:GLN:HA	1:B:149:LYS:HE2	9	0.12
(1,1253)	1:B:151:GLN:HA	1:B:149:LYS:HE3	9	0.12
(1,1252)	1:A:151:GLN:HA	1:A:149:LYS:HE2	9	0.12
(1,1252)	1:A:151:GLN:HA	1:A:149:LYS:HE3	9	0.12
(1,1211)	1:B:213:VAL:HA	1:B:151:GLN:HB2	1	0.12
(1,1211)	1:B:213:VAL:HA	1:B:151:GLN:HB3	1	0.12
(1,1211)	1:B:213:VAL:HA	1:B:151:GLN:HB2	6	0.12
(1,1211)	1:B:213:VAL:HA	1:B:151:GLN:HB3	6	0.12
(1,1210)	1:A:213:VAL:HA	1:A:151:GLN:HB2	3	0.12
(1,1210)	1:A:213:VAL:HA	1:A:151:GLN:HB3	3	0.12
(1,1210)	1:A:213:VAL:HA	1:A:151:GLN:HB2	4	0.12
(1,1210)	1:A:213:VAL:HA	1:A:151:GLN:HB3	4	0.12
(1,1097)	1:A:177:ALA:H	1:A:182:LYS:HD2	3	0.12
(1,1097)	1:A:177:ALA:H	1:A:182:LYS:HD3	3	0.12
(1,1092)	1:B:166:GLU:H	1:B:167:LYS:HD2	10	0.12
(1,1092)	1:B:166:GLU:H	1:B:167:LYS:HD3	10	0.12
(3,99)	1:A:182:LYS:H	1:A:181:SER:HA	4	0.11
(3,99)	1:A:182:LYS:H	1:A:181:SER:HA	8	0.11
(3,982)	1:A:180:LEU:HB3	1:A:181:SER:H	1	0.11
(3,982)	1:A:180:LEU:HB3	1:B:181:SER:H	1	0.11
(3,982)	1:B:180:LEU:HB3	1:A:181:SER:H	1	0.11
(3,982)	1:B:180:LEU:HB3	1:B:181:SER:H	1	0.11
(3,977)	1:A:190:THR:HA	1:A:190:THR:H	1	0.11
(3,977)	1:A:190:THR:HA	1:B:190:THR:H	1	0.11
(3,977)	1:B:190:THR:HA	1:A:190:THR:H	1	0.11
(3,977)	1:B:190:THR:HA	1:B:190:THR:H	1	0.11
(3,977)	1:A:190:THR:HA	1:A:190:THR:H	2	0.11
(3,977)	1:A:190:THR:HA	1:B:190:THR:H	2	0.11
(3,977)	1:B:190:THR:HA	1:A:190:THR:H	2	0.11
(3,977)	1:B:190:THR:HA	1:B:190:THR:H	2	0.11
(3,977)	1:A:190:THR:HA	1:A:190:THR:H	3	0.11
(3,977)	1:A:190:THR:HA	1:B:190:THR:H	3	0.11
(3,977)	1:B:190:THR:HA	1:A:190:THR:H	3	0.11
(3,977)	1:B:190:THR:HA	1:B:190:THR:H	3	0.11
(3,977)	1:A:190:THR:HA	1:A:190:THR:H	6	0.11
(3,977)	1:A:190:THR:HA	1:B:190:THR:H	6	0.11
(3,977)	1:B:190:THR:HA	1:A:190:THR:H	6	0.11
(3,977)	1:B:190:THR:HA	1:B:190:THR:H	6	0.11
(3,977)	1:A:190:THR:HA	1:A:190:THR:H	7	0.11
(3,977)	1:A:190:THR:HA	1:B:190:THR:H	7	0.11
(3,977)	1:B:190:THR:HA	1:A:190:THR:H	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,977)	1:B:190:THR:HA	1:B:190:THR:H	7	0.11
(3,977)	1:A:190:THR:HA	1:A:190:THR:H	8	0.11
(3,977)	1:A:190:THR:HA	1:B:190:THR:H	8	0.11
(3,977)	1:B:190:THR:HA	1:A:190:THR:H	8	0.11
(3,977)	1:B:190:THR:HA	1:B:190:THR:H	8	0.11
(3,977)	1:A:190:THR:HA	1:A:190:THR:H	10	0.11
(3,977)	1:A:190:THR:HA	1:B:190:THR:H	10	0.11
(3,977)	1:B:190:THR:HA	1:A:190:THR:H	10	0.11
(3,977)	1:B:190:THR:HA	1:B:190:THR:H	10	0.11
(3,954)	1:A:176:ASP:HB2	1:A:176:ASP:H	9	0.11
(3,954)	1:A:176:ASP:HB2	1:B:176:ASP:H	9	0.11
(3,954)	1:B:176:ASP:HB2	1:A:176:ASP:H	9	0.11
(3,954)	1:B:176:ASP:HB2	1:B:176:ASP:H	9	0.11
(3,906)	1:A:170:THR:HG1	1:A:173:GLU:H	7	0.11
(3,906)	1:A:170:THR:HG1	1:B:173:GLU:H	7	0.11
(3,906)	1:A:175:ALA:HB1	1:A:173:GLU:H	7	0.11
(3,906)	1:A:175:ALA:HB1	1:B:173:GLU:H	7	0.11
(3,906)	1:A:175:ALA:HB2	1:A:173:GLU:H	7	0.11
(3,906)	1:A:175:ALA:HB2	1:B:173:GLU:H	7	0.11
(3,906)	1:A:175:ALA:HB3	1:A:173:GLU:H	7	0.11
(3,906)	1:A:175:ALA:HB3	1:B:173:GLU:H	7	0.11
(3,906)	1:A:177:ALA:HB1	1:A:173:GLU:H	7	0.11
(3,906)	1:A:177:ALA:HB1	1:B:173:GLU:H	7	0.11
(3,906)	1:A:177:ALA:HB2	1:A:173:GLU:H	7	0.11
(3,906)	1:A:177:ALA:HB2	1:B:173:GLU:H	7	0.11
(3,906)	1:A:177:ALA:HB3	1:A:173:GLU:H	7	0.11
(3,906)	1:A:177:ALA:HB3	1:B:173:GLU:H	7	0.11
(3,906)	1:A:182:LYS:HD3	1:A:173:GLU:H	7	0.11
(3,906)	1:A:182:LYS:HD3	1:B:173:GLU:H	7	0.11
(3,906)	1:B:170:THR:HG1	1:A:173:GLU:H	7	0.11
(3,906)	1:B:170:THR:HG1	1:B:173:GLU:H	7	0.11
(3,906)	1:B:175:ALA:HB1	1:A:173:GLU:H	7	0.11
(3,906)	1:B:175:ALA:HB1	1:B:173:GLU:H	7	0.11
(3,906)	1:B:182:LYS:HD3	1:A:173:GLU:H	7	0.11
(3,906)	1:B:182:LYS:HD3	1:B:173:GLU:H	7	0.11
(3,887)	1:A:151:GLN:HG2	1:A:151:GLN:H	8	0.11
(3,887)	1:A:151:GLN:HG2	1:B:151:GLN:H	8	0.11
(3,887)	1:B:151:GLN:HG2	1:A:151:GLN:H	8	0.11
(3,887)	1:B:151:GLN:HG2	1:B:151:GLN:H	8	0.11
(3,855)	1:A:152:ASP:HB2	1:A:152:ASP:H	8	0.11
(3,855)	1:A:152:ASP:HB2	1:B:152:ASP:H	8	0.11
(3,855)	1:B:152:ASP:HB2	1:A:152:ASP:H	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,855)	1:B:152:ASP:HB2	1:B:152:ASP:H	8	0.11
(3,844)	1:A:201:ARG:HB2	1:A:201:ARG:H	9	0.11
(3,844)	1:A:201:ARG:HB2	1:B:201:ARG:H	9	0.11
(3,844)	1:A:203:GLU:HB2	1:A:201:ARG:H	9	0.11
(3,844)	1:A:203:GLU:HB2	1:B:201:ARG:H	9	0.11
(3,844)	1:B:201:ARG:HB2	1:A:201:ARG:H	9	0.11
(3,844)	1:B:201:ARG:HB2	1:B:201:ARG:H	9	0.11
(3,844)	1:B:203:GLU:HB2	1:A:201:ARG:H	9	0.11
(3,844)	1:B:203:GLU:HB2	1:B:201:ARG:H	9	0.11
(3,829)	1:A:148:GLN:HB3	1:A:149:LYS:H	6	0.11
(3,829)	1:A:148:GLN:HB3	1:B:166:GLU:H	6	0.11
(3,829)	1:B:166:GLU:HG3	1:A:149:LYS:H	6	0.11
(3,829)	1:B:166:GLU:HG3	1:B:166:GLU:H	6	0.11
(3,780)	1:B:187:TYR:H	1:B:186:GLU:H	7	0.11
(3,780)	1:B:187:TYR:H	1:B:188:SER:H	7	0.11
(3,779)	1:A:187:TYR:H	1:A:186:GLU:H	5	0.11
(3,779)	1:A:187:TYR:H	1:A:188:SER:H	5	0.11
(3,779)	1:A:187:TYR:H	1:A:186:GLU:H	10	0.11
(3,779)	1:A:187:TYR:H	1:A:188:SER:H	10	0.11
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG21	8	0.11
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG22	8	0.11
(3,761)	1:B:198:VAL:HG21	1:A:205:VAL:HG23	8	0.11
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG21	8	0.11
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG22	8	0.11
(3,761)	1:B:198:VAL:HG22	1:A:205:VAL:HG23	8	0.11
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG21	8	0.11
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG22	8	0.11
(3,761)	1:B:198:VAL:HG23	1:A:205:VAL:HG23	8	0.11
(3,760)	1:A:198:VAL:HG21	1:B:205:VAL:HG21	2	0.11
(3,760)	1:A:198:VAL:HG21	1:B:205:VAL:HG22	2	0.11
(3,760)	1:A:198:VAL:HG21	1:B:205:VAL:HG23	2	0.11
(3,760)	1:A:198:VAL:HG22	1:B:205:VAL:HG21	2	0.11
(3,760)	1:A:198:VAL:HG22	1:B:205:VAL:HG22	2	0.11
(3,760)	1:A:198:VAL:HG22	1:B:205:VAL:HG23	2	0.11
(3,760)	1:A:198:VAL:HG23	1:B:205:VAL:HG21	2	0.11
(3,760)	1:A:198:VAL:HG23	1:B:205:VAL:HG22	2	0.11
(3,760)	1:A:198:VAL:HG23	1:B:205:VAL:HG23	2	0.11
(3,752)	1:A:204:ALA:HB1	1:B:202:THR:HA	9	0.11
(3,752)	1:A:204:ALA:HB2	1:B:202:THR:HA	9	0.11
(3,752)	1:A:204:ALA:HB3	1:B:202:THR:HA	9	0.11
(3,698)	1:B:196:LEU:HB2	1:B:196:LEU:HG	5	0.11
(3,698)	1:B:196:LEU:HB3	1:B:196:LEU:HG	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,694)	1:B:189:LEU:HD11	1:B:201:ARG:HB2	7	0.11
(3,694)	1:B:189:LEU:HD12	1:B:201:ARG:HB2	7	0.11
(3,694)	1:B:189:LEU:HD13	1:B:201:ARG:HB2	7	0.11
(3,68)	1:A:212:GLY:H	1:A:211:ASP:H	4	0.11
(3,669)	1:A:182:LYS:HB3	1:A:182:LYS:HA	3	0.11
(3,668)	1:B:181:SER:HA	1:B:175:ALA:HB1	10	0.11
(3,668)	1:B:181:SER:HA	1:B:175:ALA:HB2	10	0.11
(3,668)	1:B:181:SER:HA	1:B:175:ALA:HB3	10	0.11
(3,667)	1:A:181:SER:HA	1:A:175:ALA:HB1	1	0.11
(3,667)	1:A:181:SER:HA	1:A:175:ALA:HB2	1	0.11
(3,667)	1:A:181:SER:HA	1:A:175:ALA:HB3	1	0.11
(3,667)	1:A:181:SER:HA	1:A:175:ALA:HB1	10	0.11
(3,667)	1:A:181:SER:HA	1:A:175:ALA:HB2	10	0.11
(3,667)	1:A:181:SER:HA	1:A:175:ALA:HB3	10	0.11
(3,656)	1:B:176:ASP:HB3	1:B:173:GLU:HA	3	0.11
(3,652)	1:B:175:ALA:HA	1:B:180:LEU:HB2	1	0.11
(3,649)	1:B:174:ILE:HA	1:B:164:GLU:HG3	3	0.11
(3,649)	1:B:174:ILE:HA	1:B:164:GLU:HG3	8	0.11
(3,639)	1:B:166:GLU:HG2	1:B:162:LEU:HG	2	0.11
(3,639)	1:B:166:GLU:HG2	1:B:162:LEU:HG	3	0.11
(3,639)	1:B:166:GLU:HG2	1:B:162:LEU:HG	4	0.11
(3,630)	1:B:164:GLU:HG2	1:B:163:GLN:HG2	2	0.11
(3,630)	1:B:164:GLU:HG2	1:B:163:GLN:HG3	2	0.11
(3,630)	1:B:164:GLU:HG2	1:B:163:GLN:HG2	4	0.11
(3,630)	1:B:164:GLU:HG2	1:B:163:GLN:HG3	4	0.11
(3,630)	1:B:164:GLU:HG2	1:B:163:GLN:HG2	10	0.11
(3,630)	1:B:164:GLU:HG2	1:B:163:GLN:HG3	10	0.11
(3,613)	1:A:159:CYS:HB2	1:A:159:CYS:HA	3	0.11
(3,613)	1:A:159:CYS:HB3	1:A:159:CYS:HA	3	0.11
(3,613)	1:A:159:CYS:HB2	1:A:159:CYS:HA	9	0.11
(3,613)	1:A:159:CYS:HB3	1:A:159:CYS:HA	9	0.11
(3,586)	1:B:213:VAL:HG21	1:B:213:VAL:HA	7	0.11
(3,586)	1:B:213:VAL:HG22	1:B:213:VAL:HA	7	0.11
(3,586)	1:B:213:VAL:HG23	1:B:213:VAL:HA	7	0.11
(3,585)	1:A:213:VAL:HG21	1:A:213:VAL:HA	7	0.11
(3,585)	1:A:213:VAL:HG22	1:A:213:VAL:HA	7	0.11
(3,585)	1:A:213:VAL:HG23	1:A:213:VAL:HA	7	0.11
(3,585)	1:A:213:VAL:HG21	1:A:213:VAL:HA	8	0.11
(3,585)	1:A:213:VAL:HG22	1:A:213:VAL:HA	8	0.11
(3,585)	1:A:213:VAL:HG23	1:A:213:VAL:HA	8	0.11
(3,585)	1:A:213:VAL:HG21	1:A:213:VAL:HA	9	0.11
(3,585)	1:A:213:VAL:HG22	1:A:213:VAL:HA	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,585)	1:A:213:VAL:HG23	1:A:213:VAL:HA	9	0.11
(3,584)	1:B:213:VAL:HG21	1:B:211:ASP:HB3	7	0.11
(3,584)	1:B:213:VAL:HG22	1:B:211:ASP:HB3	7	0.11
(3,584)	1:B:213:VAL:HG23	1:B:211:ASP:HB3	7	0.11
(3,575)	1:A:149:LYS:HG2	1:A:149:LYS:HE2	9	0.11
(3,575)	1:A:149:LYS:HG2	1:A:149:LYS:HE3	9	0.11
(3,575)	1:A:149:LYS:HG3	1:A:149:LYS:HE2	9	0.11
(3,575)	1:A:149:LYS:HG3	1:A:149:LYS:HE3	9	0.11
(3,571)	1:A:189:LEU:HG	1:A:171:ASN:HB2	4	0.11
(3,571)	1:A:189:LEU:HG	1:A:171:ASN:HB3	4	0.11
(3,569)	1:A:178:LEU:HD11	1:A:157:ARG:HD2	1	0.11
(3,569)	1:A:178:LEU:HD11	1:A:157:ARG:HD3	1	0.11
(3,569)	1:A:178:LEU:HD12	1:A:157:ARG:HD2	1	0.11
(3,569)	1:A:178:LEU:HD12	1:A:157:ARG:HD3	1	0.11
(3,569)	1:A:178:LEU:HD13	1:A:157:ARG:HD2	1	0.11
(3,569)	1:A:178:LEU:HD13	1:A:157:ARG:HD3	1	0.11
(3,568)	1:B:189:LEU:HD21	1:B:185:ILE:HB	4	0.11
(3,568)	1:B:189:LEU:HD22	1:B:185:ILE:HB	4	0.11
(3,568)	1:B:189:LEU:HD21	1:B:185:ILE:HB	8	0.11
(3,568)	1:B:189:LEU:HD22	1:B:185:ILE:HB	8	0.11
(3,508)	1:B:157:ARG:HD2	1:B:157:ARG:HB2	7	0.11
(3,508)	1:B:157:ARG:HD3	1:B:157:ARG:HB2	7	0.11
(3,493)	1:A:149:LYS:HA	1:A:149:LYS:HG2	5	0.11
(3,493)	1:A:149:LYS:HA	1:A:149:LYS:HG3	5	0.11
(3,493)	1:A:149:LYS:HA	1:A:149:LYS:HG2	8	0.11
(3,493)	1:A:149:LYS:HA	1:A:149:LYS:HG3	8	0.11
(3,49)	1:B:184:SER:H	1:B:183:ARG:H	2	0.11
(3,49)	1:B:184:SER:H	1:B:183:ARG:H	4	0.11
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG11	5	0.11
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG12	5	0.11
(3,487)	1:A:193:PHE:HA	1:A:198:VAL:HG13	5	0.11
(3,457)	1:A:174:ILE:HA	1:A:177:ALA:HB1	6	0.11
(3,457)	1:A:174:ILE:HA	1:A:177:ALA:HB2	6	0.11
(3,457)	1:A:174:ILE:HA	1:A:177:ALA:HB3	6	0.11
(3,457)	1:A:174:ILE:HA	1:A:177:ALA:HB1	10	0.11
(3,457)	1:A:174:ILE:HA	1:A:177:ALA:HB2	10	0.11
(3,457)	1:A:174:ILE:HA	1:A:177:ALA:HB3	10	0.11
(3,400)	1:B:158:GLU:H	1:B:158:GLU:HB2	5	0.11
(3,396)	1:B:166:GLU:H	1:B:166:GLU:HB3	8	0.11
(3,395)	1:A:166:GLU:H	1:A:166:GLU:HB3	5	0.11
(3,354)	1:B:182:LYS:H	1:B:182:LYS:HE3	2	0.11
(3,354)	1:B:182:LYS:H	1:B:182:LYS:HE3	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,354)	1:B:182:LYS:H	1:B:182:LYS:HE3	8	0.11
(3,353)	1:A:182:LYS:H	1:A:182:LYS:HE3	6	0.11
(3,353)	1:A:182:LYS:H	1:A:182:LYS:HE3	7	0.11
(3,353)	1:A:182:LYS:H	1:A:182:LYS:HE3	8	0.11
(3,301)	1:B:191:SER:H	1:B:190:THR:HG21	4	0.11
(3,301)	1:B:191:SER:H	1:B:190:THR:HG22	4	0.11
(3,301)	1:B:191:SER:H	1:B:190:THR:HG21	5	0.11
(3,301)	1:B:191:SER:H	1:B:190:THR:HG22	5	0.11
(3,301)	1:B:191:SER:H	1:B:190:THR:HG21	10	0.11
(3,301)	1:B:191:SER:H	1:B:190:THR:HG22	10	0.11
(3,300)	1:A:191:SER:H	1:A:190:THR:HG21	4	0.11
(3,300)	1:A:191:SER:H	1:A:190:THR:HG22	4	0.11
(3,300)	1:A:191:SER:H	1:A:190:THR:HG23	4	0.11
(3,300)	1:A:191:SER:H	1:A:190:THR:HG21	5	0.11
(3,300)	1:A:191:SER:H	1:A:190:THR:HG22	5	0.11
(3,300)	1:A:191:SER:H	1:A:190:THR:HG23	5	0.11
(3,300)	1:A:191:SER:H	1:A:190:THR:HG21	7	0.11
(3,300)	1:A:191:SER:H	1:A:190:THR:HG22	7	0.11
(3,300)	1:A:191:SER:H	1:A:190:THR:HG23	7	0.11
(3,241)	1:B:183:ARG:H	1:B:181:SER:HB3	2	0.11
(3,241)	1:B:183:ARG:H	1:B:181:SER:HB3	8	0.11
(3,221)	1:B:158:GLU:H	1:B:157:ARG:HB3	6	0.11
(3,221)	1:B:158:GLU:H	1:B:157:ARG:HB3	10	0.11
(3,191)	1:B:204:ALA:H	1:B:204:ALA:HB2	1	0.11
(3,191)	1:B:204:ALA:H	1:B:204:ALA:HB3	1	0.11
(3,191)	1:B:204:ALA:H	1:B:204:ALA:HB2	8	0.11
(3,191)	1:B:204:ALA:H	1:B:204:ALA:HB3	8	0.11
(3,185)	1:B:171:ASN:H	1:B:170:THR:HG1	2	0.11
(3,169)	1:B:187:TYR:H	1:B:186:GLU:HG2	6	0.11
(3,168)	1:A:187:TYR:H	1:A:186:GLU:HG2	1	0.11
(3,168)	1:A:187:TYR:H	1:A:186:GLU:HG2	8	0.11
(3,162)	1:A:192:ILE:H	1:A:191:SER:H	8	0.11
(3,1531)	1:A:209:LYS:HE2	1:A:209:LYS:HB2	3	0.11
(3,1531)	1:A:209:LYS:HE2	1:B:209:LYS:HB2	3	0.11
(3,1531)	1:B:209:LYS:HE2	1:A:209:LYS:HB2	3	0.11
(3,1531)	1:B:209:LYS:HE2	1:B:209:LYS:HB2	3	0.11
(3,152)	1:A:203:GLU:H	1:A:203:GLU:HB2	6	0.11
(3,152)	1:A:203:GLU:H	1:A:203:GLU:HB2	10	0.11
(3,1489)	1:A:181:SER:HB2	1:A:183:ARG:HD2	6	0.11
(3,1489)	1:A:181:SER:HB2	1:B:183:ARG:HD2	6	0.11
(3,1489)	1:B:181:SER:HB2	1:A:183:ARG:HD2	6	0.11
(3,1489)	1:B:181:SER:HB2	1:B:183:ARG:HD2	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1424)	1:A:175:ALA:HB1	1:A:182:LYS:HA	7	0.11
(3,1424)	1:A:175:ALA:HB1	1:A:186:GLU:HA	7	0.11
(3,1424)	1:A:175:ALA:HB1	1:B:182:LYS:HA	7	0.11
(3,1424)	1:A:175:ALA:HB1	1:B:186:GLU:HA	7	0.11
(3,1424)	1:A:175:ALA:HB2	1:A:182:LYS:HA	7	0.11
(3,1424)	1:A:175:ALA:HB2	1:A:186:GLU:HA	7	0.11
(3,1424)	1:A:175:ALA:HB2	1:B:182:LYS:HA	7	0.11
(3,1424)	1:A:175:ALA:HB2	1:B:186:GLU:HA	7	0.11
(3,1424)	1:A:175:ALA:HB3	1:A:182:LYS:HA	7	0.11
(3,1424)	1:A:175:ALA:HB3	1:A:186:GLU:HA	7	0.11
(3,1424)	1:A:175:ALA:HB3	1:B:182:LYS:HA	7	0.11
(3,1424)	1:A:175:ALA:HB3	1:B:186:GLU:HA	7	0.11
(3,1424)	1:A:189:LEU:HB2	1:A:182:LYS:HA	7	0.11
(3,1424)	1:A:189:LEU:HB2	1:A:186:GLU:HA	7	0.11
(3,1424)	1:A:189:LEU:HB2	1:B:182:LYS:HA	7	0.11
(3,1424)	1:A:189:LEU:HB2	1:B:186:GLU:HA	7	0.11
(3,1424)	1:B:182:LYS:HD3	1:A:182:LYS:HA	7	0.11
(3,1424)	1:B:182:LYS:HD3	1:A:186:GLU:HA	7	0.11
(3,1424)	1:B:182:LYS:HD3	1:B:182:LYS:HA	7	0.11
(3,1424)	1:B:182:LYS:HD3	1:B:186:GLU:HA	7	0.11
(3,1424)	1:B:189:LEU:HB2	1:A:182:LYS:HA	7	0.11
(3,1424)	1:B:189:LEU:HB2	1:A:186:GLU:HA	7	0.11
(3,1424)	1:B:189:LEU:HB2	1:B:182:LYS:HA	7	0.11
(3,1424)	1:B:189:LEU:HB2	1:B:186:GLU:HA	7	0.11
(3,1419)	1:A:158:GLU:HG3	1:A:158:GLU:HA	5	0.11
(3,1419)	1:A:158:GLU:HG3	1:B:158:GLU:HA	5	0.11
(3,1419)	1:B:158:GLU:HG3	1:A:158:GLU:HA	5	0.11
(3,1419)	1:B:158:GLU:HG3	1:B:158:GLU:HA	5	0.11
(3,1417)	1:A:195:LYS:HE2	1:A:195:LYS:HA	6	0.11
(3,1417)	1:A:195:LYS:HE2	1:B:195:LYS:HA	6	0.11
(3,1417)	1:B:195:LYS:HE2	1:A:195:LYS:HA	6	0.11
(3,1417)	1:B:195:LYS:HE2	1:B:195:LYS:HA	6	0.11
(3,1402)	1:A:170:THR:HA	1:A:202:THR:HA	1	0.11
(3,1402)	1:A:170:THR:HA	1:B:181:SER:HB2	1	0.11
(3,1402)	1:A:170:THR:HA	1:B:202:THR:HA	1	0.11
(3,1402)	1:B:170:THR:HA	1:A:202:THR:HA	1	0.11
(3,1402)	1:B:170:THR:HA	1:B:181:SER:HB2	1	0.11
(3,1402)	1:B:170:THR:HA	1:B:202:THR:HA	1	0.11
(3,1402)	1:B:180:LEU:HA	1:A:202:THR:HA	1	0.11
(3,1402)	1:B:180:LEU:HA	1:B:181:SER:HB2	1	0.11
(3,1402)	1:B:180:LEU:HA	1:B:202:THR:HA	1	0.11
(3,1390)	1:A:158:GLU:HG3	1:A:161:ILE:HA	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1390)	1:A:158:GLU:HG3	1:A:165:VAL:HA	8	0.11
(3,1390)	1:A:158:GLU:HG3	1:A:192:ILE:HA	8	0.11
(3,1390)	1:A:158:GLU:HG3	1:B:161:ILE:HA	8	0.11
(3,1390)	1:A:158:GLU:HG3	1:B:165:VAL:HA	8	0.11
(3,1390)	1:A:158:GLU:HG3	1:B:192:ILE:HA	8	0.11
(3,1390)	1:A:164:GLU:HB3	1:A:161:ILE:HA	8	0.11
(3,1390)	1:A:164:GLU:HB3	1:A:165:VAL:HA	8	0.11
(3,1390)	1:A:164:GLU:HB3	1:A:192:ILE:HA	8	0.11
(3,1390)	1:A:164:GLU:HB3	1:B:161:ILE:HA	8	0.11
(3,1390)	1:A:164:GLU:HB3	1:B:165:VAL:HA	8	0.11
(3,1390)	1:A:164:GLU:HB3	1:B:192:ILE:HA	8	0.11
(3,1390)	1:A:174:ILE:HB	1:A:161:ILE:HA	8	0.11
(3,1390)	1:A:174:ILE:HB	1:A:165:VAL:HA	8	0.11
(3,1390)	1:A:174:ILE:HB	1:A:192:ILE:HA	8	0.11
(3,1390)	1:A:174:ILE:HB	1:B:161:ILE:HA	8	0.11
(3,1390)	1:A:174:ILE:HB	1:B:165:VAL:HA	8	0.11
(3,1390)	1:A:174:ILE:HB	1:B:192:ILE:HA	8	0.11
(3,1390)	1:A:205:VAL:HB	1:A:161:ILE:HA	8	0.11
(3,1390)	1:A:205:VAL:HB	1:A:165:VAL:HA	8	0.11
(3,1390)	1:A:205:VAL:HB	1:A:192:ILE:HA	8	0.11
(3,1390)	1:A:205:VAL:HB	1:B:161:ILE:HA	8	0.11
(3,1390)	1:A:205:VAL:HB	1:B:165:VAL:HA	8	0.11
(3,1390)	1:A:205:VAL:HB	1:B:192:ILE:HA	8	0.11
(3,1390)	1:B:164:GLU:HB3	1:A:161:ILE:HA	8	0.11
(3,1390)	1:B:164:GLU:HB3	1:A:165:VAL:HA	8	0.11
(3,1390)	1:B:164:GLU:HB3	1:A:192:ILE:HA	8	0.11
(3,1390)	1:B:164:GLU:HB3	1:B:161:ILE:HA	8	0.11
(3,1390)	1:B:164:GLU:HB3	1:B:165:VAL:HA	8	0.11
(3,1390)	1:B:164:GLU:HB3	1:B:192:ILE:HA	8	0.11
(3,1390)	1:B:174:ILE:HB	1:A:161:ILE:HA	8	0.11
(3,1390)	1:B:174:ILE:HB	1:A:165:VAL:HA	8	0.11
(3,1390)	1:B:174:ILE:HB	1:A:192:ILE:HA	8	0.11
(3,1390)	1:B:174:ILE:HB	1:B:161:ILE:HA	8	0.11
(3,1390)	1:B:174:ILE:HB	1:B:165:VAL:HA	8	0.11
(3,1390)	1:B:174:ILE:HB	1:B:192:ILE:HA	8	0.11
(3,1390)	1:B:198:VAL:HB	1:A:161:ILE:HA	8	0.11
(3,1390)	1:B:198:VAL:HB	1:A:165:VAL:HA	8	0.11
(3,1390)	1:B:198:VAL:HB	1:A:192:ILE:HA	8	0.11
(3,1390)	1:B:198:VAL:HB	1:B:161:ILE:HA	8	0.11
(3,1390)	1:B:198:VAL:HB	1:B:165:VAL:HA	8	0.11
(3,1390)	1:B:198:VAL:HB	1:B:192:ILE:HA	8	0.11
(3,1390)	1:B:205:VAL:HB	1:A:161:ILE:HA	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1390)	1:B:205:VAL:HB	1:A:165:VAL:HA	8	0.11
(3,1390)	1:B:205:VAL:HB	1:A:192:ILE:HA	8	0.11
(3,1390)	1:B:205:VAL:HB	1:B:161:ILE:HA	8	0.11
(3,1390)	1:B:205:VAL:HB	1:B:165:VAL:HA	8	0.11
(3,1390)	1:B:205:VAL:HB	1:B:192:ILE:HA	8	0.11
(3,1390)	1:A:158:GLU:HG3	1:A:161:ILE:HA	9	0.11
(3,1390)	1:A:158:GLU:HG3	1:A:165:VAL:HA	9	0.11
(3,1390)	1:A:158:GLU:HG3	1:A:192:ILE:HA	9	0.11
(3,1390)	1:A:158:GLU:HG3	1:B:161:ILE:HA	9	0.11
(3,1390)	1:A:158:GLU:HG3	1:B:165:VAL:HA	9	0.11
(3,1390)	1:A:158:GLU:HG3	1:B:192:ILE:HA	9	0.11
(3,1390)	1:A:164:GLU:HB3	1:A:161:ILE:HA	9	0.11
(3,1390)	1:A:164:GLU:HB3	1:A:165:VAL:HA	9	0.11
(3,1390)	1:A:164:GLU:HB3	1:A:192:ILE:HA	9	0.11
(3,1390)	1:A:164:GLU:HB3	1:B:161:ILE:HA	9	0.11
(3,1390)	1:A:164:GLU:HB3	1:B:165:VAL:HA	9	0.11
(3,1390)	1:A:164:GLU:HB3	1:B:192:ILE:HA	9	0.11
(3,1390)	1:A:174:ILE:HB	1:A:161:ILE:HA	9	0.11
(3,1390)	1:A:174:ILE:HB	1:A:165:VAL:HA	9	0.11
(3,1390)	1:A:174:ILE:HB	1:A:192:ILE:HA	9	0.11
(3,1390)	1:A:174:ILE:HB	1:B:161:ILE:HA	9	0.11
(3,1390)	1:A:174:ILE:HB	1:B:165:VAL:HA	9	0.11
(3,1390)	1:A:174:ILE:HB	1:B:192:ILE:HA	9	0.11
(3,1390)	1:A:205:VAL:HB	1:A:161:ILE:HA	9	0.11
(3,1390)	1:A:205:VAL:HB	1:A:165:VAL:HA	9	0.11
(3,1390)	1:A:205:VAL:HB	1:A:192:ILE:HA	9	0.11
(3,1390)	1:A:205:VAL:HB	1:B:161:ILE:HA	9	0.11
(3,1390)	1:A:205:VAL:HB	1:B:165:VAL:HA	9	0.11
(3,1390)	1:A:205:VAL:HB	1:B:192:ILE:HA	9	0.11
(3,1390)	1:B:164:GLU:HB3	1:A:161:ILE:HA	9	0.11
(3,1390)	1:B:164:GLU:HB3	1:A:165:VAL:HA	9	0.11
(3,1390)	1:B:164:GLU:HB3	1:A:192:ILE:HA	9	0.11
(3,1390)	1:B:164:GLU:HB3	1:B:161:ILE:HA	9	0.11
(3,1390)	1:B:164:GLU:HB3	1:B:165:VAL:HA	9	0.11
(3,1390)	1:B:164:GLU:HB3	1:B:192:ILE:HA	9	0.11
(3,1390)	1:B:174:ILE:HB	1:A:161:ILE:HA	9	0.11
(3,1390)	1:B:174:ILE:HB	1:A:165:VAL:HA	9	0.11
(3,1390)	1:B:174:ILE:HB	1:A:192:ILE:HA	9	0.11
(3,1390)	1:B:174:ILE:HB	1:B:161:ILE:HA	9	0.11
(3,1390)	1:B:174:ILE:HB	1:B:165:VAL:HA	9	0.11
(3,1390)	1:B:174:ILE:HB	1:B:192:ILE:HA	9	0.11
(3,1390)	1:B:198:VAL:HB	1:A:161:ILE:HA	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1390)	1:B:198:VAL:HB	1:A:165:VAL:HA	9	0.11
(3,1390)	1:B:198:VAL:HB	1:A:192:ILE:HA	9	0.11
(3,1390)	1:B:198:VAL:HB	1:B:161:ILE:HA	9	0.11
(3,1390)	1:B:198:VAL:HB	1:B:165:VAL:HA	9	0.11
(3,1390)	1:B:198:VAL:HB	1:B:192:ILE:HA	9	0.11
(3,1390)	1:B:205:VAL:HB	1:A:161:ILE:HA	9	0.11
(3,1390)	1:B:205:VAL:HB	1:A:165:VAL:HA	9	0.11
(3,1390)	1:B:205:VAL:HB	1:A:192:ILE:HA	9	0.11
(3,1390)	1:B:205:VAL:HB	1:B:161:ILE:HA	9	0.11
(3,1390)	1:B:205:VAL:HB	1:B:165:VAL:HA	9	0.11
(3,1390)	1:B:205:VAL:HB	1:B:192:ILE:HA	9	0.11
(3,1323)	1:A:187:TYR:HA	1:A:190:THR:H	6	0.11
(3,1323)	1:A:187:TYR:HA	1:B:190:THR:H	6	0.11
(3,1323)	1:B:187:TYR:HA	1:A:190:THR:H	6	0.11
(3,1323)	1:B:187:TYR:HA	1:B:190:THR:H	6	0.11
(3,1323)	1:B:188:SER:HA	1:A:190:THR:H	6	0.11
(3,1323)	1:B:188:SER:HA	1:B:190:THR:H	6	0.11
(3,1302)	1:A:172:GLN:HG2	1:A:173:GLU:H	3	0.11
(3,1302)	1:A:172:GLN:HG2	1:B:173:GLU:H	3	0.11
(3,1302)	1:A:173:GLU:HG3	1:A:173:GLU:H	3	0.11
(3,1302)	1:A:173:GLU:HG3	1:B:173:GLU:H	3	0.11
(3,1302)	1:B:173:GLU:HG3	1:A:173:GLU:H	3	0.11
(3,1302)	1:B:173:GLU:HG3	1:B:173:GLU:H	3	0.11
(3,1302)	1:A:172:GLN:HG2	1:A:173:GLU:H	5	0.11
(3,1302)	1:A:172:GLN:HG2	1:B:173:GLU:H	5	0.11
(3,1302)	1:A:173:GLU:HG3	1:A:173:GLU:H	5	0.11
(3,1302)	1:A:173:GLU:HG3	1:B:173:GLU:H	5	0.11
(3,1302)	1:B:173:GLU:HG3	1:A:173:GLU:H	5	0.11
(3,1302)	1:B:173:GLU:HG3	1:B:173:GLU:H	5	0.11
(3,1270)	1:A:153:VAL:HB	1:A:150:GLU:H	4	0.11
(3,1270)	1:A:153:VAL:HB	1:A:165:VAL:H	4	0.11
(3,1270)	1:A:153:VAL:HB	1:B:150:GLU:H	4	0.11
(3,1270)	1:A:153:VAL:HB	1:B:165:VAL:H	4	0.11
(3,1270)	1:A:164:GLU:HB3	1:A:150:GLU:H	4	0.11
(3,1270)	1:A:164:GLU:HB3	1:A:165:VAL:H	4	0.11
(3,1270)	1:A:164:GLU:HB3	1:B:150:GLU:H	4	0.11
(3,1270)	1:A:164:GLU:HB3	1:B:165:VAL:H	4	0.11
(3,1270)	1:B:153:VAL:HB	1:A:150:GLU:H	4	0.11
(3,1270)	1:B:153:VAL:HB	1:A:165:VAL:H	4	0.11
(3,1270)	1:B:153:VAL:HB	1:B:150:GLU:H	4	0.11
(3,1270)	1:B:153:VAL:HB	1:B:165:VAL:H	4	0.11
(3,1270)	1:B:164:GLU:HB3	1:A:150:GLU:H	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1270)	1:B:164:GLU:HB3	1:A:165:VAL:H	4	0.11
(3,1270)	1:B:164:GLU:HB3	1:B:150:GLU:H	4	0.11
(3,1270)	1:B:164:GLU:HB3	1:B:165:VAL:H	4	0.11
(3,1270)	1:B:166:GLU:HG3	1:A:150:GLU:H	4	0.11
(3,1270)	1:B:166:GLU:HG3	1:A:165:VAL:H	4	0.11
(3,1270)	1:B:166:GLU:HG3	1:B:150:GLU:H	4	0.11
(3,1270)	1:B:166:GLU:HG3	1:B:165:VAL:H	4	0.11
(3,1269)	1:A:149:LYS:HE3	1:A:150:GLU:H	6	0.11
(3,1269)	1:A:149:LYS:HE3	1:A:165:VAL:H	6	0.11
(3,1269)	1:A:149:LYS:HE3	1:B:150:GLU:H	6	0.11
(3,1269)	1:A:149:LYS:HE3	1:B:165:VAL:H	6	0.11
(3,1269)	1:A:165:VAL:HB	1:A:150:GLU:H	6	0.11
(3,1269)	1:A:165:VAL:HB	1:A:165:VAL:H	6	0.11
(3,1269)	1:A:165:VAL:HB	1:B:150:GLU:H	6	0.11
(3,1269)	1:A:165:VAL:HB	1:B:165:VAL:H	6	0.11
(3,1269)	1:B:149:LYS:HE3	1:A:150:GLU:H	6	0.11
(3,1269)	1:B:149:LYS:HE3	1:A:165:VAL:H	6	0.11
(3,1269)	1:B:149:LYS:HE3	1:B:150:GLU:H	6	0.11
(3,1269)	1:B:149:LYS:HE3	1:B:165:VAL:H	6	0.11
(3,1269)	1:B:151:GLN:HG2	1:A:150:GLU:H	6	0.11
(3,1269)	1:B:151:GLN:HG2	1:A:165:VAL:H	6	0.11
(3,1269)	1:B:151:GLN:HG2	1:B:150:GLU:H	6	0.11
(3,1269)	1:B:151:GLN:HG2	1:B:165:VAL:H	6	0.11
(3,1269)	1:B:165:VAL:HB	1:A:150:GLU:H	6	0.11
(3,1269)	1:B:165:VAL:HB	1:A:165:VAL:H	6	0.11
(3,1269)	1:B:165:VAL:HB	1:B:150:GLU:H	6	0.11
(3,1269)	1:B:165:VAL:HB	1:B:165:VAL:H	6	0.11
(3,1207)	1:A:164:GLU:HG2	1:A:175:ALA:H	3	0.11
(3,1207)	1:A:164:GLU:HG2	1:B:175:ALA:H	3	0.11
(3,1207)	1:A:176:ASP:HB2	1:A:175:ALA:H	3	0.11
(3,1207)	1:A:176:ASP:HB2	1:B:175:ALA:H	3	0.11
(3,1207)	1:B:176:ASP:HB2	1:A:175:ALA:H	3	0.11
(3,1207)	1:B:176:ASP:HB2	1:B:175:ALA:H	3	0.11
(3,1194)	1:A:152:ASP:HB2	1:A:150:GLU:H	10	0.11
(3,1194)	1:A:152:ASP:HB2	1:A:166:GLU:H	10	0.11
(3,1194)	1:A:152:ASP:HB2	1:B:150:GLU:H	10	0.11
(3,1194)	1:A:152:ASP:HB2	1:B:166:GLU:H	10	0.11
(3,1194)	1:A:163:GLN:HG2	1:A:150:GLU:H	10	0.11
(3,1194)	1:A:163:GLN:HG2	1:A:166:GLU:H	10	0.11
(3,1194)	1:A:163:GLN:HG2	1:B:150:GLU:H	10	0.11
(3,1194)	1:A:163:GLN:HG2	1:B:166:GLU:H	10	0.11
(3,1194)	1:B:152:ASP:HB2	1:A:150:GLU:H	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1194)	1:B:152:ASP:HB2	1:A:166:GLU:H	10	0.11
(3,1194)	1:B:152:ASP:HB2	1:B:150:GLU:H	10	0.11
(3,1194)	1:B:152:ASP:HB2	1:B:166:GLU:H	10	0.11
(3,1194)	1:B:163:GLN:HG2	1:A:150:GLU:H	10	0.11
(3,1194)	1:B:163:GLN:HG2	1:A:166:GLU:H	10	0.11
(3,1194)	1:B:163:GLN:HG2	1:B:150:GLU:H	10	0.11
(3,1194)	1:B:163:GLN:HG2	1:B:166:GLU:H	10	0.11
(3,1194)	1:B:164:GLU:HG2	1:A:150:GLU:H	10	0.11
(3,1194)	1:B:164:GLU:HG2	1:A:166:GLU:H	10	0.11
(3,1194)	1:B:164:GLU:HG2	1:B:150:GLU:H	10	0.11
(3,1194)	1:B:164:GLU:HG2	1:B:166:GLU:H	10	0.11
(3,1194)	1:B:167:LYS:HE3	1:A:150:GLU:H	10	0.11
(3,1194)	1:B:167:LYS:HE3	1:A:166:GLU:H	10	0.11
(3,1194)	1:B:167:LYS:HE3	1:B:150:GLU:H	10	0.11
(3,1194)	1:B:167:LYS:HE3	1:B:166:GLU:H	10	0.11
(3,1170)	1:A:200:SER:HA	1:A:203:GLU:H	3	0.11
(3,1170)	1:A:200:SER:HA	1:B:203:GLU:H	3	0.11
(3,1170)	1:B:200:SER:HA	1:A:203:GLU:H	3	0.11
(3,1170)	1:B:200:SER:HA	1:B:203:GLU:H	3	0.11
(3,1170)	1:A:200:SER:HA	1:A:203:GLU:H	9	0.11
(3,1170)	1:A:200:SER:HA	1:B:203:GLU:H	9	0.11
(3,1170)	1:B:200:SER:HA	1:A:203:GLU:H	9	0.11
(3,1170)	1:B:200:SER:HA	1:B:203:GLU:H	9	0.11
(3,1145)	1:A:207:ILE:HG13	1:A:207:ILE:H	8	0.11
(3,1145)	1:A:207:ILE:HG13	1:B:207:ILE:H	8	0.11
(3,1145)	1:B:207:ILE:HG13	1:A:207:ILE:H	8	0.11
(3,1145)	1:B:207:ILE:HG13	1:B:207:ILE:H	8	0.11
(3,1106)	1:A:194:ASN:HB2	1:A:193:PHE:H	4	0.11
(3,1106)	1:A:194:ASN:HB2	1:B:193:PHE:H	4	0.11
(3,1106)	1:B:194:ASN:HB2	1:A:193:PHE:H	4	0.11
(3,1106)	1:B:194:ASN:HB2	1:B:193:PHE:H	4	0.11
(3,1074)	1:A:180:LEU:H	1:A:181:SER:H	1	0.11
(3,1074)	1:A:180:LEU:H	1:B:181:SER:H	1	0.11
(3,1074)	1:A:183:ARG:H	1:A:181:SER:H	1	0.11
(3,1074)	1:A:183:ARG:H	1:B:181:SER:H	1	0.11
(3,1074)	1:B:180:LEU:H	1:A:181:SER:H	1	0.11
(3,1074)	1:B:180:LEU:H	1:B:181:SER:H	1	0.11
(3,100)	1:B:182:LYS:H	1:B:181:SER:HA	6	0.11
(3,100)	1:B:182:LYS:H	1:B:181:SER:HA	8	0.11
(2,83)	1:B:201:ARG:O	1:B:205:VAL:H	10	0.11
(2,8)	1:B:156:PRO:O	1:B:160:LEU:H	5	0.11
(2,6)	1:A:156:PRO:O	1:A:160:LEU:H	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,24)	1:B:160:LEU:O	1:B:164:GLU:H	6	0.11
(2,24)	1:B:160:LEU:O	1:B:164:GLU:H	8	0.11
(2,22)	1:A:160:LEU:O	1:A:164:GLU:H	5	0.11
(2,22)	1:A:160:LEU:O	1:A:164:GLU:H	6	0.11
(2,12)	1:B:157:ARG:O	1:B:161:ILE:H	6	0.11
(2,12)	1:B:157:ARG:O	1:B:161:ILE:H	7	0.11
(2,12)	1:B:157:ARG:O	1:B:161:ILE:H	8	0.11
(2,10)	1:A:157:ARG:O	1:A:161:ILE:H	1	0.11
(2,10)	1:A:157:ARG:O	1:A:161:ILE:H	6	0.11
(2,10)	1:A:157:ARG:O	1:A:161:ILE:H	8	0.11
(1,932)	1:B:199:GLY:H	1:B:204:ALA:HA	2	0.11
(1,931)	1:A:199:GLY:H	1:A:204:ALA:HA	2	0.11
(1,913)	1:B:191:SER:H	1:B:195:LYS:HB2	8	0.11
(1,913)	1:B:191:SER:H	1:B:195:LYS:HB3	8	0.11
(1,736)	1:A:208:ALA:H	1:A:204:ALA:H	6	0.11
(1,733)	1:B:173:GLU:H	1:B:169:PHE:HA	5	0.11
(1,732)	1:A:173:GLU:H	1:A:169:PHE:HA	5	0.11
(1,518)	1:B:191:SER:H	1:B:186:GLU:HA	1	0.11
(1,518)	1:B:191:SER:H	1:B:186:GLU:HA	5	0.11
(1,517)	1:A:191:SER:H	1:A:186:GLU:HA	5	0.11
(1,460)	1:A:146:SER:H	1:A:149:LYS:HA	6	0.11
(1,314)	1:A:186:GLU:H	1:A:171:ASN:HB3	3	0.11
(1,243)	1:B:152:ASP:H	1:B:154:LEU:HA	3	0.11
(1,242)	1:A:152:ASP:H	1:A:154:LEU:HA	2	0.11
(1,242)	1:A:152:ASP:H	1:A:154:LEU:HA	8	0.11
(1,242)	1:A:152:ASP:H	1:A:154:LEU:HA	10	0.11
(1,1885)	1:A:154:LEU:HB2	1:A:157:ARG:HA	2	0.11
(1,1885)	1:A:154:LEU:HB2	1:A:162:LEU:HA	2	0.11
(1,1885)	1:A:154:LEU:HB3	1:A:157:ARG:HA	2	0.11
(1,1885)	1:A:154:LEU:HB3	1:A:162:LEU:HA	2	0.11
(1,1885)	1:A:154:LEU:HB2	1:A:157:ARG:HA	10	0.11
(1,1885)	1:A:154:LEU:HB2	1:A:162:LEU:HA	10	0.11
(1,1885)	1:A:154:LEU:HB3	1:A:157:ARG:HA	10	0.11
(1,1885)	1:A:154:LEU:HB3	1:A:162:LEU:HA	10	0.11
(1,1748)	1:A:164:GLU:HB2	1:A:185:ILE:H	1	0.11
(1,1748)	1:A:164:GLU:HB2	1:B:185:ILE:H	1	0.11
(1,1748)	1:A:172:GLN:HG2	1:A:185:ILE:H	1	0.11
(1,1748)	1:A:172:GLN:HG2	1:B:185:ILE:H	1	0.11
(1,1748)	1:A:172:GLN:HG3	1:A:185:ILE:H	1	0.11
(1,1748)	1:A:172:GLN:HG3	1:B:185:ILE:H	1	0.11
(1,1748)	1:B:164:GLU:HB2	1:A:185:ILE:H	1	0.11
(1,1748)	1:B:164:GLU:HB2	1:B:185:ILE:H	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1748)	1:B:172:GLN:HG2	1:A:185:ILE:H	1	0.11
(1,1748)	1:B:172:GLN:HG2	1:B:185:ILE:H	1	0.11
(1,1748)	1:B:172:GLN:HG3	1:A:185:ILE:H	1	0.11
(1,1748)	1:B:172:GLN:HG3	1:B:185:ILE:H	1	0.11
(1,1748)	1:A:164:GLU:HB2	1:A:185:ILE:H	2	0.11
(1,1748)	1:A:164:GLU:HB2	1:B:185:ILE:H	2	0.11
(1,1748)	1:A:172:GLN:HG2	1:A:185:ILE:H	2	0.11
(1,1748)	1:A:172:GLN:HG2	1:B:185:ILE:H	2	0.11
(1,1748)	1:A:172:GLN:HG3	1:A:185:ILE:H	2	0.11
(1,1748)	1:A:172:GLN:HG3	1:B:185:ILE:H	2	0.11
(1,1748)	1:B:164:GLU:HB2	1:A:185:ILE:H	2	0.11
(1,1748)	1:B:164:GLU:HB2	1:B:185:ILE:H	2	0.11
(1,1748)	1:B:172:GLN:HG2	1:A:185:ILE:H	2	0.11
(1,1748)	1:B:172:GLN:HG2	1:B:185:ILE:H	2	0.11
(1,1748)	1:B:172:GLN:HG3	1:A:185:ILE:H	2	0.11
(1,1748)	1:B:172:GLN:HG3	1:B:185:ILE:H	2	0.11
(1,1748)	1:A:164:GLU:HB2	1:A:185:ILE:H	9	0.11
(1,1748)	1:A:164:GLU:HB2	1:B:185:ILE:H	9	0.11
(1,1748)	1:A:172:GLN:HG2	1:A:185:ILE:H	9	0.11
(1,1748)	1:A:172:GLN:HG2	1:B:185:ILE:H	9	0.11
(1,1748)	1:A:172:GLN:HG3	1:A:185:ILE:H	9	0.11
(1,1748)	1:A:172:GLN:HG3	1:B:185:ILE:H	9	0.11
(1,1748)	1:B:164:GLU:HB2	1:A:185:ILE:H	9	0.11
(1,1748)	1:B:164:GLU:HB2	1:B:185:ILE:H	9	0.11
(1,1748)	1:B:172:GLN:HG2	1:A:185:ILE:H	9	0.11
(1,1748)	1:B:172:GLN:HG2	1:B:185:ILE:H	9	0.11
(1,1748)	1:B:172:GLN:HG3	1:A:185:ILE:H	9	0.11
(1,1748)	1:B:172:GLN:HG3	1:B:185:ILE:H	9	0.11
(1,1474)	1:B:162:LEU:HD21	1:B:165:VAL:HB	1	0.11
(1,1474)	1:B:162:LEU:HD22	1:B:165:VAL:HB	1	0.11
(1,1474)	1:B:162:LEU:HD23	1:B:165:VAL:HB	1	0.11
(1,1473)	1:A:162:LEU:HD21	1:A:165:VAL:HB	5	0.11
(1,1473)	1:A:162:LEU:HD22	1:A:165:VAL:HB	5	0.11
(1,1473)	1:A:162:LEU:HD23	1:A:165:VAL:HB	5	0.11
(1,1430)	1:B:178:LEU:HD21	1:B:164:GLU:HA	8	0.11
(1,1430)	1:B:178:LEU:HD22	1:B:164:GLU:HA	8	0.11
(1,1430)	1:B:178:LEU:HD23	1:B:164:GLU:HA	8	0.11
(1,1429)	1:A:178:LEU:HD21	1:A:164:GLU:HA	8	0.11
(1,1429)	1:A:178:LEU:HD22	1:A:164:GLU:HA	8	0.11
(1,1429)	1:A:178:LEU:HD23	1:A:164:GLU:HA	8	0.11
(1,1269)	1:B:196:LEU:HA	1:B:154:LEU:HB2	6	0.11
(1,1269)	1:B:196:LEU:HA	1:B:154:LEU:HB3	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1211)	1:B:213:VAL:HA	1:B:151:GLN:HB2	4	0.11
(1,1211)	1:B:213:VAL:HA	1:B:151:GLN:HB3	4	0.11
(1,1098)	1:B:177:ALA:H	1:B:182:LYS:HD2	9	0.11
(1,1098)	1:B:177:ALA:H	1:B:182:LYS:HD3	9	0.11
(1,1097)	1:A:177:ALA:H	1:A:182:LYS:HD2	2	0.11
(1,1097)	1:A:177:ALA:H	1:A:182:LYS:HD3	2	0.11
(1,1092)	1:B:166:GLU:H	1:B:167:LYS:HD2	6	0.11
(1,1092)	1:B:166:GLU:H	1:B:167:LYS:HD3	6	0.11
(1,1076)	1:B:165:VAL:H	1:B:170:THR:HA	2	0.11
(1,1076)	1:B:165:VAL:H	1:B:170:THR:HA	4	0.11
(1,1075)	1:A:165:VAL:H	1:A:170:THR:HA	2	0.11

10 Dihedral-angle violation analysis

No dihedral-angle restraints found