Full wwPDB NMR Structure Validation Report (i)

Jun 5, 2023 – 07:01 AM EDT

PDB ID	:	2LTQ
BMRB ID	:	18493
Title	:	High resolution structure of DsbB C41S by joint calculation with solid-state NMR and X-ray data
Authors	:	Tang, M.; Sperling, L.J.; Schwieters, C.D.; Nesbitt, A.E.; Gennis, R.B.; Rienstra, C.M.
Deposited on	:	2012-05-30

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

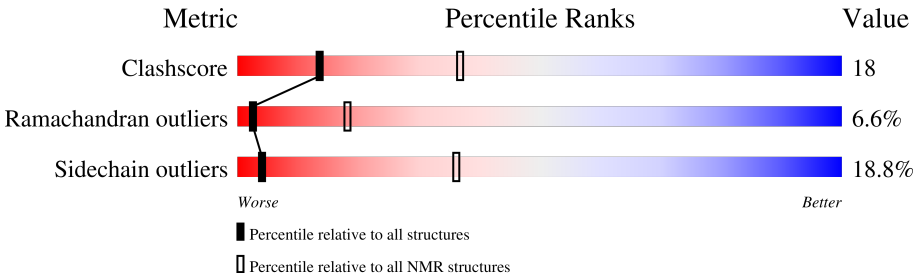
MolProbity	:	4.02b-467
Mogul	:	1.8.5 (274361), CSD as541be (2020)
buster-report	:	1.1.7 (2018)
Percentile statistics	:	20191225.v01 (using entries in the PDB archive December 25th 2019)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints 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 (i)

The following experimental techniques were used to determine the structure:
SOLID-STATE NMR

The overall completeness of chemical shifts assignment is 2%.

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 <=5%

Mol	Chain	Length	Quality of chain
1	A	176	9% 14% • 61% 16%
1	D	176	9% 8% • 67% 16%
2	B	239	50% 32% 9% 9%
2	E	239	55% 27% 8% • 9%
3	C	221	52% 34% 11% •
3	F	221	52% 36% 8% • •

2 Ensemble composition and analysis (i)

This entry contains 10 models. Model 4 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:15-A:29, A:53-A:55, A:73-A:93, A:151-A:152, B:21-B:132, B:134-B:239, C:1-C:100, C:105-C:119, C:121-C:221, D:53-D:62, D:72-D:91, E:21-E:132, E:134-E:239, F:1-F:119, F:121-F:215 (937)	0.13	4

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 1 clusters. No single-model clusters were found.

Cluster number	Models
1	1, 2, 3, 4, 5, 6, 7, 8, 9, 10

3 Entry composition (i)

There are 4 unique types of molecules in this entry. The entry contains 17810 atoms, of which 8819 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Disulfide bond formation protein B.

Mol	Chain	Residues	Atoms						Trace
1	A	148	Total	C	H	N	O	S	0
			2387	794	1212	183	189	9	
1	D	148	Total	C	H	N	O	S	0
			2387	794	1212	183	189	9	

There are 6 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	8	ALA	CYS	engineered mutation	UNP P0A6M2
A	41	SER	CYS	engineered mutation	UNP P0A6M2
A	49	VAL	CYS	engineered mutation	UNP P0A6M2
D	8	ALA	CYS	engineered mutation	UNP P0A6M2
D	41	SER	CYS	engineered mutation	UNP P0A6M2
D	49	VAL	CYS	engineered mutation	UNP P0A6M2

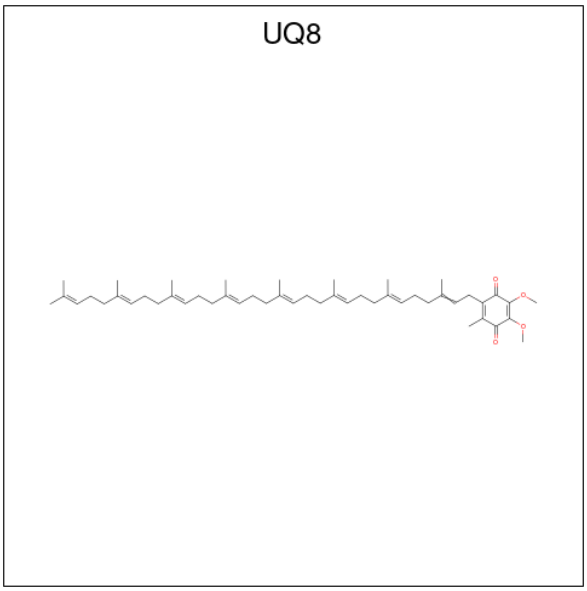
- Molecule 2 is a protein called Fab fragment light chain.

Mol	Chain	Residues	Atoms						Trace
2	B	218	Total	C	H	N	O	S	0
			3319	1052	1629	283	347	8	
2	E	218	Total	C	H	N	O	S	0
			3319	1052	1629	283	347	8	

- Molecule 3 is a protein called Fab fragment heavy chain.

Mol	Chain	Residues	Atoms						Trace
3	C	216	Total	C	H	N	O	S	0
			3189	1017	1574	264	325	9	
3	F	214	Total	C	H	N	O	S	0
			3173	1015	1563	262	324	9	

- Molecule 4 is Ubiquinone-8 (three-letter code: UQ8) (formula: $C_{49}H_{74}O_4$).



Mol	Chain	Residues	Atoms		
4	A	1	Total	C	O
			18	14	4
4	D	1	Total	C	O
			18	14	4

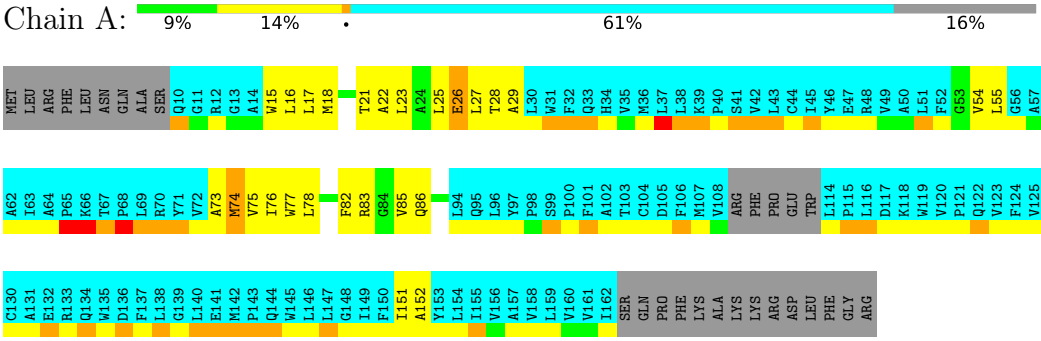
4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

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

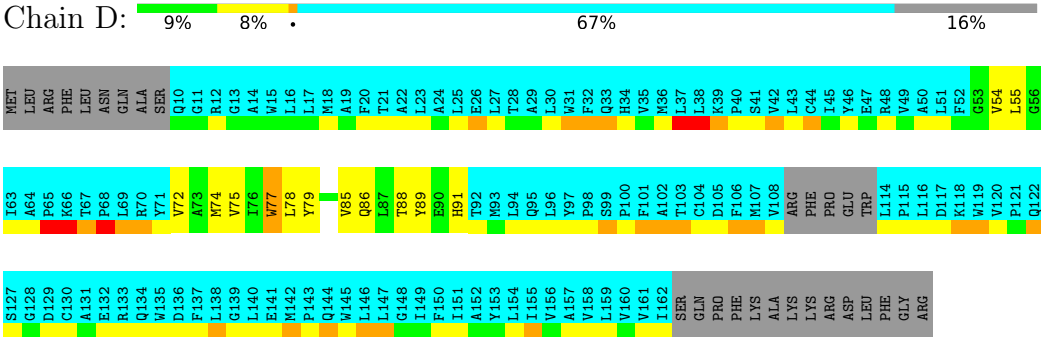
• Molecule 1: Disulfide bond formation protein B

Chain A:



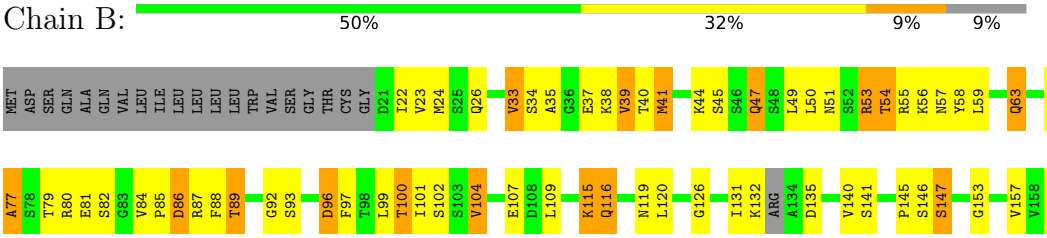
• Molecule 1: Disulfide bond formation protein B

Chain D:



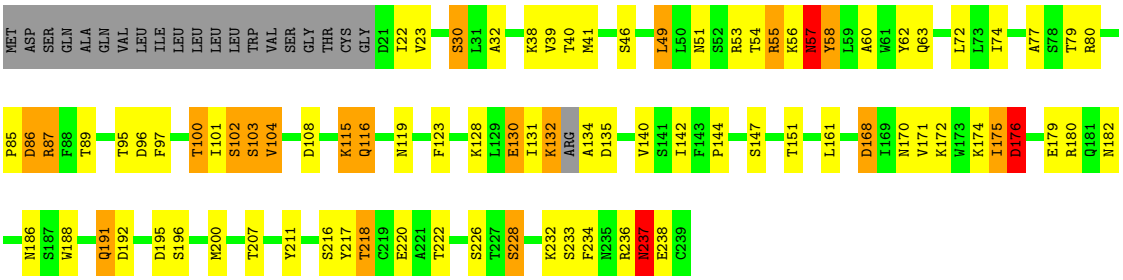
• Molecule 2: Fab fragment light chain

Chain B:



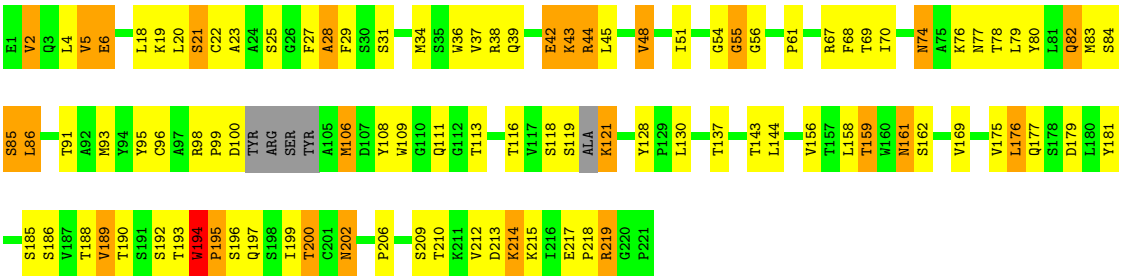
• Molecule 2: Fab fragment light chain

Chain E:



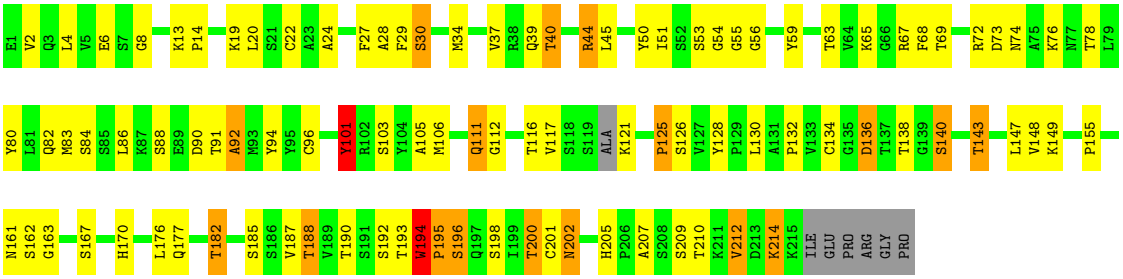
• Molecule 3: Fab fragment heavy chain

Chain C:



• Molecule 3: Fab fragment heavy chain

Chain F:



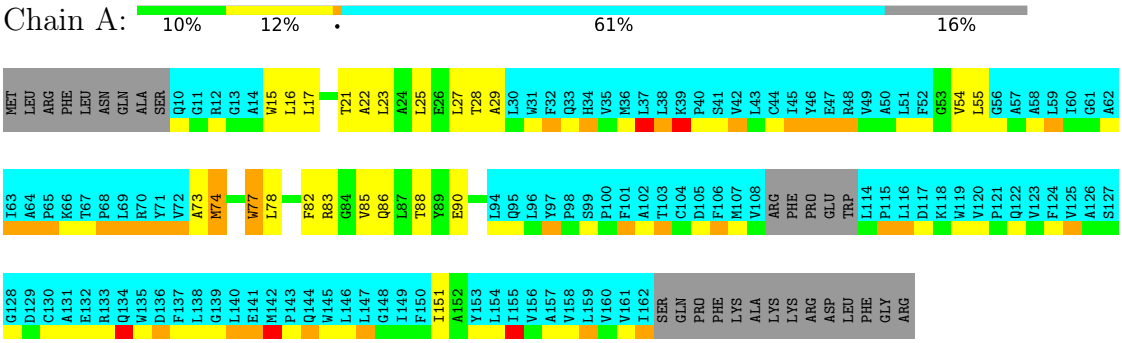
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

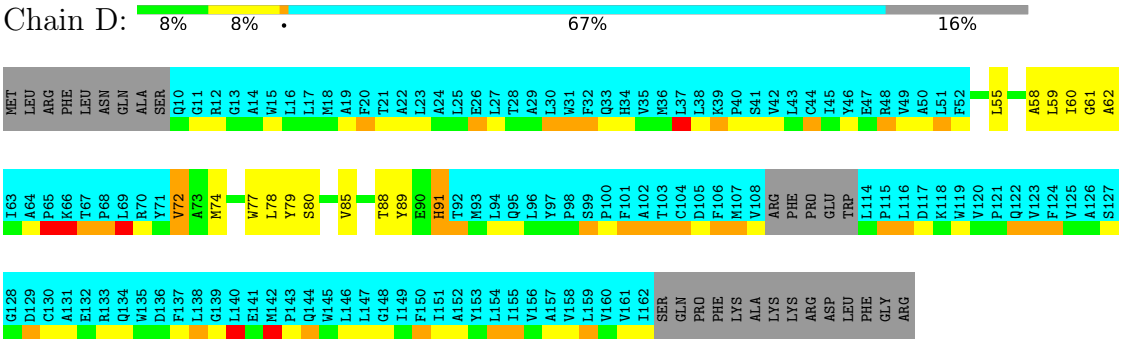
• Molecule 1: Disulfide bond formation protein B

Chain A:



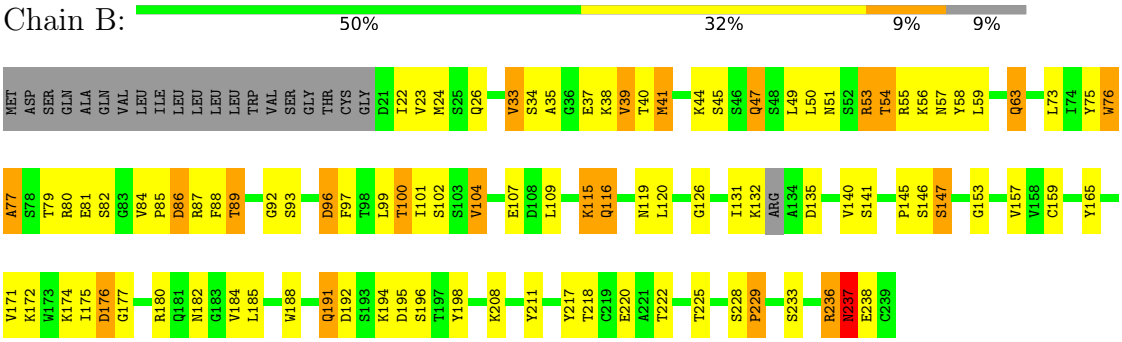
• Molecule 1: Disulfide bond formation protein B

Chain D:



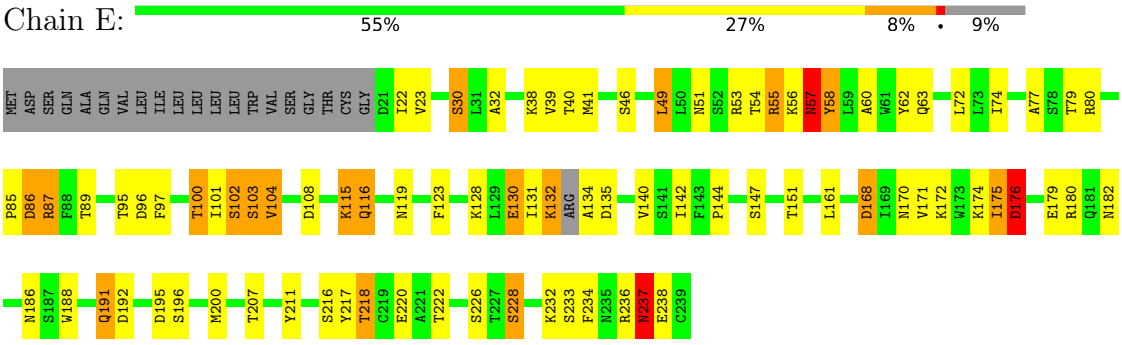
• Molecule 2: Fab fragment light chain

Chain B:



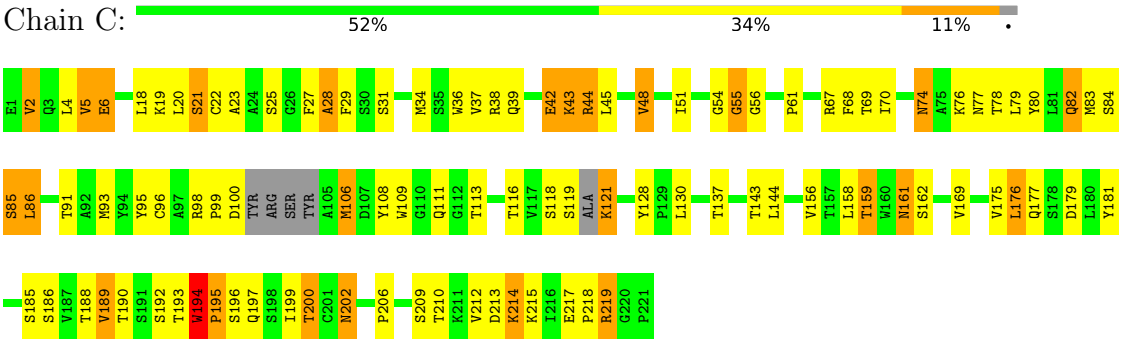
• Molecule 2: Fab fragment light chain

Chain E:



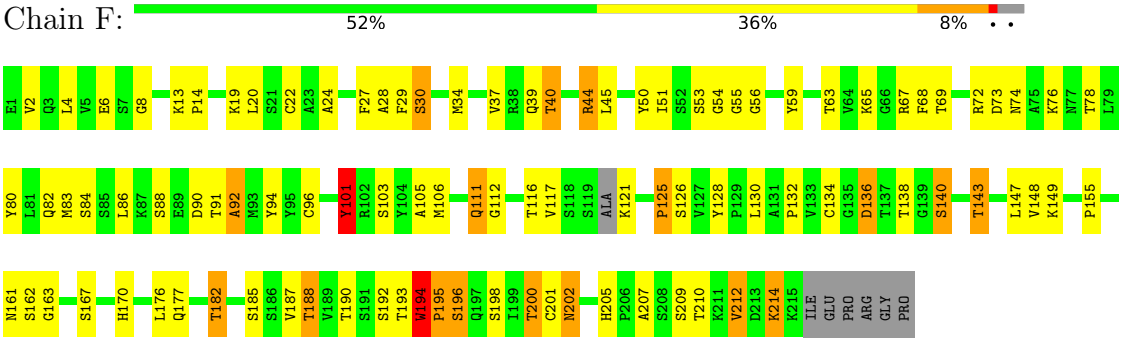
• Molecule 3: Fab fragment heavy chain

Chain C:



• Molecule 3: Fab fragment heavy chain

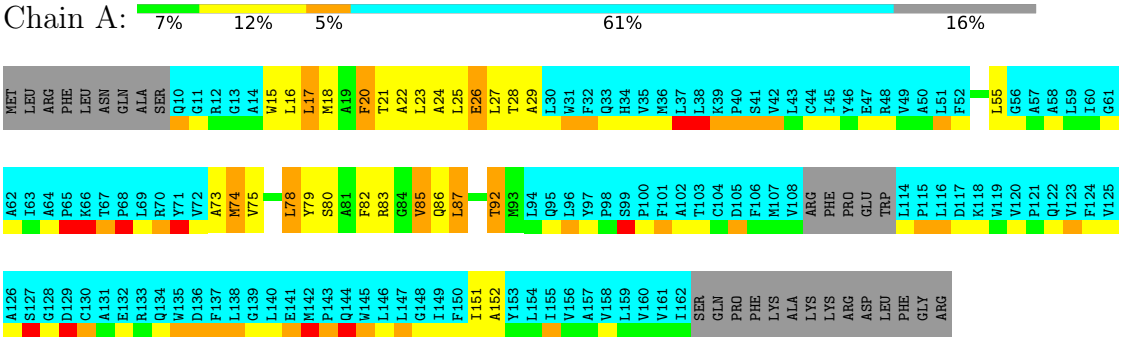
Chain F:



4.2.2 Score per residue for model 2

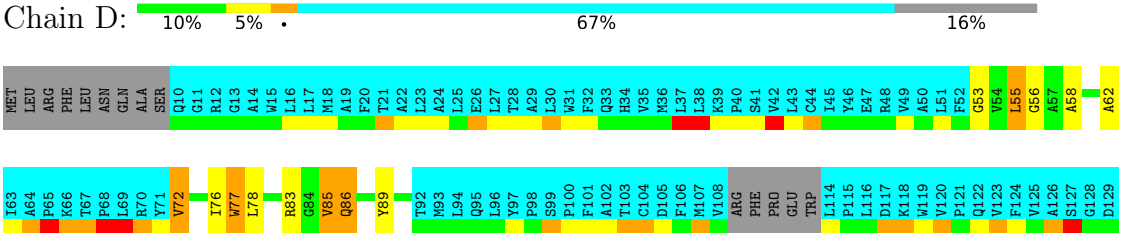
• Molecule 1: Disulfide bond formation protein B

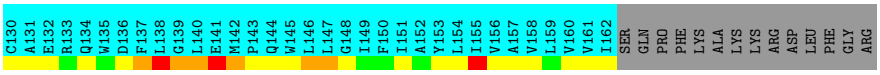
Chain A:



• Molecule 1: Disulfide bond formation protein B

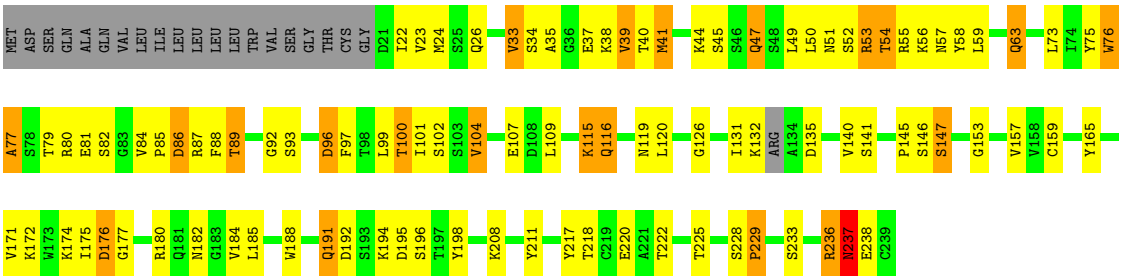
Chain D:





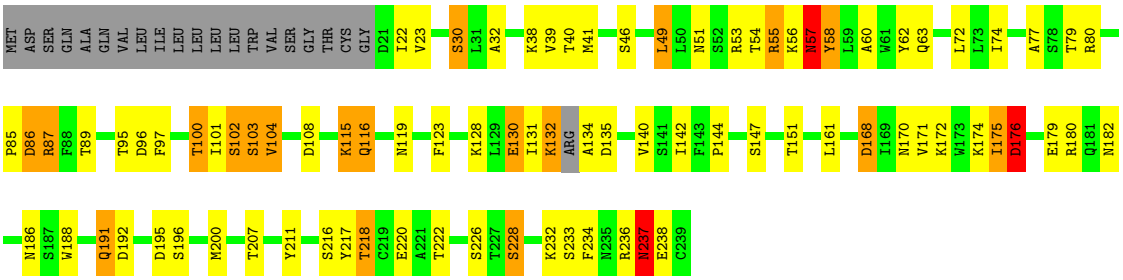
• Molecule 2: Fab fragment light chain

Chain B:



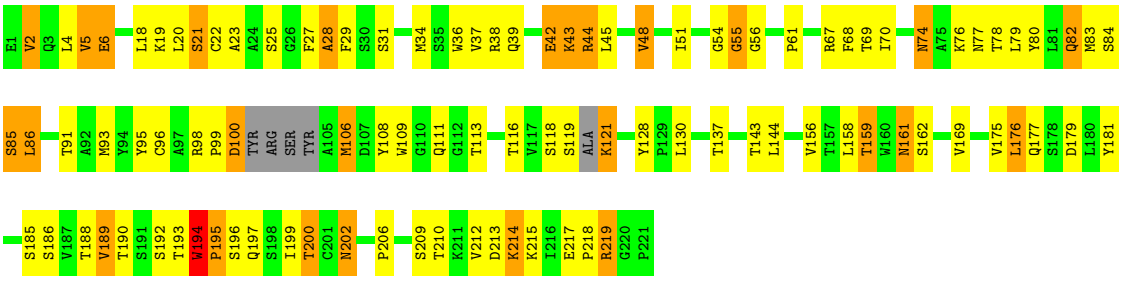
• Molecule 2: Fab fragment light chain

Chain E:



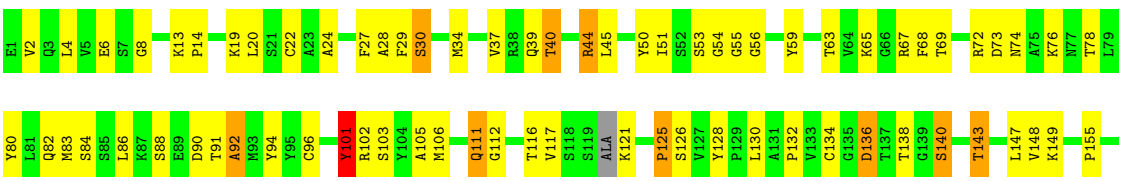
• Molecule 3: Fab fragment heavy chain

Chain C:



• Molecule 3: Fab fragment heavy chain

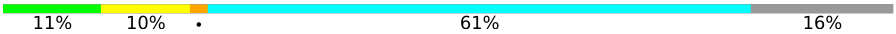
Chain F:

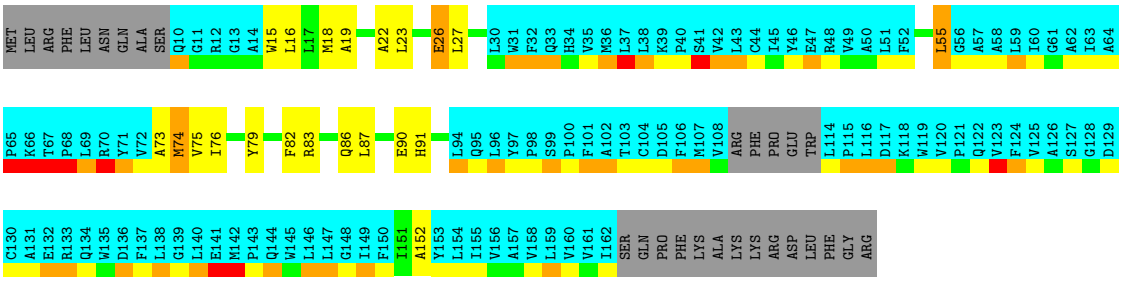


4.2.3 Score per residue for model 3

• Molecule 1: Disulfide bond formation protein B

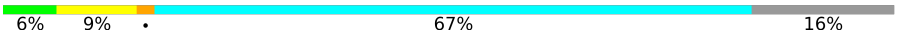
Chain A:





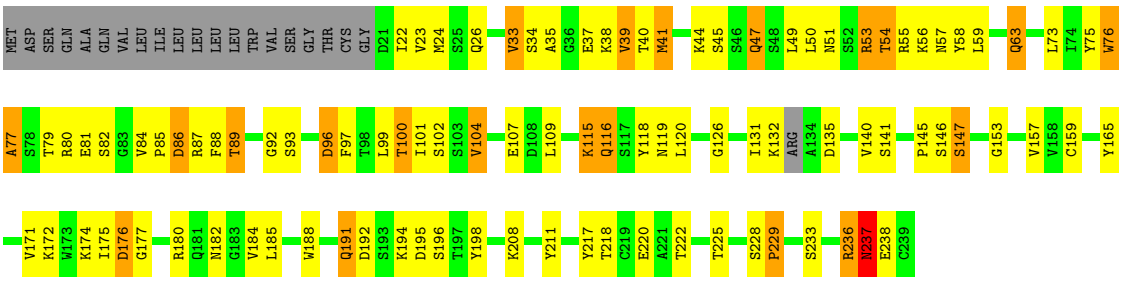
• Molecule 1: Disulfide bond formation protein B

Chain D:



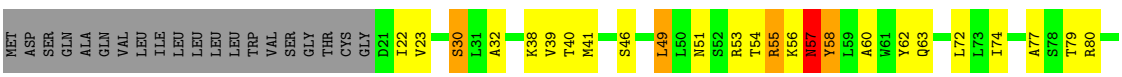
• Molecule 2: Fab fragment light chain

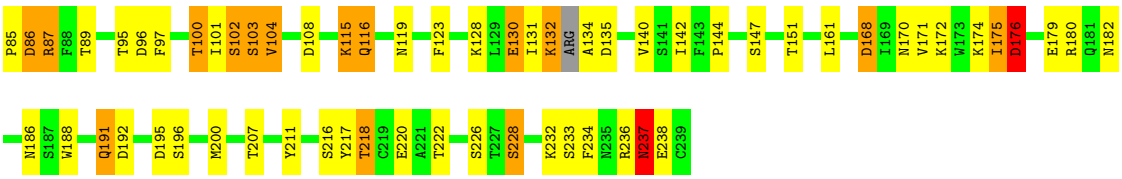
Chain B:



• Molecule 2: Fab fragment light chain

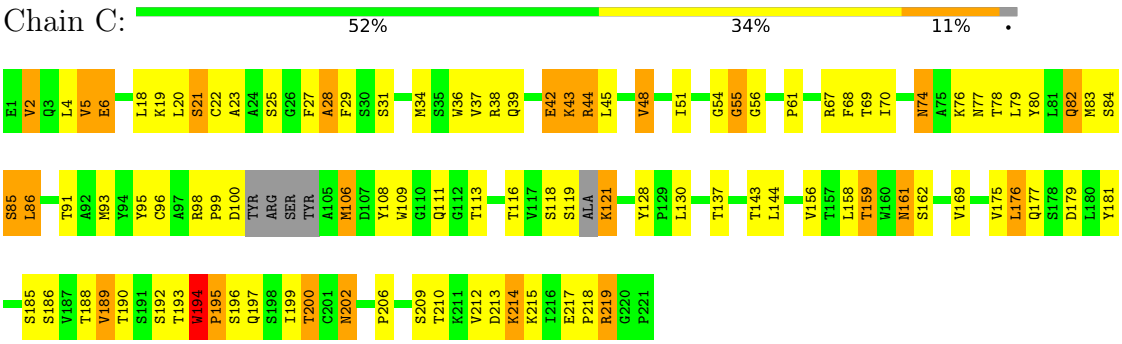
Chain E:





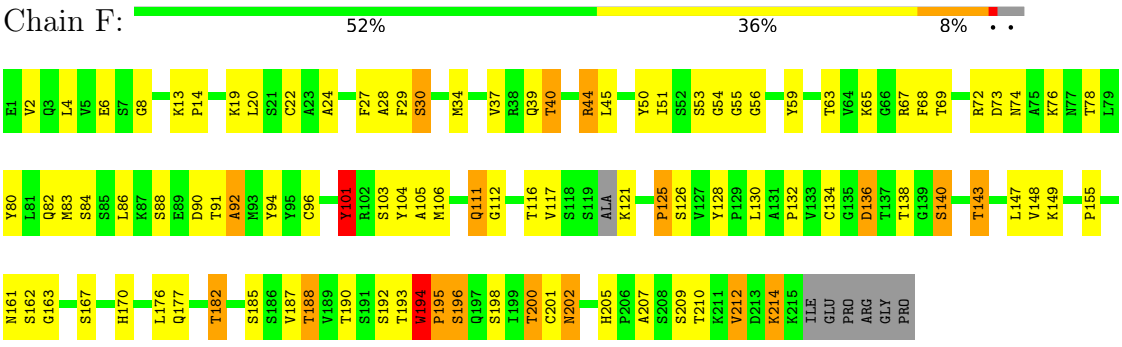
• Molecule 3: Fab fragment heavy chain

Chain C:



• Molecule 3: Fab fragment heavy chain

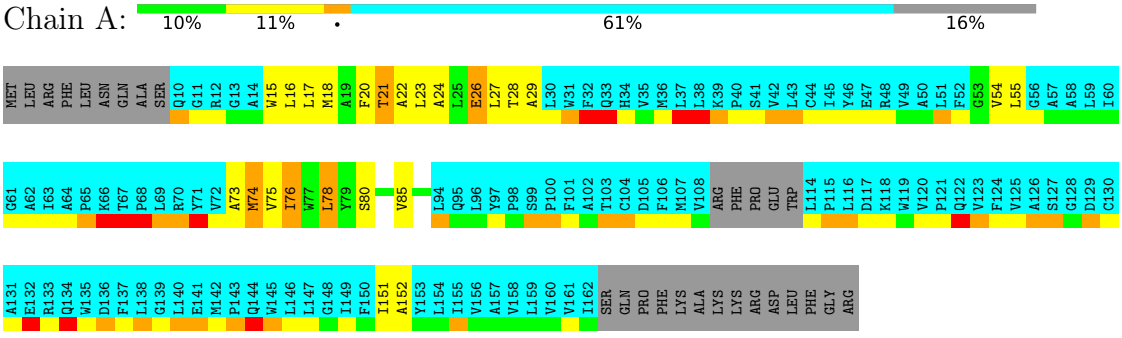
Chain F:



4.2.4 Score per residue for model 4 (medoid)

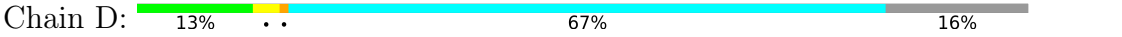
• Molecule 1: Disulfide bond formation protein B

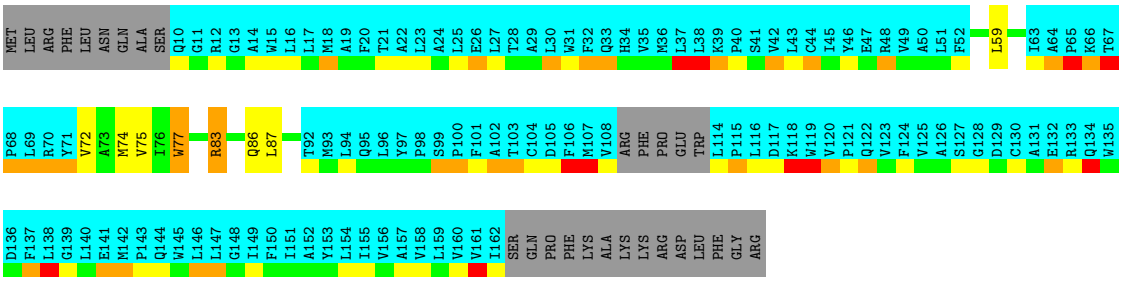
Chain A:



• Molecule 1: Disulfide bond formation protein B

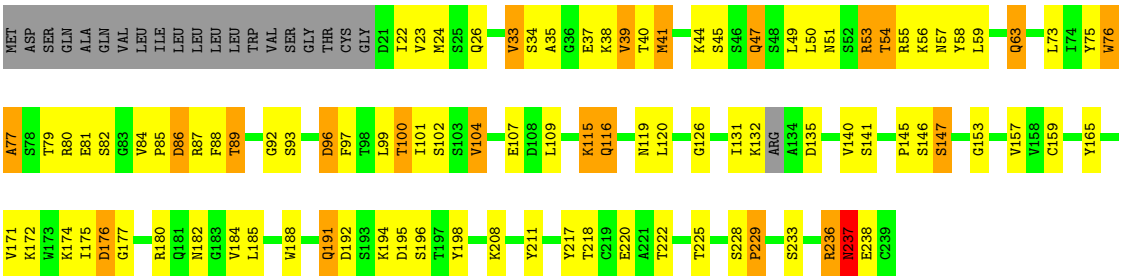
Chain D:





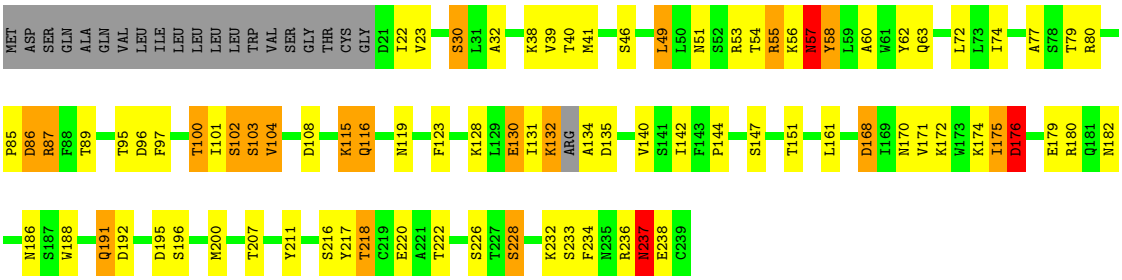
• Molecule 2: Fab fragment light chain

Chain B:



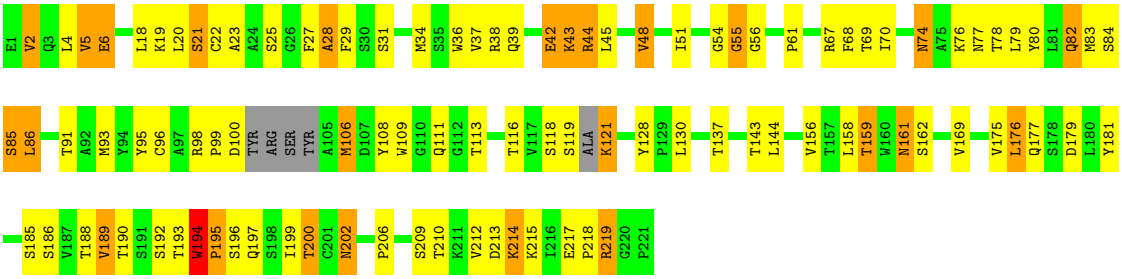
• Molecule 2: Fab fragment light chain

Chain E:



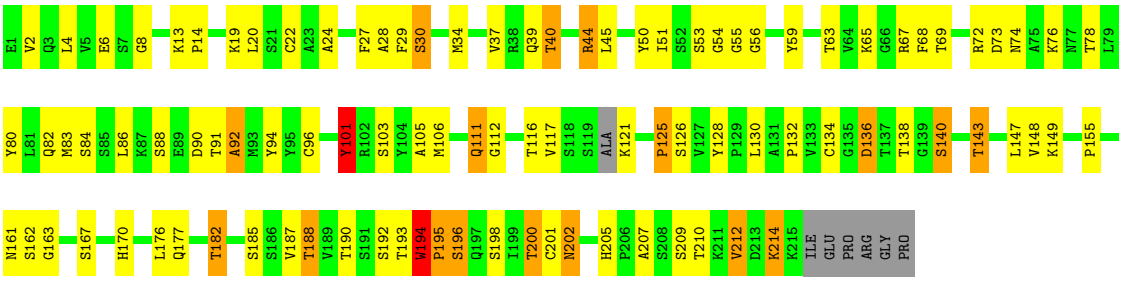
• Molecule 3: Fab fragment heavy chain

Chain C:



• Molecule 3: Fab fragment heavy chain

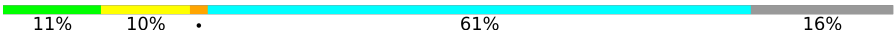
Chain F:

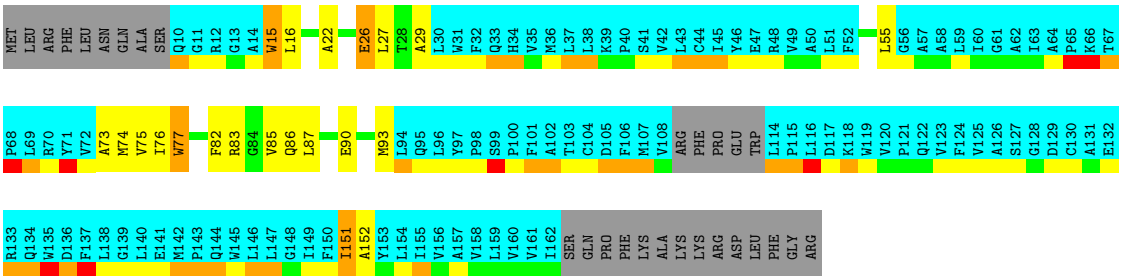


4.2.5 Score per residue for model 5

• Molecule 1: Disulfide bond formation protein B

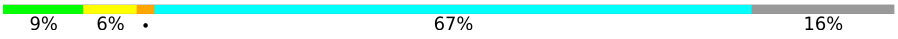
Chain A:

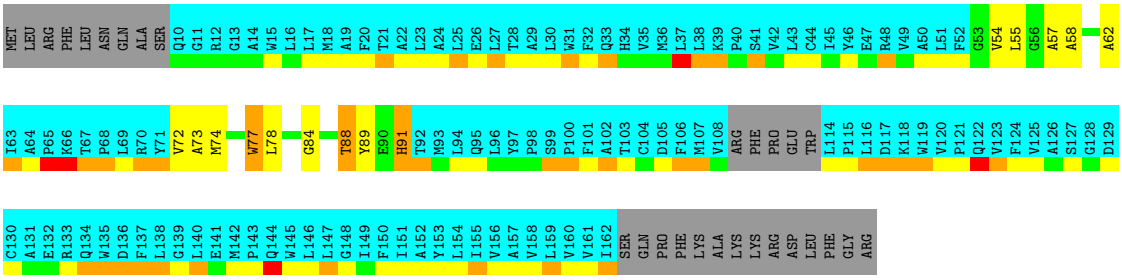




• Molecule 1: Disulfide bond formation protein B

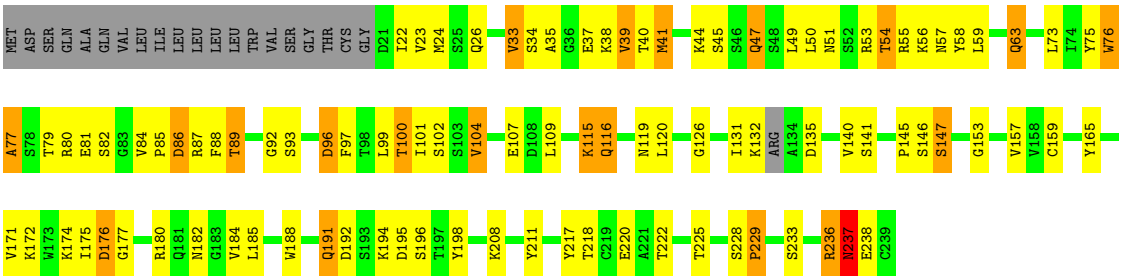
Chain D:





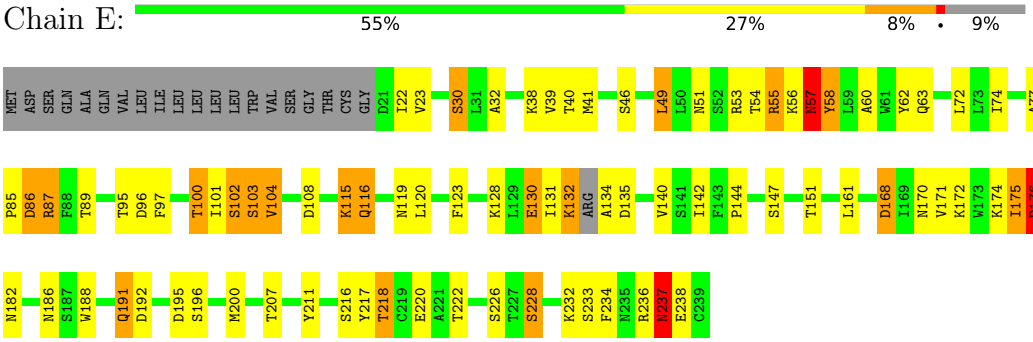
• Molecule 2: Fab fragment light chain

Chain B:



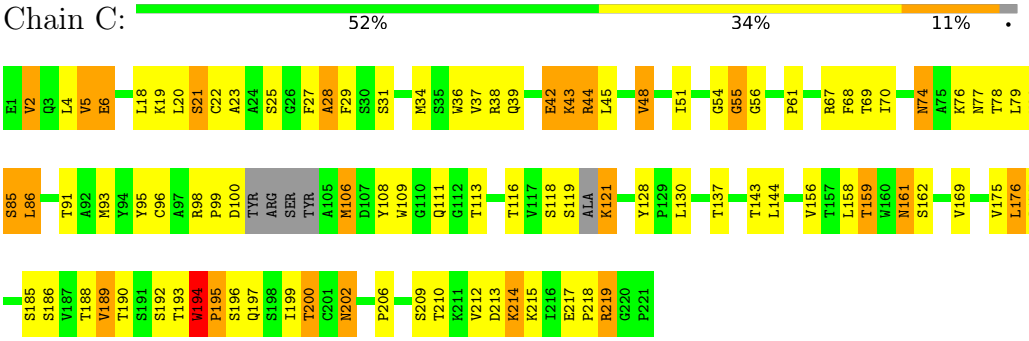
• Molecule 2: Fab fragment light chain

Chain E:



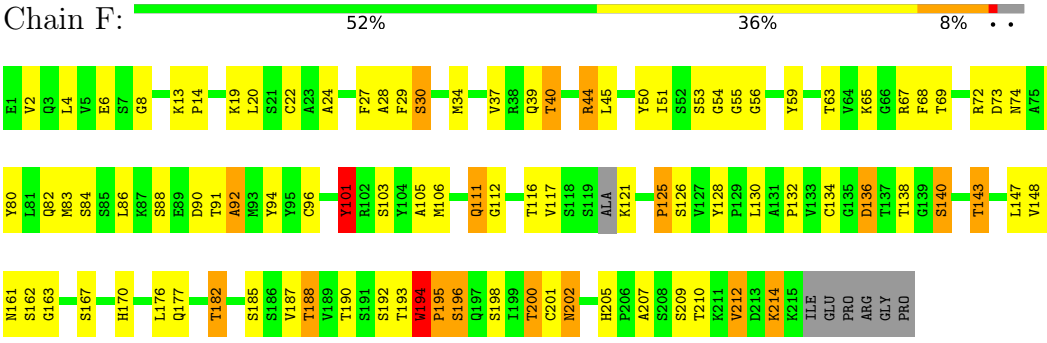
• Molecule 3: Fab fragment heavy chain

Chain C:



• Molecule 3: Fab fragment heavy chain

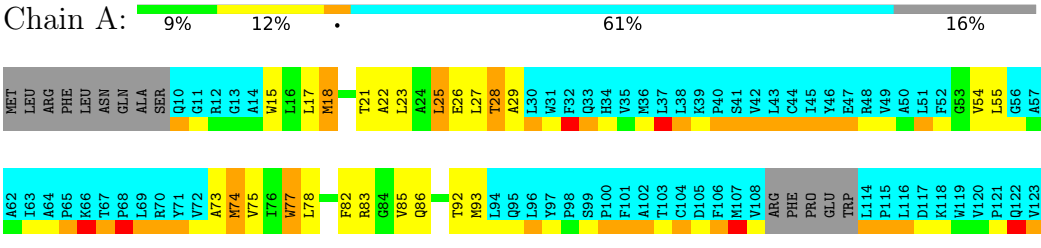
Chain F:



4.2.6 Score per residue for model 6

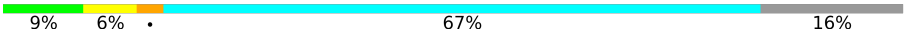
• Molecule 1: Disulfide bond formation protein B

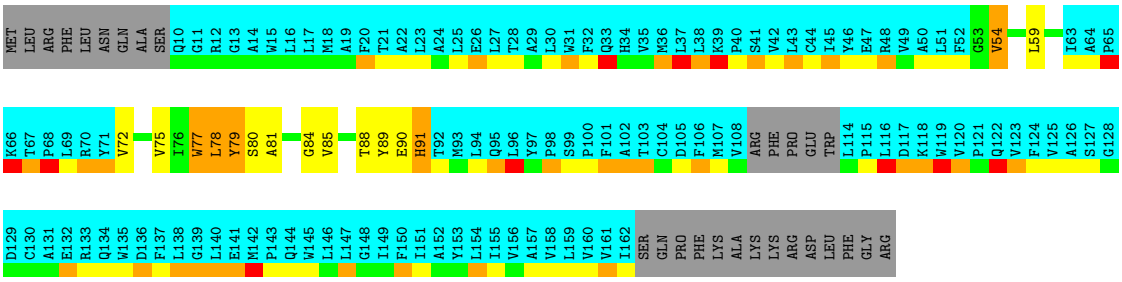
Chain A:



• Molecule 1: Disulfide bond formation protein B

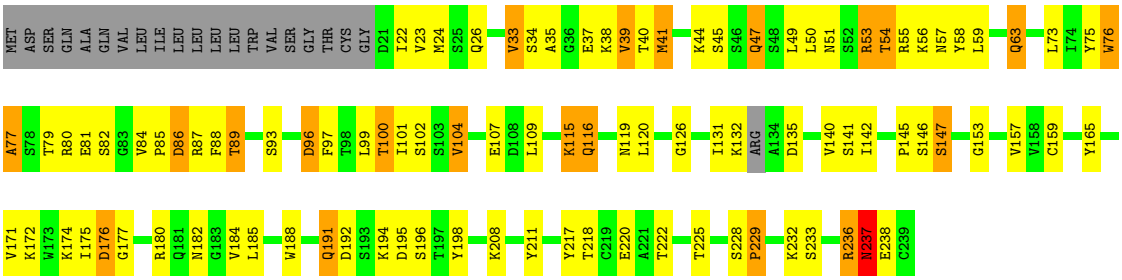
Chain D:





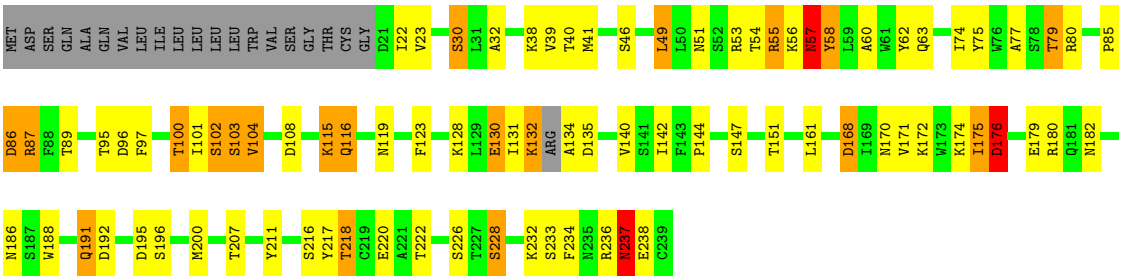
• Molecule 2: Fab fragment light chain

Chain B:



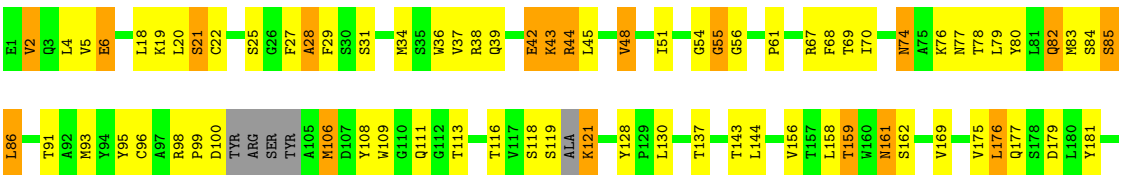
• Molecule 2: Fab fragment light chain

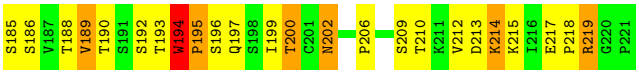
Chain E:



• Molecule 3: Fab fragment heavy chain

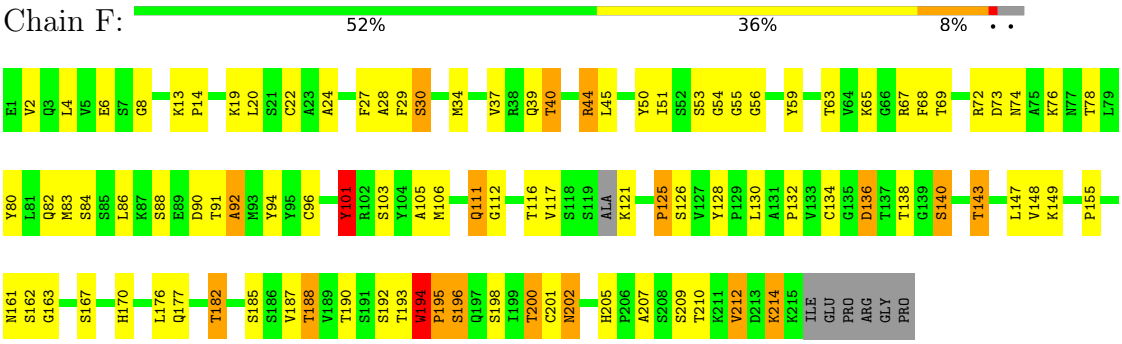
Chain C:





• Molecule 3: Fab fragment heavy chain

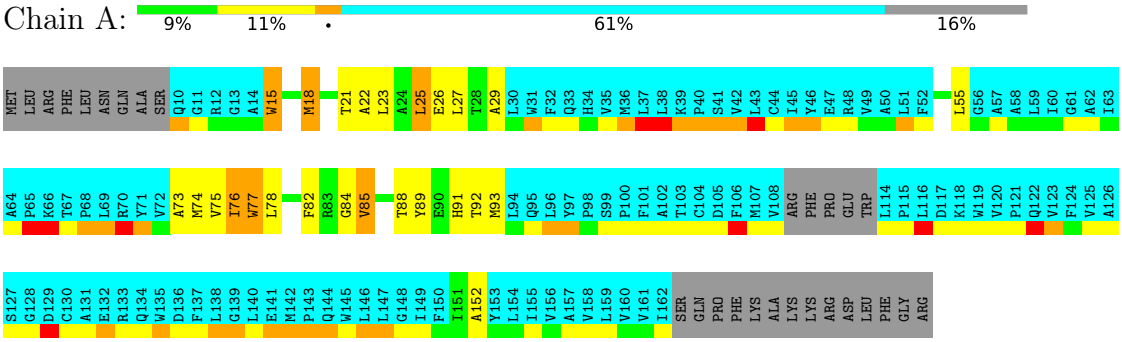
Chain F:



4.2.7 Score per residue for model 7

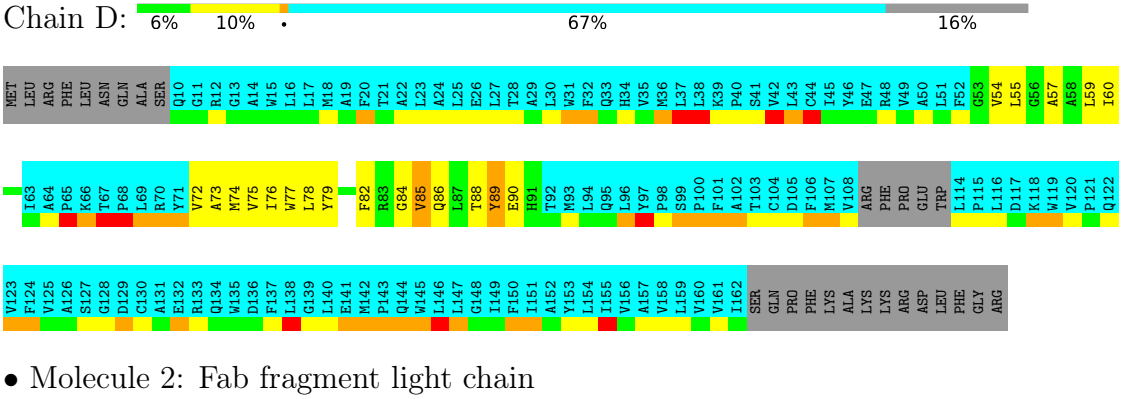
• Molecule 1: Disulfide bond formation protein B

Chain A:



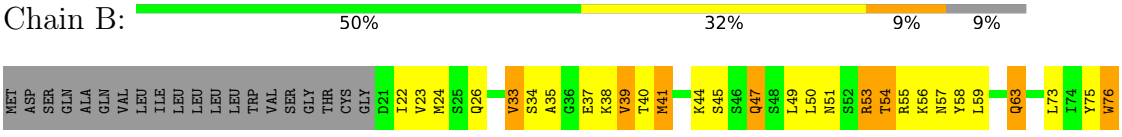
• Molecule 1: Disulfide bond formation protein B

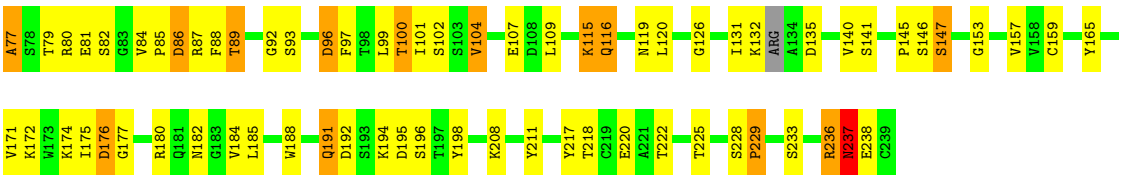
Chain D:



• Molecule 2: Fab fragment light chain

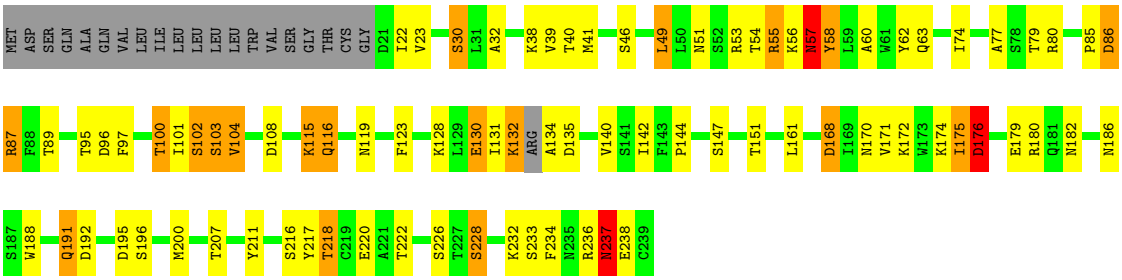
Chain B:





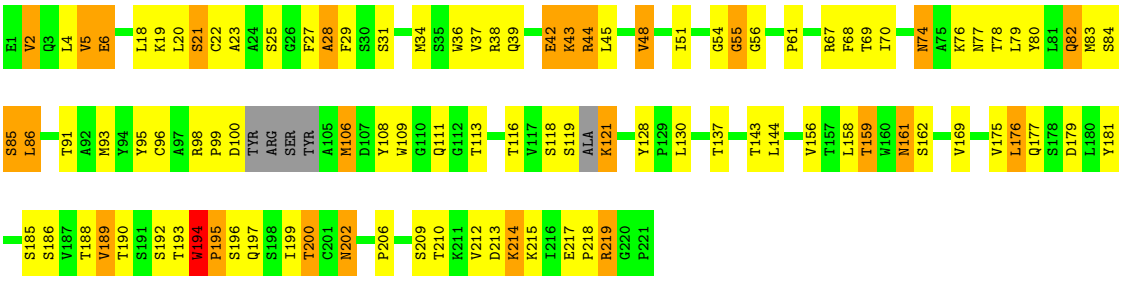
• Molecule 2: Fab fragment light chain

Chain E:



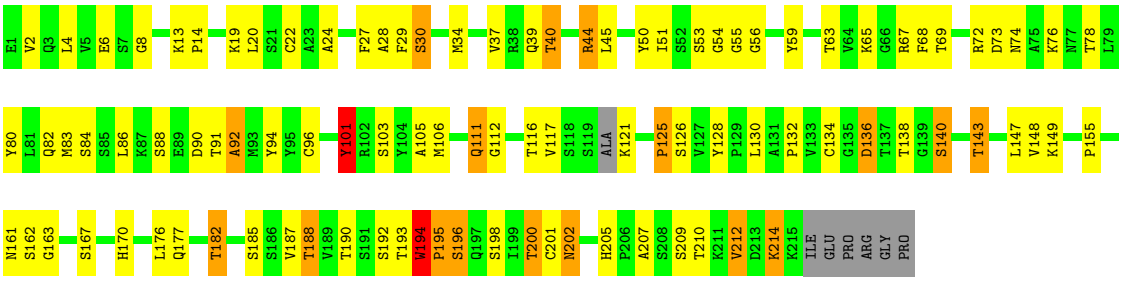
• Molecule 3: Fab fragment heavy chain

Chain C:



• Molecule 3: Fab fragment heavy chain

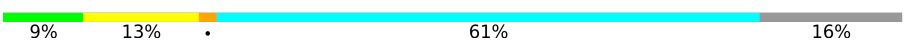
Chain F:

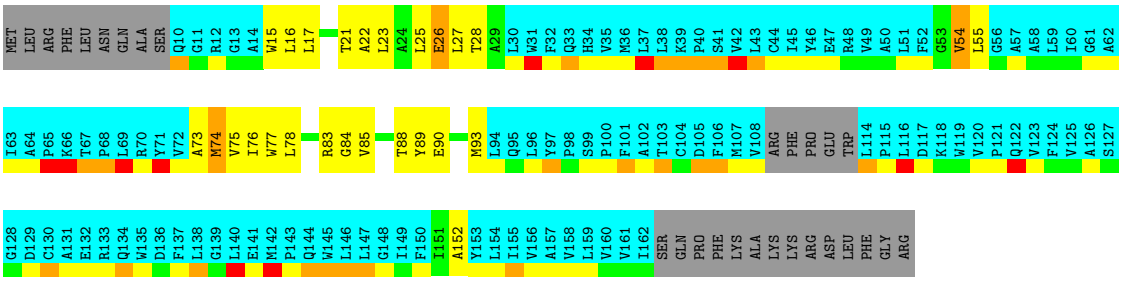


4.2.8 Score per residue for model 8

• Molecule 1: Disulfide bond formation protein B

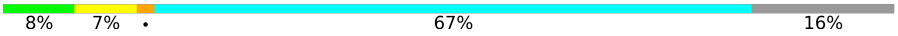
Chain A:

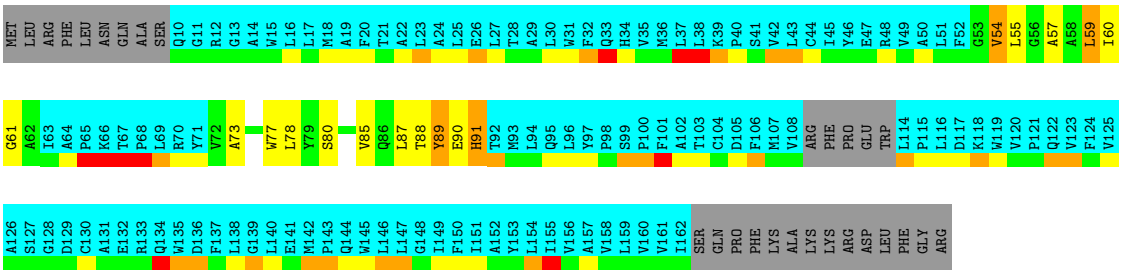




• Molecule 1: Disulfide bond formation protein B

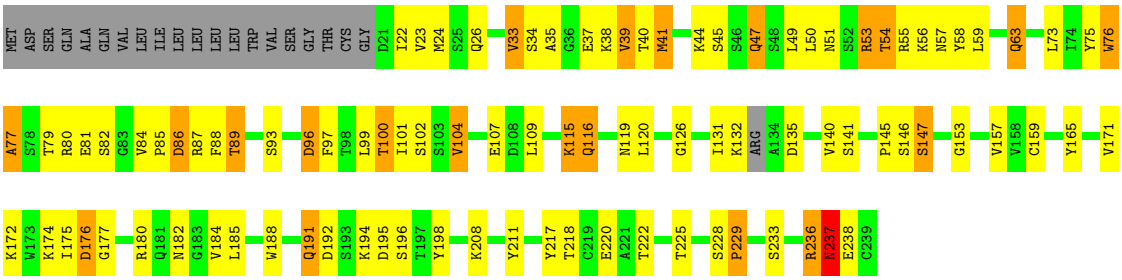
Chain D:





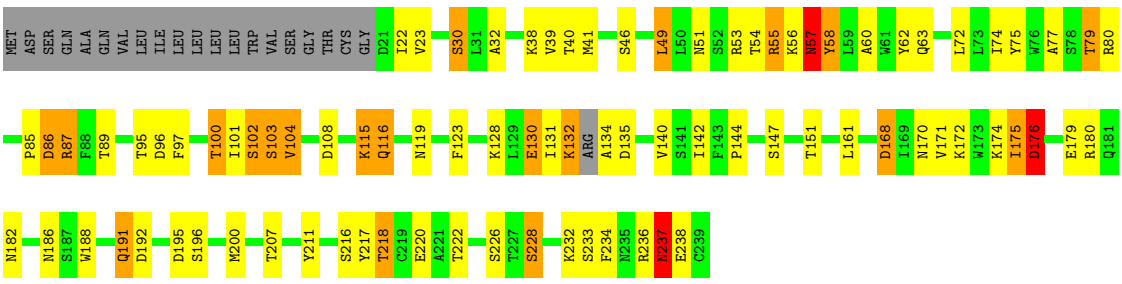
• Molecule 2: Fab fragment light chain

Chain B:



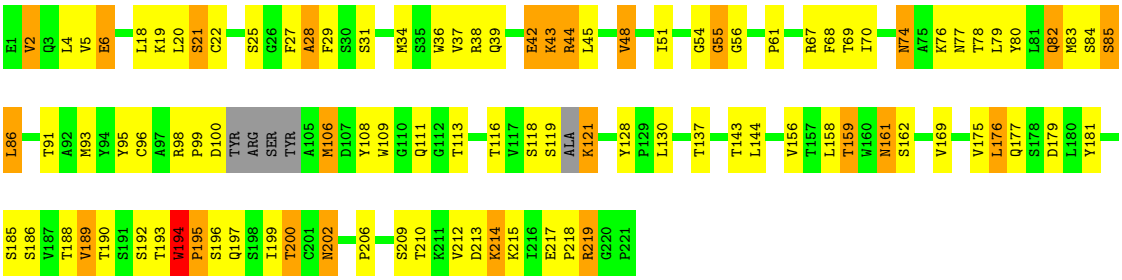
• Molecule 2: Fab fragment light chain

Chain E:

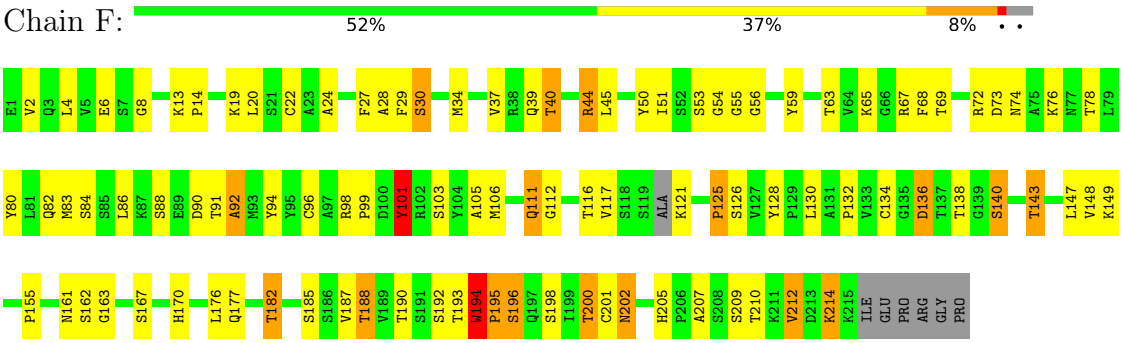


• Molecule 3: Fab fragment heavy chain

Chain C:

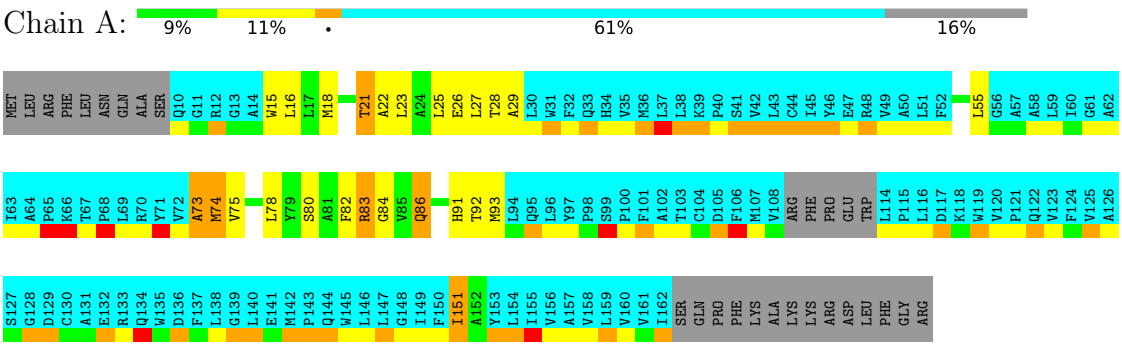


• Molecule 3: Fab fragment heavy chain

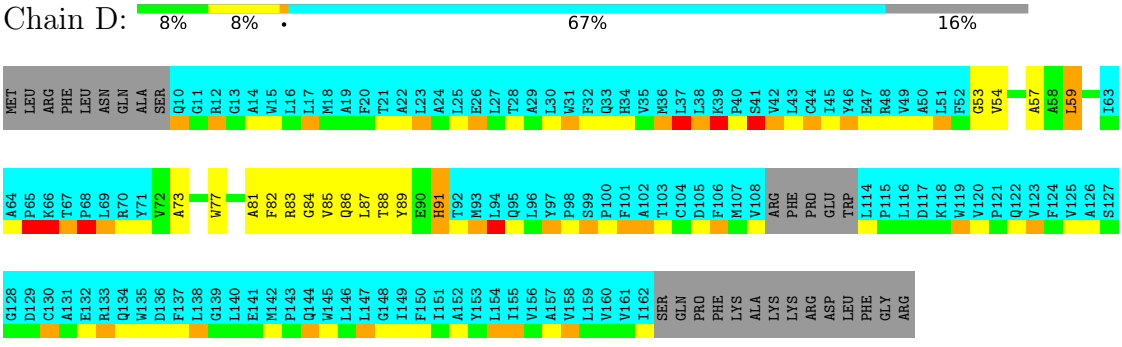


4.2.9 Score per residue for model 9

• Molecule 1: Disulfide bond formation protein B

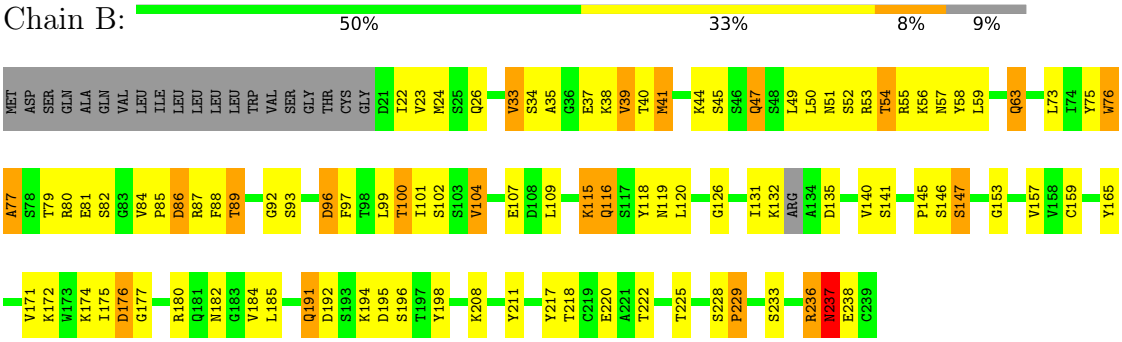


• Molecule 1: Disulfide bond formation protein B



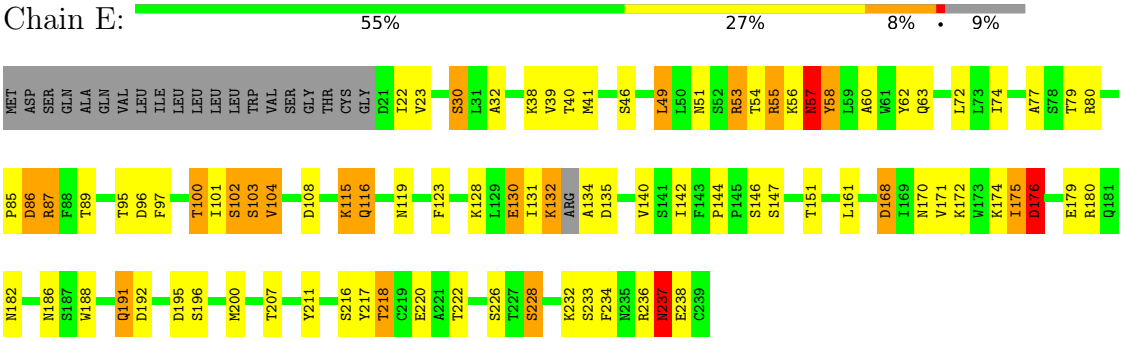
• Molecule 2: Fab fragment light chain

Chain B:



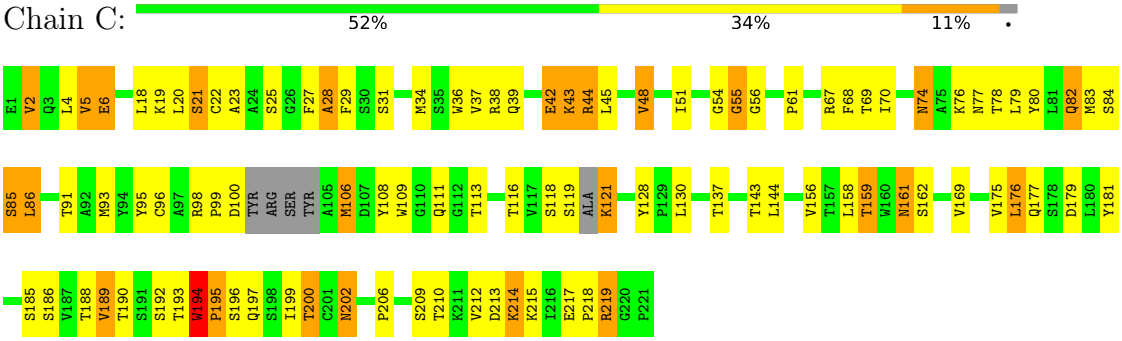
• Molecule 2: Fab fragment light chain

Chain E:



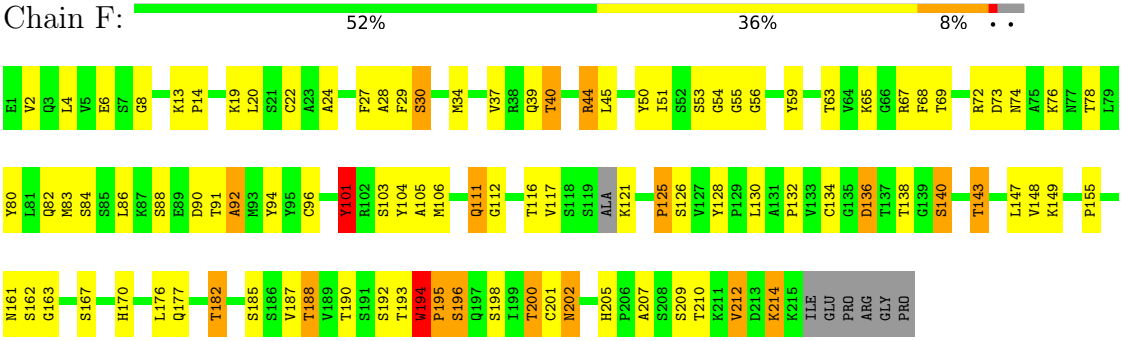
• Molecule 3: Fab fragment heavy chain

Chain C:



• Molecule 3: Fab fragment heavy chain

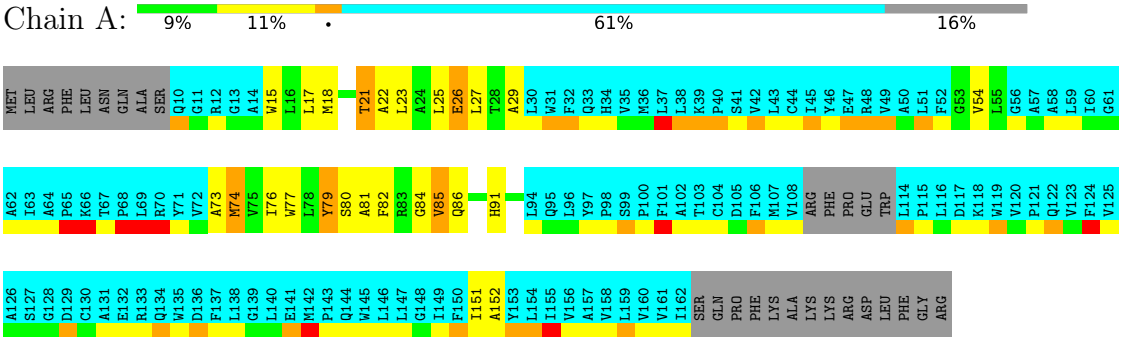
Chain F:



4.2.10 Score per residue for model 10

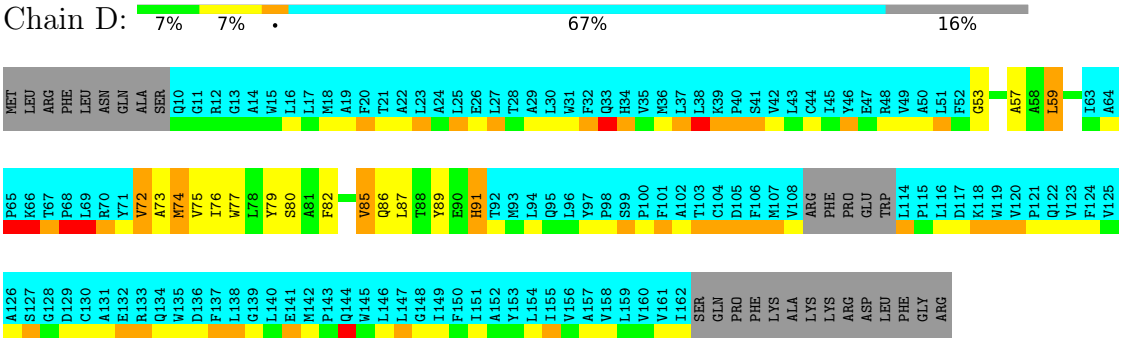
• Molecule 1: Disulfide bond formation protein B

Chain A:



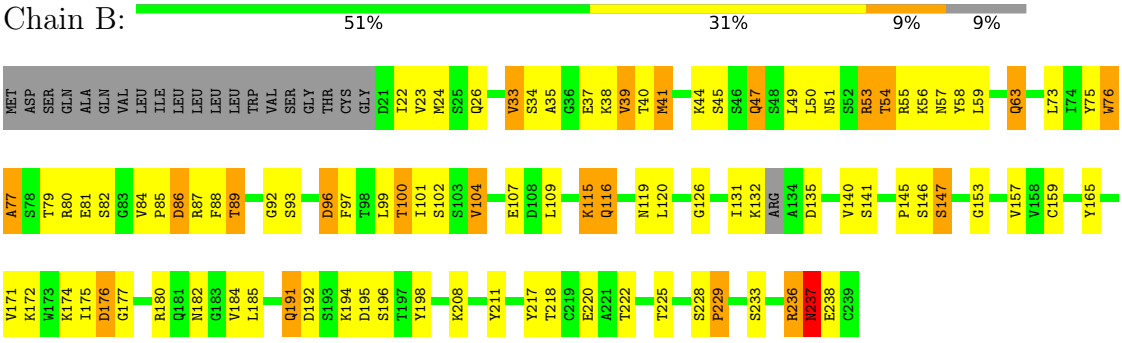
• Molecule 1: Disulfide bond formation protein B

Chain D:



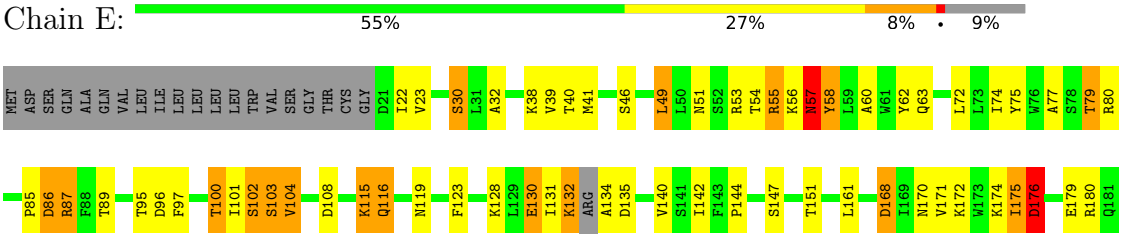
• Molecule 2: Fab fragment light chain

Chain B:



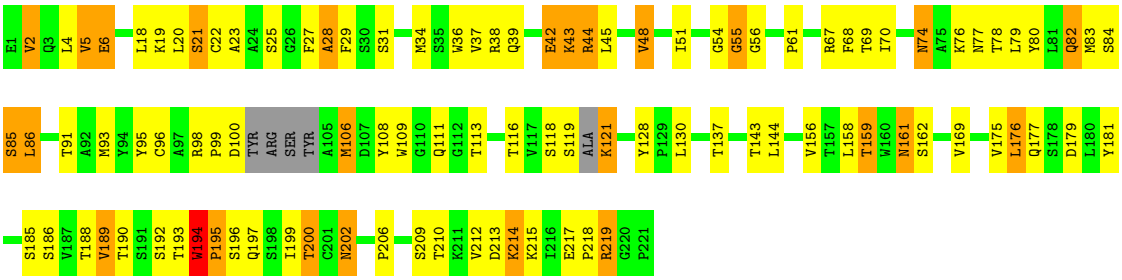
• Molecule 2: Fab fragment light chain

Chain E:



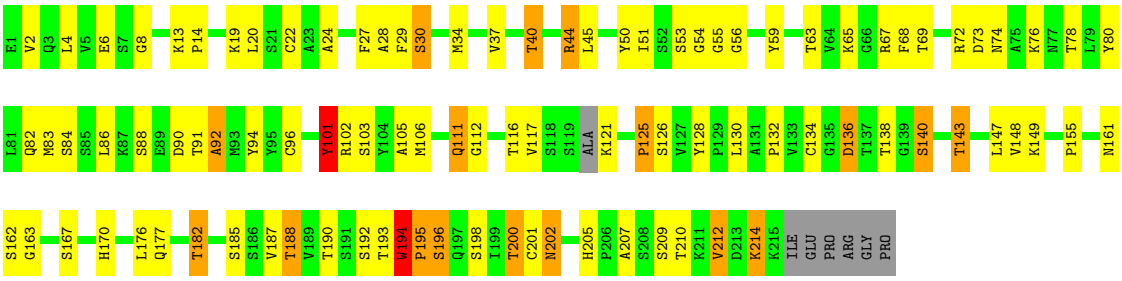
• Molecule 3: Fab fragment heavy chain

Chain C:



• Molecule 3: Fab fragment heavy chain

Chain F:



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
X-PLOR NIH	refinement	
X-PLOR NIH	structure solution	

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	744
Number of shifts mapped to atoms	671
Number of unparsed shifts	0
Number of shifts with mapping errors	73
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	2%

Note: This is a solid-state NMR structure, where hydrogen atoms are typically not assigned a chemical shift value, which may lead to lower completeness of assignment measure.

6 Model quality

6.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: UQ8

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

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

Mol	Chain	Chirality	Planarity
2	E	0.0±0.0	1.0±0.0
3	C	0.0±0.0	1.0±0.0
3	F	0.0±0.0	1.0±0.0
All	All	0	30

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

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

Mol	Chain	Res	Type	Group	Models (Total)
3	C	194	TRP	Peptide	10
2	E	57	ASN	Peptide	10
3	F	194	TRP	Peptide	10

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	324	335	334	18±5
1	D	226	232	231	9±4
2	B	1690	1629	1625	66±1
2	E	1690	1629	1625	45±1

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Mol	Chain	Non-H	H(model)	H(added)	Clashes
3	C	1615	1574	1570	66±1
3	F	1610	1563	1560	54±1
4	A	18	0	15	0±0
4	D	18	0	15	0±0
All	All	71910	69620	69750	2534

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 18.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:B:115:LYS:HB2	2:B:115:LYS:NZ	1.21	1.48	6	10
2:B:44:LYS:NZ	2:B:96:ASP:OD1	1.08	1.85	6	10
2:B:26:GLN:NE2	2:B:126:GLY:H	1.07	1.46	5	10
2:B:40:THR:HG22	2:B:100:THR:HB	1.05	1.23	1	10
2:B:115:LYS:CB	2:B:115:LYS:HZ3	1.03	1.66	6	4
2:B:115:LYS:HB2	2:B:115:LYS:HZ3	1.00	0.85	6	10
2:B:115:LYS:HZ3	2:B:115:LYS:CB	1.00	1.70	10	6
2:B:115:LYS:NZ	2:B:115:LYS:CB	0.98	2.23	7	10
2:B:145:PRO:HD3	2:B:157:VAL:HG22	0.91	1.41	4	10
3:C:162:SER:H	3:C:202:ASN:HD21	0.91	1.07	9	10
1:A:86:GLN:NE2	1:A:86:GLN:H	0.91	1.64	9	1
2:B:26:GLN:NE2	2:B:126:GLY:N	0.88	2.21	8	10
1:A:22:ALA:O	1:A:26:GLU:HB2	0.85	1.71	8	6
3:C:159:THR:HG23	3:C:202:ASN:HB2	0.84	1.49	6	10
2:B:26:GLN:HE22	2:B:126:GLY:N	0.83	1.70	10	10
3:C:44:ARG:NH1	3:C:45:LEU:H	0.82	1.73	6	10
2:B:237:ASN:HD22	2:B:238:GLU:H	0.81	1.15	10	10
2:E:237:ASN:HD22	2:E:238:GLU:H	0.80	1.17	1	10
3:F:149:LYS:HG3	3:F:182:THR:HG23	0.79	1.51	8	10
1:D:88:THR:O	1:D:91:HIS:ND1	0.76	2.18	6	5
2:E:237:ASN:ND2	2:E:238:GLU:H	0.75	1.80	6	10
2:B:26:GLN:HE22	2:B:126:GLY:H	0.75	1.22	5	2
2:B:40:THR:HG22	2:B:100:THR:CB	0.74	2.08	1	10
3:C:219:ARG:N	3:C:219:ARG:HE	0.73	1.82	6	10
3:C:175:VAL:HG12	3:C:176:LEU:H	0.72	1.44	1	10
1:D:91:HIS:ND1	1:D:91:HIS:C	0.72	2.43	3	3
3:C:210:THR:HG22	3:C:212:VAL:HG23	0.70	1.64	6	10
2:E:237:ASN:HD22	2:E:238:GLU:N	0.70	1.84	2	10
3:C:161:ASN:ND2	3:C:200:THR:H	0.69	1.85	5	10
1:D:74:MET:SD	1:D:75:VAL:N	0.69	2.66	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
3:F:6:GLU:OE1	3:F:96:CYS:HB3	0.69	1.88	8	10
3:C:162:SER:H	3:C:202:ASN:ND2	0.69	1.85	7	10
3:C:188:THR:O	3:C:189:VAL:HB	0.68	1.87	5	10
1:A:26:GLU:N	1:A:26:GLU:OE1	0.68	2.25	2	3
2:E:176:ASP:HB3	2:E:216:SER:HB3	0.68	1.66	8	10
3:C:74:ASN:OD1	3:C:74:ASN:N	0.68	2.26	6	10
3:F:67:ARG:NH2	3:F:90:ASP:OD2	0.68	2.27	8	10
3:C:19:LYS:HB2	3:C:82:GLN:HE21	0.67	1.49	8	10
1:D:72:VAL:O	1:D:76:ILE:HG22	0.67	1.89	2	2
1:D:59:LEU:C	1:D:59:LEU:HD12	0.67	2.11	8	3
2:E:144:PRO:HB3	2:E:234:PHE:CE2	0.67	2.25	8	10
3:F:214:LYS:HD2	3:F:214:LYS:N	0.66	2.04	6	10
1:D:59:LEU:C	1:D:59:LEU:HD23	0.66	2.10	7	2
3:F:201:CYS:N	3:F:214:LYS:O	0.66	2.29	10	10
3:C:28:ALA:O	3:C:31:SER:OG	0.65	2.14	5	10
2:B:237:ASN:HD22	2:B:238:GLU:N	0.65	1.88	7	10
2:B:80:ARG:HH21	2:B:89:THR:HG23	0.65	1.52	6	10
1:A:17:LEU:HD12	1:A:17:LEU:C	0.64	2.13	2	1
3:F:162:SER:H	3:F:202:ASN:ND2	0.64	1.90	6	10
2:B:192:ASP:O	2:B:196:SER:HA	0.63	1.93	1	10
1:D:54:VAL:N	1:D:80:SER:OG	0.63	2.31	6	1
2:B:26:GLN:HE21	2:B:126:GLY:H	0.63	1.32	6	10
1:A:29:ALA:HB2	4:A:201:UQ8:C11	0.63	2.24	6	2
1:D:79:TYR:CD1	1:D:79:TYR:C	0.63	2.72	6	1
3:F:54:GLY:O	3:F:56:GLY:N	0.63	2.32	3	10
1:A:20:PHE:CD1	1:A:21:THR:N	0.63	2.67	2	1
2:B:41:MET:HE1	2:B:99:LEU:HD23	0.63	1.71	2	10
3:F:83:MET:HB3	3:F:86:LEU:HD21	0.63	1.70	10	10
2:E:170:ASN:HB3	2:E:222:THR:OG1	0.62	1.94	1	10
1:D:72:VAL:O	1:D:75:VAL:HG23	0.62	1.93	3	1
2:B:237:ASN:ND2	2:B:238:GLU:H	0.62	1.91	6	10
1:A:81:ALA:O	1:A:84:GLY:N	0.62	2.32	10	1
3:C:119:SER:O	3:C:121:LYS:N	0.62	2.32	6	10
1:D:84:GLY:O	1:D:88:THR:HG22	0.62	1.94	9	1
1:A:82:PHE:O	1:A:86:GLN:NE2	0.62	2.32	9	1
3:C:194:TRP:CE3	3:C:195:PRO:HD3	0.62	2.30	8	10
3:C:19:LYS:HD2	3:C:82:GLN:HG2	0.61	1.70	1	10
3:F:19:LYS:HG3	3:F:82:GLN:HG2	0.61	1.71	1	10
2:E:211:TYR:CE1	2:E:217:TYR:CE2	0.61	2.89	6	10
1:A:151:ILE:HD12	1:A:152:ALA:N	0.61	2.11	6	1
1:A:27:LEU:HD13	1:A:27:LEU:C	0.61	2.16	10	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:86:GLN:NE2	1:A:86:GLN:N	0.61	2.44	9	1
1:D:59:LEU:HD13	1:D:59:LEU:C	0.60	2.15	6	1
1:A:19:ALA:O	1:A:55:LEU:HD21	0.60	1.96	3	1
1:D:84:GLY:O	1:D:88:THR:HG23	0.60	1.96	6	2
1:A:84:GLY:O	1:A:88:THR:HG22	0.60	1.96	7	1
3:C:42:GLU:O	3:C:43:LYS:HB2	0.59	1.97	8	10
2:B:153:GLY:HA2	2:B:208:LYS:HD2	0.59	1.74	10	10
1:A:17:LEU:O	1:A:20:PHE:CD2	0.59	2.56	2	1
3:C:44:ARG:NH1	3:C:45:LEU:N	0.59	2.50	6	10
1:D:55:LEU:HD23	1:D:56:GLY:N	0.59	2.12	3	1
2:B:63:GLN:HB3	2:B:73:LEU:HD22	0.59	1.73	6	10
1:A:23:LEU:HD13	1:A:23:LEU:O	0.59	1.98	6	2
1:D:72:VAL:HG23	1:D:73:ALA:N	0.59	2.13	5	1
2:E:132:LYS:O	2:E:134:ALA:N	0.58	2.36	6	10
1:A:75:VAL:CG1	1:A:76:ILE:N	0.58	2.66	8	3
3:C:194:TRP:HD1	3:C:199:ILE:HD12	0.58	1.59	10	10
2:B:24:MET:SD	2:B:45:SER:HB2	0.58	2.38	10	10
3:F:200:THR:HA	3:F:214:LYS:O	0.58	1.98	8	10
2:B:211:TYR:O	2:B:217:TYR:OH	0.58	2.21	10	10
3:C:175:VAL:HG12	3:C:176:LEU:N	0.58	2.14	6	10
3:F:50:TYR:HB3	3:F:59:TYR:HB2	0.57	1.76	8	10
3:F:212:VAL:HG12	3:F:214:LYS:HE3	0.57	1.76	6	10
1:A:55:LEU:HD13	1:A:55:LEU:C	0.57	2.19	7	2
1:D:72:VAL:O	1:D:75:VAL:HG22	0.57	1.99	10	1
1:A:75:VAL:HG13	1:A:76:ILE:N	0.57	2.14	8	4
3:C:67:ARG:C	3:C:68:PHE:HD1	0.57	2.03	6	10
3:C:78:THR:OG1	3:C:80:TYR:CZ	0.57	2.57	8	10
3:F:143:THR:HB	3:F:188:THR:HG23	0.57	1.75	3	10
1:A:26:GLU:N	1:A:26:GLU:CD	0.57	2.57	8	4
3:C:193:THR:O	3:C:197:GLN:HB3	0.57	1.99	8	10
1:D:91:HIS:C	1:D:91:HIS:HD1	0.57	2.01	3	1
1:A:82:PHE:CZ	1:A:86:GLN:OE1	0.57	2.57	9	4
1:A:82:PHE:O	1:A:84:GLY:N	0.57	2.36	9	1
3:C:194:TRP:CD1	3:C:199:ILE:HD12	0.57	2.35	6	10
3:F:44:ARG:HA	3:F:44:ARG:HH11	0.57	1.59	6	10
1:A:75:VAL:HG23	1:A:76:ILE:N	0.57	2.14	5	1
2:B:115:LYS:HB2	2:B:115:LYS:HZ2	0.56	1.51	5	10
3:F:194:TRP:O	3:F:196:SER:N	0.56	2.38	1	10
2:B:22:ILE:HG12	2:B:47:GLN:HB2	0.56	1.77	6	10
3:C:37:VAL:O	3:C:95:TYR:N	0.56	2.39	2	10
1:A:91:HIS:O	1:A:91:HIS:ND1	0.56	2.38	7	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:B:51:ASN:OD1	2:B:58:TYR:HE2	0.56	1.84	2	10
2:B:146:SER:OG	3:C:128:TYR:HB3	0.56	2.01	8	10
1:A:21:THR:O	1:A:25:LEU:N	0.56	2.38	7	1
2:B:88:PHE:HD1	2:B:101:ILE:HG12	0.56	1.60	6	10
2:E:218:THR:HB	2:E:233:SER:CB	0.56	2.30	6	10
3:C:194:TRP:CG	3:C:195:PRO:N	0.55	2.74	6	10
1:D:84:GLY:O	1:D:88:THR:OG1	0.55	2.19	5	3
1:A:22:ALA:HA	1:A:26:GLU:OE1	0.55	2.00	7	1
3:F:24:ALA:HB1	3:F:27:PHE:CE1	0.55	2.36	8	10
1:D:78:LEU:HD23	1:D:79:TYR:N	0.55	2.16	3	1
1:A:83:ARG:C	1:A:86:GLN:NE2	0.55	2.60	9	1
1:A:23:LEU:C	1:A:23:LEU:HD13	0.55	2.22	1	3
1:A:20:PHE:CD1	1:A:20:PHE:C	0.55	2.79	2	1
1:A:79:TYR:CD2	1:A:80:SER:N	0.55	2.75	10	2
1:A:21:THR:O	1:A:25:LEU:HB2	0.55	2.02	10	1
2:B:120:LEU:HD23	2:B:120:LEU:N	0.55	2.17	6	10
1:A:82:PHE:O	1:A:85:VAL:HG12	0.55	2.02	6	2
1:A:21:THR:O	1:A:25:LEU:CB	0.55	2.54	10	3
2:B:107:GLU:OE2	2:B:194:LYS:HA	0.55	2.02	2	10
1:A:74:MET:SD	1:A:74:MET:N	0.55	2.80	4	3
2:B:88:PHE:CD1	2:B:101:ILE:HG12	0.54	2.37	3	10
1:D:57:ALA:HB1	1:D:73:ALA:O	0.54	2.02	5	1
2:E:238:GLU:HB3	3:F:134:CYS:SG	0.54	2.41	9	10
2:B:174:LYS:HB2	2:B:218:THR:HG23	0.54	1.79	6	10
3:C:44:ARG:HA	3:C:44:ARG:HH11	0.54	1.62	7	10
2:E:174:LYS:HB2	2:E:218:THR:HG23	0.54	1.80	1	10
1:A:82:PHE:CE2	1:A:86:GLN:OE1	0.54	2.61	3	3
3:C:36:TRP:O	3:C:48:VAL:HB	0.54	2.03	2	10
1:A:15:TRP:CZ2	1:A:74:MET:CE	0.54	2.91	4	1
1:A:23:LEU:O	1:A:27:LEU:CB	0.54	2.56	7	8
3:F:205:HIS:HE1	3:F:207:ALA:HB3	0.54	1.62	2	10
1:A:17:LEU:HG	1:A:18:MET:N	0.54	2.18	2	1
1:A:25:LEU:O	1:A:28:THR:HG22	0.54	2.03	6	1
1:A:151:ILE:C	1:A:151:ILE:HD12	0.54	2.23	9	1
1:A:17:LEU:C	1:A:17:LEU:HD13	0.53	2.23	6	2
1:D:88:THR:O	1:D:91:HIS:CD2	0.53	2.61	3	1
1:A:76:ILE:HD13	1:A:76:ILE:O	0.53	2.02	7	1
2:E:192:ASP:O	2:E:196:SER:HA	0.53	2.04	6	10
1:D:78:LEU:HD23	1:D:78:LEU:C	0.53	2.23	3	1
2:B:116:GLN:HE22	2:B:119:ASN:H	0.53	1.45	6	10
2:B:34:SER:O	2:B:37:GLU:HG3	0.53	2.04	8	10

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:E:218:THR:HB	2:E:233:SER:HB2	0.53	1.81	3	10
1:D:72:VAL:O	1:D:75:VAL:HG12	0.53	2.04	4	1
1:A:74:MET:O	1:A:78:LEU:N	0.53	2.41	6	1
1:D:73:ALA:O	1:D:77:TRP:CB	0.53	2.57	7	1
1:A:83:ARG:C	1:A:86:GLN:HE22	0.53	2.07	9	1
3:F:205:HIS:CE1	3:F:207:ALA:HB3	0.53	2.39	6	10
1:A:82:PHE:C	1:A:84:GLY:N	0.53	2.62	9	1
2:E:175:ILE:HG23	2:E:217:TYR:CE1	0.53	2.39	6	10
1:A:16:LEU:C	1:A:16:LEU:HD23	0.53	2.23	4	1
1:A:17:LEU:O	1:A:21:THR:OG1	0.53	2.27	10	3
1:A:23:LEU:HD23	1:A:23:LEU:O	0.53	2.04	8	1
1:D:55:LEU:HD13	1:D:56:GLY:N	0.52	2.19	2	1
2:E:116:GLN:HE22	2:E:119:ASN:H	0.52	1.47	6	10
1:A:82:PHE:O	1:A:85:VAL:N	0.52	2.42	2	2
3:F:6:GLU:OE2	3:F:112:GLY:N	0.52	2.43	8	10
1:D:84:GLY:O	1:D:88:THR:CG2	0.52	2.58	6	1
3:F:170:HIS:O	3:F:185:SER:HA	0.52	2.04	6	10
1:D:73:ALA:O	1:D:77:TRP:HB3	0.52	2.05	7	1
3:F:34:MET:HB2	3:F:51:ILE:CG2	0.52	2.34	1	10
1:A:22:ALA:O	1:A:26:GLU:N	0.52	2.43	3	5
2:B:75:TYR:O	2:B:77:ALA:N	0.51	2.43	6	10
3:C:67:ARG:O	3:C:68:PHE:HD1	0.51	1.88	1	10
1:A:22:ALA:O	1:A:26:GLU:CG	0.51	2.58	5	3
1:D:88:THR:O	1:D:91:HIS:CG	0.51	2.62	6	1
1:A:75:VAL:CG2	1:A:76:ILE:N	0.51	2.74	5	1
1:D:85:VAL:CG1	1:D:86:GLN:N	0.51	2.74	2	2
1:D:72:VAL:CG2	1:D:73:ALA:N	0.51	2.73	5	3
2:E:103:SER:O	2:E:104:VAL:C	0.51	2.48	1	10
3:F:161:ASN:C	3:F:163:GLY:H	0.51	2.09	4	10
1:A:15:TRP:CD1	1:A:15:TRP:N	0.51	2.75	5	1
3:F:24:ALA:HB1	3:F:27:PHE:HE1	0.51	1.66	6	10
1:A:83:ARG:CA	1:A:86:GLN:NE2	0.51	2.73	9	1
2:B:218:THR:HB	2:B:233:SER:OG	0.51	2.06	9	10
3:C:51:ILE:HD12	3:C:70:ILE:O	0.51	2.06	6	10
3:F:149:LYS:HG3	3:F:182:THR:CG2	0.51	2.32	6	10
1:A:23:LEU:O	1:A:27:LEU:HB2	0.51	2.05	4	4
3:C:213:ASP:O	3:C:214:LYS:HD2	0.51	2.06	1	10
2:E:182:ASN:OD1	2:E:182:ASN:N	0.51	2.43	6	10
2:B:184:VAL:HG12	2:B:184:VAL:O	0.51	2.06	5	10
3:C:6:GLU:OE2	3:C:111:GLN:HG2	0.51	2.06	5	10
2:E:123:PHE:CD2	3:F:45:LEU:HB3	0.51	2.40	8	10

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
3:F:40:THR:OG1	3:F:44:ARG:HB3	0.51	2.06	10	10
3:C:219:ARG:N	3:C:219:ARG:NE	0.50	2.58	6	10
2:E:30:SER:HB3	2:E:128:LYS:HB3	0.50	1.83	6	10
1:A:27:LEU:HD13	1:A:27:LEU:O	0.50	2.06	10	1
1:A:25:LEU:O	1:A:28:THR:OG1	0.50	2.24	8	3
1:D:83:ARG:HH11	1:D:86:GLN:NE2	0.50	2.04	3	1
1:D:75:VAL:O	1:D:78:LEU:HB3	0.50	2.06	6	1
1:A:75:VAL:O	1:A:78:LEU:N	0.50	2.44	4	1
1:A:18:MET:SD	1:A:18:MET:C	0.50	2.90	6	1
3:F:103:SER:C	3:F:105:ALA:H	0.50	2.08	2	10
1:D:75:VAL:O	1:D:78:LEU:HG	0.50	2.07	7	1
2:B:145:PRO:CD	2:B:157:VAL:HG22	0.50	2.29	6	10
3:F:68:PHE:CZ	3:F:83:MET:HG2	0.50	2.42	10	10
3:C:36:TRP:HD1	3:C:70:ILE:HD12	0.49	1.67	9	10
1:A:83:ARG:CA	1:A:86:GLN:HE22	0.49	2.20	9	1
3:C:67:ARG:HD2	3:C:85:SER:HB2	0.49	1.84	8	10
3:F:68:PHE:CE2	3:F:83:MET:HG2	0.49	2.42	1	10
1:A:26:GLU:O	1:A:29:ALA:HB3	0.49	2.06	2	3
1:A:54:VAL:N	1:A:80:SER:OG	0.49	2.45	4	1
1:A:86:GLN:H	1:A:86:GLN:CD	0.49	2.08	9	1
3:C:6:GLU:HA	3:C:22:CYS:HA	0.49	1.84	7	10
2:E:32:ALA:HA	2:E:130:GLU:O	0.49	2.08	6	10
1:A:20:PHE:CG	1:A:21:THR:N	0.49	2.80	2	1
1:A:75:VAL:HG13	1:A:76:ILE:H	0.49	1.66	4	1
3:C:106:MET:HB2	3:C:109:TRP:NE1	0.49	2.23	8	10
1:D:59:LEU:O	1:D:62:ALA:HB3	0.49	2.07	1	1
3:F:162:SER:H	3:F:202:ASN:CG	0.49	2.10	6	10
1:D:82:PHE:CE2	1:D:86:GLN:OE1	0.49	2.66	9	1
1:A:54:VAL:HG23	1:A:55:LEU:N	0.49	2.23	4	1
1:A:82:PHE:CE1	1:A:86:GLN:OE1	0.49	2.65	9	1
1:A:84:GLY:O	1:A:88:THR:HG23	0.48	2.08	8	1
2:E:72:LEU:HD22	3:F:105:ALA:HB1	0.48	1.83	2	8
1:D:59:LEU:HD23	1:D:59:LEU:O	0.48	2.08	3	1
1:D:79:TYR:O	1:D:82:PHE:N	0.48	2.46	10	1
2:E:40:THR:HG22	2:E:100:THR:HB	0.48	1.85	2	10
2:E:74:ILE:HG21	2:E:77:ALA:O	0.48	2.09	4	10
1:D:57:ALA:O	1:D:73:ALA:HB1	0.48	2.09	8	1
2:E:192:ASP:HB3	2:E:196:SER:N	0.48	2.23	6	10
1:A:18:MET:SD	1:A:18:MET:N	0.48	2.87	7	1
2:B:132:LYS:O	2:B:165:TYR:OH	0.48	2.28	4	10
1:D:78:LEU:HG	1:D:79:TYR:N	0.48	2.23	1	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:78:LEU:HD23	1:A:78:LEU:C	0.48	2.29	7	2
1:D:53:GLY:O	1:D:57:ALA:N	0.48	2.40	10	2
1:A:26:GLU:OE1	1:A:26:GLU:N	0.48	2.47	7	1
1:D:82:PHE:CZ	1:D:86:GLN:CD	0.48	2.86	9	1
2:B:97:PHE:CD1	2:B:97:PHE:N	0.47	2.82	8	10
1:D:82:PHE:C	1:D:82:PHE:CD1	0.47	2.87	7	1
1:A:83:ARG:HA	1:A:86:GLN:NE2	0.47	2.24	9	1
2:B:76:TRP:O	2:B:77:ALA:HB2	0.47	2.09	6	10
2:B:171:VAL:HA	2:B:220:GLU:O	0.47	2.10	6	10
2:E:131:ILE:H	2:E:191:GLN:HE22	0.47	1.51	8	10
3:F:6:GLU:HG2	3:F:111:GLN:HE22	0.47	1.70	10	10
1:A:91:HIS:HD1	1:A:91:HIS:C	0.47	2.12	7	1
3:F:101:TYR:N	3:F:101:TYR:CD1	0.47	2.83	5	10
1:A:91:HIS:ND1	1:A:91:HIS:C	0.47	2.68	7	1
1:D:78:LEU:HD12	1:D:79:TYR:N	0.47	2.24	7	1
1:A:20:PHE:O	1:A:24:ALA:CB	0.47	2.63	2	1
2:B:37:GLU:O	2:B:104:VAL:HG23	0.47	2.10	6	10
2:B:220:GLU:OE1	2:B:229:PRO:HB2	0.47	2.10	6	10
3:C:98:ARG:O	3:C:106:MET:HA	0.46	2.10	8	10
1:A:85:VAL:O	1:A:89:TYR:CB	0.46	2.63	8	1
2:B:175:ILE:C	2:B:177:GLY:H	0.46	2.13	6	10
3:C:22:CYS:HB3	3:C:79:LEU:HB3	0.46	1.86	1	10
3:C:194:TRP:O	3:C:196:SER:N	0.46	2.49	6	10
3:F:6:GLU:HA	3:F:22:CYS:HA	0.46	1.85	5	10
1:D:59:LEU:HD12	1:D:59:LEU:O	0.46	2.11	8	1
2:B:26:GLN:HE22	2:B:126:GLY:CA	0.46	2.23	8	10
2:B:140:VAL:HG22	2:B:141:SER:N	0.46	2.24	3	10
3:C:42:GLU:N	3:C:42:GLU:CD	0.46	2.69	8	10
1:A:78:LEU:O	1:A:78:LEU:HD22	0.46	2.10	2	1
1:A:27:LEU:C	1:A:29:ALA:N	0.46	2.69	5	6
2:B:40:THR:HA	2:B:99:LEU:O	0.46	2.10	6	10
2:E:62:TYR:OH	2:E:115:LYS:HE2	0.46	2.10	3	10
3:F:136:ASP:N	3:F:136:ASP:OD1	0.46	2.49	2	10
1:A:73:ALA:O	1:A:77:TRP:HB2	0.46	2.11	10	1
2:B:175:ILE:O	2:B:177:GLY:N	0.46	2.48	8	10
1:D:74:MET:SD	1:D:74:MET:C	0.46	2.94	1	1
3:F:91:THR:O	3:F:92:ALA:HB2	0.46	2.11	1	10
1:A:54:VAL:HG13	1:A:55:LEU:N	0.46	2.25	1	2
3:C:2:VAL:HG11	3:C:108:TYR:CE2	0.46	2.46	8	10
3:F:78:THR:OG1	3:F:80:TYR:OH	0.46	2.34	6	10
1:A:87:LEU:N	1:A:87:LEU:CD2	0.46	2.78	2	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:D:53:GLY:O	1:D:57:ALA:CB	0.46	2.63	9	2
2:B:59:LEU:HD13	2:B:97:PHE:CG	0.46	2.46	8	10
2:B:73:LEU:O	2:B:84:VAL:HG21	0.46	2.11	6	10
2:E:38:LYS:HA	2:E:101:ILE:O	0.46	2.11	6	10
1:A:17:LEU:C	1:A:17:LEU:CD1	0.46	2.82	2	1
1:D:75:VAL:O	1:D:79:TYR:N	0.46	2.42	7	1
2:E:57:ASN:HA	2:E:58:TYR:HB2	0.45	1.88	10	10
1:A:22:ALA:O	1:A:26:GLU:CB	0.45	2.57	7	2
2:B:51:ASN:OD1	2:B:58:TYR:CE2	0.45	2.69	6	10
2:E:23:VAL:HG23	2:E:46:SER:HB3	0.45	1.89	2	10
1:A:82:PHE:CZ	1:A:86:GLN:CD	0.45	2.90	6	1
1:D:79:TYR:CG	1:D:80:SER:N	0.45	2.84	6	1
2:B:54:THR:CG2	2:B:56:LYS:HG2	0.45	2.42	5	10
1:A:23:LEU:O	1:A:27:LEU:N	0.45	2.48	10	1
2:B:38:LYS:HE3	2:B:102:SER:HB3	0.45	1.88	6	10
1:A:26:GLU:O	1:A:29:ALA:CB	0.45	2.65	5	2
3:C:200:THR:HG22	3:C:215:LYS:HG3	0.45	1.87	10	10
3:C:39:GLN:HG3	3:C:44:ARG:O	0.45	2.12	6	10
2:E:174:LYS:HG2	2:E:179:GLU:HG2	0.45	1.89	1	10
1:D:61:GLY:CA	1:D:73:ALA:CB	0.45	2.95	8	1
1:D:85:VAL:O	1:D:88:THR:HG23	0.45	2.12	9	1
3:C:159:THR:CG2	3:C:202:ASN:HB2	0.45	2.34	6	10
1:A:79:TYR:OH	1:A:83:ARG:CZ	0.45	2.64	3	1
3:C:83:MET:HE2	3:C:86:LEU:HD21	0.45	1.88	10	10
1:D:55:LEU:C	1:D:55:LEU:HD23	0.45	2.33	7	1
2:E:72:LEU:CD2	3:F:105:ALA:HB1	0.44	2.42	1	3
2:E:171:VAL:HG21	2:E:200:MET:HE1	0.44	1.87	5	10
1:D:85:VAL:CG2	1:D:86:GLN:N	0.44	2.80	7	1
2:B:146:SER:O	2:B:147:SER:C	0.44	2.56	6	10
3:C:54:GLY:O	3:C:56:GLY:N	0.44	2.50	1	10
2:E:49:LEU:C	2:E:57:ASN:ND2	0.44	2.71	4	10
2:E:80:ARG:NH2	2:E:86:ASP:HA	0.44	2.26	1	10
1:A:17:LEU:CG	1:A:18:MET:N	0.44	2.79	2	1
1:A:18:MET:O	1:A:21:THR:OG1	0.44	2.32	6	1
1:A:26:GLU:CG	1:A:27:LEU:N	0.44	2.80	5	1
1:A:77:TRP:CD1	1:A:77:TRP:C	0.44	2.90	6	1
1:D:85:VAL:O	1:D:89:TYR:N	0.44	2.48	7	1
1:D:58:ALA:O	1:D:62:ALA:N	0.44	2.45	2	1
1:A:26:GLU:C	1:A:26:GLU:OE1	0.44	2.55	5	1
2:B:76:TRP:O	2:B:77:ALA:CB	0.44	2.66	1	10
1:D:89:TYR:CG	1:D:90:GLU:N	0.44	2.85	7	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:22:ALA:C	1:A:26:GLU:OE1	0.44	2.56	9	1
2:E:72:LEU:HD22	3:F:105:ALA:CB	0.44	2.43	2	3
1:A:82:PHE:CZ	1:A:86:GLN:NE2	0.43	2.86	6	1
3:C:158:LEU:HD13	3:C:185:SER:HB2	0.43	1.90	6	10
1:A:22:ALA:HA	1:A:26:GLU:OE2	0.43	2.13	8	1
3:C:21:SER:HB3	3:C:80:TYR:CD1	0.43	2.48	6	10
3:C:121:LYS:O	3:C:121:LYS:HG2	0.43	2.14	4	10
1:A:24:ALA:O	1:A:28:THR:HG23	0.43	2.13	4	1
2:B:24:MET:SD	2:B:45:SER:CB	0.43	3.06	6	10
2:B:115:LYS:O	2:B:115:LYS:CG	0.43	2.65	6	10
1:D:79:TYR:O	1:D:80:SER:C	0.43	2.57	10	1
2:B:39:VAL:O	2:B:100:THR:HA	0.43	2.13	2	10
3:C:219:ARG:HE	3:C:219:ARG:H	0.43	1.54	4	9
3:F:6:GLU:OE2	3:F:111:GLN:N	0.43	2.51	8	10
3:F:88:SER:HA	3:F:117:VAL:HB	0.43	1.90	9	10
2:B:40:THR:CG2	2:B:100:THR:HB	0.43	2.17	6	10
3:C:84:SER:O	3:C:86:LEU:N	0.43	2.52	1	10
1:A:20:PHE:O	1:A:24:ALA:N	0.43	2.48	2	2
3:C:175:VAL:O	3:C:181:TYR:HA	0.43	2.14	10	10
1:D:82:PHE:O	1:D:83:ARG:C	0.43	2.57	3	1
1:A:25:LEU:HB3	1:A:26:GLU:OE1	0.43	2.14	7	1
1:D:57:ALA:O	1:D:60:ILE:HG22	0.43	2.14	7	1
1:D:59:LEU:C	1:D:59:LEU:CD1	0.43	2.80	10	2
3:C:100:ASP:N	3:C:100:ASP:OD1	0.43	2.52	6	10
3:C:215:LYS:HD3	3:C:217:GLU:OE2	0.43	2.14	4	10
2:E:226:SER:O	2:E:228:SER:N	0.43	2.50	1	10
3:F:190:THR:HG22	3:F:192:SER:H	0.43	1.73	5	10
1:A:55:LEU:C	1:A:55:LEU:CD1	0.43	2.87	7	1
1:D:78:LEU:C	1:D:78:LEU:HD23	0.43	2.33	8	1
3:C:175:VAL:CG1	3:C:176:LEU:H	0.43	2.21	6	10
2:E:192:ASP:HB3	2:E:196:SER:H	0.43	1.74	6	10
1:A:54:VAL:HG13	1:A:77:TRP:NE1	0.43	2.28	10	1
2:E:22:ILE:HD12	2:E:116:GLN:NE2	0.42	2.29	6	10
1:A:151:ILE:HG12	1:A:152:ALA:N	0.42	2.29	5	1
1:A:82:PHE:C	1:A:84:GLY:H	0.42	2.18	9	1
2:B:54:THR:HG22	2:B:55:ARG:O	0.42	2.14	6	10
2:B:172:LYS:HG3	2:B:220:GLU:HB2	0.42	1.91	5	10
3:F:73:ASP:OD2	3:F:76:LYS:HB2	0.42	2.13	6	10
3:C:48:VAL:O	3:C:61:PRO:HD2	0.42	2.14	8	10
2:E:54:THR:O	2:E:56:LYS:N	0.42	2.52	1	10
2:E:237:ASN:ND2	2:E:238:GLU:N	0.42	2.56	8	9

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:89:TYR:O	1:A:92:THR:N	0.42	2.52	7	1
1:D:57:ALA:HB1	1:D:77:TRP:HB2	0.42	1.92	3	1
1:A:75:VAL:CG1	1:A:76:ILE:H	0.42	2.26	8	1
2:E:60:ALA:N	2:E:115:LYS:O	0.42	2.47	4	10
2:E:87:ARG:NH1	2:E:108:ASP:OD2	0.42	2.47	1	10
3:F:202:ASN:ND2	3:F:202:ASN:H	0.42	2.13	6	10
3:C:27:PHE:O	3:C:29:PHE:N	0.42	2.53	6	10
3:F:34:MET:HB2	3:F:51:ILE:HG22	0.42	1.91	6	10
3:F:53:SER:O	3:F:72:ARG:NH1	0.42	2.53	1	10
3:F:194:TRP:HB3	3:F:195:PRO:CD	0.42	2.45	1	10
1:A:26:GLU:OE1	1:A:26:GLU:CA	0.42	2.68	2	1
1:D:81:ALA:O	1:D:84:GLY:N	0.42	2.52	6	1
1:A:78:LEU:C	1:A:78:LEU:HD13	0.42	2.35	1	1
3:C:34:MET:HB3	3:C:79:LEU:HD22	0.42	1.92	8	10
1:D:85:VAL:O	1:D:88:THR:OG1	0.42	2.37	1	2
2:E:97:PHE:CD1	2:E:97:PHE:N	0.42	2.88	6	10
2:E:186:ASN:HB2	2:E:188:TRP:CH2	0.42	2.50	6	10
1:A:78:LEU:HD13	1:A:78:LEU:O	0.42	2.15	1	1
1:D:59:LEU:C	1:D:59:LEU:CD2	0.42	2.88	3	2
1:A:26:GLU:HG3	1:A:27:LEU:N	0.42	2.30	5	1
1:A:78:LEU:HD23	1:A:78:LEU:O	0.42	2.15	7	1
2:B:33:VAL:C	2:B:132:LYS:HG3	0.42	2.35	6	10
3:F:63:THR:O	3:F:67:ARG:NH1	0.41	2.53	5	10
3:F:94:TYR:O	3:F:112:GLY:HA2	0.41	2.15	1	10
2:B:131:ILE:HB	2:B:191:GLN:HE22	0.41	1.76	2	10
3:C:42:GLU:CD	3:C:42:GLU:H	0.41	2.19	8	10
2:E:142:ILE:HG22	2:E:232:LYS:CD	0.41	2.45	2	10
1:D:82:PHE:C	1:D:84:GLY:N	0.41	2.71	3	1
1:D:85:VAL:HA	1:D:88:THR:OG1	0.41	2.15	6	1
3:C:4:LEU:HD22	3:C:22:CYS:SG	0.41	2.56	6	10
1:A:151:ILE:C	1:A:151:ILE:CD1	0.41	2.89	9	1
3:C:51:ILE:HD11	3:C:55:GLY:HA2	0.41	1.92	8	10
1:D:82:PHE:O	1:D:84:GLY:N	0.41	2.53	3	1
3:F:128:TYR:HD2	3:F:147:LEU:HD23	0.41	1.76	6	10
1:A:22:ALA:O	1:A:26:GLU:HG3	0.41	2.15	5	1
3:C:38:ARG:HA	3:C:93:MET:O	0.41	2.16	6	10
3:C:67:ARG:O	3:C:68:PHE:CD1	0.41	2.73	8	10
3:C:175:VAL:CG1	3:C:176:LEU:N	0.41	2.83	10	10
3:F:39:GLN:HA	3:F:44:ARG:O	0.41	2.15	6	9
3:F:101:TYR:N	3:F:101:TYR:HD1	0.41	2.13	8	10
3:F:125:PRO:HB2	3:F:148:VAL:CG1	0.41	2.46	2	10

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:D:77:TRP:CD1	1:D:77:TRP:C	0.41	2.94	2	1
1:A:22:ALA:O	1:A:26:GLU:HG2	0.41	2.16	6	1
2:B:81:GLU:O	2:B:84:VAL:HG23	0.41	2.16	6	10
2:E:101:ILE:HG22	2:E:102:SER:O	0.41	2.15	1	10
1:A:16:LEU:HD23	1:A:16:LEU:O	0.41	2.15	4	1
1:D:82:PHE:CZ	1:D:86:GLN:OE1	0.41	2.74	9	1
2:E:146:SER:OG	3:F:128:TYR:HB3	0.41	2.15	9	1
3:F:161:ASN:N	3:F:202:ASN:HD21	0.41	2.13	8	10
2:E:75:TYR:CE1	2:E:79:THR:OG1	0.41	2.74	6	3
1:D:89:TYR:CD1	1:D:90:GLU:N	0.41	2.89	8	1
1:A:25:LEU:CD2	1:A:26:GLU:OE1	0.41	2.69	10	1
2:B:85:PRO:O	2:B:87:ARG:N	0.41	2.54	6	10
1:D:83:ARG:NH1	1:D:86:GLN:OE1	0.41	2.54	4	1
2:B:142:ILE:H	2:B:232:LYS:HD2	0.41	1.76	6	1
2:E:58:TYR:HD1	2:E:58:TYR:HA	0.41	1.47	6	2
3:C:5:VAL:HG23	3:C:23:ALA:HB3	0.40	1.93	5	8
1:A:15:TRP:CE3	1:A:15:TRP:N	0.40	2.89	7	1
3:C:188:THR:O	3:C:189:VAL:CB	0.40	2.65	8	1
2:B:92:GLY:HA3	2:B:97:PHE:HA	0.40	1.93	4	8
1:A:16:LEU:C	1:A:16:LEU:CD2	0.40	2.89	4	1
3:F:98:ARG:HA	3:F:99:PRO:HD3	0.40	1.79	8	1
2:B:140:VAL:CG2	2:B:141:SER:N	0.40	2.85	10	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	41/176 (23%)	38±1 (93±3%)	2±2 (5±4%)	1±1 (2±1%)	10	49
1	D	30/176 (17%)	29±1 (96±3%)	1±1 (4±3%)	0±0 (0±0%)	100	100
2	B	214/239 (90%)	171±0 (80±0%)	28±0 (13±0%)	15±0 (7±0%)	2	17
2	E	214/239 (90%)	177±0 (83±0%)	26±0 (12±0%)	11±0 (5±0%)	4	24
3	C	210/221 (95%)	165±0 (79±0%)	32±0 (15±0%)	13±0 (6±0%)	3	19
3	F	210/221 (95%)	160±0 (76±0%)	29±0 (14±0%)	21±0 (10±0%)	1	10

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
All	All	9190/12720 (72%)	7397 (80%)	1184 (13%)	609 (7%)	2 18

All 62 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
2	B	35	ALA	10
2	B	54	THR	10
2	B	76	TRP	10
2	B	77	ALA	10
2	B	82	SER	10
2	B	86	ASP	10
2	B	93	SER	10
2	B	104	VAL	10
2	B	176	ASP	10
2	B	182	ASN	10
2	B	191	GLN	10
2	B	198	TYR	10
2	B	229	PRO	10
2	B	236	ARG	10
2	B	237	ASN	10
3	C	18	LEU	10
3	C	28	ALA	10
3	C	55	GLY	10
3	C	85	SER	10
3	C	91	THR	10
3	C	99	PRO	10
3	C	137	THR	10
3	C	189	VAL	10
3	C	194	TRP	10
3	C	195	PRO	10
3	C	206	PRO	10
3	C	209	SER	10
3	C	218	PRO	10
2	E	55	ARG	10
2	E	57	ASN	10
2	E	58	TYR	10
2	E	85	PRO	10
2	E	104	VAL	10
2	E	147	SER	10
2	E	168	ASP	10
2	E	176	ASP	10

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Mol	Chain	Res	Type	Models (Total)
2	E	191	GLN	10
2	E	236	ARG	10
2	E	237	ASN	10
3	F	8	GLY	10
3	F	14	PRO	10
3	F	28	ALA	10
3	F	29	PHE	10
3	F	30	SER	10
3	F	55	GLY	10
3	F	65	LYS	10
3	F	74	ASN	10
3	F	92	ALA	10
3	F	101	TYR	10
3	F	106	MET	10
3	F	125	PRO	10
3	F	132	PRO	10
3	F	138	THR	10
3	F	140	SER	10
3	F	155	PRO	10
3	F	167	SER	10
3	F	194	TRP	10
3	F	195	PRO	10
3	F	196	SER	10
3	F	209	SER	10
1	A	73	ALA	8
1	A	83	ARG	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	32/147 (22%)	24±1 (76±4%)	8±1 (24±4%)	2 27
1	D	21/147 (14%)	16±2 (75±9%)	5±2 (25±9%)	2 24
2	B	194/212 (92%)	163±0 (84±0%)	31±0 (16±0%)	5 42
2	E	194/212 (92%)	157±0 (81±0%)	37±0 (19±0%)	4 36
3	C	184/188 (98%)	145±0 (79±0%)	39±0 (21±0%)	3 31

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
3	F	183/188 (97%)	151±0 (83±0%)	32±0 (17±0%)	4 39
All	All	8080/10940 (74%)	6562 (81%)	1518 (19%)	4 36

All 183 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)
2	B	23	VAL	10
2	B	33	VAL	10
2	B	39	VAL	10
2	B	41	MET	10
2	B	47	GLN	10
2	B	49	LEU	10
2	B	50	LEU	10
2	B	53	ARG	10
2	B	57	ASN	10
2	B	63	GLN	10
2	B	79	THR	10
2	B	86	ASP	10
2	B	89	THR	10
2	B	96	ASP	10
2	B	100	THR	10
2	B	109	LEU	10
2	B	115	LYS	10
2	B	116	GLN	10
2	B	135	ASP	10
2	B	147	SER	10
2	B	159	CYS	10
2	B	176	ASP	10
2	B	180	ARG	10
2	B	185	LEU	10
2	B	195	ASP	10
2	B	222	THR	10
2	B	225	THR	10
2	B	228	SER	10
2	B	236	ARG	10
2	B	237	ASN	10
3	C	2	VAL	10
3	C	5	VAL	10
3	C	6	GLU	10
3	C	20	LEU	10
3	C	21	SER	10

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Mol	Chain	Res	Type	Models (Total)
3	C	25	SER	10
3	C	42	GLU	10
3	C	43	LYS	10
3	C	44	ARG	10
3	C	48	VAL	10
3	C	69	THR	10
3	C	74	ASN	10
3	C	76	LYS	10
3	C	77	ASN	10
3	C	82	GLN	10
3	C	86	LEU	10
3	C	96	CYS	10
3	C	106	MET	10
3	C	113	THR	10
3	C	116	THR	10
3	C	118	SER	10
3	C	121	LYS	10
3	C	130	LEU	10
3	C	143	THR	10
3	C	144	LEU	10
3	C	156	VAL	10
3	C	159	THR	10
3	C	161	ASN	10
3	C	169	VAL	10
3	C	176	LEU	10
3	C	177	GLN	10
3	C	179	ASP	10
3	C	186	SER	10
3	C	190	THR	10
3	C	192	SER	10
3	C	200	THR	10
3	C	202	ASN	10
3	C	214	LYS	10
3	C	219	ARG	10
2	E	30	SER	10
2	E	39	VAL	10
2	E	41	MET	10
2	E	49	LEU	10
2	E	51	ASN	10
2	E	53	ARG	10
2	E	55	ARG	10
2	E	57	ASN	10

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Mol	Chain	Res	Type	Models (Total)
2	E	63	GLN	10
2	E	79	THR	10
2	E	86	ASP	10
2	E	87	ARG	10
2	E	89	THR	10
2	E	95	THR	10
2	E	96	ASP	10
2	E	100	THR	10
2	E	102	SER	10
2	E	103	SER	10
2	E	115	LYS	10
2	E	116	GLN	10
2	E	130	GLU	10
2	E	132	LYS	10
2	E	135	ASP	10
2	E	140	VAL	10
2	E	151	THR	10
2	E	161	LEU	10
2	E	168	ASP	10
2	E	172	LYS	10
2	E	175	ILE	10
2	E	176	ASP	10
2	E	180	ARG	10
2	E	195	ASP	10
2	E	207	THR	10
2	E	218	THR	10
2	E	220	GLU	10
2	E	228	SER	10
2	E	237	ASN	10
3	F	2	VAL	10
3	F	4	LEU	10
3	F	13	LYS	10
3	F	20	LEU	10
3	F	30	SER	10
3	F	37	VAL	10
3	F	40	THR	10
3	F	44	ARG	10
3	F	69	THR	10
3	F	84	SER	10
3	F	101	TYR	10
3	F	111	GLN	10
3	F	116	THR	10

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Mol	Chain	Res	Type	Models (Total)
3	F	121	LYS	10
3	F	126	SER	10
3	F	130	LEU	10
3	F	136	ASP	10
3	F	140	SER	10
3	F	143	THR	10
3	F	176	LEU	10
3	F	177	GLN	10
3	F	182	THR	10
3	F	187	VAL	10
3	F	188	THR	10
3	F	193	THR	10
3	F	194	TRP	10
3	F	198	SER	10
3	F	200	THR	10
3	F	202	ASN	10
3	F	210	THR	10
3	F	212	VAL	10
3	F	214	LYS	10
1	A	74	MET	8
2	B	188	TRP	8
1	D	89	TYR	8
1	D	91	HIS	7
1	A	85	VAL	6
1	A	26	GLU	6
1	D	77	TRP	6
1	A	83	ARG	5
1	A	18	MET	5
1	A	15	TRP	4
1	A	21	THR	4
1	A	77	TRP	4
1	D	72	VAL	4
1	D	59	LEU	4
1	D	87	LEU	4
1	A	93	MET	4
1	A	78	LEU	3
1	A	87	LEU	3
1	D	55	LEU	3
1	D	78	LEU	3
1	D	83	ARG	3
1	D	85	VAL	3
1	A	76	ILE	3

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Mol	Chain	Res	Type	Models (Total)
1	A	16	LEU	2
1	A	92	THR	2
1	A	55	LEU	2
1	A	151	ILE	2
1	A	25	LEU	2
1	A	28	THR	2
1	D	54	VAL	2
1	A	86	GLN	2
1	A	88	THR	1
1	A	17	LEU	1
1	A	20	PHE	1
3	C	100	ASP	1
1	D	86	GLN	1
1	D	75	VAL	1
1	D	88	THR	1
1	D	79	TYR	1
1	A	54	VAL	1
1	A	23	LEU	1
1	A	75	VAL	1
1	A	79	TYR	1
1	D	74	MET	1
1	D	76	ILE	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no monosaccharides in this entry.

6.6 Ligand geometry

2 ligands are modelled in this entry.

In the following table, the Counts columns list the number of bonds for which Mogul statistics could be retrieved, the number of bonds that are observed in the model and the number of bonds

that are defined in the chemical component dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length is the number of standard deviations the observed value is removed from the expected value. A bond length with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the average root-mean-square of all Z scores of the bond lengths.

Mol	Type	Chain	Res	Link	Bond lengths		
					Counts	RMSZ	#Z>2
4	UQ8	D	201	-	18,18,53	2.12±0.00	2±0 (11±0%)
4	UQ8	A	201	-	18,18,53	2.17±0.01	2±0 (11±0%)

In the following table, the Counts columns list the number of angles for which Mogul statistics could be retrieved, the number of angles that are observed in the model and the number of angles that are defined in the chemical component dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond angle is the number of standard deviations the observed value is removed from the expected value. A bond angle with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the average root-mean-square of all Z scores of the bond angles.

Mol	Type	Chain	Res	Link	Bond angles		
					Counts	RMSZ	#Z>2
4	UQ8	D	201	-	22,25,67	1.04±0.01	1±0 (4±0%)
4	UQ8	A	201	-	22,25,67	1.15±0.00	2±0 (9±0%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the chemical component dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
4	UQ8	D	201	-	-	0±0,9,33,75	0±0,1,1,1
4	UQ8	A	201	-	-	0±0,9,33,75	0±0,1,1,1

All unique bond outliers are listed below. They are sorted according to the Z-score of the worst occurrence in the ensemble.

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
4	A	201	UQ8	C6-C1	8.25	1.50	1.35	7	10
4	D	201	UQ8	C6-C1	7.97	1.49	1.35	1	10
4	D	201	UQ8	C4-C3	3.20	1.49	1.36	6	10
4	A	201	UQ8	C4-C3	3.05	1.48	1.36	9	10

All unique angle outliers are listed below. They are sorted according to the Z-score of the worst

occurrence in the ensemble.

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
4	A	201	UQ8	C10-C9-C11	2.36	119.83	114.60	6	10
4	A	201	UQ8	C1M-C1-C6	2.16	120.87	124.40	1	10
4	D	201	UQ8	C1M-C1-C6	2.10	120.97	124.40	10	10

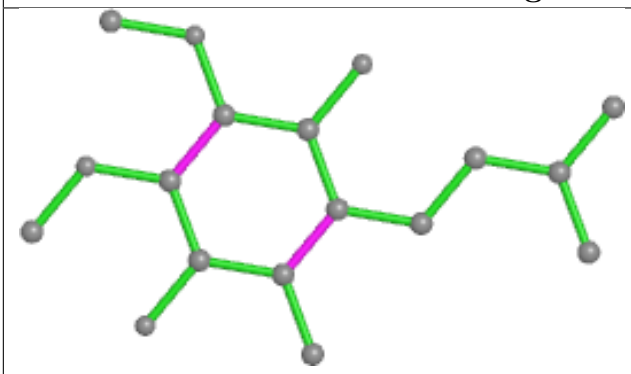
There are no chirality outliers.

There are no torsion outliers.

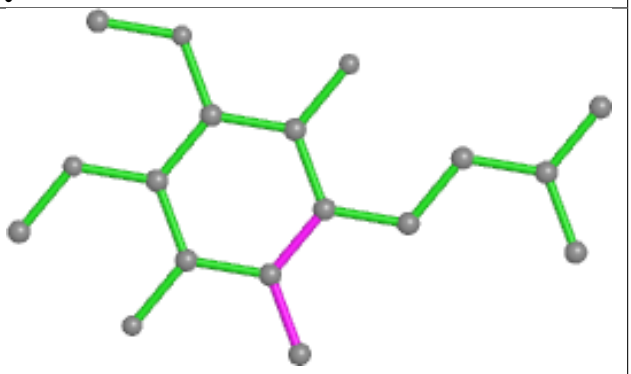
There are no ring outliers.

The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less then 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

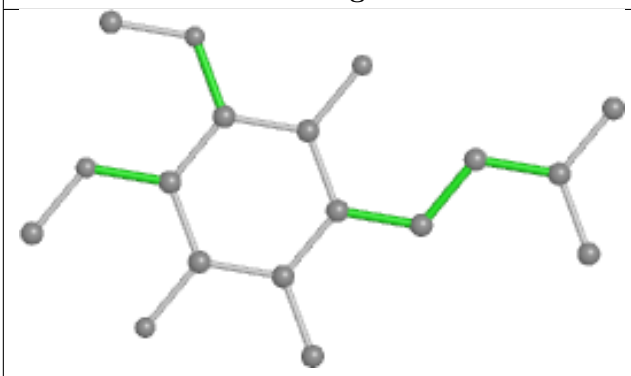
Ligand UQ8 D 201



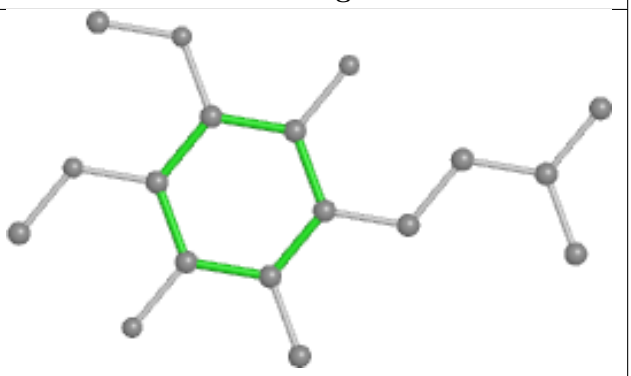
Bond lengths



Bond angles

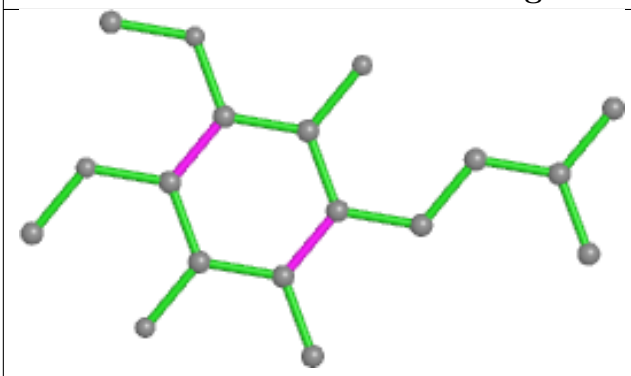


Torsions

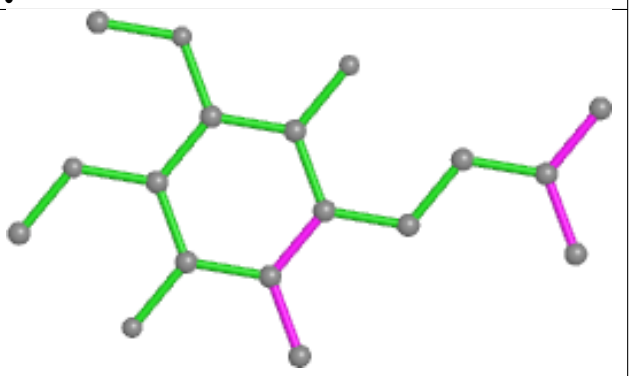


Rings

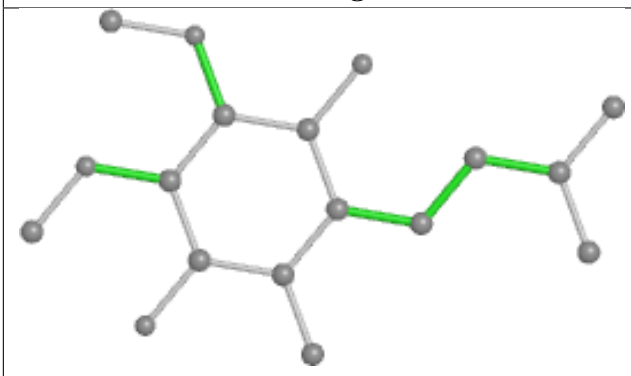
Ligand UQ8 A 201



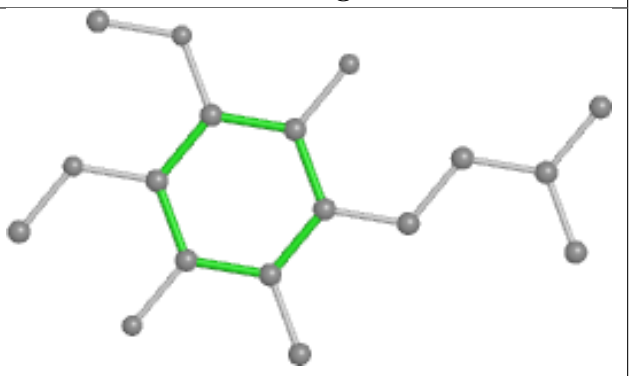
Bond lengths



Bond angles



Torsions



Rings

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 2% for the well-defined parts and 4% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shifts_list_DsbB*

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	744
Number of shifts mapped to atoms	671
Number of unparsed shifts	0
Number of shifts with mapping errors	73
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	1

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

- No matching atom found in the structure. All 73 occurrences are reported below.

List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	6	ASN	C	179.258	0.145	1
1	A	6	ASN	CA	57.564	0.300	1
1	A	6	ASN	CB	38.167	0.300	1
1	A	7	GLN	C	180.404	0.092	1
1	A	7	GLN	CA	57.611	0.012	1
1	A	7	GLN	CB	26.649	0.210	1
1	A	7	GLN	CG	31.228	0.300	1
1	A	7	GLN	H	9.338	0.026	1
1	A	7	GLN	N	120.525	0.189	1
1	A	8	ALA	C	179.313	0.300	1
1	A	8	ALA	CA	54.645	0.300	1
1	A	8	ALA	CB	17.967	0.300	1
1	A	8	ALA	H	9.436	0.052	1
1	A	8	ALA	N	123.894	0.176	1

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	9	SER	C	173.894	0.126	1
1	A	9	SER	CA	60.565	0.137	1
1	A	9	SER	CB	63.79	0.070	1
1	A	109	ARG	N	112.15	0.050	1
1	A	110	PHE	CA	58.681	0.114	1
1	A	111	PRO	CA	65.848	0.300	1
1	A	111	PRO	CD	51.081	0.220	1
1	A	112	GLU	C	177.165	0.300	1
1	A	113	TRP	CA	53.381	0.091	1
1	A	113	TRP	H	9.706	0.060	1
1	A	113	TRP	N	111.82	0.076	1
1	A	163	SER	CA	60.441	0.222	1
1	A	163	SER	CB	63.788	0.300	1
1	A	163	SER	H	9.427	0.022	1
1	A	163	SER	N	112.832	0.300	1
1	A	165	PRO	CA	62.249	0.011	1
1	A	165	PRO	CD	51.723	0.128	1
1	A	165	PRO	N	134.035	0.022	1
1	A	168	ALA	CA	51.195	0.007	1
1	A	168	ALA	CB	18.891	0.003	1
1	A	201	UQ1	C12	30.3	0.643	4
1	A	201	UQ1	C17	29.8	0.643	4
1	A	201	UQ1	C22	29.3	0.643	4
1	A	201	UQ1	C27	28.8	0.643	4
1	A	201	UQ1	C32	28.3	0.643	4
1	A	201	UQ1	C37	27.8	0.643	4
1	A	201	UQ1	C11	43.4	0.643	4
1	A	201	UQ1	C16	43.0	0.643	4
1	A	201	UQ1	C21	42.6	0.643	4
1	A	201	UQ1	C26	42.2	0.643	4
1	A	201	UQ1	C31	41.8	0.643	4
1	A	201	UQ1	C36	41.4	0.643	4
1	A	201	UQ1	C15	20.7	0.643	4
1	A	201	UQ1	C20	20.2	0.643	4
1	A	201	UQ1	C25	19.7	0.643	4
1	A	201	UQ1	C30	19.2	0.643	4
1	A	201	UQ1	C35	18.7	0.643	4
1	A	201	UQ1	C40	18.2	0.643	4
1	A	201	UQ1	C38	124.75	0.300	4
1	A	201	UQ1	C39	136.254	0.051	4
1	A	201	UQ1	C41	41.517	0.095	4

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	201	UQ1	C42	28.26	0.020	4
1	A	201	UQ1	C43	126.157	0.271	4
1	A	201	UQ1	C44	135.212	0.112	4
1	A	201	UQ1	C45	17.92	0.069	4
1	A	201	UQ1	C46	28.177	0.074	4
1	A	201	UQ1	C1	135.534	0.060	1
1	A	201	UQ1	C1M	15.859	0.061	4
1	A	201	UQ1	C6	127.427	0.300	1
1	A	201	UQ1	C7	26.58	0.011	4
1	A	201	UQ1	C8	123.68	0.098	4
1	A	201	UQ1	C9	140.1	0.117	4
1	A	201	UQ1	C10	20.609	0.118	4
1	A	201	UQ1	C5	154.709	0.300	4
1	A	201	UQ1	C2	154.709	0.300	1
1	A	201	UQ1	C4	142.41	0.300	1
1	A	201	UQ1	C3	142.41	0.300	4
1	A	201	UQ1	C4M	63.804	0.193	4
1	A	201	UQ1	C3M	63.804	0.193	4

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	130	-0.89 ± 0.11	Should be checked
$^{13}C_{\beta}$	114	0.43 ± 0.15	None needed (< 0.5 ppm)
$^{13}C'$	116	-0.46 ± 0.26	None needed (< 0.5 ppm)
^{15}N	125	1.13 ± 0.36	Should be applied

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 2%, i.e. 225 atoms were assigned a chemical shift out of a possible 12014. 0 out of 143 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	140/4666 (3%)	21/1899 (1%)	78/1874 (4%)	41/893 (5%)
Sidechain	82/6296 (1%)	0/4124 (0%)	82/1972 (4%)	0/200 (0%)
Aromatic	3/1052 (0%)	0/501 (0%)	3/510 (1%)	0/41 (0%)
Overall	225/12014 (2%)	21/6524 (0%)	163/4356 (4%)	41/1134 (4%)

Note: This is a solid-state NMR structure, where hydrogen atoms are typically not assigned a chemical shift value, which may lead to lower completeness of assignment measure.

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 4%, i.e. 664 atoms were assigned a chemical shift out of a possible 15260. 0 out of 204 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	409/5771 (7%)	63/2345 (3%)	231/2324 (10%)	115/1102 (10%)
Sidechain	250/8091 (3%)	0/5325 (0%)	250/2524 (10%)	0/242 (0%)
Aromatic	5/1398 (0%)	0/670 (0%)	5/674 (1%)	0/54 (0%)
Overall	664/15260 (4%)	63/8340 (1%)	486/5522 (9%)	115/1398 (8%)

Note: This is a solid-state NMR structure, where hydrogen atoms are typically not assigned a chemical shift value, which may lead to lower completeness of assignment measure.

7.1.4 Statistically unusual chemical shifts (i)

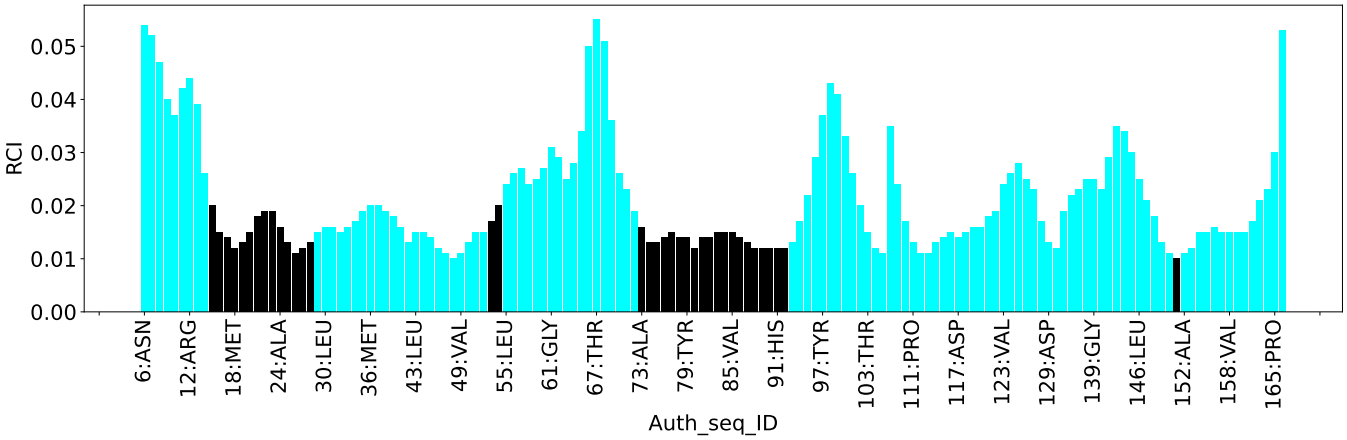
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	92	THR	CG2	27.48	16.06 – 27.03	5.4

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:


RCI
0.00
0.01
0.02
0.03
0.04
0.05
6:ASN
12:ARG
18:MET
24:ALA
30:LEU
36:MET
43:LEU
49:VAL
55:LEU
61:GLY
67:THR
73:ALA
79:TYR
85:VAL
91:HIS
97:TYR
103:THR
111:PRO
117:ASP
123:VAL
129:ASP
139:GLY
146:LEU
152:ALA
158:VAL
165:PRO
Auth_seq_ID

8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	1334
Intra-residue (|i-j|=0)	374
Sequential (|i-j|=1)	526
Medium range (|i-j|>1 and |i-j|<5)	426
Long range (|i-j|≥5)	8
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	372
Number of unmapped restraints	6
Number of restraints per residue	1.3
Number of long range restraints per residue[1]	0.0

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	80.7	0.2
0.2-0.5 (Medium)	102.9	0.48
>0.5 (Large)	0.1	0.55

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	10.9	6.2
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis (i)

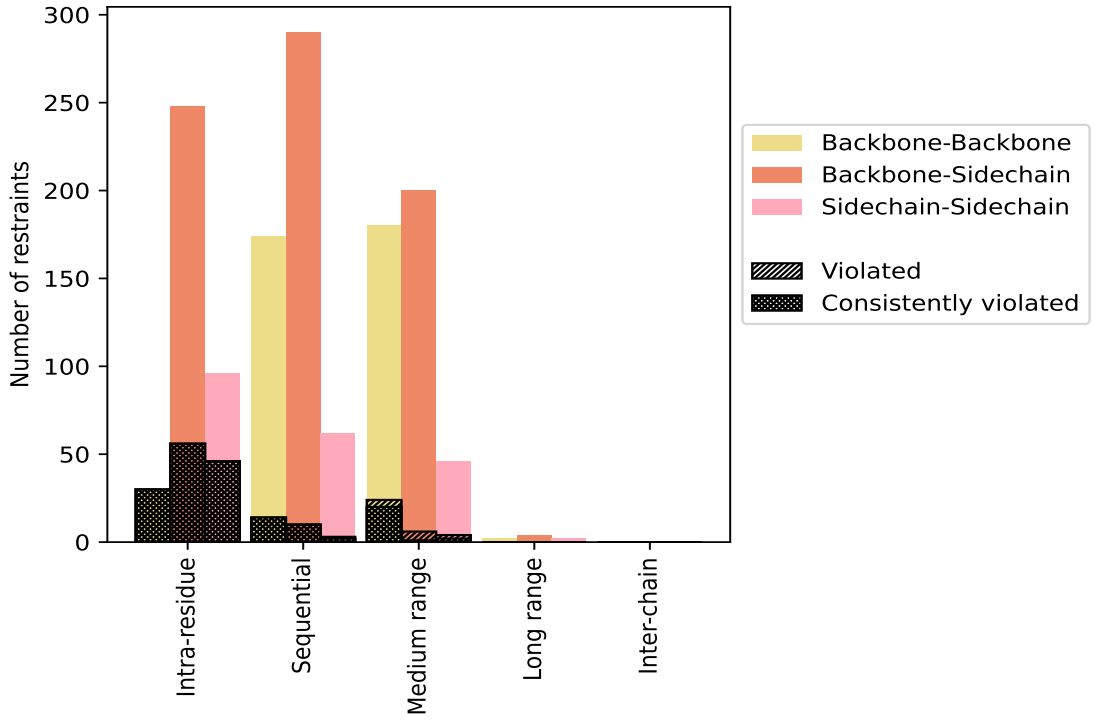
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	374	28.0	132	35.3	9.9	132	35.3	9.9
Backbone-Backbone	30	2.2	30	100.0	2.2	30	100.0	2.2
Backbone-Sidechain	248	18.6	56	22.6	4.2	56	22.6	4.2
Sidechain-Sidechain	96	7.2	46	47.9	3.4	46	47.9	3.4
Sequential (|i-j|=1)	526	39.4	27	5.1	2.0	26	4.9	1.9
Backbone-Backbone	174	13.0	14	8.0	1.0	14	8.0	1.0
Backbone-Sidechain	290	21.7	10	3.4	0.7	10	3.4	0.7
Sidechain-Sidechain	62	4.6	3	4.8	0.2	2	3.2	0.1
Medium range (|i-j|>1 & |i-j|<5)	426	31.9	34	8.0	2.5	23	5.4	1.7
Backbone-Backbone	180	13.5	24	13.3	1.8	20	11.1	1.5
Backbone-Sidechain	200	15.0	6	3.0	0.4	1	0.5	0.1
Sidechain-Sidechain	46	3.4	4	8.7	0.3	2	4.3	0.1
Long range (|i-j|≥5)	8	0.6	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	2	0.1	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	4	0.3	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	2	0.1	0	0.0	0.0	0	0.0	0.0
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	1334	100.0	193	14.5	14.5	181	13.6	13.6
Backbone-Backbone	386	28.9	68	17.6	5.1	64	16.6	4.8
Backbone-Sidechain	742	55.6	72	9.7	5.4	67	9.0	5.0
Sidechain-Sidechain	206	15.4	53	25.7	4.0	50	24.3	3.7

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

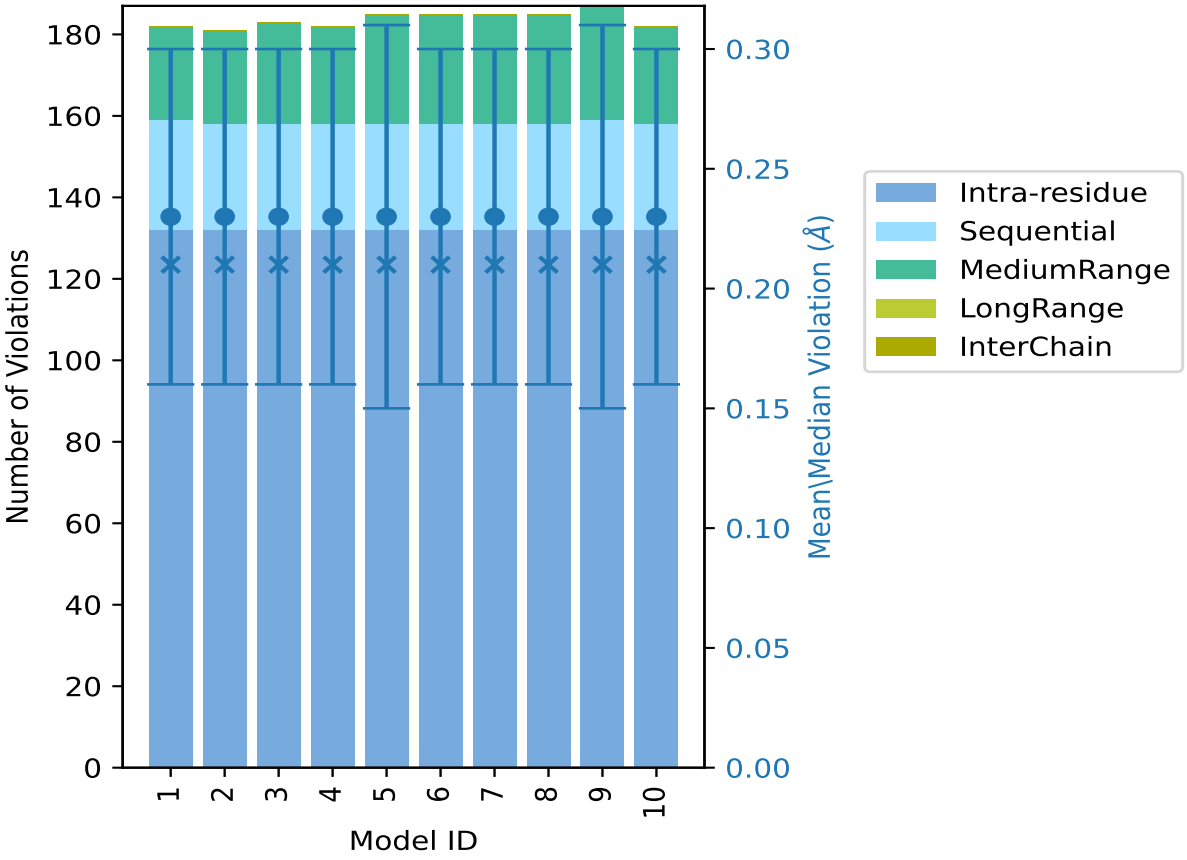
The following table provides the distance violation statistics for each model in the ensemble. Violations less than 0.1 Å are not included in the statistics.

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	132	27	23	0	0	182	0.23	0.47	0.07	0.21
2	132	26	23	0	0	181	0.23	0.47	0.07	0.21
3	132	26	25	0	0	183	0.23	0.47	0.07	0.21
4	132	26	24	0	0	182	0.23	0.47	0.07	0.21
5	132	26	27	0	0	185	0.23	0.48	0.08	0.21
6	132	26	27	0	0	185	0.23	0.47	0.07	0.21
7	132	26	27	0	0	185	0.23	0.47	0.07	0.21
8	132	26	27	0	0	185	0.23	0.47	0.07	0.21
9	132	27	28	0	0	187	0.23	0.55	0.08	0.21
10	132	26	24	0	0	182	0.23	0.47	0.07	0.21

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

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

9.3 Distance violation statistics for the ensemble

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 1141(IR:242, SQ:499, MR:392, LR:8, IC:0) 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]	%
0	0	5	0	0	5	1	10.0
0	1	2	0	0	3	2	20.0
0	0	2	0	0	2	3	30.0
0	0	0	0	0	0	4	40.0

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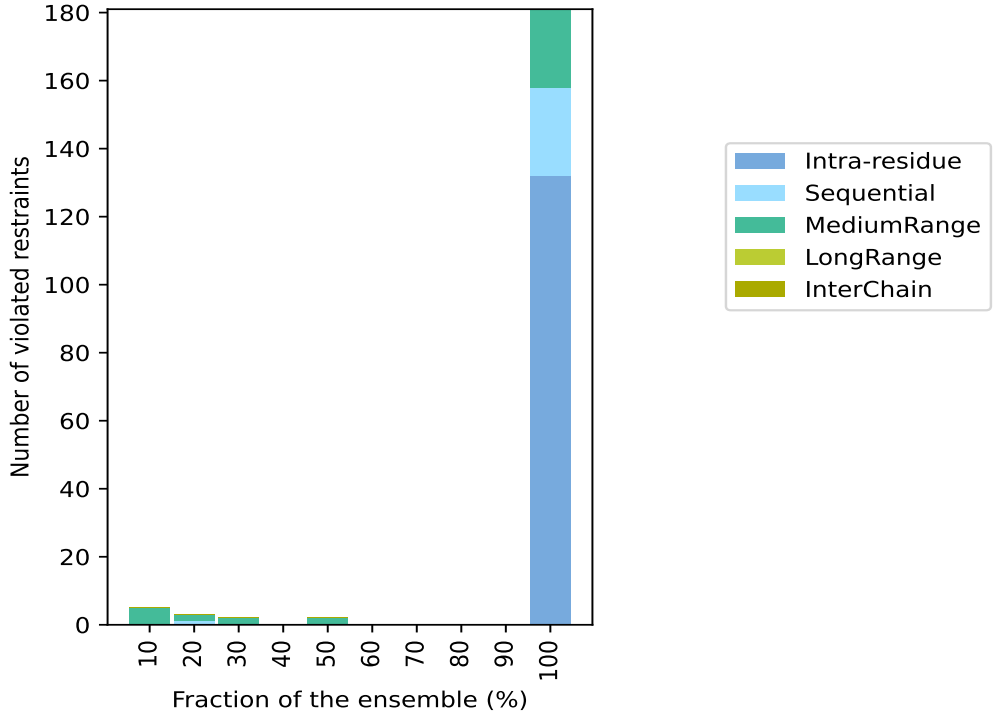
Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
0	0	2	0	0	2	5	50.0
0	0	0	0	0	0	6	60.0
0	0	0	0	0	0	7	70.0
0	0	0	0	0	0	8	80.0
0	0	0	0	0	0	9	90.0
132	26	23	0	0	181	10	100.0

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

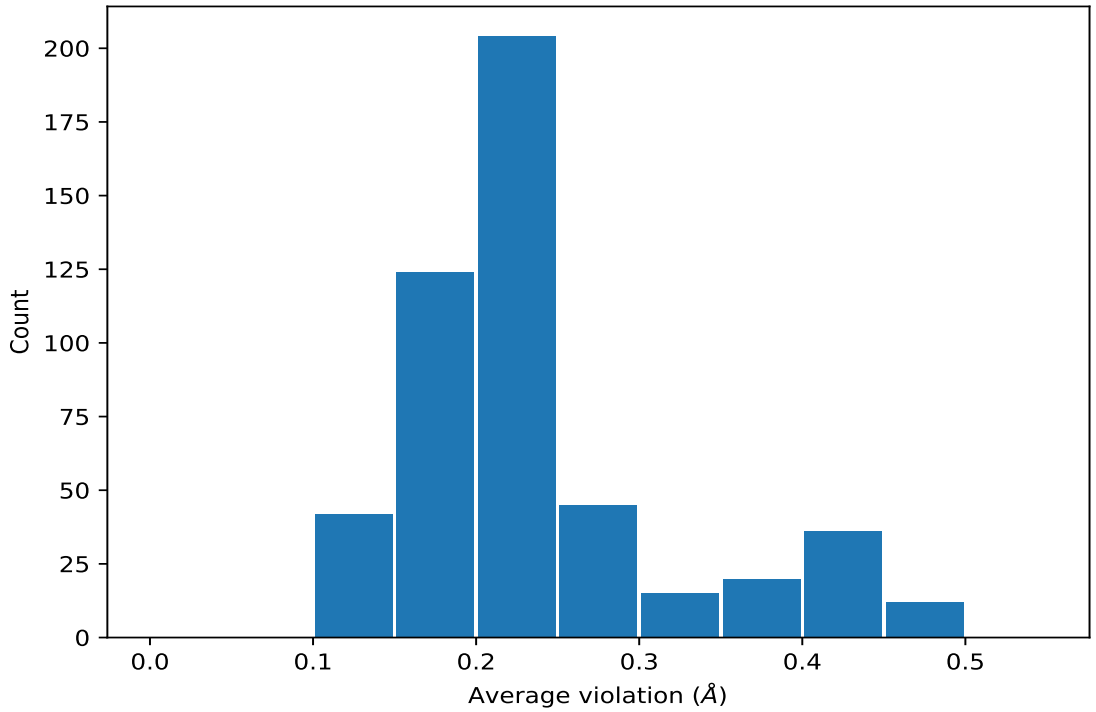
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,709)	1:D:149:ILE:CB	1:D:149:ILE:CA	10	0.47	0.0	0.47
(1,709)	1:D:155:ILE:CB	1:D:155:ILE:CA	10	0.47	0.0	0.47
(1,709)	1:D:76:ILE:CB	1:D:76:ILE:CA	10	0.47	0.0	0.47
(1,1048)	1:D:149:ILE:CB	1:D:149:ILE:CA	10	0.47	0.0	0.47
(1,1048)	1:D:155:ILE:CB	1:D:155:ILE:CA	10	0.47	0.0	0.47
(1,1048)	1:D:76:ILE:CB	1:D:76:ILE:CA	10	0.47	0.0	0.47
(1,42)	1:A:149:ILE:CB	1:A:149:ILE:CA	10	0.47	0.0	0.47
(1,42)	1:A:155:ILE:CB	1:A:155:ILE:CA	10	0.47	0.0	0.47
(1,42)	1:A:76:ILE:CB	1:A:76:ILE:CA	10	0.47	0.0	0.47
(1,381)	1:A:149:ILE:CB	1:A:149:ILE:CA	10	0.47	0.0	0.47
(1,381)	1:A:155:ILE:CB	1:A:155:ILE:CA	10	0.47	0.0	0.47
(1,381)	1:A:76:ILE:CB	1:A:76:ILE:CA	10	0.47	0.0	0.47
(1,368)	1:A:72:VAL:CA	1:A:69:LEU:C	10	0.43	0.0	0.43
(1,368)	1:A:72:VAL:CA	1:A:74:MET:C	10	0.43	0.0	0.43
(1,368)	1:A:63:ILE:CA	1:A:59:LEU:C	10	0.43	0.0	0.43
(1,368)	1:A:76:ILE:CA	1:A:74:MET:C	10	0.43	0.0	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,368)	1:A:149:ILE:CA	1:A:151:ILE:C	10	0.43	0.0	0.43
(1,368)	1:A:151:ILE:CA	1:A:151:ILE:C	10	0.43	0.0	0.43
(1,368)	1:A:155:ILE:CA	1:A:151:ILE:C	10	0.43	0.0	0.43
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	10	0.43	0.0	0.43
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	10	0.43	0.0	0.43
(1,1035)	1:D:72:VAL:CA	1:D:69:LEU:C	10	0.43	0.0	0.43
(1,1035)	1:D:72:VAL:CA	1:D:74:MET:C	10	0.43	0.0	0.43
(1,1035)	1:D:63:ILE:CA	1:D:59:LEU:C	10	0.43	0.0	0.43
(1,1035)	1:D:76:ILE:CA	1:D:74:MET:C	10	0.43	0.0	0.43
(1,1035)	1:D:149:ILE:CA	1:D:151:ILE:C	10	0.43	0.0	0.43
(1,1035)	1:D:151:ILE:CA	1:D:151:ILE:C	10	0.43	0.0	0.43
(1,1035)	1:D:155:ILE:CA	1:D:151:ILE:C	10	0.43	0.0	0.43
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	10	0.43	0.0	0.43
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	10	0.43	0.0	0.43
(1,838)	1:D:70:ARG:CG	1:D:70:ARG:CD	10	0.42	0.0	0.42
(1,838)	1:D:78:LEU:CG	1:D:78:LEU:CB	10	0.42	0.0	0.42
(1,199)	1:A:74:MET:CB	1:A:74:MET:CG	10	0.41	0.0	0.41
(1,199)	1:A:93:MET:CB	1:A:93:MET:CG	10	0.41	0.0	0.41
(1,179)	1:A:155:ILE:CG1	1:A:155:ILE:CB	10	0.4	0.0	0.4
(1,179)	1:A:76:ILE:CG1	1:A:76:ILE:CB	10	0.4	0.0	0.4
(1,866)	1:D:74:MET:CB	1:D:74:MET:CG	10	0.4	0.0	0.4
(1,866)	1:D:93:MET:CB	1:D:93:MET:CG	10	0.4	0.0	0.4
(1,646)	1:A:60:ILE:CD1	1:A:60:ILE:CG1	10	0.4	0.0	0.4
(1,646)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	10	0.4	0.0	0.4
(1,841)	1:D:83:ARG:CG	1:D:83:ARG:CD	10	0.4	0.0	0.4
(1,841)	1:D:25:LEU:CG	1:D:25:LEU:CB	10	0.4	0.0	0.4
(1,1313)	1:D:60:ILE:CD1	1:D:60:ILE:CG1	10	0.4	0.0	0.4
(1,1313)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	10	0.4	0.0	0.4
(1,174)	1:A:83:ARG:CG	1:A:83:ARG:CD	10	0.4	0.0	0.4
(1,174)	1:A:25:LEU:CG	1:A:25:LEU:CB	10	0.4	0.0	0.4
(1,846)	1:D:155:ILE:CG1	1:D:155:ILE:CB	10	0.4	0.0	0.4
(1,846)	1:D:76:ILE:CG1	1:D:76:ILE:CB	10	0.4	0.0	0.4
(1,171)	1:A:70:ARG:CG	1:A:70:ARG:CD	10	0.39	0.0	0.39
(1,171)	1:A:78:LEU:CG	1:A:78:LEU:CB	10	0.39	0.0	0.39
(1,92)	1:A:125:VAL:CB	1:A:125:VAL:CA	10	0.37	0.0	0.37
(1,92)	1:A:123:VAL:CB	1:A:123:VAL:CA	10	0.37	0.0	0.37
(1,759)	1:D:125:VAL:CB	1:D:125:VAL:CA	10	0.37	0.0	0.37
(1,759)	1:D:123:VAL:CB	1:D:123:VAL:CA	10	0.37	0.0	0.37
(1,588)	1:A:21:THR:CA	1:A:20:PHE:C	10	0.37	0.0	0.37
(1,588)	1:A:149:ILE:CA	1:A:151:ILE:C	10	0.37	0.0	0.37
(1,588)	1:A:76:ILE:CA	1:A:74:MET:C	10	0.37	0.0	0.37
(1,588)	1:A:76:ILE:CA	1:A:77:TRP:C	10	0.37	0.0	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,588)	1:A:151:ILE:CA	1:A:151:ILE:C	10	0.37	0.0	0.37
(1,588)	1:A:155:ILE:CA	1:A:151:ILE:C	10	0.37	0.0	0.37
(1,588)	1:A:155:ILE:CA	1:A:155:ILE:C	10	0.37	0.0	0.37
(1,1255)	1:D:21:THR:CA	1:D:20:PHE:C	10	0.36	0.0	0.36
(1,1255)	1:D:149:ILE:CA	1:D:151:ILE:C	10	0.36	0.0	0.36
(1,1255)	1:D:76:ILE:CA	1:D:74:MET:C	10	0.36	0.0	0.36
(1,1255)	1:D:76:ILE:CA	1:D:77:TRP:C	10	0.36	0.0	0.36
(1,1255)	1:D:151:ILE:CA	1:D:151:ILE:C	10	0.36	0.0	0.36
(1,1255)	1:D:155:ILE:CA	1:D:151:ILE:C	10	0.36	0.0	0.36
(1,1255)	1:D:155:ILE:CA	1:D:155:ILE:C	10	0.36	0.0	0.36
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	10	0.34	0.0	0.34
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	10	0.34	0.0	0.34
(1,1031)	1:D:75:VAL:CA	1:D:74:MET:C	10	0.34	0.0	0.34
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	10	0.34	0.0	0.34
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	10	0.34	0.0	0.34
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	10	0.34	0.0	0.34
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	10	0.34	0.0	0.34
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	10	0.34	0.0	0.34
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	10	0.34	0.0	0.34
(1,364)	1:A:75:VAL:CA	1:A:74:MET:C	10	0.34	0.0	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	10	0.34	0.0	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	10	0.34	0.0	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	10	0.34	0.0	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	10	0.34	0.0	0.34
(1,1037)	1:D:76:ILE:CA	1:D:74:MET:C	10	0.3	0.01	0.3
(1,1037)	1:D:72:VAL:CA	1:D:69:LEU:C	10	0.3	0.01	0.3
(1,1037)	1:D:72:VAL:CA	1:D:74:MET:C	10	0.3	0.01	0.3
(1,1037)	1:D:149:ILE:CA	1:D:146:LEU:C	10	0.3	0.01	0.3
(1,1037)	1:D:149:ILE:CA	1:D:151:ILE:C	10	0.3	0.01	0.3
(1,1037)	1:D:155:ILE:CA	1:D:151:ILE:C	10	0.3	0.01	0.3
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	10	0.3	0.01	0.3
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	10	0.3	0.01	0.3
(1,370)	1:A:76:ILE:CA	1:A:74:MET:C	10	0.3	0.0	0.3
(1,370)	1:A:72:VAL:CA	1:A:69:LEU:C	10	0.3	0.0	0.3
(1,370)	1:A:72:VAL:CA	1:A:74:MET:C	10	0.3	0.0	0.3
(1,370)	1:A:149:ILE:CA	1:A:146:LEU:C	10	0.3	0.0	0.3
(1,370)	1:A:149:ILE:CA	1:A:151:ILE:C	10	0.3	0.0	0.3
(1,370)	1:A:155:ILE:CA	1:A:151:ILE:C	10	0.3	0.0	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	10	0.3	0.0	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	10	0.3	0.0	0.3
(1,969)	1:D:45:ILE:CA	1:D:43:LEU:C	10	0.28	0.0	0.28
(1,969)	1:D:52:PHE:CA	1:D:51:LEU:C	10	0.28	0.0	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,969)	1:D:93:MET:CA	1:D:93:MET:C	10	0.28	0.0	0.28
(1,969)	1:D:123:VAL:CA	1:D:121:PRO:C	10	0.28	0.0	0.28
(1,969)	1:D:79:TYR:CA	1:D:78:LEU:C	10	0.28	0.0	0.28
(1,302)	1:A:45:ILE:CA	1:A:43:LEU:C	10	0.27	0.0	0.27
(1,302)	1:A:52:PHE:CA	1:A:51:LEU:C	10	0.27	0.0	0.27
(1,302)	1:A:93:MET:CA	1:A:93:MET:C	10	0.27	0.0	0.27
(1,302)	1:A:123:VAL:CA	1:A:121:PRO:C	10	0.27	0.0	0.27
(1,302)	1:A:79:TYR:CA	1:A:78:LEU:C	10	0.27	0.0	0.27
(1,146)	1:A:25:LEU:CG	1:A:26:GLU:CA	10	0.26	0.01	0.26
(1,146)	1:A:26:GLU:CB	1:A:26:GLU:CA	10	0.26	0.01	0.26
(1,146)	1:A:27:LEU:CG	1:A:26:GLU:CA	10	0.26	0.01	0.26
(1,371)	1:A:88:THR:CA	1:A:87:LEU:C	10	0.25	0.0	0.25
(1,371)	1:A:121:PRO:CA	1:A:121:PRO:C	10	0.25	0.0	0.25
(1,113)	1:A:115:PRO:CB	1:A:115:PRO:CA	10	0.25	0.0	0.25
(1,113)	1:A:149:ILE:CG1	1:A:150:PHE:CA	10	0.25	0.0	0.25
(1,113)	1:A:151:ILE:CG1	1:A:150:PHE:CA	10	0.25	0.0	0.25
(1,113)	1:A:160:VAL:CB	1:A:162:ILE:CA	10	0.25	0.0	0.25
(1,1038)	1:D:88:THR:CA	1:D:87:LEU:C	10	0.25	0.0	0.25
(1,1038)	1:D:121:PRO:CA	1:D:121:PRO:C	10	0.25	0.0	0.25
(1,587)	1:A:76:ILE:CA	1:A:76:ILE:C	10	0.25	0.0	0.25
(1,587)	1:A:149:ILE:CA	1:A:150:PHE:C	10	0.25	0.0	0.25
(1,587)	1:A:151:ILE:CA	1:A:150:PHE:C	10	0.25	0.0	0.25
(1,587)	1:A:151:ILE:CA	1:A:152:ALA:C	10	0.25	0.0	0.25
(1,587)	1:A:151:ILE:CA	1:A:153:TYR:C	10	0.25	0.0	0.25
(1,587)	1:A:155:ILE:CA	1:A:152:ALA:C	10	0.25	0.0	0.25
(1,587)	1:A:155:ILE:CA	1:A:153:TYR:C	10	0.25	0.0	0.25
(1,587)	1:A:21:THR:CA	1:A:19:ALA:C	10	0.25	0.0	0.25
(1,605)	1:A:26:GLU:CA	1:A:22:ALA:C	10	0.24	0.0	0.24
(1,605)	1:A:26:GLU:CA	1:A:26:GLU:C	10	0.24	0.0	0.24
(1,605)	1:A:26:GLU:CA	1:A:29:ALA:C	10	0.24	0.0	0.24
(1,605)	1:A:47:GLU:CA	1:A:45:ILE:C	10	0.24	0.0	0.24
(1,605)	1:A:47:GLU:CA	1:A:50:ALA:C	10	0.24	0.0	0.24
(1,1311)	1:D:151:ILE:CD1	1:D:151:ILE:CG1	10	0.24	0.0	0.24
(1,743)	1:D:68:PRO:CB	1:D:68:PRO:CA	10	0.24	0.01	0.24
(1,767)	1:D:68:PRO:CB	1:D:68:PRO:CA	10	0.24	0.01	0.24
(1,81)	1:A:76:ILE:CG1	1:A:76:ILE:CA	10	0.24	0.0	0.24
(1,81)	1:A:72:VAL:CB	1:A:72:VAL:CA	10	0.24	0.0	0.24
(1,81)	1:A:75:VAL:CB	1:A:76:ILE:CA	10	0.24	0.0	0.24
(1,782)	1:D:48:ARG:CB	1:D:48:ARG:CA	10	0.24	0.0	0.24
(1,1254)	1:D:76:ILE:CA	1:D:76:ILE:C	10	0.24	0.0	0.24
(1,1254)	1:D:149:ILE:CA	1:D:150:PHE:C	10	0.24	0.0	0.24
(1,1254)	1:D:151:ILE:CA	1:D:150:PHE:C	10	0.24	0.0	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1254)	1:D:151:ILE:CA	1:D:152:ALA:C	10	0.24	0.0	0.24
(1,1254)	1:D:151:ILE:CA	1:D:153:TYR:C	10	0.24	0.0	0.24
(1,1254)	1:D:155:ILE:CA	1:D:152:ALA:C	10	0.24	0.0	0.24
(1,1254)	1:D:155:ILE:CA	1:D:153:TYR:C	10	0.24	0.0	0.24
(1,1254)	1:D:21:THR:CA	1:D:19:ALA:C	10	0.24	0.0	0.24
(1,1205)	1:D:68:PRO:CB	1:D:70:ARG:C	10	0.24	0.06	0.24
(1,79)	1:A:120:VAL:CB	1:A:121:PRO:CA	10	0.24	0.0	0.24
(1,79)	1:A:121:PRO:CB	1:A:121:PRO:CA	10	0.24	0.0	0.24
(1,644)	1:A:151:ILE:CD1	1:A:151:ILE:CG1	10	0.24	0.0	0.24
(1,780)	1:D:115:PRO:CB	1:D:115:PRO:CA	10	0.24	0.0	0.24
(1,780)	1:D:149:ILE:CG1	1:D:150:PHE:CA	10	0.24	0.0	0.24
(1,780)	1:D:151:ILE:CG1	1:D:150:PHE:CA	10	0.24	0.0	0.24
(1,780)	1:D:160:VAL:CB	1:D:162:ILE:CA	10	0.24	0.0	0.24
(1,304)	1:A:123:VAL:CA	1:A:121:PRO:C	10	0.24	0.0	0.24
(1,304)	1:A:45:ILE:CA	1:A:43:LEU:C	10	0.24	0.0	0.24
(1,304)	1:A:45:ILE:CA	1:A:45:ILE:C	10	0.24	0.0	0.24
(1,813)	1:D:25:LEU:CG	1:D:26:GLU:CA	10	0.24	0.0	0.24
(1,813)	1:D:26:GLU:CB	1:D:26:GLU:CA	10	0.24	0.0	0.24
(1,813)	1:D:27:LEU:CG	1:D:26:GLU:CA	10	0.24	0.0	0.24
(1,168)	1:A:48:ARG:CG	1:A:48:ARG:CD	10	0.24	0.01	0.24
(1,483)	1:A:115:PRO:CG	1:A:115:PRO:CB	10	0.24	0.0	0.24
(1,484)	1:A:115:PRO:CG	1:A:115:PRO:CB	10	0.24	0.0	0.24
(1,1272)	1:D:26:GLU:CA	1:D:22:ALA:C	10	0.24	0.0	0.24
(1,1272)	1:D:26:GLU:CA	1:D:26:GLU:C	10	0.24	0.0	0.24
(1,1272)	1:D:26:GLU:CA	1:D:29:ALA:C	10	0.24	0.0	0.24
(1,1272)	1:D:47:GLU:CA	1:D:45:ILE:C	10	0.24	0.0	0.24
(1,1272)	1:D:47:GLU:CA	1:D:50:ALA:C	10	0.24	0.0	0.24
(1,97)	1:A:93:MET:CB	1:A:93:MET:CA	10	0.23	0.0	0.23
(1,115)	1:A:48:ARG:CB	1:A:48:ARG:CA	10	0.23	0.0	0.23
(1,835)	1:D:48:ARG:CG	1:D:48:ARG:CD	10	0.23	0.01	0.23
(1,1150)	1:D:115:PRO:CG	1:D:115:PRO:CB	10	0.23	0.0	0.23
(1,1151)	1:D:115:PRO:CG	1:D:115:PRO:CB	10	0.23	0.0	0.23
(1,183)	1:A:60:ILE:CG1	1:A:60:ILE:CB	10	0.23	0.0	0.23
(1,485)	1:A:68:PRO:CG	1:A:68:PRO:CB	10	0.23	0.01	0.23
(1,486)	1:A:68:PRO:CG	1:A:68:PRO:CB	10	0.23	0.01	0.23
(1,47)	1:A:151:ILE:CB	1:A:151:ILE:CA	10	0.23	0.0	0.23
(1,850)	1:D:60:ILE:CG1	1:D:60:ILE:CB	10	0.23	0.0	0.23
(1,971)	1:D:123:VAL:CA	1:D:121:PRO:C	10	0.23	0.0	0.23
(1,971)	1:D:45:ILE:CA	1:D:43:LEU:C	10	0.23	0.0	0.23
(1,971)	1:D:45:ILE:CA	1:D:45:ILE:C	10	0.23	0.0	0.23
(1,1331)	1:D:86:GLN:CB	1:D:86:GLN:CG	10	0.23	0.0	0.23
(1,182)	1:A:149:ILE:CG1	1:A:149:ILE:CB	10	0.23	0.0	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,714)	1:D:151:ILE:CB	1:D:151:ILE:CA	10	0.23	0.0	0.23
(1,1036)	1:D:76:ILE:CA	1:D:78:LEU:C	10	0.23	0.0	0.23
(1,1036)	1:D:149:ILE:CA	1:D:149:ILE:C	10	0.23	0.0	0.23
(1,1036)	1:D:151:ILE:CA	1:D:149:ILE:C	10	0.23	0.0	0.23
(1,1036)	1:D:21:THR:CA	1:D:23:LEU:C	10	0.23	0.0	0.23
(1,1276)	1:D:122:GLN:CA	1:D:122:GLN:C	10	0.23	0.0	0.23
(1,1276)	1:D:23:LEU:CA	1:D:21:THR:C	10	0.23	0.0	0.23
(1,1276)	1:D:55:LEU:CA	1:D:56:GLY:C	10	0.23	0.0	0.23
(1,746)	1:D:120:VAL:CB	1:D:121:PRO:CA	10	0.23	0.0	0.23
(1,746)	1:D:121:PRO:CB	1:D:121:PRO:CA	10	0.23	0.0	0.23
(1,748)	1:D:76:ILE:CG1	1:D:76:ILE:CA	10	0.23	0.0	0.23
(1,748)	1:D:72:VAL:CB	1:D:72:VAL:CA	10	0.23	0.0	0.23
(1,748)	1:D:75:VAL:CB	1:D:76:ILE:CA	10	0.23	0.0	0.23
(1,1256)	1:D:21:THR:CA	1:D:21:THR:C	10	0.23	0.0	0.23
(1,849)	1:D:149:ILE:CG1	1:D:149:ILE:CB	10	0.22	0.01	0.22
(1,76)	1:A:68:PRO:CB	1:A:68:PRO:CA	10	0.22	0.0	0.22
(1,100)	1:A:68:PRO:CB	1:A:68:PRO:CA	10	0.22	0.0	0.22
(1,609)	1:A:122:GLN:CA	1:A:122:GLN:C	10	0.22	0.0	0.22
(1,609)	1:A:23:LEU:CA	1:A:21:THR:C	10	0.22	0.0	0.22
(1,609)	1:A:55:LEU:CA	1:A:56:GLY:C	10	0.22	0.0	0.22
(1,48)	1:A:60:ILE:CB	1:A:60:ILE:CA	10	0.22	0.0	0.22
(1,48)	1:A:151:ILE:CB	1:A:150:PHE:CA	10	0.22	0.0	0.22
(1,48)	1:A:151:ILE:CB	1:A:153:TYR:CA	10	0.22	0.0	0.22
(1,176)	1:A:154:LEU:CG	1:A:154:LEU:CB	10	0.22	0.0	0.22
(1,176)	1:A:159:LEU:CG	1:A:159:LEU:CB	10	0.22	0.0	0.22
(1,176)	1:A:23:LEU:CG	1:A:23:LEU:CB	10	0.22	0.0	0.22
(1,176)	1:A:27:LEU:CG	1:A:27:LEU:CB	10	0.22	0.0	0.22
(1,176)	1:A:30:LEU:CG	1:A:30:LEU:CB	10	0.22	0.0	0.22
(1,176)	1:A:51:LEU:CG	1:A:51:LEU:CB	10	0.22	0.0	0.22
(1,176)	1:A:16:LEU:CG	1:A:16:LEU:CB	10	0.22	0.0	0.22
(1,176)	1:A:87:LEU:CG	1:A:87:LEU:CB	10	0.22	0.0	0.22
(1,176)	1:A:17:LEU:CG	1:A:17:LEU:CB	10	0.22	0.0	0.22
(1,177)	1:A:146:LEU:CG	1:A:146:LEU:CB	10	0.22	0.0	0.22
(1,320)	1:A:77:TRP:CA	1:A:74:MET:C	10	0.22	0.01	0.22
(1,320)	1:A:34:HIS:CA	1:A:33:GLN:C	10	0.22	0.01	0.22
(1,320)	1:A:44:CYS:CA	1:A:44:CYS:C	10	0.22	0.01	0.22
(1,320)	1:A:46:TYR:CA	1:A:44:CYS:C	10	0.22	0.01	0.22
(1,369)	1:A:76:ILE:CA	1:A:78:LEU:C	10	0.22	0.0	0.22
(1,369)	1:A:149:ILE:CA	1:A:149:ILE:C	10	0.22	0.0	0.22
(1,369)	1:A:151:ILE:CA	1:A:149:ILE:C	10	0.22	0.0	0.22
(1,369)	1:A:21:THR:CA	1:A:23:LEU:C	10	0.22	0.0	0.22
(1,589)	1:A:21:THR:CA	1:A:21:THR:C	10	0.22	0.0	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,619)	1:A:44:CYS:CA	1:A:44:CYS:C	10	0.22	0.01	0.22
(1,619)	1:A:78:LEU:CA	1:A:77:TRP:C	10	0.22	0.01	0.22
(1,619)	1:A:78:LEU:CA	1:A:79:TYR:C	10	0.22	0.01	0.22
(1,619)	1:A:70:ARG:CA	1:A:68:PRO:C	10	0.22	0.01	0.22
(1,619)	1:A:87:LEU:CA	1:A:84:GLY:C	10	0.22	0.01	0.22
(1,664)	1:A:86:GLN:CB	1:A:86:GLN:CG	10	0.22	0.01	0.22
(1,715)	1:D:60:ILE:CB	1:D:60:ILE:CA	10	0.22	0.0	0.22
(1,715)	1:D:151:ILE:CB	1:D:150:PHE:CA	10	0.22	0.0	0.22
(1,715)	1:D:151:ILE:CB	1:D:153:TYR:CA	10	0.22	0.0	0.22
(1,718)	1:D:105:ASP:CB	1:D:105:ASP:CA	10	0.22	0.0	0.22
(1,843)	1:D:154:LEU:CG	1:D:154:LEU:CB	10	0.22	0.0	0.22
(1,843)	1:D:159:LEU:CG	1:D:159:LEU:CB	10	0.22	0.0	0.22
(1,843)	1:D:23:LEU:CG	1:D:23:LEU:CB	10	0.22	0.0	0.22
(1,843)	1:D:27:LEU:CG	1:D:27:LEU:CB	10	0.22	0.0	0.22
(1,843)	1:D:30:LEU:CG	1:D:30:LEU:CB	10	0.22	0.0	0.22
(1,843)	1:D:51:LEU:CG	1:D:51:LEU:CB	10	0.22	0.0	0.22
(1,843)	1:D:16:LEU:CG	1:D:16:LEU:CB	10	0.22	0.0	0.22
(1,843)	1:D:87:LEU:CG	1:D:87:LEU:CB	10	0.22	0.0	0.22
(1,843)	1:D:17:LEU:CG	1:D:17:LEU:CB	10	0.22	0.0	0.22
(1,764)	1:D:93:MET:CB	1:D:93:MET:CA	10	0.22	0.0	0.22
(1,987)	1:D:77:TRP:CA	1:D:74:MET:C	10	0.22	0.0	0.22
(1,987)	1:D:34:HIS:CA	1:D:33:GLN:C	10	0.22	0.0	0.22
(1,987)	1:D:44:CYS:CA	1:D:44:CYS:C	10	0.22	0.0	0.22
(1,987)	1:D:46:TYR:CA	1:D:44:CYS:C	10	0.22	0.0	0.22
(1,1286)	1:D:44:CYS:CA	1:D:44:CYS:C	10	0.22	0.0	0.22
(1,1286)	1:D:78:LEU:CA	1:D:77:TRP:C	10	0.22	0.0	0.22
(1,1286)	1:D:78:LEU:CA	1:D:79:TYR:C	10	0.22	0.0	0.22
(1,1286)	1:D:70:ARG:CA	1:D:68:PRO:C	10	0.22	0.0	0.22
(1,1286)	1:D:87:LEU:CA	1:D:84:GLY:C	10	0.22	0.0	0.22
(1,51)	1:A:105:ASP:CB	1:A:105:ASP:CA	10	0.22	0.01	0.22
(1,84)	1:A:75:VAL:CB	1:A:75:VAL:CA	10	0.22	0.01	0.22
(1,334)	1:A:29:ALA:CA	1:A:28:THR:C	10	0.21	0.0	0.21
(1,334)	1:A:36:MET:CA	1:A:36:MET:C	10	0.21	0.0	0.21
(1,615)	1:A:36:MET:CA	1:A:36:MET:C	10	0.21	0.0	0.21
(1,615)	1:A:37:LEU:CA	1:A:36:MET:C	10	0.21	0.0	0.21
(1,990)	1:D:70:ARG:CA	1:D:68:PRO:C	10	0.21	0.01	0.21
(1,990)	1:D:70:ARG:CA	1:D:70:ARG:C	10	0.21	0.01	0.21
(1,1001)	1:D:29:ALA:CA	1:D:28:THR:C	10	0.21	0.0	0.21
(1,1001)	1:D:36:MET:CA	1:D:36:MET:C	10	0.21	0.0	0.21
(1,1285)	1:D:78:LEU:CA	1:D:79:TYR:C	10	0.21	0.01	0.21
(1,1285)	1:D:70:ARG:CA	1:D:70:ARG:C	10	0.21	0.01	0.21
(1,1285)	1:D:87:LEU:CA	1:D:85:VAL:C	10	0.21	0.01	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1285)	1:D:23:LEU:CA	1:D:20:PHE:C	10	0.21	0.01	0.21
(1,1152)	1:D:68:PRO:CG	1:D:68:PRO:CB	10	0.21	0.01	0.21
(1,1153)	1:D:68:PRO:CG	1:D:68:PRO:CB	10	0.21	0.01	0.21
(1,1282)	1:D:36:MET:CA	1:D:36:MET:C	10	0.21	0.0	0.21
(1,1282)	1:D:37:LEU:CA	1:D:36:MET:C	10	0.21	0.0	0.21
(1,1312)	1:D:63:ILE:CD1	1:D:60:ILE:CG1	10	0.21	0.0	0.21
(1,1312)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	10	0.21	0.0	0.21
(1,844)	1:D:146:LEU:CG	1:D:146:LEU:CB	10	0.21	0.0	0.21
(1,189)	1:A:48:ARG:CG	1:A:48:ARG:CB	10	0.21	0.0	0.21
(1,487)	1:A:48:ARG:CG	1:A:48:ARG:CB	10	0.21	0.0	0.21
(1,772)	1:D:120:VAL:CB	1:D:120:VAL:CA	10	0.21	0.0	0.21
(1,772)	1:D:120:VAL:CB	1:D:122:GLN:CA	10	0.21	0.0	0.21
(1,772)	1:D:121:PRO:CB	1:D:120:VAL:CA	10	0.21	0.0	0.21
(1,772)	1:D:121:PRO:CB	1:D:122:GLN:CA	10	0.21	0.0	0.21
(1,105)	1:A:120:VAL:CB	1:A:120:VAL:CA	10	0.2	0.0	0.2
(1,105)	1:A:120:VAL:CB	1:A:122:GLN:CA	10	0.2	0.0	0.2
(1,105)	1:A:121:PRO:CB	1:A:120:VAL:CA	10	0.2	0.0	0.2
(1,105)	1:A:121:PRO:CB	1:A:122:GLN:CA	10	0.2	0.0	0.2
(1,645)	1:A:63:ILE:CD1	1:A:60:ILE:CG1	10	0.2	0.0	0.2
(1,645)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	10	0.2	0.0	0.2
(1,751)	1:D:75:VAL:CB	1:D:75:VAL:CA	10	0.2	0.0	0.2
(1,803)	1:D:48:ARG:CG	1:D:47:GLU:CA	10	0.2	0.0	0.2
(1,803)	1:D:44:CYS:CB	1:D:44:CYS:CA	10	0.2	0.0	0.2
(1,1141)	1:D:44:CYS:CB	1:D:44:CYS:CA	10	0.2	0.0	0.2
(1,1141)	1:D:48:ARG:CG	1:D:47:GLU:CA	10	0.2	0.0	0.2
(1,323)	1:A:70:ARG:CA	1:A:68:PRO:C	10	0.2	0.01	0.2
(1,323)	1:A:70:ARG:CA	1:A:70:ARG:C	10	0.2	0.01	0.2
(1,618)	1:A:78:LEU:CA	1:A:79:TYR:C	10	0.2	0.01	0.2
(1,618)	1:A:70:ARG:CA	1:A:70:ARG:C	10	0.2	0.01	0.2
(1,618)	1:A:87:LEU:CA	1:A:85:VAL:C	10	0.2	0.01	0.2
(1,618)	1:A:23:LEU:CA	1:A:20:PHE:C	10	0.2	0.01	0.2
(1,856)	1:D:48:ARG:CG	1:D:48:ARG:CB	10	0.2	0.0	0.2
(1,1154)	1:D:48:ARG:CG	1:D:48:ARG:CB	10	0.2	0.0	0.2
(1,45)	1:A:63:ILE:CB	1:A:63:ILE:CA	10	0.2	0.01	0.2
(1,87)	1:A:35:VAL:CB	1:A:35:VAL:CA	10	0.2	0.0	0.2
(1,754)	1:D:35:VAL:CB	1:D:35:VAL:CA	10	0.2	0.0	0.2
(1,1261)	1:D:68:PRO:CA	1:D:68:PRO:C	10	0.2	0.0	0.2
(1,1261)	1:D:162:ILE:CA	1:D:158:VAL:C	10	0.2	0.0	0.2
(1,1261)	1:D:162:ILE:CA	1:D:161:VAL:C	10	0.2	0.0	0.2
(1,712)	1:D:63:ILE:CB	1:D:63:ILE:CA	10	0.2	0.01	0.2
(1,770)	1:D:108:VAL:CB	1:D:108:VAL:CA	10	0.2	0.01	0.2
(1,847)	1:D:151:ILE:CG1	1:D:151:ILE:CB	10	0.2	0.01	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,848)	1:D:151:ILE:CG1	1:D:151:ILE:CB	10	0.2	0.01	0.2
(1,180)	1:A:151:ILE:CG1	1:A:151:ILE:CB	10	0.2	0.0	0.2
(1,181)	1:A:151:ILE:CG1	1:A:151:ILE:CB	10	0.2	0.0	0.2
(1,106)	1:A:49:VAL:CB	1:A:48:ARG:CA	10	0.2	0.0	0.2
(1,106)	1:A:75:VAL:CB	1:A:74:MET:CA	10	0.2	0.0	0.2
(1,106)	1:A:76:ILE:CG1	1:A:74:MET:CA	10	0.2	0.0	0.2
(1,106)	1:A:18:MET:CB	1:A:18:MET:CA	10	0.2	0.0	0.2
(1,106)	1:A:72:VAL:CB	1:A:74:MET:CA	10	0.2	0.0	0.2
(1,110)	1:A:18:MET:CB	1:A:18:MET:CA	10	0.2	0.0	0.2
(1,110)	1:A:75:VAL:CB	1:A:74:MET:CA	10	0.2	0.0	0.2
(1,1304)	1:D:70:ARG:C	1:D:74:MET:CA	10	0.2	0.0	0.2
(1,1304)	1:D:74:MET:C	1:D:74:MET:CA	10	0.2	0.0	0.2
(1,1304)	1:D:75:VAL:C	1:D:74:MET:CA	10	0.2	0.0	0.2
(1,1304)	1:D:77:TRP:C	1:D:74:MET:CA	10	0.2	0.0	0.2
(1,1304)	1:D:68:PRO:C	1:D:67:THR:CA	10	0.2	0.0	0.2
(1,1304)	1:D:84:GLY:C	1:D:83:ARG:CA	10	0.2	0.0	0.2
(1,1304)	1:D:20:PHE:C	1:D:18:MET:CA	10	0.2	0.0	0.2
(1,1304)	1:D:44:CYS:C	1:D:48:ARG:CA	10	0.2	0.0	0.2
(1,711)	1:D:76:ILE:CB	1:D:75:VAL:CA	10	0.2	0.01	0.2
(1,711)	1:D:155:ILE:CB	1:D:155:ILE:CA	10	0.2	0.01	0.2
(1,711)	1:D:155:ILE:CB	1:D:156:VAL:CA	10	0.2	0.01	0.2
(1,103)	1:A:108:VAL:CB	1:A:108:VAL:CA	10	0.19	0.0	0.19
(1,136)	1:A:48:ARG:CG	1:A:47:GLU:CA	10	0.19	0.0	0.19
(1,136)	1:A:44:CYS:CB	1:A:44:CYS:CA	10	0.19	0.0	0.19
(1,166)	1:A:63:ILE:CG1	1:A:63:ILE:CB	10	0.19	0.0	0.19
(1,185)	1:A:63:ILE:CG1	1:A:63:ILE:CB	10	0.19	0.0	0.19
(1,474)	1:A:44:CYS:CB	1:A:44:CYS:CA	10	0.19	0.0	0.19
(1,474)	1:A:48:ARG:CG	1:A:47:GLU:CA	10	0.19	0.0	0.19
(1,773)	1:D:49:VAL:CB	1:D:48:ARG:CA	10	0.19	0.0	0.19
(1,773)	1:D:75:VAL:CB	1:D:74:MET:CA	10	0.19	0.0	0.19
(1,773)	1:D:76:ILE:CG1	1:D:74:MET:CA	10	0.19	0.0	0.19
(1,773)	1:D:18:MET:CB	1:D:18:MET:CA	10	0.19	0.0	0.19
(1,773)	1:D:72:VAL:CB	1:D:74:MET:CA	10	0.19	0.0	0.19
(1,777)	1:D:18:MET:CB	1:D:18:MET:CA	10	0.19	0.0	0.19
(1,777)	1:D:75:VAL:CB	1:D:74:MET:CA	10	0.19	0.0	0.19
(1,975)	1:D:74:MET:CA	1:D:74:MET:C	10	0.19	0.01	0.2
(1,975)	1:D:32:PHE:CA	1:D:33:GLN:C	10	0.19	0.01	0.2
(1,1265)	1:D:83:ARG:CA	1:D:84:GLY:C	10	0.19	0.01	0.2
(1,1265)	1:D:74:MET:CA	1:D:74:MET:C	10	0.19	0.01	0.2
(1,1265)	1:D:74:MET:CA	1:D:77:TRP:C	10	0.19	0.01	0.2
(1,594)	1:A:68:PRO:CA	1:A:68:PRO:C	10	0.19	0.0	0.19
(1,594)	1:A:162:ILE:CA	1:A:158:VAL:C	10	0.19	0.0	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,594)	1:A:162:ILE:CA	1:A:161:VAL:C	10	0.19	0.0	0.19
(1,763)	1:D:18:MET:CG	1:D:18:MET:CA	10	0.19	0.01	0.19
(1,763)	1:D:74:MET:CB	1:D:74:MET:CA	10	0.19	0.01	0.19
(1,765)	1:D:74:MET:CB	1:D:74:MET:CA	10	0.19	0.01	0.19
(1,765)	1:D:18:MET:CG	1:D:18:MET:CA	10	0.19	0.01	0.19
(1,765)	1:D:68:PRO:CB	1:D:67:THR:CA	10	0.19	0.01	0.19
(1,1082)	1:D:18:MET:CA	1:D:18:MET:CG	10	0.19	0.01	0.19
(1,1082)	1:D:74:MET:CA	1:D:74:MET:CB	10	0.19	0.01	0.19
(1,44)	1:A:76:ILE:CB	1:A:75:VAL:CA	10	0.19	0.01	0.19
(1,44)	1:A:155:ILE:CB	1:A:155:ILE:CA	10	0.19	0.01	0.19
(1,44)	1:A:155:ILE:CB	1:A:156:VAL:CA	10	0.19	0.01	0.19
(1,1094)	1:D:123:VAL:CA	1:D:123:VAL:CB	10	0.19	0.0	0.19
(1,96)	1:A:18:MET:CG	1:A:18:MET:CA	10	0.18	0.01	0.18
(1,96)	1:A:74:MET:CB	1:A:74:MET:CA	10	0.18	0.01	0.18
(1,98)	1:A:74:MET:CB	1:A:74:MET:CA	10	0.18	0.01	0.18
(1,98)	1:A:18:MET:CG	1:A:18:MET:CA	10	0.18	0.01	0.18
(1,98)	1:A:68:PRO:CB	1:A:67:THR:CA	10	0.18	0.01	0.18
(1,415)	1:A:18:MET:CA	1:A:18:MET:CG	10	0.18	0.01	0.18
(1,415)	1:A:74:MET:CA	1:A:74:MET:CB	10	0.18	0.01	0.18
(1,859)	1:D:94:LEU:CG	1:D:93:MET:CB	10	0.18	0.0	0.18
(1,859)	1:D:45:ILE:CG1	1:D:45:ILE:CB	10	0.18	0.0	0.18
(1,860)	1:D:45:ILE:CG1	1:D:45:ILE:CB	10	0.18	0.0	0.18
(1,192)	1:A:94:LEU:CG	1:A:93:MET:CB	10	0.18	0.0	0.18
(1,192)	1:A:45:ILE:CG1	1:A:45:ILE:CB	10	0.18	0.0	0.18
(1,193)	1:A:45:ILE:CG1	1:A:45:ILE:CB	10	0.18	0.0	0.18
(1,427)	1:A:123:VAL:CA	1:A:123:VAL:CB	10	0.18	0.0	0.18
(1,637)	1:A:70:ARG:C	1:A:74:MET:CA	10	0.18	0.0	0.18
(1,637)	1:A:74:MET:C	1:A:74:MET:CA	10	0.18	0.0	0.18
(1,637)	1:A:75:VAL:C	1:A:74:MET:CA	10	0.18	0.0	0.18
(1,637)	1:A:77:TRP:C	1:A:74:MET:CA	10	0.18	0.0	0.18
(1,637)	1:A:68:PRO:C	1:A:67:THR:CA	10	0.18	0.0	0.18
(1,637)	1:A:84:GLY:C	1:A:83:ARG:CA	10	0.18	0.0	0.18
(1,637)	1:A:20:PHE:C	1:A:18:MET:CA	10	0.18	0.0	0.18
(1,637)	1:A:44:CYS:C	1:A:48:ARG:CA	10	0.18	0.0	0.18
(1,963)	1:D:68:PRO:CA	1:D:68:PRO:C	10	0.18	0.0	0.18
(1,963)	1:D:98:PRO:CA	1:D:96:LEU:C	10	0.18	0.0	0.18
(1,963)	1:D:68:PRO:CA	1:D:69:LEU:C	10	0.18	0.0	0.18
(1,963)	1:D:115:PRO:CA	1:D:117:ASP:C	10	0.18	0.0	0.18
(1,963)	1:D:150:PHE:CA	1:D:146:LEU:C	10	0.18	0.0	0.18
(1,963)	1:D:150:PHE:CA	1:D:151:ILE:C	10	0.18	0.0	0.18
(1,963)	1:D:35:VAL:CA	1:D:33:GLN:C	10	0.18	0.0	0.18
(1,598)	1:A:83:ARG:CA	1:A:84:GLY:C	10	0.18	0.01	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,598)	1:A:74:MET:CA	1:A:74:MET:C	10	0.18	0.01	0.18
(1,598)	1:A:74:MET:CA	1:A:77:TRP:C	10	0.18	0.01	0.18
(1,833)	1:D:63:ILE:CG1	1:D:63:ILE:CB	10	0.18	0.01	0.18
(1,852)	1:D:63:ILE:CG1	1:D:63:ILE:CB	10	0.18	0.01	0.18
(1,308)	1:A:74:MET:CA	1:A:74:MET:C	10	0.18	0.01	0.18
(1,308)	1:A:32:PHE:CA	1:A:33:GLN:C	10	0.18	0.01	0.18
(1,332)	1:A:104:CYS:CA	1:A:104:CYS:C	10	0.18	0.0	0.18
(1,616)	1:A:104:CYS:CA	1:A:104:CYS:C	10	0.18	0.0	0.18
(1,617)	1:A:104:CYS:CA	1:A:104:CYS:C	10	0.18	0.0	0.18
(1,968)	1:D:68:PRO:CA	1:D:68:PRO:C	10	0.18	0.0	0.18
(1,968)	1:D:68:PRO:CA	1:D:69:LEU:C	10	0.18	0.0	0.18
(1,968)	1:D:98:PRO:CA	1:D:96:LEU:C	10	0.18	0.0	0.18
(1,968)	1:D:150:PHE:CA	1:D:146:LEU:C	10	0.18	0.0	0.18
(1,968)	1:D:150:PHE:CA	1:D:151:ILE:C	10	0.18	0.0	0.18
(1,52)	1:A:104:CYS:CB	1:A:104:CYS:CA	10	0.17	0.0	0.17
(1,54)	1:A:104:CYS:CB	1:A:104:CYS:CA	10	0.17	0.0	0.17
(1,54)	1:A:25:LEU:CB	1:A:24:ALA:CA	10	0.17	0.0	0.17
(1,384)	1:A:104:CYS:CA	1:A:104:CYS:CB	10	0.17	0.0	0.17
(1,296)	1:A:68:PRO:CA	1:A:68:PRO:C	10	0.17	0.0	0.17
(1,296)	1:A:98:PRO:CA	1:A:96:LEU:C	10	0.17	0.0	0.17
(1,296)	1:A:68:PRO:CA	1:A:69:LEU:C	10	0.17	0.0	0.17
(1,296)	1:A:115:PRO:CA	1:A:117:ASP:C	10	0.17	0.0	0.17
(1,296)	1:A:150:PHE:CA	1:A:146:LEU:C	10	0.17	0.0	0.17
(1,296)	1:A:150:PHE:CA	1:A:151:ILE:C	10	0.17	0.0	0.17
(1,296)	1:A:35:VAL:CA	1:A:33:GLN:C	10	0.17	0.0	0.17
(1,301)	1:A:68:PRO:CA	1:A:68:PRO:C	10	0.17	0.0	0.17
(1,301)	1:A:68:PRO:CA	1:A:69:LEU:C	10	0.17	0.0	0.17
(1,301)	1:A:98:PRO:CA	1:A:96:LEU:C	10	0.17	0.0	0.17
(1,301)	1:A:150:PHE:CA	1:A:146:LEU:C	10	0.17	0.0	0.17
(1,301)	1:A:150:PHE:CA	1:A:151:ILE:C	10	0.17	0.0	0.17
(1,82)	1:A:158:VAL:CB	1:A:158:VAL:CA	10	0.17	0.0	0.17
(1,82)	1:A:160:VAL:CB	1:A:160:VAL:CA	10	0.17	0.0	0.17
(1,82)	1:A:160:VAL:CB	1:A:161:VAL:CA	10	0.17	0.0	0.17
(1,82)	1:A:161:VAL:CB	1:A:160:VAL:CA	10	0.17	0.0	0.17
(1,82)	1:A:161:VAL:CB	1:A:161:VAL:CA	10	0.17	0.0	0.17
(1,82)	1:A:49:VAL:CB	1:A:49:VAL:CA	10	0.17	0.0	0.17
(1,82)	1:A:54:VAL:CB	1:A:54:VAL:CA	10	0.17	0.0	0.17
(1,82)	1:A:85:VAL:CB	1:A:85:VAL:CA	10	0.17	0.0	0.17
(1,82)	1:A:155:ILE:CG1	1:A:155:ILE:CA	10	0.17	0.0	0.17
(1,82)	1:A:156:VAL:CB	1:A:155:ILE:CA	10	0.17	0.0	0.17
(1,82)	1:A:156:VAL:CB	1:A:156:VAL:CA	10	0.17	0.0	0.17
(1,721)	1:D:104:CYS:CB	1:D:104:CYS:CA	10	0.17	0.0	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,721)	1:D:25:LEU:CB	1:D:24:ALA:CA	10	0.17	0.0	0.17
(1,749)	1:D:158:VAL:CB	1:D:158:VAL:CA	10	0.17	0.0	0.17
(1,749)	1:D:160:VAL:CB	1:D:160:VAL:CA	10	0.17	0.0	0.17
(1,749)	1:D:160:VAL:CB	1:D:161:VAL:CA	10	0.17	0.0	0.17
(1,749)	1:D:161:VAL:CB	1:D:160:VAL:CA	10	0.17	0.0	0.17
(1,749)	1:D:161:VAL:CB	1:D:161:VAL:CA	10	0.17	0.0	0.17
(1,749)	1:D:49:VAL:CB	1:D:49:VAL:CA	10	0.17	0.0	0.17
(1,749)	1:D:54:VAL:CB	1:D:54:VAL:CA	10	0.17	0.0	0.17
(1,749)	1:D:85:VAL:CB	1:D:85:VAL:CA	10	0.17	0.0	0.17
(1,749)	1:D:155:ILE:CG1	1:D:155:ILE:CA	10	0.17	0.0	0.17
(1,749)	1:D:156:VAL:CB	1:D:155:ILE:CA	10	0.17	0.0	0.17
(1,749)	1:D:156:VAL:CB	1:D:156:VAL:CA	10	0.17	0.0	0.17
(1,999)	1:D:104:CYS:CA	1:D:104:CYS:C	10	0.17	0.0	0.17
(1,1283)	1:D:104:CYS:CA	1:D:104:CYS:C	10	0.17	0.0	0.17
(1,1284)	1:D:104:CYS:CA	1:D:104:CYS:C	10	0.17	0.0	0.17
(1,719)	1:D:104:CYS:CB	1:D:104:CYS:CA	10	0.17	0.01	0.17
(1,1051)	1:D:104:CYS:CA	1:D:104:CYS:CB	10	0.17	0.01	0.17
(1,315)	1:A:67:THR:CA	1:A:68:PRO:C	10	0.15	0.0	0.15
(1,315)	1:A:103:THR:CA	1:A:103:THR:C	10	0.15	0.0	0.15
(1,315)	1:A:40:PRO:CA	1:A:38:LEU:C	10	0.15	0.0	0.15
(1,316)	1:A:40:PRO:CA	1:A:38:LEU:C	10	0.15	0.0	0.15
(1,316)	1:A:103:THR:CA	1:A:103:THR:C	10	0.15	0.0	0.15
(1,317)	1:A:145:TRP:CA	1:A:146:LEU:C	10	0.15	0.0	0.15
(1,317)	1:A:103:THR:CA	1:A:103:THR:C	10	0.15	0.0	0.15
(1,603)	1:A:103:THR:CA	1:A:103:THR:C	10	0.15	0.0	0.15
(1,603)	1:A:26:GLU:CA	1:A:28:THR:C	10	0.15	0.0	0.15
(1,604)	1:A:103:THR:CA	1:A:103:THR:C	10	0.15	0.0	0.15
(1,604)	1:A:26:GLU:CA	1:A:28:THR:C	10	0.15	0.0	0.15
(1,982)	1:D:67:THR:CA	1:D:68:PRO:C	10	0.13	0.0	0.13
(1,982)	1:D:103:THR:CA	1:D:103:THR:C	10	0.13	0.0	0.13
(1,982)	1:D:40:PRO:CA	1:D:38:LEU:C	10	0.13	0.0	0.13
(1,983)	1:D:40:PRO:CA	1:D:38:LEU:C	10	0.13	0.0	0.13
(1,983)	1:D:103:THR:CA	1:D:103:THR:C	10	0.13	0.0	0.13
(1,984)	1:D:145:TRP:CA	1:D:146:LEU:C	10	0.13	0.0	0.13
(1,984)	1:D:103:THR:CA	1:D:103:THR:C	10	0.13	0.0	0.13
(1,1270)	1:D:103:THR:CA	1:D:103:THR:C	10	0.13	0.0	0.13
(1,1270)	1:D:26:GLU:CA	1:D:28:THR:C	10	0.13	0.0	0.13
(1,1271)	1:D:103:THR:CA	1:D:103:THR:C	10	0.13	0.0	0.13
(1,1271)	1:D:26:GLU:CA	1:D:28:THR:C	10	0.13	0.0	0.13
(1,78)	1:A:54:VAL:CB	1:A:54:VAL:CA	10	0.11	0.0	0.11
(1,78)	1:A:85:VAL:CB	1:A:85:VAL:CA	10	0.11	0.0	0.11
(1,78)	1:A:155:ILE:CG1	1:A:155:ILE:CA	10	0.11	0.0	0.11

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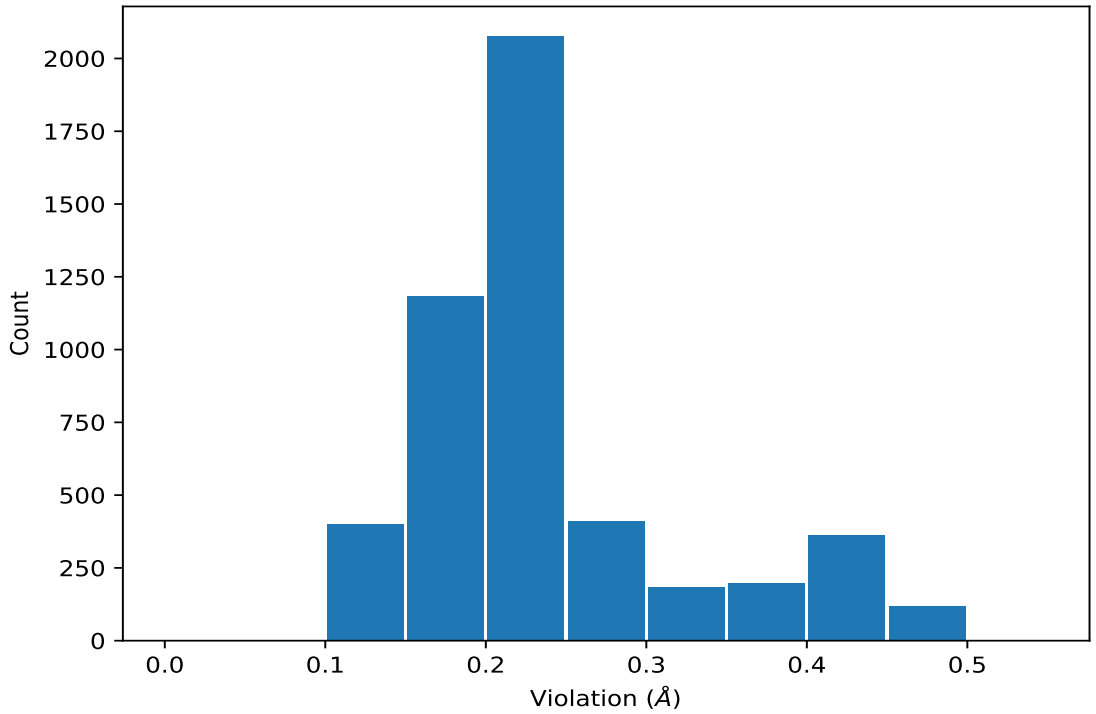
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,78)	1:A:156:VAL:CB	1:A:155:ILE:CA	10	0.11	0.0	0.11
(1,78)	1:A:156:VAL:CB	1:A:156:VAL:CA	10	0.11	0.0	0.11
(1,78)	1:A:158:VAL:CB	1:A:158:VAL:CA	10	0.11	0.0	0.11
(1,78)	1:A:161:VAL:CB	1:A:160:VAL:CA	10	0.11	0.0	0.11
(1,78)	1:A:161:VAL:CB	1:A:161:VAL:CA	10	0.11	0.0	0.11
(1,745)	1:D:54:VAL:CB	1:D:54:VAL:CA	10	0.11	0.0	0.11
(1,745)	1:D:85:VAL:CB	1:D:85:VAL:CA	10	0.11	0.0	0.11
(1,745)	1:D:155:ILE:CG1	1:D:155:ILE:CA	10	0.11	0.0	0.11
(1,745)	1:D:156:VAL:CB	1:D:155:ILE:CA	10	0.11	0.0	0.11
(1,745)	1:D:156:VAL:CB	1:D:156:VAL:CA	10	0.11	0.0	0.11
(1,745)	1:D:158:VAL:CB	1:D:158:VAL:CA	10	0.11	0.0	0.11
(1,745)	1:D:161:VAL:CB	1:D:160:VAL:CA	10	0.11	0.0	0.11
(1,745)	1:D:161:VAL:CB	1:D:161:VAL:CA	10	0.11	0.0	0.11
(1,538)	1:A:68:PRO:CB	1:A:70:ARG:C	5	0.15	0.06	0.12
(1,766)	1:D:68:PRO:CB	1:D:70:ARG:CA	5	0.13	0.01	0.12
(1,9)	1:A:100:PRO:CD	1:A:102:ALA:CA	3	0.19	0.04	0.18
(1,1100)	1:D:22:ALA:CA	1:D:26:GLU:CA	3	0.12	0.01	0.11
(1,161)	1:A:49:VAL:CB	1:A:48:ARG:CD	2	0.34	0.22	0.34
(1,1043)	1:D:68:PRO:CD	1:D:65:PRO:CD	2	0.18	0.04	0.18
(1,46)	1:A:155:ILE:CB	1:A:153:TYR:CA	2	0.12	0.0	0.12

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:A:49:VAL:CB	1:A:48:ARG:CD	9	0.55
(1,709)	1:D:149:ILE:CB	1:D:149:ILE:CA	5	0.48
(1,709)	1:D:155:ILE:CB	1:D:155:ILE:CA	5	0.48
(1,709)	1:D:76:ILE:CB	1:D:76:ILE:CA	5	0.48
(1,1048)	1:D:149:ILE:CB	1:D:149:ILE:CA	5	0.48
(1,1048)	1:D:155:ILE:CB	1:D:155:ILE:CA	5	0.48
(1,1048)	1:D:76:ILE:CB	1:D:76:ILE:CA	5	0.48
(1,709)	1:D:149:ILE:CB	1:D:149:ILE:CA	1	0.47
(1,709)	1:D:155:ILE:CB	1:D:155:ILE:CA	1	0.47
(1,709)	1:D:76:ILE:CB	1:D:76:ILE:CA	1	0.47
(1,709)	1:D:149:ILE:CB	1:D:149:ILE:CA	2	0.47
(1,709)	1:D:155:ILE:CB	1:D:155:ILE:CA	2	0.47
(1,709)	1:D:76:ILE:CB	1:D:76:ILE:CA	2	0.47
(1,709)	1:D:149:ILE:CB	1:D:149:ILE:CA	3	0.47
(1,709)	1:D:155:ILE:CB	1:D:155:ILE:CA	3	0.47
(1,709)	1:D:76:ILE:CB	1:D:76:ILE:CA	3	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,709)	1:D:149:ILE:CB	1:D:149:ILE:CA	4	0.47
(1,709)	1:D:155:ILE:CB	1:D:155:ILE:CA	4	0.47
(1,709)	1:D:76:ILE:CB	1:D:76:ILE:CA	4	0.47
(1,709)	1:D:149:ILE:CB	1:D:149:ILE:CA	6	0.47
(1,709)	1:D:155:ILE:CB	1:D:155:ILE:CA	6	0.47
(1,709)	1:D:76:ILE:CB	1:D:76:ILE:CA	6	0.47
(1,709)	1:D:149:ILE:CB	1:D:149:ILE:CA	7	0.47
(1,709)	1:D:155:ILE:CB	1:D:155:ILE:CA	7	0.47
(1,709)	1:D:76:ILE:CB	1:D:76:ILE:CA	7	0.47
(1,709)	1:D:149:ILE:CB	1:D:149:ILE:CA	8	0.47
(1,709)	1:D:155:ILE:CB	1:D:155:ILE:CA	8	0.47
(1,709)	1:D:76:ILE:CB	1:D:76:ILE:CA	8	0.47
(1,709)	1:D:149:ILE:CB	1:D:149:ILE:CA	9	0.47
(1,709)	1:D:155:ILE:CB	1:D:155:ILE:CA	9	0.47
(1,709)	1:D:76:ILE:CB	1:D:76:ILE:CA	9	0.47
(1,709)	1:D:149:ILE:CB	1:D:149:ILE:CA	10	0.47
(1,709)	1:D:155:ILE:CB	1:D:155:ILE:CA	10	0.47
(1,709)	1:D:76:ILE:CB	1:D:76:ILE:CA	10	0.47
(1,42)	1:A:149:ILE:CB	1:A:149:ILE:CA	2	0.47
(1,42)	1:A:155:ILE:CB	1:A:155:ILE:CA	2	0.47
(1,42)	1:A:76:ILE:CB	1:A:76:ILE:CA	2	0.47
(1,42)	1:A:149:ILE:CB	1:A:149:ILE:CA	4	0.47
(1,42)	1:A:155:ILE:CB	1:A:155:ILE:CA	4	0.47
(1,42)	1:A:76:ILE:CB	1:A:76:ILE:CA	4	0.47
(1,42)	1:A:149:ILE:CB	1:A:149:ILE:CA	5	0.47
(1,42)	1:A:155:ILE:CB	1:A:155:ILE:CA	5	0.47
(1,42)	1:A:76:ILE:CB	1:A:76:ILE:CA	5	0.47
(1,42)	1:A:149:ILE:CB	1:A:149:ILE:CA	6	0.47
(1,42)	1:A:155:ILE:CB	1:A:155:ILE:CA	6	0.47
(1,42)	1:A:76:ILE:CB	1:A:76:ILE:CA	6	0.47
(1,42)	1:A:149:ILE:CB	1:A:149:ILE:CA	7	0.47
(1,42)	1:A:155:ILE:CB	1:A:155:ILE:CA	7	0.47
(1,42)	1:A:76:ILE:CB	1:A:76:ILE:CA	7	0.47
(1,42)	1:A:149:ILE:CB	1:A:149:ILE:CA	8	0.47
(1,42)	1:A:155:ILE:CB	1:A:155:ILE:CA	8	0.47
(1,42)	1:A:76:ILE:CB	1:A:76:ILE:CA	8	0.47
(1,42)	1:A:149:ILE:CB	1:A:149:ILE:CA	10	0.47
(1,42)	1:A:155:ILE:CB	1:A:155:ILE:CA	10	0.47
(1,42)	1:A:76:ILE:CB	1:A:76:ILE:CA	10	0.47
(1,381)	1:A:149:ILE:CB	1:A:149:ILE:CA	2	0.47
(1,381)	1:A:155:ILE:CB	1:A:155:ILE:CA	2	0.47
(1,381)	1:A:76:ILE:CB	1:A:76:ILE:CA	2	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,381)	1:A:149:ILE:CB	1:A:149:ILE:CA	4	0.47
(1,381)	1:A:155:ILE:CB	1:A:155:ILE:CA	4	0.47
(1,381)	1:A:76:ILE:CB	1:A:76:ILE:CA	4	0.47
(1,381)	1:A:149:ILE:CB	1:A:149:ILE:CA	5	0.47
(1,381)	1:A:155:ILE:CB	1:A:155:ILE:CA	5	0.47
(1,381)	1:A:76:ILE:CB	1:A:76:ILE:CA	5	0.47
(1,381)	1:A:149:ILE:CB	1:A:149:ILE:CA	6	0.47
(1,381)	1:A:155:ILE:CB	1:A:155:ILE:CA	6	0.47
(1,381)	1:A:76:ILE:CB	1:A:76:ILE:CA	6	0.47
(1,381)	1:A:149:ILE:CB	1:A:149:ILE:CA	7	0.47
(1,381)	1:A:155:ILE:CB	1:A:155:ILE:CA	7	0.47
(1,381)	1:A:76:ILE:CB	1:A:76:ILE:CA	7	0.47
(1,381)	1:A:149:ILE:CB	1:A:149:ILE:CA	8	0.47
(1,381)	1:A:155:ILE:CB	1:A:155:ILE:CA	8	0.47
(1,381)	1:A:76:ILE:CB	1:A:76:ILE:CA	8	0.47
(1,381)	1:A:149:ILE:CB	1:A:149:ILE:CA	10	0.47
(1,381)	1:A:155:ILE:CB	1:A:155:ILE:CA	10	0.47
(1,381)	1:A:76:ILE:CB	1:A:76:ILE:CA	10	0.47
(1,1048)	1:D:149:ILE:CB	1:D:149:ILE:CA	1	0.47
(1,1048)	1:D:155:ILE:CB	1:D:155:ILE:CA	1	0.47
(1,1048)	1:D:76:ILE:CB	1:D:76:ILE:CA	1	0.47
(1,1048)	1:D:149:ILE:CB	1:D:149:ILE:CA	2	0.47
(1,1048)	1:D:155:ILE:CB	1:D:155:ILE:CA	2	0.47
(1,1048)	1:D:76:ILE:CB	1:D:76:ILE:CA	2	0.47
(1,1048)	1:D:149:ILE:CB	1:D:149:ILE:CA	3	0.47
(1,1048)	1:D:155:ILE:CB	1:D:155:ILE:CA	3	0.47
(1,1048)	1:D:76:ILE:CB	1:D:76:ILE:CA	3	0.47
(1,1048)	1:D:149:ILE:CB	1:D:149:ILE:CA	4	0.47
(1,1048)	1:D:155:ILE:CB	1:D:155:ILE:CA	4	0.47
(1,1048)	1:D:76:ILE:CB	1:D:76:ILE:CA	4	0.47
(1,1048)	1:D:149:ILE:CB	1:D:149:ILE:CA	6	0.47
(1,1048)	1:D:155:ILE:CB	1:D:155:ILE:CA	6	0.47
(1,1048)	1:D:76:ILE:CB	1:D:76:ILE:CA	6	0.47
(1,1048)	1:D:149:ILE:CB	1:D:149:ILE:CA	7	0.47
(1,1048)	1:D:155:ILE:CB	1:D:155:ILE:CA	7	0.47
(1,1048)	1:D:76:ILE:CB	1:D:76:ILE:CA	7	0.47
(1,1048)	1:D:149:ILE:CB	1:D:149:ILE:CA	8	0.47
(1,1048)	1:D:155:ILE:CB	1:D:155:ILE:CA	8	0.47
(1,1048)	1:D:76:ILE:CB	1:D:76:ILE:CA	8	0.47
(1,1048)	1:D:149:ILE:CB	1:D:149:ILE:CA	9	0.47
(1,1048)	1:D:155:ILE:CB	1:D:155:ILE:CA	9	0.47
(1,1048)	1:D:76:ILE:CB	1:D:76:ILE:CA	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1048)	1:D:149:ILE:CB	1:D:149:ILE:CA	10	0.47
(1,1048)	1:D:155:ILE:CB	1:D:155:ILE:CA	10	0.47
(1,1048)	1:D:76:ILE:CB	1:D:76:ILE:CA	10	0.47
(1,42)	1:A:149:ILE:CB	1:A:149:ILE:CA	1	0.46
(1,42)	1:A:155:ILE:CB	1:A:155:ILE:CA	1	0.46
(1,42)	1:A:76:ILE:CB	1:A:76:ILE:CA	1	0.46
(1,42)	1:A:149:ILE:CB	1:A:149:ILE:CA	3	0.46
(1,42)	1:A:155:ILE:CB	1:A:155:ILE:CA	3	0.46
(1,42)	1:A:76:ILE:CB	1:A:76:ILE:CA	3	0.46
(1,42)	1:A:149:ILE:CB	1:A:149:ILE:CA	9	0.46
(1,42)	1:A:155:ILE:CB	1:A:155:ILE:CA	9	0.46
(1,42)	1:A:76:ILE:CB	1:A:76:ILE:CA	9	0.46
(1,381)	1:A:149:ILE:CB	1:A:149:ILE:CA	1	0.46
(1,381)	1:A:155:ILE:CB	1:A:155:ILE:CA	1	0.46
(1,381)	1:A:76:ILE:CB	1:A:76:ILE:CA	1	0.46
(1,381)	1:A:149:ILE:CB	1:A:149:ILE:CA	3	0.46
(1,381)	1:A:155:ILE:CB	1:A:155:ILE:CA	3	0.46
(1,381)	1:A:76:ILE:CB	1:A:76:ILE:CA	3	0.46
(1,381)	1:A:149:ILE:CB	1:A:149:ILE:CA	9	0.46
(1,381)	1:A:155:ILE:CB	1:A:155:ILE:CA	9	0.46
(1,381)	1:A:76:ILE:CB	1:A:76:ILE:CA	9	0.46
(1,368)	1:A:72:VAL:CA	1:A:69:LEU:C	4	0.44
(1,368)	1:A:72:VAL:CA	1:A:74:MET:C	4	0.44
(1,368)	1:A:63:ILE:CA	1:A:59:LEU:C	4	0.44
(1,368)	1:A:76:ILE:CA	1:A:74:MET:C	4	0.44
(1,368)	1:A:149:ILE:CA	1:A:151:ILE:C	4	0.44
(1,368)	1:A:151:ILE:CA	1:A:151:ILE:C	4	0.44
(1,368)	1:A:155:ILE:CA	1:A:151:ILE:C	4	0.44
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	4	0.44
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	4	0.44
(1,368)	1:A:72:VAL:CA	1:A:69:LEU:C	7	0.44
(1,368)	1:A:72:VAL:CA	1:A:74:MET:C	7	0.44
(1,368)	1:A:63:ILE:CA	1:A:59:LEU:C	7	0.44
(1,368)	1:A:76:ILE:CA	1:A:74:MET:C	7	0.44
(1,368)	1:A:149:ILE:CA	1:A:151:ILE:C	7	0.44
(1,368)	1:A:151:ILE:CA	1:A:151:ILE:C	7	0.44
(1,368)	1:A:155:ILE:CA	1:A:151:ILE:C	7	0.44
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	7	0.44
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	7	0.44
(1,368)	1:A:72:VAL:CA	1:A:69:LEU:C	9	0.44
(1,368)	1:A:72:VAL:CA	1:A:74:MET:C	9	0.44
(1,368)	1:A:63:ILE:CA	1:A:59:LEU:C	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,368)	1:A:76:ILE:CA	1:A:74:MET:C	9	0.44
(1,368)	1:A:149:ILE:CA	1:A:151:ILE:C	9	0.44
(1,368)	1:A:151:ILE:CA	1:A:151:ILE:C	9	0.44
(1,368)	1:A:155:ILE:CA	1:A:151:ILE:C	9	0.44
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	9	0.44
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	9	0.44
(1,368)	1:A:72:VAL:CA	1:A:69:LEU:C	10	0.44
(1,368)	1:A:72:VAL:CA	1:A:74:MET:C	10	0.44
(1,368)	1:A:63:ILE:CA	1:A:59:LEU:C	10	0.44
(1,368)	1:A:76:ILE:CA	1:A:74:MET:C	10	0.44
(1,368)	1:A:149:ILE:CA	1:A:151:ILE:C	10	0.44
(1,368)	1:A:151:ILE:CA	1:A:151:ILE:C	10	0.44
(1,368)	1:A:155:ILE:CA	1:A:151:ILE:C	10	0.44
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	10	0.44
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	10	0.44
(1,1035)	1:D:72:VAL:CA	1:D:69:LEU:C	1	0.44
(1,1035)	1:D:72:VAL:CA	1:D:74:MET:C	1	0.44
(1,1035)	1:D:63:ILE:CA	1:D:59:LEU:C	1	0.44
(1,1035)	1:D:76:ILE:CA	1:D:74:MET:C	1	0.44
(1,1035)	1:D:149:ILE:CA	1:D:151:ILE:C	1	0.44
(1,1035)	1:D:151:ILE:CA	1:D:151:ILE:C	1	0.44
(1,1035)	1:D:155:ILE:CA	1:D:151:ILE:C	1	0.44
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	1	0.44
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	1	0.44
(1,1035)	1:D:72:VAL:CA	1:D:69:LEU:C	4	0.44
(1,1035)	1:D:72:VAL:CA	1:D:74:MET:C	4	0.44
(1,1035)	1:D:63:ILE:CA	1:D:59:LEU:C	4	0.44
(1,1035)	1:D:76:ILE:CA	1:D:74:MET:C	4	0.44
(1,1035)	1:D:149:ILE:CA	1:D:151:ILE:C	4	0.44
(1,1035)	1:D:151:ILE:CA	1:D:151:ILE:C	4	0.44
(1,1035)	1:D:155:ILE:CA	1:D:151:ILE:C	4	0.44
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	4	0.44
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	4	0.44
(1,1035)	1:D:72:VAL:CA	1:D:69:LEU:C	5	0.44
(1,1035)	1:D:72:VAL:CA	1:D:74:MET:C	5	0.44
(1,1035)	1:D:63:ILE:CA	1:D:59:LEU:C	5	0.44
(1,1035)	1:D:76:ILE:CA	1:D:74:MET:C	5	0.44
(1,1035)	1:D:149:ILE:CA	1:D:151:ILE:C	5	0.44
(1,1035)	1:D:151:ILE:CA	1:D:151:ILE:C	5	0.44
(1,1035)	1:D:155:ILE:CA	1:D:151:ILE:C	5	0.44
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	5	0.44
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	5	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1035)	1:D:72:VAL:CA	1:D:69:LEU:C	8	0.44
(1,1035)	1:D:72:VAL:CA	1:D:74:MET:C	8	0.44
(1,1035)	1:D:63:ILE:CA	1:D:59:LEU:C	8	0.44
(1,1035)	1:D:76:ILE:CA	1:D:74:MET:C	8	0.44
(1,1035)	1:D:149:ILE:CA	1:D:151:ILE:C	8	0.44
(1,1035)	1:D:151:ILE:CA	1:D:151:ILE:C	8	0.44
(1,1035)	1:D:155:ILE:CA	1:D:151:ILE:C	8	0.44
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	8	0.44
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	8	0.44
(1,838)	1:D:70:ARG:CG	1:D:70:ARG:CD	3	0.43
(1,838)	1:D:78:LEU:CG	1:D:78:LEU:CB	3	0.43
(1,838)	1:D:70:ARG:CG	1:D:70:ARG:CD	4	0.43
(1,838)	1:D:78:LEU:CG	1:D:78:LEU:CB	4	0.43
(1,368)	1:A:72:VAL:CA	1:A:69:LEU:C	1	0.43
(1,368)	1:A:72:VAL:CA	1:A:74:MET:C	1	0.43
(1,368)	1:A:63:ILE:CA	1:A:59:LEU:C	1	0.43
(1,368)	1:A:76:ILE:CA	1:A:74:MET:C	1	0.43
(1,368)	1:A:149:ILE:CA	1:A:151:ILE:C	1	0.43
(1,368)	1:A:151:ILE:CA	1:A:151:ILE:C	1	0.43
(1,368)	1:A:155:ILE:CA	1:A:151:ILE:C	1	0.43
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	1	0.43
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	1	0.43
(1,368)	1:A:72:VAL:CA	1:A:69:LEU:C	2	0.43
(1,368)	1:A:72:VAL:CA	1:A:74:MET:C	2	0.43
(1,368)	1:A:63:ILE:CA	1:A:59:LEU:C	2	0.43
(1,368)	1:A:76:ILE:CA	1:A:74:MET:C	2	0.43
(1,368)	1:A:149:ILE:CA	1:A:151:ILE:C	2	0.43
(1,368)	1:A:151:ILE:CA	1:A:151:ILE:C	2	0.43
(1,368)	1:A:155:ILE:CA	1:A:151:ILE:C	2	0.43
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	2	0.43
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	2	0.43
(1,368)	1:A:72:VAL:CA	1:A:69:LEU:C	3	0.43
(1,368)	1:A:72:VAL:CA	1:A:74:MET:C	3	0.43
(1,368)	1:A:63:ILE:CA	1:A:59:LEU:C	3	0.43
(1,368)	1:A:76:ILE:CA	1:A:74:MET:C	3	0.43
(1,368)	1:A:149:ILE:CA	1:A:151:ILE:C	3	0.43
(1,368)	1:A:151:ILE:CA	1:A:151:ILE:C	3	0.43
(1,368)	1:A:155:ILE:CA	1:A:151:ILE:C	3	0.43
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	3	0.43
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	3	0.43
(1,368)	1:A:72:VAL:CA	1:A:69:LEU:C	5	0.43
(1,368)	1:A:72:VAL:CA	1:A:74:MET:C	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,368)	1:A:63:ILE:CA	1:A:59:LEU:C	5	0.43
(1,368)	1:A:76:ILE:CA	1:A:74:MET:C	5	0.43
(1,368)	1:A:149:ILE:CA	1:A:151:ILE:C	5	0.43
(1,368)	1:A:151:ILE:CA	1:A:151:ILE:C	5	0.43
(1,368)	1:A:155:ILE:CA	1:A:151:ILE:C	5	0.43
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	5	0.43
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	5	0.43
(1,368)	1:A:72:VAL:CA	1:A:69:LEU:C	6	0.43
(1,368)	1:A:72:VAL:CA	1:A:74:MET:C	6	0.43
(1,368)	1:A:63:ILE:CA	1:A:59:LEU:C	6	0.43
(1,368)	1:A:76:ILE:CA	1:A:74:MET:C	6	0.43
(1,368)	1:A:149:ILE:CA	1:A:151:ILE:C	6	0.43
(1,368)	1:A:151:ILE:CA	1:A:151:ILE:C	6	0.43
(1,368)	1:A:155:ILE:CA	1:A:151:ILE:C	6	0.43
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	6	0.43
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	6	0.43
(1,368)	1:A:72:VAL:CA	1:A:69:LEU:C	8	0.43
(1,368)	1:A:72:VAL:CA	1:A:74:MET:C	8	0.43
(1,368)	1:A:63:ILE:CA	1:A:59:LEU:C	8	0.43
(1,368)	1:A:76:ILE:CA	1:A:74:MET:C	8	0.43
(1,368)	1:A:149:ILE:CA	1:A:151:ILE:C	8	0.43
(1,368)	1:A:151:ILE:CA	1:A:151:ILE:C	8	0.43
(1,368)	1:A:155:ILE:CA	1:A:151:ILE:C	8	0.43
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	8	0.43
(1,368)	1:A:155:ILE:CA	1:A:155:ILE:C	8	0.43
(1,1035)	1:D:72:VAL:CA	1:D:69:LEU:C	2	0.43
(1,1035)	1:D:72:VAL:CA	1:D:74:MET:C	2	0.43
(1,1035)	1:D:63:ILE:CA	1:D:59:LEU:C	2	0.43
(1,1035)	1:D:76:ILE:CA	1:D:74:MET:C	2	0.43
(1,1035)	1:D:149:ILE:CA	1:D:151:ILE:C	2	0.43
(1,1035)	1:D:151:ILE:CA	1:D:151:ILE:C	2	0.43
(1,1035)	1:D:155:ILE:CA	1:D:151:ILE:C	2	0.43
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	2	0.43
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	2	0.43
(1,1035)	1:D:72:VAL:CA	1:D:69:LEU:C	3	0.43
(1,1035)	1:D:72:VAL:CA	1:D:74:MET:C	3	0.43
(1,1035)	1:D:63:ILE:CA	1:D:59:LEU:C	3	0.43
(1,1035)	1:D:76:ILE:CA	1:D:74:MET:C	3	0.43
(1,1035)	1:D:149:ILE:CA	1:D:151:ILE:C	3	0.43
(1,1035)	1:D:151:ILE:CA	1:D:151:ILE:C	3	0.43
(1,1035)	1:D:155:ILE:CA	1:D:151:ILE:C	3	0.43
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	3	0.43
(1,1035)	1:D:72:VAL:CA	1:D:69:LEU:C	6	0.43
(1,1035)	1:D:72:VAL:CA	1:D:74:MET:C	6	0.43
(1,1035)	1:D:63:ILE:CA	1:D:59:LEU:C	6	0.43
(1,1035)	1:D:76:ILE:CA	1:D:74:MET:C	6	0.43
(1,1035)	1:D:149:ILE:CA	1:D:151:ILE:C	6	0.43
(1,1035)	1:D:151:ILE:CA	1:D:151:ILE:C	6	0.43
(1,1035)	1:D:155:ILE:CA	1:D:151:ILE:C	6	0.43
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	6	0.43
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	6	0.43
(1,1035)	1:D:72:VAL:CA	1:D:69:LEU:C	7	0.43
(1,1035)	1:D:72:VAL:CA	1:D:74:MET:C	7	0.43
(1,1035)	1:D:63:ILE:CA	1:D:59:LEU:C	7	0.43
(1,1035)	1:D:76:ILE:CA	1:D:74:MET:C	7	0.43
(1,1035)	1:D:149:ILE:CA	1:D:151:ILE:C	7	0.43
(1,1035)	1:D:151:ILE:CA	1:D:151:ILE:C	7	0.43
(1,1035)	1:D:155:ILE:CA	1:D:151:ILE:C	7	0.43
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	7	0.43
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	7	0.43
(1,1035)	1:D:72:VAL:CA	1:D:69:LEU:C	9	0.43
(1,1035)	1:D:72:VAL:CA	1:D:74:MET:C	9	0.43
(1,1035)	1:D:63:ILE:CA	1:D:59:LEU:C	9	0.43
(1,1035)	1:D:76:ILE:CA	1:D:74:MET:C	9	0.43
(1,1035)	1:D:149:ILE:CA	1:D:151:ILE:C	9	0.43
(1,1035)	1:D:151:ILE:CA	1:D:151:ILE:C	9	0.43
(1,1035)	1:D:155:ILE:CA	1:D:151:ILE:C	9	0.43
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	9	0.43
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	9	0.43
(1,1035)	1:D:72:VAL:CA	1:D:69:LEU:C	10	0.43
(1,1035)	1:D:72:VAL:CA	1:D:74:MET:C	10	0.43
(1,1035)	1:D:63:ILE:CA	1:D:59:LEU:C	10	0.43
(1,1035)	1:D:76:ILE:CA	1:D:74:MET:C	10	0.43
(1,1035)	1:D:149:ILE:CA	1:D:151:ILE:C	10	0.43
(1,1035)	1:D:151:ILE:CA	1:D:151:ILE:C	10	0.43
(1,1035)	1:D:155:ILE:CA	1:D:151:ILE:C	10	0.43
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	10	0.43
(1,1035)	1:D:155:ILE:CA	1:D:155:ILE:C	10	0.43
(1,838)	1:D:70:ARG:CG	1:D:70:ARG:CD	1	0.42
(1,838)	1:D:78:LEU:CG	1:D:78:LEU:CB	1	0.42
(1,838)	1:D:70:ARG:CG	1:D:70:ARG:CD	2	0.42
(1,838)	1:D:78:LEU:CG	1:D:78:LEU:CB	2	0.42
(1,838)	1:D:70:ARG:CG	1:D:70:ARG:CD	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:D:78:LEU:CG	1:D:78:LEU:CB	5	0.42
(1,838)	1:D:70:ARG:CG	1:D:70:ARG:CD	6	0.42
(1,838)	1:D:78:LEU:CG	1:D:78:LEU:CB	6	0.42
(1,838)	1:D:70:ARG:CG	1:D:70:ARG:CD	7	0.42
(1,838)	1:D:78:LEU:CG	1:D:78:LEU:CB	7	0.42
(1,838)	1:D:70:ARG:CG	1:D:70:ARG:CD	8	0.42
(1,838)	1:D:78:LEU:CG	1:D:78:LEU:CB	8	0.42
(1,838)	1:D:70:ARG:CG	1:D:70:ARG:CD	9	0.42
(1,838)	1:D:78:LEU:CG	1:D:78:LEU:CB	9	0.42
(1,838)	1:D:70:ARG:CG	1:D:70:ARG:CD	10	0.42
(1,838)	1:D:78:LEU:CG	1:D:78:LEU:CB	10	0.42
(1,866)	1:D:74:MET:CB	1:D:74:MET:CG	3	0.41
(1,866)	1:D:93:MET:CB	1:D:93:MET:CG	3	0.41
(1,866)	1:D:74:MET:CB	1:D:74:MET:CG	4	0.41
(1,866)	1:D:93:MET:CB	1:D:93:MET:CG	4	0.41
(1,866)	1:D:74:MET:CB	1:D:74:MET:CG	9	0.41
(1,866)	1:D:93:MET:CB	1:D:93:MET:CG	9	0.41
(1,199)	1:A:74:MET:CB	1:A:74:MET:CG	1	0.41
(1,199)	1:A:93:MET:CB	1:A:93:MET:CG	1	0.41
(1,199)	1:A:74:MET:CB	1:A:74:MET:CG	2	0.41
(1,199)	1:A:93:MET:CB	1:A:93:MET:CG	2	0.41
(1,199)	1:A:74:MET:CB	1:A:74:MET:CG	3	0.41
(1,199)	1:A:93:MET:CB	1:A:93:MET:CG	3	0.41
(1,199)	1:A:74:MET:CB	1:A:74:MET:CG	4	0.41
(1,199)	1:A:93:MET:CB	1:A:93:MET:CG	4	0.41
(1,199)	1:A:74:MET:CB	1:A:74:MET:CG	5	0.41
(1,199)	1:A:93:MET:CB	1:A:93:MET:CG	5	0.41
(1,199)	1:A:74:MET:CB	1:A:74:MET:CG	6	0.41
(1,199)	1:A:93:MET:CB	1:A:93:MET:CG	6	0.41
(1,199)	1:A:74:MET:CB	1:A:74:MET:CG	7	0.41
(1,199)	1:A:93:MET:CB	1:A:93:MET:CG	7	0.41
(1,199)	1:A:74:MET:CB	1:A:74:MET:CG	8	0.41
(1,199)	1:A:93:MET:CB	1:A:93:MET:CG	8	0.41
(1,199)	1:A:74:MET:CB	1:A:74:MET:CG	9	0.41
(1,199)	1:A:93:MET:CB	1:A:93:MET:CG	9	0.41
(1,199)	1:A:74:MET:CB	1:A:74:MET:CG	10	0.41
(1,199)	1:A:93:MET:CB	1:A:93:MET:CG	10	0.41
(1,179)	1:A:155:ILE:CG1	1:A:155:ILE:CB	2	0.41
(1,179)	1:A:76:ILE:CG1	1:A:76:ILE:CB	2	0.41
(1,179)	1:A:155:ILE:CG1	1:A:155:ILE:CB	4	0.41
(1,179)	1:A:76:ILE:CG1	1:A:76:ILE:CB	4	0.41
(1,179)	1:A:155:ILE:CG1	1:A:155:ILE:CB	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,179)	1:A:76:ILE:CG1	1:A:76:ILE:CB	6	0.41
(1,179)	1:A:155:ILE:CG1	1:A:155:ILE:CB	7	0.41
(1,179)	1:A:76:ILE:CG1	1:A:76:ILE:CB	7	0.41
(1,866)	1:D:74:MET:CB	1:D:74:MET:CG	1	0.4
(1,866)	1:D:93:MET:CB	1:D:93:MET:CG	1	0.4
(1,866)	1:D:74:MET:CB	1:D:74:MET:CG	2	0.4
(1,866)	1:D:93:MET:CB	1:D:93:MET:CG	2	0.4
(1,866)	1:D:74:MET:CB	1:D:74:MET:CG	5	0.4
(1,866)	1:D:93:MET:CB	1:D:93:MET:CG	5	0.4
(1,866)	1:D:74:MET:CB	1:D:74:MET:CG	6	0.4
(1,866)	1:D:93:MET:CB	1:D:93:MET:CG	6	0.4
(1,866)	1:D:74:MET:CB	1:D:74:MET:CG	7	0.4
(1,866)	1:D:93:MET:CB	1:D:93:MET:CG	7	0.4
(1,866)	1:D:74:MET:CB	1:D:74:MET:CG	8	0.4
(1,866)	1:D:93:MET:CB	1:D:93:MET:CG	8	0.4
(1,866)	1:D:74:MET:CB	1:D:74:MET:CG	10	0.4
(1,866)	1:D:93:MET:CB	1:D:93:MET:CG	10	0.4
(1,846)	1:D:155:ILE:CG1	1:D:155:ILE:CB	1	0.4
(1,846)	1:D:76:ILE:CG1	1:D:76:ILE:CB	1	0.4
(1,846)	1:D:155:ILE:CG1	1:D:155:ILE:CB	2	0.4
(1,846)	1:D:76:ILE:CG1	1:D:76:ILE:CB	2	0.4
(1,846)	1:D:155:ILE:CG1	1:D:155:ILE:CB	3	0.4
(1,846)	1:D:76:ILE:CG1	1:D:76:ILE:CB	3	0.4
(1,846)	1:D:155:ILE:CG1	1:D:155:ILE:CB	4	0.4
(1,846)	1:D:76:ILE:CG1	1:D:76:ILE:CB	4	0.4
(1,846)	1:D:155:ILE:CG1	1:D:155:ILE:CB	6	0.4
(1,846)	1:D:76:ILE:CG1	1:D:76:ILE:CB	6	0.4
(1,846)	1:D:155:ILE:CG1	1:D:155:ILE:CB	7	0.4
(1,846)	1:D:76:ILE:CG1	1:D:76:ILE:CB	7	0.4
(1,846)	1:D:155:ILE:CG1	1:D:155:ILE:CB	8	0.4
(1,846)	1:D:76:ILE:CG1	1:D:76:ILE:CB	8	0.4
(1,846)	1:D:155:ILE:CG1	1:D:155:ILE:CB	9	0.4
(1,846)	1:D:76:ILE:CG1	1:D:76:ILE:CB	9	0.4
(1,846)	1:D:155:ILE:CG1	1:D:155:ILE:CB	10	0.4
(1,846)	1:D:76:ILE:CG1	1:D:76:ILE:CB	10	0.4
(1,841)	1:D:83:ARG:CG	1:D:83:ARG:CD	1	0.4
(1,841)	1:D:25:LEU:CG	1:D:25:LEU:CB	1	0.4
(1,841)	1:D:83:ARG:CG	1:D:83:ARG:CD	2	0.4
(1,841)	1:D:25:LEU:CG	1:D:25:LEU:CB	2	0.4
(1,841)	1:D:83:ARG:CG	1:D:83:ARG:CD	3	0.4
(1,841)	1:D:25:LEU:CG	1:D:25:LEU:CB	3	0.4
(1,841)	1:D:83:ARG:CG	1:D:83:ARG:CD	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	1:D:25:LEU:CG	1:D:25:LEU:CB	4	0.4
(1,841)	1:D:83:ARG:CG	1:D:83:ARG:CD	5	0.4
(1,841)	1:D:25:LEU:CG	1:D:25:LEU:CB	5	0.4
(1,841)	1:D:83:ARG:CG	1:D:83:ARG:CD	6	0.4
(1,841)	1:D:25:LEU:CG	1:D:25:LEU:CB	6	0.4
(1,841)	1:D:83:ARG:CG	1:D:83:ARG:CD	7	0.4
(1,841)	1:D:25:LEU:CG	1:D:25:LEU:CB	7	0.4
(1,841)	1:D:83:ARG:CG	1:D:83:ARG:CD	8	0.4
(1,841)	1:D:25:LEU:CG	1:D:25:LEU:CB	8	0.4
(1,841)	1:D:83:ARG:CG	1:D:83:ARG:CD	9	0.4
(1,841)	1:D:25:LEU:CG	1:D:25:LEU:CB	9	0.4
(1,841)	1:D:83:ARG:CG	1:D:83:ARG:CD	10	0.4
(1,841)	1:D:25:LEU:CG	1:D:25:LEU:CB	10	0.4
(1,646)	1:A:60:ILE:CD1	1:A:60:ILE:CG1	1	0.4
(1,646)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	1	0.4
(1,646)	1:A:60:ILE:CD1	1:A:60:ILE:CG1	2	0.4
(1,646)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	2	0.4
(1,646)	1:A:60:ILE:CD1	1:A:60:ILE:CG1	3	0.4
(1,646)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	3	0.4
(1,646)	1:A:60:ILE:CD1	1:A:60:ILE:CG1	4	0.4
(1,646)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	4	0.4
(1,646)	1:A:60:ILE:CD1	1:A:60:ILE:CG1	5	0.4
(1,646)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	5	0.4
(1,646)	1:A:60:ILE:CD1	1:A:60:ILE:CG1	6	0.4
(1,646)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	6	0.4
(1,646)	1:A:60:ILE:CD1	1:A:60:ILE:CG1	7	0.4
(1,646)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	7	0.4
(1,646)	1:A:60:ILE:CD1	1:A:60:ILE:CG1	8	0.4
(1,646)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	8	0.4
(1,646)	1:A:60:ILE:CD1	1:A:60:ILE:CG1	9	0.4
(1,646)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	9	0.4
(1,646)	1:A:60:ILE:CD1	1:A:60:ILE:CG1	10	0.4
(1,646)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	10	0.4
(1,179)	1:A:155:ILE:CG1	1:A:155:ILE:CB	1	0.4
(1,179)	1:A:76:ILE:CG1	1:A:76:ILE:CB	1	0.4
(1,179)	1:A:155:ILE:CG1	1:A:155:ILE:CB	3	0.4
(1,179)	1:A:76:ILE:CG1	1:A:76:ILE:CB	3	0.4
(1,179)	1:A:155:ILE:CG1	1:A:155:ILE:CB	5	0.4
(1,179)	1:A:76:ILE:CG1	1:A:76:ILE:CB	5	0.4
(1,179)	1:A:155:ILE:CG1	1:A:155:ILE:CB	8	0.4
(1,179)	1:A:76:ILE:CG1	1:A:76:ILE:CB	8	0.4
(1,179)	1:A:155:ILE:CG1	1:A:155:ILE:CB	9	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,179)	1:A:76:ILE:CG1	1:A:76:ILE:CB	9	0.4
(1,179)	1:A:155:ILE:CG1	1:A:155:ILE:CB	10	0.4
(1,179)	1:A:76:ILE:CG1	1:A:76:ILE:CB	10	0.4
(1,174)	1:A:83:ARG:CG	1:A:83:ARG:CD	1	0.4
(1,174)	1:A:25:LEU:CG	1:A:25:LEU:CB	1	0.4
(1,174)	1:A:83:ARG:CG	1:A:83:ARG:CD	2	0.4
(1,174)	1:A:25:LEU:CG	1:A:25:LEU:CB	2	0.4
(1,174)	1:A:83:ARG:CG	1:A:83:ARG:CD	4	0.4
(1,174)	1:A:25:LEU:CG	1:A:25:LEU:CB	4	0.4
(1,174)	1:A:83:ARG:CG	1:A:83:ARG:CD	5	0.4
(1,174)	1:A:25:LEU:CG	1:A:25:LEU:CB	5	0.4
(1,174)	1:A:83:ARG:CG	1:A:83:ARG:CD	6	0.4
(1,174)	1:A:25:LEU:CG	1:A:25:LEU:CB	6	0.4
(1,174)	1:A:83:ARG:CG	1:A:83:ARG:CD	7	0.4
(1,174)	1:A:25:LEU:CG	1:A:25:LEU:CB	7	0.4
(1,174)	1:A:83:ARG:CG	1:A:83:ARG:CD	8	0.4
(1,174)	1:A:25:LEU:CG	1:A:25:LEU:CB	8	0.4
(1,174)	1:A:83:ARG:CG	1:A:83:ARG:CD	9	0.4
(1,174)	1:A:25:LEU:CG	1:A:25:LEU:CB	9	0.4
(1,174)	1:A:83:ARG:CG	1:A:83:ARG:CD	10	0.4
(1,174)	1:A:25:LEU:CG	1:A:25:LEU:CB	10	0.4
(1,171)	1:A:70:ARG:CG	1:A:70:ARG:CD	3	0.4
(1,171)	1:A:78:LEU:CG	1:A:78:LEU:CB	3	0.4
(1,171)	1:A:70:ARG:CG	1:A:70:ARG:CD	4	0.4
(1,171)	1:A:78:LEU:CG	1:A:78:LEU:CB	4	0.4
(1,171)	1:A:70:ARG:CG	1:A:70:ARG:CD	7	0.4
(1,171)	1:A:78:LEU:CG	1:A:78:LEU:CB	7	0.4
(1,171)	1:A:70:ARG:CG	1:A:70:ARG:CD	9	0.4
(1,171)	1:A:78:LEU:CG	1:A:78:LEU:CB	9	0.4
(1,1313)	1:D:60:ILE:CD1	1:D:60:ILE:CG1	1	0.4
(1,1313)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	1	0.4
(1,1313)	1:D:60:ILE:CD1	1:D:60:ILE:CG1	2	0.4
(1,1313)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	2	0.4
(1,1313)	1:D:60:ILE:CD1	1:D:60:ILE:CG1	3	0.4
(1,1313)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	3	0.4
(1,1313)	1:D:60:ILE:CD1	1:D:60:ILE:CG1	4	0.4
(1,1313)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	4	0.4
(1,1313)	1:D:60:ILE:CD1	1:D:60:ILE:CG1	5	0.4
(1,1313)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	5	0.4
(1,1313)	1:D:60:ILE:CD1	1:D:60:ILE:CG1	6	0.4
(1,1313)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	6	0.4
(1,1313)	1:D:60:ILE:CD1	1:D:60:ILE:CG1	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1313)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	7	0.4
(1,1313)	1:D:60:ILE:CD1	1:D:60:ILE:CG1	8	0.4
(1,1313)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	8	0.4
(1,1313)	1:D:60:ILE:CD1	1:D:60:ILE:CG1	9	0.4
(1,1313)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	9	0.4
(1,1313)	1:D:60:ILE:CD1	1:D:60:ILE:CG1	10	0.4
(1,1313)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	10	0.4
(1,846)	1:D:155:ILE:CG1	1:D:155:ILE:CB	5	0.39
(1,846)	1:D:76:ILE:CG1	1:D:76:ILE:CB	5	0.39
(1,174)	1:A:83:ARG:CG	1:A:83:ARG:CD	3	0.39
(1,174)	1:A:25:LEU:CG	1:A:25:LEU:CB	3	0.39
(1,171)	1:A:70:ARG:CG	1:A:70:ARG:CD	1	0.39
(1,171)	1:A:78:LEU:CG	1:A:78:LEU:CB	1	0.39
(1,171)	1:A:70:ARG:CG	1:A:70:ARG:CD	2	0.39
(1,171)	1:A:78:LEU:CG	1:A:78:LEU:CB	2	0.39
(1,171)	1:A:70:ARG:CG	1:A:70:ARG:CD	5	0.39
(1,171)	1:A:78:LEU:CG	1:A:78:LEU:CB	5	0.39
(1,171)	1:A:70:ARG:CG	1:A:70:ARG:CD	6	0.39
(1,171)	1:A:78:LEU:CG	1:A:78:LEU:CB	6	0.39
(1,171)	1:A:70:ARG:CG	1:A:70:ARG:CD	8	0.39
(1,171)	1:A:78:LEU:CG	1:A:78:LEU:CB	8	0.39
(1,171)	1:A:70:ARG:CG	1:A:70:ARG:CD	10	0.39
(1,171)	1:A:78:LEU:CG	1:A:78:LEU:CB	10	0.39
(1,92)	1:A:125:VAL:CB	1:A:125:VAL:CA	1	0.37
(1,92)	1:A:123:VAL:CB	1:A:123:VAL:CA	1	0.37
(1,92)	1:A:125:VAL:CB	1:A:125:VAL:CA	2	0.37
(1,92)	1:A:123:VAL:CB	1:A:123:VAL:CA	2	0.37
(1,92)	1:A:125:VAL:CB	1:A:125:VAL:CA	3	0.37
(1,92)	1:A:123:VAL:CB	1:A:123:VAL:CA	3	0.37
(1,92)	1:A:125:VAL:CB	1:A:125:VAL:CA	4	0.37
(1,92)	1:A:123:VAL:CB	1:A:123:VAL:CA	4	0.37
(1,92)	1:A:125:VAL:CB	1:A:125:VAL:CA	5	0.37
(1,92)	1:A:123:VAL:CB	1:A:123:VAL:CA	5	0.37
(1,92)	1:A:125:VAL:CB	1:A:125:VAL:CA	6	0.37
(1,92)	1:A:123:VAL:CB	1:A:123:VAL:CA	6	0.37
(1,92)	1:A:125:VAL:CB	1:A:125:VAL:CA	7	0.37
(1,92)	1:A:123:VAL:CB	1:A:123:VAL:CA	7	0.37
(1,92)	1:A:125:VAL:CB	1:A:125:VAL:CA	8	0.37
(1,92)	1:A:123:VAL:CB	1:A:123:VAL:CA	8	0.37
(1,92)	1:A:125:VAL:CB	1:A:125:VAL:CA	9	0.37
(1,92)	1:A:123:VAL:CB	1:A:123:VAL:CA	9	0.37
(1,92)	1:A:125:VAL:CB	1:A:125:VAL:CA	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,92)	1:A:123:VAL:CB	1:A:123:VAL:CA	10	0.37
(1,759)	1:D:125:VAL:CB	1:D:125:VAL:CA	1	0.37
(1,759)	1:D:123:VAL:CB	1:D:123:VAL:CA	1	0.37
(1,759)	1:D:125:VAL:CB	1:D:125:VAL:CA	2	0.37
(1,759)	1:D:123:VAL:CB	1:D:123:VAL:CA	2	0.37
(1,759)	1:D:125:VAL:CB	1:D:125:VAL:CA	3	0.37
(1,759)	1:D:123:VAL:CB	1:D:123:VAL:CA	3	0.37
(1,759)	1:D:125:VAL:CB	1:D:125:VAL:CA	4	0.37
(1,759)	1:D:123:VAL:CB	1:D:123:VAL:CA	4	0.37
(1,759)	1:D:125:VAL:CB	1:D:125:VAL:CA	5	0.37
(1,759)	1:D:123:VAL:CB	1:D:123:VAL:CA	5	0.37
(1,759)	1:D:125:VAL:CB	1:D:125:VAL:CA	6	0.37
(1,759)	1:D:123:VAL:CB	1:D:123:VAL:CA	6	0.37
(1,759)	1:D:125:VAL:CB	1:D:125:VAL:CA	7	0.37
(1,759)	1:D:123:VAL:CB	1:D:123:VAL:CA	7	0.37
(1,759)	1:D:125:VAL:CB	1:D:125:VAL:CA	8	0.37
(1,759)	1:D:123:VAL:CB	1:D:123:VAL:CA	8	0.37
(1,759)	1:D:125:VAL:CB	1:D:125:VAL:CA	9	0.37
(1,759)	1:D:123:VAL:CB	1:D:123:VAL:CA	9	0.37
(1,759)	1:D:125:VAL:CB	1:D:125:VAL:CA	10	0.37
(1,759)	1:D:123:VAL:CB	1:D:123:VAL:CA	10	0.37
(1,588)	1:A:21:THR:CA	1:A:20:PHE:C	2	0.37
(1,588)	1:A:149:ILE:CA	1:A:151:ILE:C	2	0.37
(1,588)	1:A:76:ILE:CA	1:A:74:MET:C	2	0.37
(1,588)	1:A:76:ILE:CA	1:A:77:TRP:C	2	0.37
(1,588)	1:A:151:ILE:CA	1:A:151:ILE:C	2	0.37
(1,588)	1:A:155:ILE:CA	1:A:151:ILE:C	2	0.37
(1,588)	1:A:155:ILE:CA	1:A:155:ILE:C	2	0.37
(1,588)	1:A:21:THR:CA	1:A:20:PHE:C	4	0.37
(1,588)	1:A:149:ILE:CA	1:A:151:ILE:C	4	0.37
(1,588)	1:A:76:ILE:CA	1:A:74:MET:C	4	0.37
(1,588)	1:A:76:ILE:CA	1:A:77:TRP:C	4	0.37
(1,588)	1:A:151:ILE:CA	1:A:151:ILE:C	4	0.37
(1,588)	1:A:155:ILE:CA	1:A:151:ILE:C	4	0.37
(1,588)	1:A:155:ILE:CA	1:A:155:ILE:C	4	0.37
(1,588)	1:A:21:THR:CA	1:A:20:PHE:C	5	0.37
(1,588)	1:A:149:ILE:CA	1:A:151:ILE:C	5	0.37
(1,588)	1:A:76:ILE:CA	1:A:74:MET:C	5	0.37
(1,588)	1:A:76:ILE:CA	1:A:77:TRP:C	5	0.37
(1,588)	1:A:151:ILE:CA	1:A:151:ILE:C	5	0.37
(1,588)	1:A:155:ILE:CA	1:A:151:ILE:C	5	0.37
(1,588)	1:A:155:ILE:CA	1:A:155:ILE:C	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,588)	1:A:21:THR:CA	1:A:20:PHE:C	6	0.37
(1,588)	1:A:149:ILE:CA	1:A:151:ILE:C	6	0.37
(1,588)	1:A:76:ILE:CA	1:A:74:MET:C	6	0.37
(1,588)	1:A:76:ILE:CA	1:A:77:TRP:C	6	0.37
(1,588)	1:A:151:ILE:CA	1:A:151:ILE:C	6	0.37
(1,588)	1:A:155:ILE:CA	1:A:151:ILE:C	6	0.37
(1,588)	1:A:155:ILE:CA	1:A:155:ILE:C	6	0.37
(1,588)	1:A:21:THR:CA	1:A:20:PHE:C	7	0.37
(1,588)	1:A:149:ILE:CA	1:A:151:ILE:C	7	0.37
(1,588)	1:A:76:ILE:CA	1:A:74:MET:C	7	0.37
(1,588)	1:A:76:ILE:CA	1:A:77:TRP:C	7	0.37
(1,588)	1:A:151:ILE:CA	1:A:151:ILE:C	7	0.37
(1,588)	1:A:155:ILE:CA	1:A:151:ILE:C	7	0.37
(1,588)	1:A:155:ILE:CA	1:A:155:ILE:C	7	0.37
(1,588)	1:A:21:THR:CA	1:A:20:PHE:C	8	0.37
(1,588)	1:A:149:ILE:CA	1:A:151:ILE:C	8	0.37
(1,588)	1:A:76:ILE:CA	1:A:74:MET:C	8	0.37
(1,588)	1:A:76:ILE:CA	1:A:77:TRP:C	8	0.37
(1,588)	1:A:151:ILE:CA	1:A:151:ILE:C	8	0.37
(1,588)	1:A:155:ILE:CA	1:A:151:ILE:C	8	0.37
(1,588)	1:A:155:ILE:CA	1:A:155:ILE:C	8	0.37
(1,588)	1:A:21:THR:CA	1:A:20:PHE:C	9	0.37
(1,588)	1:A:149:ILE:CA	1:A:151:ILE:C	9	0.37
(1,588)	1:A:76:ILE:CA	1:A:74:MET:C	9	0.37
(1,588)	1:A:76:ILE:CA	1:A:77:TRP:C	9	0.37
(1,588)	1:A:151:ILE:CA	1:A:151:ILE:C	9	0.37
(1,588)	1:A:155:ILE:CA	1:A:151:ILE:C	9	0.37
(1,588)	1:A:155:ILE:CA	1:A:155:ILE:C	9	0.37
(1,588)	1:A:21:THR:CA	1:A:20:PHE:C	10	0.37
(1,588)	1:A:149:ILE:CA	1:A:151:ILE:C	10	0.37
(1,588)	1:A:76:ILE:CA	1:A:74:MET:C	10	0.37
(1,588)	1:A:76:ILE:CA	1:A:77:TRP:C	10	0.37
(1,588)	1:A:151:ILE:CA	1:A:151:ILE:C	10	0.37
(1,588)	1:A:155:ILE:CA	1:A:151:ILE:C	10	0.37
(1,588)	1:A:155:ILE:CA	1:A:155:ILE:C	10	0.37
(1,1255)	1:D:21:THR:CA	1:D:20:PHE:C	1	0.37
(1,1255)	1:D:149:ILE:CA	1:D:151:ILE:C	1	0.37
(1,1255)	1:D:76:ILE:CA	1:D:74:MET:C	1	0.37
(1,1255)	1:D:76:ILE:CA	1:D:77:TRP:C	1	0.37
(1,1255)	1:D:151:ILE:CA	1:D:151:ILE:C	1	0.37
(1,1255)	1:D:155:ILE:CA	1:D:151:ILE:C	1	0.37
(1,1255)	1:D:155:ILE:CA	1:D:155:ILE:C	1	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1255)	1:D:21:THR:CA	1:D:20:PHE:C	4	0.37
(1,1255)	1:D:149:ILE:CA	1:D:151:ILE:C	4	0.37
(1,1255)	1:D:76:ILE:CA	1:D:74:MET:C	4	0.37
(1,1255)	1:D:76:ILE:CA	1:D:77:TRP:C	4	0.37
(1,1255)	1:D:151:ILE:CA	1:D:151:ILE:C	4	0.37
(1,1255)	1:D:155:ILE:CA	1:D:151:ILE:C	4	0.37
(1,1255)	1:D:155:ILE:CA	1:D:155:ILE:C	4	0.37
(1,1255)	1:D:21:THR:CA	1:D:20:PHE:C	5	0.37
(1,1255)	1:D:149:ILE:CA	1:D:151:ILE:C	5	0.37
(1,1255)	1:D:76:ILE:CA	1:D:74:MET:C	5	0.37
(1,1255)	1:D:76:ILE:CA	1:D:77:TRP:C	5	0.37
(1,1255)	1:D:151:ILE:CA	1:D:151:ILE:C	5	0.37
(1,1255)	1:D:155:ILE:CA	1:D:151:ILE:C	5	0.37
(1,1255)	1:D:155:ILE:CA	1:D:155:ILE:C	5	0.37
(1,1255)	1:D:21:THR:CA	1:D:20:PHE:C	8	0.37
(1,1255)	1:D:149:ILE:CA	1:D:151:ILE:C	8	0.37
(1,1255)	1:D:76:ILE:CA	1:D:74:MET:C	8	0.37
(1,1255)	1:D:76:ILE:CA	1:D:77:TRP:C	8	0.37
(1,1255)	1:D:151:ILE:CA	1:D:151:ILE:C	8	0.37
(1,1255)	1:D:155:ILE:CA	1:D:151:ILE:C	8	0.37
(1,1255)	1:D:155:ILE:CA	1:D:155:ILE:C	8	0.37
(1,588)	1:A:21:THR:CA	1:A:20:PHE:C	1	0.36
(1,588)	1:A:149:ILE:CA	1:A:151:ILE:C	1	0.36
(1,588)	1:A:76:ILE:CA	1:A:74:MET:C	1	0.36
(1,588)	1:A:76:ILE:CA	1:A:77:TRP:C	1	0.36
(1,588)	1:A:151:ILE:CA	1:A:151:ILE:C	1	0.36
(1,588)	1:A:155:ILE:CA	1:A:151:ILE:C	1	0.36
(1,588)	1:A:155:ILE:CA	1:A:155:ILE:C	1	0.36
(1,588)	1:A:21:THR:CA	1:A:20:PHE:C	3	0.36
(1,588)	1:A:149:ILE:CA	1:A:151:ILE:C	3	0.36
(1,588)	1:A:76:ILE:CA	1:A:74:MET:C	3	0.36
(1,588)	1:A:76:ILE:CA	1:A:77:TRP:C	3	0.36
(1,588)	1:A:151:ILE:CA	1:A:151:ILE:C	3	0.36
(1,588)	1:A:155:ILE:CA	1:A:151:ILE:C	3	0.36
(1,588)	1:A:155:ILE:CA	1:A:155:ILE:C	3	0.36
(1,1255)	1:D:21:THR:CA	1:D:20:PHE:C	2	0.36
(1,1255)	1:D:149:ILE:CA	1:D:151:ILE:C	2	0.36
(1,1255)	1:D:76:ILE:CA	1:D:74:MET:C	2	0.36
(1,1255)	1:D:76:ILE:CA	1:D:77:TRP:C	2	0.36
(1,1255)	1:D:151:ILE:CA	1:D:151:ILE:C	2	0.36
(1,1255)	1:D:155:ILE:CA	1:D:151:ILE:C	2	0.36
(1,1255)	1:D:155:ILE:CA	1:D:155:ILE:C	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1255)	1:D:21:THR:CA	1:D:20:PHE:C	3	0.36
(1,1255)	1:D:149:ILE:CA	1:D:151:ILE:C	3	0.36
(1,1255)	1:D:76:ILE:CA	1:D:74:MET:C	3	0.36
(1,1255)	1:D:76:ILE:CA	1:D:77:TRP:C	3	0.36
(1,1255)	1:D:151:ILE:CA	1:D:151:ILE:C	3	0.36
(1,1255)	1:D:155:ILE:CA	1:D:151:ILE:C	3	0.36
(1,1255)	1:D:155:ILE:CA	1:D:155:ILE:C	3	0.36
(1,1255)	1:D:21:THR:CA	1:D:20:PHE:C	6	0.36
(1,1255)	1:D:149:ILE:CA	1:D:151:ILE:C	6	0.36
(1,1255)	1:D:76:ILE:CA	1:D:74:MET:C	6	0.36
(1,1255)	1:D:76:ILE:CA	1:D:77:TRP:C	6	0.36
(1,1255)	1:D:151:ILE:CA	1:D:151:ILE:C	6	0.36
(1,1255)	1:D:155:ILE:CA	1:D:151:ILE:C	6	0.36
(1,1255)	1:D:155:ILE:CA	1:D:155:ILE:C	6	0.36
(1,1255)	1:D:21:THR:CA	1:D:20:PHE:C	7	0.36
(1,1255)	1:D:149:ILE:CA	1:D:151:ILE:C	7	0.36
(1,1255)	1:D:76:ILE:CA	1:D:74:MET:C	7	0.36
(1,1255)	1:D:76:ILE:CA	1:D:77:TRP:C	7	0.36
(1,1255)	1:D:151:ILE:CA	1:D:151:ILE:C	7	0.36
(1,1255)	1:D:155:ILE:CA	1:D:151:ILE:C	7	0.36
(1,1255)	1:D:155:ILE:CA	1:D:155:ILE:C	7	0.36
(1,1255)	1:D:21:THR:CA	1:D:20:PHE:C	9	0.36
(1,1255)	1:D:149:ILE:CA	1:D:151:ILE:C	9	0.36
(1,1255)	1:D:76:ILE:CA	1:D:74:MET:C	9	0.36
(1,1255)	1:D:76:ILE:CA	1:D:77:TRP:C	9	0.36
(1,1255)	1:D:151:ILE:CA	1:D:151:ILE:C	9	0.36
(1,1255)	1:D:155:ILE:CA	1:D:151:ILE:C	9	0.36
(1,1255)	1:D:155:ILE:CA	1:D:155:ILE:C	9	0.36
(1,1255)	1:D:21:THR:CA	1:D:20:PHE:C	10	0.36
(1,1255)	1:D:149:ILE:CA	1:D:151:ILE:C	10	0.36
(1,1255)	1:D:76:ILE:CA	1:D:74:MET:C	10	0.36
(1,1255)	1:D:76:ILE:CA	1:D:77:TRP:C	10	0.36
(1,1255)	1:D:151:ILE:CA	1:D:151:ILE:C	10	0.36
(1,1255)	1:D:155:ILE:CA	1:D:151:ILE:C	10	0.36
(1,1255)	1:D:155:ILE:CA	1:D:155:ILE:C	10	0.36
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	1	0.35
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	1	0.35
(1,1031)	1:D:75:VAL:CA	1:D:74:MET:C	1	0.35
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	1	0.35
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	1	0.35
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	1	0.35
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	5	0.35
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	5	0.35
(1,1031)	1:D:75:VAL:CA	1:D:74:MET:C	5	0.35
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	5	0.35
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	5	0.35
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	5	0.35
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	5	0.35
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	8	0.35
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	8	0.35
(1,1031)	1:D:75:VAL:CA	1:D:74:MET:C	8	0.35
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	8	0.35
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	8	0.35
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	8	0.35
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	8	0.35
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	9	0.35
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	9	0.35
(1,1031)	1:D:75:VAL:CA	1:D:74:MET:C	9	0.35
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	9	0.35
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	9	0.35
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	9	0.35
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	9	0.35
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	1	0.34
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	1	0.34
(1,364)	1:A:75:VAL:CA	1:A:74:MET:C	1	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	1	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	1	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	1	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	1	0.34
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	2	0.34
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	2	0.34
(1,364)	1:A:75:VAL:CA	1:A:74:MET:C	2	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	2	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	2	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	2	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	2	0.34
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	3	0.34
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	3	0.34
(1,364)	1:A:75:VAL:CA	1:A:74:MET:C	3	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	3	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	3	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	3	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	3	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	4	0.34
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	4	0.34
(1,364)	1:A:75:VAL:CA	1:A:74:MET:C	4	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	4	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	4	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	4	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	4	0.34
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	5	0.34
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	5	0.34
(1,364)	1:A:75:VAL:CA	1:A:74:MET:C	5	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	5	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	5	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	5	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	5	0.34
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	6	0.34
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	6	0.34
(1,364)	1:A:75:VAL:CA	1:A:74:MET:C	6	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	6	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	6	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	6	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	6	0.34
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	7	0.34
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	7	0.34
(1,364)	1:A:75:VAL:CA	1:A:74:MET:C	7	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	7	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	7	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	7	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	7	0.34
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	8	0.34
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	8	0.34
(1,364)	1:A:75:VAL:CA	1:A:74:MET:C	8	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	8	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	8	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	8	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	8	0.34
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	9	0.34
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	9	0.34
(1,364)	1:A:75:VAL:CA	1:A:74:MET:C	9	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	9	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	9	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	9	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	10	0.34
(1,364)	1:A:155:ILE:CA	1:A:155:ILE:C	10	0.34
(1,364)	1:A:75:VAL:CA	1:A:74:MET:C	10	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	10	0.34
(1,364)	1:A:156:VAL:CA	1:A:155:ILE:C	10	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	10	0.34
(1,364)	1:A:158:VAL:CA	1:A:155:ILE:C	10	0.34
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	2	0.34
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	2	0.34
(1,1031)	1:D:75:VAL:CA	1:D:74:MET:C	2	0.34
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	2	0.34
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	2	0.34
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	2	0.34
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	2	0.34
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	3	0.34
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	3	0.34
(1,1031)	1:D:75:VAL:CA	1:D:74:MET:C	3	0.34
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	3	0.34
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	3	0.34
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	3	0.34
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	3	0.34
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	4	0.34
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	4	0.34
(1,1031)	1:D:75:VAL:CA	1:D:74:MET:C	4	0.34
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	4	0.34
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	4	0.34
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	4	0.34
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	4	0.34
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	6	0.34
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	6	0.34
(1,1031)	1:D:75:VAL:CA	1:D:74:MET:C	6	0.34
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	6	0.34
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	6	0.34
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	6	0.34
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	6	0.34
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	7	0.34
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	7	0.34
(1,1031)	1:D:75:VAL:CA	1:D:74:MET:C	7	0.34
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	7	0.34
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	7	0.34
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	7	0.34
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	10	0.34
(1,1031)	1:D:155:ILE:CA	1:D:155:ILE:C	10	0.34
(1,1031)	1:D:75:VAL:CA	1:D:74:MET:C	10	0.34
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	10	0.34
(1,1031)	1:D:156:VAL:CA	1:D:155:ILE:C	10	0.34
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	10	0.34
(1,1031)	1:D:158:VAL:CA	1:D:155:ILE:C	10	0.34
(1,1205)	1:D:68:PRO:CB	1:D:70:ARG:C	3	0.33
(1,1205)	1:D:68:PRO:CB	1:D:70:ARG:C	10	0.32
(1,1205)	1:D:68:PRO:CB	1:D:70:ARG:C	2	0.31
(1,1037)	1:D:76:ILE:CA	1:D:74:MET:C	1	0.31
(1,1037)	1:D:72:VAL:CA	1:D:69:LEU:C	1	0.31
(1,1037)	1:D:72:VAL:CA	1:D:74:MET:C	1	0.31
(1,1037)	1:D:149:ILE:CA	1:D:146:LEU:C	1	0.31
(1,1037)	1:D:149:ILE:CA	1:D:151:ILE:C	1	0.31
(1,1037)	1:D:155:ILE:CA	1:D:151:ILE:C	1	0.31
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	1	0.31
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	1	0.31
(1,1037)	1:D:76:ILE:CA	1:D:74:MET:C	4	0.31
(1,1037)	1:D:72:VAL:CA	1:D:69:LEU:C	4	0.31
(1,1037)	1:D:72:VAL:CA	1:D:74:MET:C	4	0.31
(1,1037)	1:D:149:ILE:CA	1:D:146:LEU:C	4	0.31
(1,1037)	1:D:149:ILE:CA	1:D:151:ILE:C	4	0.31
(1,1037)	1:D:155:ILE:CA	1:D:151:ILE:C	4	0.31
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	4	0.31
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	4	0.31
(1,1037)	1:D:76:ILE:CA	1:D:74:MET:C	5	0.31
(1,1037)	1:D:72:VAL:CA	1:D:69:LEU:C	5	0.31
(1,1037)	1:D:72:VAL:CA	1:D:74:MET:C	5	0.31
(1,1037)	1:D:149:ILE:CA	1:D:146:LEU:C	5	0.31
(1,1037)	1:D:149:ILE:CA	1:D:151:ILE:C	5	0.31
(1,1037)	1:D:155:ILE:CA	1:D:151:ILE:C	5	0.31
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	5	0.31
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	5	0.31
(1,1037)	1:D:76:ILE:CA	1:D:74:MET:C	8	0.31
(1,1037)	1:D:72:VAL:CA	1:D:69:LEU:C	8	0.31
(1,1037)	1:D:72:VAL:CA	1:D:74:MET:C	8	0.31
(1,1037)	1:D:149:ILE:CA	1:D:146:LEU:C	8	0.31
(1,1037)	1:D:149:ILE:CA	1:D:151:ILE:C	8	0.31
(1,1037)	1:D:155:ILE:CA	1:D:151:ILE:C	8	0.31
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	8	0.31
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1037)	1:D:76:ILE:CA	1:D:74:MET:C	9	0.31
(1,1037)	1:D:72:VAL:CA	1:D:69:LEU:C	9	0.31
(1,1037)	1:D:72:VAL:CA	1:D:74:MET:C	9	0.31
(1,1037)	1:D:149:ILE:CA	1:D:146:LEU:C	9	0.31
(1,1037)	1:D:149:ILE:CA	1:D:151:ILE:C	9	0.31
(1,1037)	1:D:155:ILE:CA	1:D:151:ILE:C	9	0.31
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	9	0.31
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	9	0.31
(1,370)	1:A:76:ILE:CA	1:A:74:MET:C	1	0.3
(1,370)	1:A:72:VAL:CA	1:A:69:LEU:C	1	0.3
(1,370)	1:A:72:VAL:CA	1:A:74:MET:C	1	0.3
(1,370)	1:A:149:ILE:CA	1:A:146:LEU:C	1	0.3
(1,370)	1:A:149:ILE:CA	1:A:151:ILE:C	1	0.3
(1,370)	1:A:155:ILE:CA	1:A:151:ILE:C	1	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	1	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	1	0.3
(1,370)	1:A:76:ILE:CA	1:A:74:MET:C	2	0.3
(1,370)	1:A:72:VAL:CA	1:A:69:LEU:C	2	0.3
(1,370)	1:A:72:VAL:CA	1:A:74:MET:C	2	0.3
(1,370)	1:A:149:ILE:CA	1:A:146:LEU:C	2	0.3
(1,370)	1:A:149:ILE:CA	1:A:151:ILE:C	2	0.3
(1,370)	1:A:155:ILE:CA	1:A:151:ILE:C	2	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	2	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	2	0.3
(1,370)	1:A:76:ILE:CA	1:A:74:MET:C	3	0.3
(1,370)	1:A:72:VAL:CA	1:A:69:LEU:C	3	0.3
(1,370)	1:A:72:VAL:CA	1:A:74:MET:C	3	0.3
(1,370)	1:A:149:ILE:CA	1:A:146:LEU:C	3	0.3
(1,370)	1:A:149:ILE:CA	1:A:151:ILE:C	3	0.3
(1,370)	1:A:155:ILE:CA	1:A:151:ILE:C	3	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	3	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	3	0.3
(1,370)	1:A:76:ILE:CA	1:A:74:MET:C	4	0.3
(1,370)	1:A:72:VAL:CA	1:A:69:LEU:C	4	0.3
(1,370)	1:A:72:VAL:CA	1:A:74:MET:C	4	0.3
(1,370)	1:A:149:ILE:CA	1:A:146:LEU:C	4	0.3
(1,370)	1:A:149:ILE:CA	1:A:151:ILE:C	4	0.3
(1,370)	1:A:155:ILE:CA	1:A:151:ILE:C	4	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	4	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	4	0.3
(1,370)	1:A:76:ILE:CA	1:A:74:MET:C	5	0.3
(1,370)	1:A:72:VAL:CA	1:A:69:LEU:C	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,370)	1:A:72:VAL:CA	1:A:74:MET:C	5	0.3
(1,370)	1:A:149:ILE:CA	1:A:146:LEU:C	5	0.3
(1,370)	1:A:149:ILE:CA	1:A:151:ILE:C	5	0.3
(1,370)	1:A:155:ILE:CA	1:A:151:ILE:C	5	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	5	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	5	0.3
(1,370)	1:A:76:ILE:CA	1:A:74:MET:C	6	0.3
(1,370)	1:A:72:VAL:CA	1:A:69:LEU:C	6	0.3
(1,370)	1:A:72:VAL:CA	1:A:74:MET:C	6	0.3
(1,370)	1:A:149:ILE:CA	1:A:146:LEU:C	6	0.3
(1,370)	1:A:149:ILE:CA	1:A:151:ILE:C	6	0.3
(1,370)	1:A:155:ILE:CA	1:A:151:ILE:C	6	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	6	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	6	0.3
(1,370)	1:A:76:ILE:CA	1:A:74:MET:C	7	0.3
(1,370)	1:A:72:VAL:CA	1:A:69:LEU:C	7	0.3
(1,370)	1:A:72:VAL:CA	1:A:74:MET:C	7	0.3
(1,370)	1:A:149:ILE:CA	1:A:146:LEU:C	7	0.3
(1,370)	1:A:149:ILE:CA	1:A:151:ILE:C	7	0.3
(1,370)	1:A:155:ILE:CA	1:A:151:ILE:C	7	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	7	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	7	0.3
(1,370)	1:A:76:ILE:CA	1:A:74:MET:C	8	0.3
(1,370)	1:A:72:VAL:CA	1:A:69:LEU:C	8	0.3
(1,370)	1:A:72:VAL:CA	1:A:74:MET:C	8	0.3
(1,370)	1:A:149:ILE:CA	1:A:146:LEU:C	8	0.3
(1,370)	1:A:149:ILE:CA	1:A:151:ILE:C	8	0.3
(1,370)	1:A:155:ILE:CA	1:A:151:ILE:C	8	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	8	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	8	0.3
(1,370)	1:A:76:ILE:CA	1:A:74:MET:C	9	0.3
(1,370)	1:A:72:VAL:CA	1:A:69:LEU:C	9	0.3
(1,370)	1:A:72:VAL:CA	1:A:74:MET:C	9	0.3
(1,370)	1:A:149:ILE:CA	1:A:146:LEU:C	9	0.3
(1,370)	1:A:149:ILE:CA	1:A:151:ILE:C	9	0.3
(1,370)	1:A:155:ILE:CA	1:A:151:ILE:C	9	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	9	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	9	0.3
(1,370)	1:A:76:ILE:CA	1:A:74:MET:C	10	0.3
(1,370)	1:A:72:VAL:CA	1:A:69:LEU:C	10	0.3
(1,370)	1:A:72:VAL:CA	1:A:74:MET:C	10	0.3
(1,370)	1:A:149:ILE:CA	1:A:146:LEU:C	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,370)	1:A:149:ILE:CA	1:A:151:ILE:C	10	0.3
(1,370)	1:A:155:ILE:CA	1:A:151:ILE:C	10	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	10	0.3
(1,370)	1:A:155:ILE:CA	1:A:155:ILE:C	10	0.3
(1,1037)	1:D:76:ILE:CA	1:D:74:MET:C	2	0.3
(1,1037)	1:D:72:VAL:CA	1:D:69:LEU:C	2	0.3
(1,1037)	1:D:72:VAL:CA	1:D:74:MET:C	2	0.3
(1,1037)	1:D:149:ILE:CA	1:D:146:LEU:C	2	0.3
(1,1037)	1:D:149:ILE:CA	1:D:151:ILE:C	2	0.3
(1,1037)	1:D:155:ILE:CA	1:D:151:ILE:C	2	0.3
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	2	0.3
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	2	0.3
(1,1037)	1:D:76:ILE:CA	1:D:74:MET:C	3	0.3
(1,1037)	1:D:72:VAL:CA	1:D:69:LEU:C	3	0.3
(1,1037)	1:D:72:VAL:CA	1:D:74:MET:C	3	0.3
(1,1037)	1:D:149:ILE:CA	1:D:146:LEU:C	3	0.3
(1,1037)	1:D:149:ILE:CA	1:D:151:ILE:C	3	0.3
(1,1037)	1:D:155:ILE:CA	1:D:151:ILE:C	3	0.3
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	3	0.3
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	3	0.3
(1,1037)	1:D:76:ILE:CA	1:D:74:MET:C	6	0.3
(1,1037)	1:D:72:VAL:CA	1:D:69:LEU:C	6	0.3
(1,1037)	1:D:72:VAL:CA	1:D:74:MET:C	6	0.3
(1,1037)	1:D:149:ILE:CA	1:D:146:LEU:C	6	0.3
(1,1037)	1:D:149:ILE:CA	1:D:151:ILE:C	6	0.3
(1,1037)	1:D:155:ILE:CA	1:D:151:ILE:C	6	0.3
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	6	0.3
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	6	0.3
(1,1037)	1:D:76:ILE:CA	1:D:74:MET:C	7	0.3
(1,1037)	1:D:72:VAL:CA	1:D:69:LEU:C	7	0.3
(1,1037)	1:D:72:VAL:CA	1:D:74:MET:C	7	0.3
(1,1037)	1:D:149:ILE:CA	1:D:146:LEU:C	7	0.3
(1,1037)	1:D:149:ILE:CA	1:D:151:ILE:C	7	0.3
(1,1037)	1:D:155:ILE:CA	1:D:151:ILE:C	7	0.3
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	7	0.3
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	7	0.3
(1,1037)	1:D:76:ILE:CA	1:D:74:MET:C	10	0.3
(1,1037)	1:D:72:VAL:CA	1:D:69:LEU:C	10	0.3
(1,1037)	1:D:72:VAL:CA	1:D:74:MET:C	10	0.3
(1,1037)	1:D:149:ILE:CA	1:D:146:LEU:C	10	0.3
(1,1037)	1:D:149:ILE:CA	1:D:151:ILE:C	10	0.3
(1,1037)	1:D:155:ILE:CA	1:D:151:ILE:C	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	10	0.3
(1,1037)	1:D:155:ILE:CA	1:D:155:ILE:C	10	0.3
(1,969)	1:D:45:ILE:CA	1:D:43:LEU:C	1	0.28
(1,969)	1:D:52:PHE:CA	1:D:51:LEU:C	1	0.28
(1,969)	1:D:93:MET:CA	1:D:93:MET:C	1	0.28
(1,969)	1:D:123:VAL:CA	1:D:121:PRO:C	1	0.28
(1,969)	1:D:79:TYR:CA	1:D:78:LEU:C	1	0.28
(1,969)	1:D:45:ILE:CA	1:D:43:LEU:C	2	0.28
(1,969)	1:D:52:PHE:CA	1:D:51:LEU:C	2	0.28
(1,969)	1:D:93:MET:CA	1:D:93:MET:C	2	0.28
(1,969)	1:D:123:VAL:CA	1:D:121:PRO:C	2	0.28
(1,969)	1:D:79:TYR:CA	1:D:78:LEU:C	2	0.28
(1,969)	1:D:45:ILE:CA	1:D:43:LEU:C	6	0.28
(1,969)	1:D:52:PHE:CA	1:D:51:LEU:C	6	0.28
(1,969)	1:D:93:MET:CA	1:D:93:MET:C	6	0.28
(1,969)	1:D:123:VAL:CA	1:D:121:PRO:C	6	0.28
(1,969)	1:D:79:TYR:CA	1:D:78:LEU:C	6	0.28
(1,969)	1:D:45:ILE:CA	1:D:43:LEU:C	7	0.28
(1,969)	1:D:52:PHE:CA	1:D:51:LEU:C	7	0.28
(1,969)	1:D:93:MET:CA	1:D:93:MET:C	7	0.28
(1,969)	1:D:123:VAL:CA	1:D:121:PRO:C	7	0.28
(1,969)	1:D:79:TYR:CA	1:D:78:LEU:C	7	0.28
(1,969)	1:D:45:ILE:CA	1:D:43:LEU:C	8	0.28
(1,969)	1:D:52:PHE:CA	1:D:51:LEU:C	8	0.28
(1,969)	1:D:93:MET:CA	1:D:93:MET:C	8	0.28
(1,969)	1:D:123:VAL:CA	1:D:121:PRO:C	8	0.28
(1,969)	1:D:79:TYR:CA	1:D:78:LEU:C	8	0.28
(1,969)	1:D:45:ILE:CA	1:D:43:LEU:C	9	0.28
(1,969)	1:D:52:PHE:CA	1:D:51:LEU:C	9	0.28
(1,969)	1:D:93:MET:CA	1:D:93:MET:C	9	0.28
(1,969)	1:D:123:VAL:CA	1:D:121:PRO:C	9	0.28
(1,969)	1:D:79:TYR:CA	1:D:78:LEU:C	9	0.28
(1,969)	1:D:45:ILE:CA	1:D:43:LEU:C	10	0.28
(1,969)	1:D:52:PHE:CA	1:D:51:LEU:C	10	0.28
(1,969)	1:D:93:MET:CA	1:D:93:MET:C	10	0.28
(1,969)	1:D:123:VAL:CA	1:D:121:PRO:C	10	0.28
(1,969)	1:D:79:TYR:CA	1:D:78:LEU:C	10	0.28
(1,671)	1:D:68:PRO:CA	1:D:65:PRO:CA	7	0.28
(1,302)	1:A:45:ILE:CA	1:A:43:LEU:C	3	0.28
(1,302)	1:A:52:PHE:CA	1:A:51:LEU:C	3	0.28
(1,302)	1:A:93:MET:CA	1:A:93:MET:C	3	0.28
(1,302)	1:A:123:VAL:CA	1:A:121:PRO:C	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:A:79:TYR:CA	1:A:78:LEU:C	3	0.28
(1,302)	1:A:45:ILE:CA	1:A:43:LEU:C	9	0.28
(1,302)	1:A:52:PHE:CA	1:A:51:LEU:C	9	0.28
(1,302)	1:A:93:MET:CA	1:A:93:MET:C	9	0.28
(1,302)	1:A:123:VAL:CA	1:A:121:PRO:C	9	0.28
(1,302)	1:A:79:TYR:CA	1:A:78:LEU:C	9	0.28
(1,969)	1:D:45:ILE:CA	1:D:43:LEU:C	3	0.27
(1,969)	1:D:52:PHE:CA	1:D:51:LEU:C	3	0.27
(1,969)	1:D:93:MET:CA	1:D:93:MET:C	3	0.27
(1,969)	1:D:123:VAL:CA	1:D:121:PRO:C	3	0.27
(1,969)	1:D:79:TYR:CA	1:D:78:LEU:C	3	0.27
(1,969)	1:D:45:ILE:CA	1:D:43:LEU:C	4	0.27
(1,969)	1:D:52:PHE:CA	1:D:51:LEU:C	4	0.27
(1,969)	1:D:93:MET:CA	1:D:93:MET:C	4	0.27
(1,969)	1:D:123:VAL:CA	1:D:121:PRO:C	4	0.27
(1,969)	1:D:79:TYR:CA	1:D:78:LEU:C	4	0.27
(1,969)	1:D:45:ILE:CA	1:D:43:LEU:C	5	0.27
(1,969)	1:D:52:PHE:CA	1:D:51:LEU:C	5	0.27
(1,969)	1:D:93:MET:CA	1:D:93:MET:C	5	0.27
(1,969)	1:D:123:VAL:CA	1:D:121:PRO:C	5	0.27
(1,969)	1:D:79:TYR:CA	1:D:78:LEU:C	5	0.27
(1,538)	1:A:68:PRO:CB	1:A:70:ARG:C	10	0.27
(1,302)	1:A:45:ILE:CA	1:A:43:LEU:C	1	0.27
(1,302)	1:A:52:PHE:CA	1:A:51:LEU:C	1	0.27
(1,302)	1:A:93:MET:CA	1:A:93:MET:C	1	0.27
(1,302)	1:A:123:VAL:CA	1:A:121:PRO:C	1	0.27
(1,302)	1:A:79:TYR:CA	1:A:78:LEU:C	1	0.27
(1,302)	1:A:45:ILE:CA	1:A:43:LEU:C	2	0.27
(1,302)	1:A:52:PHE:CA	1:A:51:LEU:C	2	0.27
(1,302)	1:A:93:MET:CA	1:A:93:MET:C	2	0.27
(1,302)	1:A:123:VAL:CA	1:A:121:PRO:C	2	0.27
(1,302)	1:A:79:TYR:CA	1:A:78:LEU:C	2	0.27
(1,302)	1:A:45:ILE:CA	1:A:43:LEU:C	4	0.27
(1,302)	1:A:52:PHE:CA	1:A:51:LEU:C	4	0.27
(1,302)	1:A:93:MET:CA	1:A:93:MET:C	4	0.27
(1,302)	1:A:123:VAL:CA	1:A:121:PRO:C	4	0.27
(1,302)	1:A:79:TYR:CA	1:A:78:LEU:C	4	0.27
(1,302)	1:A:45:ILE:CA	1:A:43:LEU:C	5	0.27
(1,302)	1:A:52:PHE:CA	1:A:51:LEU:C	5	0.27
(1,302)	1:A:93:MET:CA	1:A:93:MET:C	5	0.27
(1,302)	1:A:123:VAL:CA	1:A:121:PRO:C	5	0.27
(1,302)	1:A:79:TYR:CA	1:A:78:LEU:C	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:A:45:ILE:CA	1:A:43:LEU:C	6	0.27
(1,302)	1:A:52:PHE:CA	1:A:51:LEU:C	6	0.27
(1,302)	1:A:93:MET:CA	1:A:93:MET:C	6	0.27
(1,302)	1:A:123:VAL:CA	1:A:121:PRO:C	6	0.27
(1,302)	1:A:79:TYR:CA	1:A:78:LEU:C	6	0.27
(1,302)	1:A:45:ILE:CA	1:A:43:LEU:C	7	0.27
(1,302)	1:A:52:PHE:CA	1:A:51:LEU:C	7	0.27
(1,302)	1:A:93:MET:CA	1:A:93:MET:C	7	0.27
(1,302)	1:A:123:VAL:CA	1:A:121:PRO:C	7	0.27
(1,302)	1:A:79:TYR:CA	1:A:78:LEU:C	7	0.27
(1,302)	1:A:45:ILE:CA	1:A:43:LEU:C	8	0.27
(1,302)	1:A:52:PHE:CA	1:A:51:LEU:C	8	0.27
(1,302)	1:A:93:MET:CA	1:A:93:MET:C	8	0.27
(1,302)	1:A:123:VAL:CA	1:A:121:PRO:C	8	0.27
(1,302)	1:A:79:TYR:CA	1:A:78:LEU:C	8	0.27
(1,302)	1:A:45:ILE:CA	1:A:43:LEU:C	10	0.27
(1,302)	1:A:52:PHE:CA	1:A:51:LEU:C	10	0.27
(1,302)	1:A:93:MET:CA	1:A:93:MET:C	10	0.27
(1,302)	1:A:123:VAL:CA	1:A:121:PRO:C	10	0.27
(1,302)	1:A:79:TYR:CA	1:A:78:LEU:C	10	0.27
(1,146)	1:A:25:LEU:CG	1:A:26:GLU:CA	3	0.27
(1,146)	1:A:26:GLU:CB	1:A:26:GLU:CA	3	0.27
(1,146)	1:A:27:LEU:CG	1:A:26:GLU:CA	3	0.27
(1,146)	1:A:25:LEU:CG	1:A:26:GLU:CA	4	0.27
(1,146)	1:A:26:GLU:CB	1:A:26:GLU:CA	4	0.27
(1,146)	1:A:27:LEU:CG	1:A:26:GLU:CA	4	0.27
(1,146)	1:A:25:LEU:CG	1:A:26:GLU:CA	10	0.27
(1,146)	1:A:26:GLU:CB	1:A:26:GLU:CA	10	0.27
(1,146)	1:A:27:LEU:CG	1:A:26:GLU:CA	10	0.27
(1,1205)	1:D:68:PRO:CB	1:D:70:ARG:C	9	0.27
(1,767)	1:D:68:PRO:CB	1:D:68:PRO:CA	9	0.26
(1,743)	1:D:68:PRO:CB	1:D:68:PRO:CA	9	0.26
(1,146)	1:A:25:LEU:CG	1:A:26:GLU:CA	2	0.26
(1,146)	1:A:26:GLU:CB	1:A:26:GLU:CA	2	0.26
(1,146)	1:A:27:LEU:CG	1:A:26:GLU:CA	2	0.26
(1,146)	1:A:25:LEU:CG	1:A:26:GLU:CA	7	0.26
(1,146)	1:A:26:GLU:CB	1:A:26:GLU:CA	7	0.26
(1,146)	1:A:27:LEU:CG	1:A:26:GLU:CA	7	0.26
(1,146)	1:A:25:LEU:CG	1:A:26:GLU:CA	8	0.26
(1,146)	1:A:26:GLU:CB	1:A:26:GLU:CA	8	0.26
(1,146)	1:A:27:LEU:CG	1:A:26:GLU:CA	8	0.26
(1,81)	1:A:76:ILE:CG1	1:A:76:ILE:CA	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:A:72:VAL:CB	1:A:72:VAL:CA	1	0.25
(1,81)	1:A:75:VAL:CB	1:A:76:ILE:CA	1	0.25
(1,782)	1:D:48:ARG:CB	1:D:48:ARG:CA	9	0.25
(1,767)	1:D:68:PRO:CB	1:D:68:PRO:CA	10	0.25
(1,743)	1:D:68:PRO:CB	1:D:68:PRO:CA	10	0.25
(1,605)	1:A:26:GLU:CA	1:A:22:ALA:C	3	0.25
(1,605)	1:A:26:GLU:CA	1:A:26:GLU:C	3	0.25
(1,605)	1:A:26:GLU:CA	1:A:29:ALA:C	3	0.25
(1,605)	1:A:47:GLU:CA	1:A:45:ILE:C	3	0.25
(1,605)	1:A:47:GLU:CA	1:A:50:ALA:C	3	0.25
(1,605)	1:A:26:GLU:CA	1:A:22:ALA:C	4	0.25
(1,605)	1:A:26:GLU:CA	1:A:26:GLU:C	4	0.25
(1,605)	1:A:26:GLU:CA	1:A:29:ALA:C	4	0.25
(1,605)	1:A:47:GLU:CA	1:A:45:ILE:C	4	0.25
(1,605)	1:A:47:GLU:CA	1:A:50:ALA:C	4	0.25
(1,605)	1:A:26:GLU:CA	1:A:22:ALA:C	5	0.25
(1,605)	1:A:26:GLU:CA	1:A:26:GLU:C	5	0.25
(1,605)	1:A:26:GLU:CA	1:A:29:ALA:C	5	0.25
(1,605)	1:A:47:GLU:CA	1:A:45:ILE:C	5	0.25
(1,605)	1:A:47:GLU:CA	1:A:50:ALA:C	5	0.25
(1,605)	1:A:26:GLU:CA	1:A:22:ALA:C	8	0.25
(1,605)	1:A:26:GLU:CA	1:A:26:GLU:C	8	0.25
(1,605)	1:A:26:GLU:CA	1:A:29:ALA:C	8	0.25
(1,605)	1:A:47:GLU:CA	1:A:45:ILE:C	8	0.25
(1,605)	1:A:47:GLU:CA	1:A:50:ALA:C	8	0.25
(1,587)	1:A:76:ILE:CA	1:A:76:ILE:C	3	0.25
(1,587)	1:A:149:ILE:CA	1:A:150:PHE:C	3	0.25
(1,587)	1:A:151:ILE:CA	1:A:150:PHE:C	3	0.25
(1,587)	1:A:151:ILE:CA	1:A:152:ALA:C	3	0.25
(1,587)	1:A:151:ILE:CA	1:A:153:TYR:C	3	0.25
(1,587)	1:A:155:ILE:CA	1:A:152:ALA:C	3	0.25
(1,587)	1:A:155:ILE:CA	1:A:153:TYR:C	3	0.25
(1,587)	1:A:21:THR:CA	1:A:19:ALA:C	3	0.25
(1,587)	1:A:76:ILE:CA	1:A:76:ILE:C	5	0.25
(1,587)	1:A:149:ILE:CA	1:A:150:PHE:C	5	0.25
(1,587)	1:A:151:ILE:CA	1:A:150:PHE:C	5	0.25
(1,587)	1:A:151:ILE:CA	1:A:152:ALA:C	5	0.25
(1,587)	1:A:151:ILE:CA	1:A:153:TYR:C	5	0.25
(1,587)	1:A:155:ILE:CA	1:A:152:ALA:C	5	0.25
(1,587)	1:A:155:ILE:CA	1:A:153:TYR:C	5	0.25
(1,587)	1:A:21:THR:CA	1:A:19:ALA:C	5	0.25
(1,587)	1:A:76:ILE:CA	1:A:76:ILE:C	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,587)	1:A:149:ILE:CA	1:A:150:PHE:C	6	0.25
(1,587)	1:A:151:ILE:CA	1:A:150:PHE:C	6	0.25
(1,587)	1:A:151:ILE:CA	1:A:152:ALA:C	6	0.25
(1,587)	1:A:151:ILE:CA	1:A:153:TYR:C	6	0.25
(1,587)	1:A:155:ILE:CA	1:A:152:ALA:C	6	0.25
(1,587)	1:A:155:ILE:CA	1:A:153:TYR:C	6	0.25
(1,587)	1:A:21:THR:CA	1:A:19:ALA:C	6	0.25
(1,587)	1:A:76:ILE:CA	1:A:76:ILE:C	7	0.25
(1,587)	1:A:149:ILE:CA	1:A:150:PHE:C	7	0.25
(1,587)	1:A:151:ILE:CA	1:A:150:PHE:C	7	0.25
(1,587)	1:A:151:ILE:CA	1:A:152:ALA:C	7	0.25
(1,587)	1:A:151:ILE:CA	1:A:153:TYR:C	7	0.25
(1,587)	1:A:155:ILE:CA	1:A:152:ALA:C	7	0.25
(1,587)	1:A:155:ILE:CA	1:A:153:TYR:C	7	0.25
(1,587)	1:A:21:THR:CA	1:A:19:ALA:C	7	0.25
(1,587)	1:A:76:ILE:CA	1:A:76:ILE:C	8	0.25
(1,587)	1:A:149:ILE:CA	1:A:150:PHE:C	8	0.25
(1,587)	1:A:151:ILE:CA	1:A:150:PHE:C	8	0.25
(1,587)	1:A:151:ILE:CA	1:A:152:ALA:C	8	0.25
(1,587)	1:A:151:ILE:CA	1:A:153:TYR:C	8	0.25
(1,587)	1:A:155:ILE:CA	1:A:152:ALA:C	8	0.25
(1,587)	1:A:155:ILE:CA	1:A:153:TYR:C	8	0.25
(1,587)	1:A:21:THR:CA	1:A:19:ALA:C	8	0.25
(1,587)	1:A:76:ILE:CA	1:A:76:ILE:C	9	0.25
(1,587)	1:A:149:ILE:CA	1:A:150:PHE:C	9	0.25
(1,587)	1:A:151:ILE:CA	1:A:150:PHE:C	9	0.25
(1,587)	1:A:151:ILE:CA	1:A:152:ALA:C	9	0.25
(1,587)	1:A:151:ILE:CA	1:A:153:TYR:C	9	0.25
(1,587)	1:A:155:ILE:CA	1:A:152:ALA:C	9	0.25
(1,587)	1:A:155:ILE:CA	1:A:153:TYR:C	9	0.25
(1,587)	1:A:21:THR:CA	1:A:19:ALA:C	9	0.25
(1,371)	1:A:88:THR:CA	1:A:87:LEU:C	1	0.25
(1,371)	1:A:121:PRO:CA	1:A:121:PRO:C	1	0.25
(1,371)	1:A:88:THR:CA	1:A:87:LEU:C	2	0.25
(1,371)	1:A:121:PRO:CA	1:A:121:PRO:C	2	0.25
(1,371)	1:A:88:THR:CA	1:A:87:LEU:C	3	0.25
(1,371)	1:A:121:PRO:CA	1:A:121:PRO:C	3	0.25
(1,371)	1:A:88:THR:CA	1:A:87:LEU:C	4	0.25
(1,371)	1:A:121:PRO:CA	1:A:121:PRO:C	4	0.25
(1,371)	1:A:88:THR:CA	1:A:87:LEU:C	5	0.25
(1,371)	1:A:121:PRO:CA	1:A:121:PRO:C	5	0.25
(1,371)	1:A:88:THR:CA	1:A:87:LEU:C	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,371)	1:A:121:PRO:CA	1:A:121:PRO:C	6	0.25
(1,371)	1:A:88:THR:CA	1:A:87:LEU:C	7	0.25
(1,371)	1:A:121:PRO:CA	1:A:121:PRO:C	7	0.25
(1,371)	1:A:88:THR:CA	1:A:87:LEU:C	8	0.25
(1,371)	1:A:121:PRO:CA	1:A:121:PRO:C	8	0.25
(1,371)	1:A:88:THR:CA	1:A:87:LEU:C	9	0.25
(1,371)	1:A:121:PRO:CA	1:A:121:PRO:C	9	0.25
(1,371)	1:A:88:THR:CA	1:A:87:LEU:C	10	0.25
(1,371)	1:A:121:PRO:CA	1:A:121:PRO:C	10	0.25
(1,168)	1:A:48:ARG:CG	1:A:48:ARG:CD	3	0.25
(1,146)	1:A:25:LEU:CG	1:A:26:GLU:CA	1	0.25
(1,146)	1:A:26:GLU:CB	1:A:26:GLU:CA	1	0.25
(1,146)	1:A:27:LEU:CG	1:A:26:GLU:CA	1	0.25
(1,146)	1:A:25:LEU:CG	1:A:26:GLU:CA	5	0.25
(1,146)	1:A:26:GLU:CB	1:A:26:GLU:CA	5	0.25
(1,146)	1:A:27:LEU:CG	1:A:26:GLU:CA	5	0.25
(1,146)	1:A:25:LEU:CG	1:A:26:GLU:CA	6	0.25
(1,146)	1:A:26:GLU:CB	1:A:26:GLU:CA	6	0.25
(1,146)	1:A:27:LEU:CG	1:A:26:GLU:CA	6	0.25
(1,146)	1:A:25:LEU:CG	1:A:26:GLU:CA	9	0.25
(1,146)	1:A:26:GLU:CB	1:A:26:GLU:CA	9	0.25
(1,146)	1:A:27:LEU:CG	1:A:26:GLU:CA	9	0.25
(1,1311)	1:D:151:ILE:CD1	1:D:151:ILE:CG1	2	0.25
(1,1311)	1:D:151:ILE:CD1	1:D:151:ILE:CG1	3	0.25
(1,1311)	1:D:151:ILE:CD1	1:D:151:ILE:CG1	6	0.25
(1,1311)	1:D:151:ILE:CD1	1:D:151:ILE:CG1	7	0.25
(1,1254)	1:D:76:ILE:CA	1:D:76:ILE:C	9	0.25
(1,1254)	1:D:149:ILE:CA	1:D:150:PHE:C	9	0.25
(1,1254)	1:D:151:ILE:CA	1:D:150:PHE:C	9	0.25
(1,1254)	1:D:151:ILE:CA	1:D:152:ALA:C	9	0.25
(1,1254)	1:D:151:ILE:CA	1:D:153:TYR:C	9	0.25
(1,1254)	1:D:155:ILE:CA	1:D:152:ALA:C	9	0.25
(1,1254)	1:D:155:ILE:CA	1:D:153:TYR:C	9	0.25
(1,1254)	1:D:21:THR:CA	1:D:19:ALA:C	9	0.25
(1,113)	1:A:115:PRO:CB	1:A:115:PRO:CA	1	0.25
(1,113)	1:A:149:ILE:CG1	1:A:150:PHE:CA	1	0.25
(1,113)	1:A:151:ILE:CG1	1:A:150:PHE:CA	1	0.25
(1,113)	1:A:160:VAL:CB	1:A:162:ILE:CA	1	0.25
(1,113)	1:A:115:PRO:CB	1:A:115:PRO:CA	2	0.25
(1,113)	1:A:149:ILE:CG1	1:A:150:PHE:CA	2	0.25
(1,113)	1:A:151:ILE:CG1	1:A:150:PHE:CA	2	0.25
(1,113)	1:A:160:VAL:CB	1:A:162:ILE:CA	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:A:115:PRO:CB	1:A:115:PRO:CA	3	0.25
(1,113)	1:A:149:ILE:CG1	1:A:150:PHE:CA	3	0.25
(1,113)	1:A:151:ILE:CG1	1:A:150:PHE:CA	3	0.25
(1,113)	1:A:160:VAL:CB	1:A:162:ILE:CA	3	0.25
(1,113)	1:A:115:PRO:CB	1:A:115:PRO:CA	4	0.25
(1,113)	1:A:149:ILE:CG1	1:A:150:PHE:CA	4	0.25
(1,113)	1:A:151:ILE:CG1	1:A:150:PHE:CA	4	0.25
(1,113)	1:A:160:VAL:CB	1:A:162:ILE:CA	4	0.25
(1,113)	1:A:115:PRO:CB	1:A:115:PRO:CA	5	0.25
(1,113)	1:A:149:ILE:CG1	1:A:150:PHE:CA	5	0.25
(1,113)	1:A:151:ILE:CG1	1:A:150:PHE:CA	5	0.25
(1,113)	1:A:160:VAL:CB	1:A:162:ILE:CA	5	0.25
(1,113)	1:A:115:PRO:CB	1:A:115:PRO:CA	6	0.25
(1,113)	1:A:149:ILE:CG1	1:A:150:PHE:CA	6	0.25
(1,113)	1:A:151:ILE:CG1	1:A:150:PHE:CA	6	0.25
(1,113)	1:A:160:VAL:CB	1:A:162:ILE:CA	6	0.25
(1,113)	1:A:115:PRO:CB	1:A:115:PRO:CA	8	0.25
(1,113)	1:A:149:ILE:CG1	1:A:150:PHE:CA	8	0.25
(1,113)	1:A:151:ILE:CG1	1:A:150:PHE:CA	8	0.25
(1,113)	1:A:160:VAL:CB	1:A:162:ILE:CA	8	0.25
(1,113)	1:A:115:PRO:CB	1:A:115:PRO:CA	9	0.25
(1,113)	1:A:149:ILE:CG1	1:A:150:PHE:CA	9	0.25
(1,113)	1:A:151:ILE:CG1	1:A:150:PHE:CA	9	0.25
(1,113)	1:A:160:VAL:CB	1:A:162:ILE:CA	9	0.25
(1,113)	1:A:115:PRO:CB	1:A:115:PRO:CA	10	0.25
(1,113)	1:A:149:ILE:CG1	1:A:150:PHE:CA	10	0.25
(1,113)	1:A:151:ILE:CG1	1:A:150:PHE:CA	10	0.25
(1,113)	1:A:160:VAL:CB	1:A:162:ILE:CA	10	0.25
(1,1038)	1:D:88:THR:CA	1:D:87:LEU:C	1	0.25
(1,1038)	1:D:121:PRO:CA	1:D:121:PRO:C	1	0.25
(1,1038)	1:D:88:THR:CA	1:D:87:LEU:C	2	0.25
(1,1038)	1:D:121:PRO:CA	1:D:121:PRO:C	2	0.25
(1,1038)	1:D:88:THR:CA	1:D:87:LEU:C	3	0.25
(1,1038)	1:D:121:PRO:CA	1:D:121:PRO:C	3	0.25
(1,1038)	1:D:88:THR:CA	1:D:87:LEU:C	4	0.25
(1,1038)	1:D:121:PRO:CA	1:D:121:PRO:C	4	0.25
(1,1038)	1:D:88:THR:CA	1:D:87:LEU:C	7	0.25
(1,1038)	1:D:121:PRO:CA	1:D:121:PRO:C	7	0.25
(1,1038)	1:D:88:THR:CA	1:D:87:LEU:C	8	0.25
(1,1038)	1:D:121:PRO:CA	1:D:121:PRO:C	8	0.25
(1,1038)	1:D:88:THR:CA	1:D:87:LEU:C	9	0.25
(1,1038)	1:D:121:PRO:CA	1:D:121:PRO:C	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,97)	1:A:93:MET:CB	1:A:93:MET:CA	2	0.24
(1,97)	1:A:93:MET:CB	1:A:93:MET:CA	3	0.24
(1,97)	1:A:93:MET:CB	1:A:93:MET:CA	4	0.24
(1,97)	1:A:93:MET:CB	1:A:93:MET:CA	10	0.24
(1,9)	1:A:100:PRO:CD	1:A:102:ALA:CA	6	0.24
(1,835)	1:D:48:ARG:CG	1:D:48:ARG:CD	4	0.24
(1,835)	1:D:48:ARG:CG	1:D:48:ARG:CD	5	0.24
(1,835)	1:D:48:ARG:CG	1:D:48:ARG:CD	7	0.24
(1,835)	1:D:48:ARG:CG	1:D:48:ARG:CD	10	0.24
(1,813)	1:D:25:LEU:CG	1:D:26:GLU:CA	1	0.24
(1,813)	1:D:26:GLU:CB	1:D:26:GLU:CA	1	0.24
(1,813)	1:D:27:LEU:CG	1:D:26:GLU:CA	1	0.24
(1,813)	1:D:25:LEU:CG	1:D:26:GLU:CA	4	0.24
(1,813)	1:D:26:GLU:CB	1:D:26:GLU:CA	4	0.24
(1,813)	1:D:27:LEU:CG	1:D:26:GLU:CA	4	0.24
(1,813)	1:D:25:LEU:CG	1:D:26:GLU:CA	5	0.24
(1,813)	1:D:26:GLU:CB	1:D:26:GLU:CA	5	0.24
(1,813)	1:D:27:LEU:CG	1:D:26:GLU:CA	5	0.24
(1,813)	1:D:25:LEU:CG	1:D:26:GLU:CA	6	0.24
(1,813)	1:D:26:GLU:CB	1:D:26:GLU:CA	6	0.24
(1,813)	1:D:27:LEU:CG	1:D:26:GLU:CA	6	0.24
(1,813)	1:D:25:LEU:CG	1:D:26:GLU:CA	7	0.24
(1,813)	1:D:26:GLU:CB	1:D:26:GLU:CA	7	0.24
(1,813)	1:D:27:LEU:CG	1:D:26:GLU:CA	7	0.24
(1,813)	1:D:25:LEU:CG	1:D:26:GLU:CA	8	0.24
(1,813)	1:D:26:GLU:CB	1:D:26:GLU:CA	8	0.24
(1,813)	1:D:27:LEU:CG	1:D:26:GLU:CA	8	0.24
(1,813)	1:D:25:LEU:CG	1:D:26:GLU:CA	9	0.24
(1,813)	1:D:26:GLU:CB	1:D:26:GLU:CA	9	0.24
(1,813)	1:D:27:LEU:CG	1:D:26:GLU:CA	9	0.24
(1,813)	1:D:25:LEU:CG	1:D:26:GLU:CA	10	0.24
(1,813)	1:D:26:GLU:CB	1:D:26:GLU:CA	10	0.24
(1,813)	1:D:27:LEU:CG	1:D:26:GLU:CA	10	0.24
(1,81)	1:A:76:ILE:CG1	1:A:76:ILE:CA	2	0.24
(1,81)	1:A:72:VAL:CB	1:A:72:VAL:CA	2	0.24
(1,81)	1:A:75:VAL:CB	1:A:76:ILE:CA	2	0.24
(1,81)	1:A:76:ILE:CG1	1:A:76:ILE:CA	3	0.24
(1,81)	1:A:72:VAL:CB	1:A:72:VAL:CA	3	0.24
(1,81)	1:A:75:VAL:CB	1:A:76:ILE:CA	3	0.24
(1,81)	1:A:76:ILE:CG1	1:A:76:ILE:CA	4	0.24
(1,81)	1:A:72:VAL:CB	1:A:72:VAL:CA	4	0.24
(1,81)	1:A:75:VAL:CB	1:A:76:ILE:CA	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:A:76:ILE:CG1	1:A:76:ILE:CA	5	0.24
(1,81)	1:A:72:VAL:CB	1:A:72:VAL:CA	5	0.24
(1,81)	1:A:75:VAL:CB	1:A:76:ILE:CA	5	0.24
(1,81)	1:A:76:ILE:CG1	1:A:76:ILE:CA	6	0.24
(1,81)	1:A:72:VAL:CB	1:A:72:VAL:CA	6	0.24
(1,81)	1:A:75:VAL:CB	1:A:76:ILE:CA	6	0.24
(1,81)	1:A:76:ILE:CG1	1:A:76:ILE:CA	7	0.24
(1,81)	1:A:72:VAL:CB	1:A:72:VAL:CA	7	0.24
(1,81)	1:A:75:VAL:CB	1:A:76:ILE:CA	7	0.24
(1,81)	1:A:76:ILE:CG1	1:A:76:ILE:CA	8	0.24
(1,81)	1:A:72:VAL:CB	1:A:72:VAL:CA	8	0.24
(1,81)	1:A:75:VAL:CB	1:A:76:ILE:CA	8	0.24
(1,81)	1:A:76:ILE:CG1	1:A:76:ILE:CA	9	0.24
(1,81)	1:A:72:VAL:CB	1:A:72:VAL:CA	9	0.24
(1,81)	1:A:75:VAL:CB	1:A:76:ILE:CA	9	0.24
(1,81)	1:A:76:ILE:CG1	1:A:76:ILE:CA	10	0.24
(1,81)	1:A:72:VAL:CB	1:A:72:VAL:CA	10	0.24
(1,81)	1:A:75:VAL:CB	1:A:76:ILE:CA	10	0.24
(1,79)	1:A:120:VAL:CB	1:A:121:PRO:CA	1	0.24
(1,79)	1:A:121:PRO:CB	1:A:121:PRO:CA	1	0.24
(1,79)	1:A:120:VAL:CB	1:A:121:PRO:CA	2	0.24
(1,79)	1:A:121:PRO:CB	1:A:121:PRO:CA	2	0.24
(1,79)	1:A:120:VAL:CB	1:A:121:PRO:CA	3	0.24
(1,79)	1:A:121:PRO:CB	1:A:121:PRO:CA	3	0.24
(1,79)	1:A:120:VAL:CB	1:A:121:PRO:CA	4	0.24
(1,79)	1:A:121:PRO:CB	1:A:121:PRO:CA	4	0.24
(1,79)	1:A:120:VAL:CB	1:A:121:PRO:CA	5	0.24
(1,79)	1:A:121:PRO:CB	1:A:121:PRO:CA	5	0.24
(1,79)	1:A:120:VAL:CB	1:A:121:PRO:CA	6	0.24
(1,79)	1:A:121:PRO:CB	1:A:121:PRO:CA	6	0.24
(1,79)	1:A:120:VAL:CB	1:A:121:PRO:CA	7	0.24
(1,79)	1:A:121:PRO:CB	1:A:121:PRO:CA	7	0.24
(1,79)	1:A:120:VAL:CB	1:A:121:PRO:CA	8	0.24
(1,79)	1:A:121:PRO:CB	1:A:121:PRO:CA	8	0.24
(1,79)	1:A:120:VAL:CB	1:A:121:PRO:CA	9	0.24
(1,79)	1:A:121:PRO:CB	1:A:121:PRO:CA	9	0.24
(1,79)	1:A:120:VAL:CB	1:A:121:PRO:CA	10	0.24
(1,79)	1:A:121:PRO:CB	1:A:121:PRO:CA	10	0.24
(1,782)	1:D:48:ARG:CB	1:D:48:ARG:CA	1	0.24
(1,782)	1:D:48:ARG:CB	1:D:48:ARG:CA	2	0.24
(1,782)	1:D:48:ARG:CB	1:D:48:ARG:CA	3	0.24
(1,782)	1:D:48:ARG:CB	1:D:48:ARG:CA	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,782)	1:D:48:ARG:CB	1:D:48:ARG:CA	5	0.24
(1,782)	1:D:48:ARG:CB	1:D:48:ARG:CA	6	0.24
(1,782)	1:D:48:ARG:CB	1:D:48:ARG:CA	7	0.24
(1,782)	1:D:48:ARG:CB	1:D:48:ARG:CA	8	0.24
(1,782)	1:D:48:ARG:CB	1:D:48:ARG:CA	10	0.24
(1,780)	1:D:115:PRO:CB	1:D:115:PRO:CA	1	0.24
(1,780)	1:D:149:ILE:CG1	1:D:150:PHE:CA	1	0.24
(1,780)	1:D:151:ILE:CG1	1:D:150:PHE:CA	1	0.24
(1,780)	1:D:160:VAL:CB	1:D:162:ILE:CA	1	0.24
(1,780)	1:D:115:PRO:CB	1:D:115:PRO:CA	2	0.24
(1,780)	1:D:149:ILE:CG1	1:D:150:PHE:CA	2	0.24
(1,780)	1:D:151:ILE:CG1	1:D:150:PHE:CA	2	0.24
(1,780)	1:D:160:VAL:CB	1:D:162:ILE:CA	2	0.24
(1,780)	1:D:115:PRO:CB	1:D:115:PRO:CA	4	0.24
(1,780)	1:D:149:ILE:CG1	1:D:150:PHE:CA	4	0.24
(1,780)	1:D:151:ILE:CG1	1:D:150:PHE:CA	4	0.24
(1,780)	1:D:160:VAL:CB	1:D:162:ILE:CA	4	0.24
(1,780)	1:D:115:PRO:CB	1:D:115:PRO:CA	5	0.24
(1,780)	1:D:149:ILE:CG1	1:D:150:PHE:CA	5	0.24
(1,780)	1:D:151:ILE:CG1	1:D:150:PHE:CA	5	0.24
(1,780)	1:D:160:VAL:CB	1:D:162:ILE:CA	5	0.24
(1,780)	1:D:115:PRO:CB	1:D:115:PRO:CA	6	0.24
(1,780)	1:D:149:ILE:CG1	1:D:150:PHE:CA	6	0.24
(1,780)	1:D:151:ILE:CG1	1:D:150:PHE:CA	6	0.24
(1,780)	1:D:160:VAL:CB	1:D:162:ILE:CA	6	0.24
(1,780)	1:D:115:PRO:CB	1:D:115:PRO:CA	7	0.24
(1,780)	1:D:149:ILE:CG1	1:D:150:PHE:CA	7	0.24
(1,780)	1:D:151:ILE:CG1	1:D:150:PHE:CA	7	0.24
(1,780)	1:D:160:VAL:CB	1:D:162:ILE:CA	7	0.24
(1,780)	1:D:115:PRO:CB	1:D:115:PRO:CA	8	0.24
(1,780)	1:D:149:ILE:CG1	1:D:150:PHE:CA	8	0.24
(1,780)	1:D:151:ILE:CG1	1:D:150:PHE:CA	8	0.24
(1,780)	1:D:160:VAL:CB	1:D:162:ILE:CA	8	0.24
(1,780)	1:D:115:PRO:CB	1:D:115:PRO:CA	9	0.24
(1,780)	1:D:149:ILE:CG1	1:D:150:PHE:CA	9	0.24
(1,780)	1:D:151:ILE:CG1	1:D:150:PHE:CA	9	0.24
(1,780)	1:D:160:VAL:CB	1:D:162:ILE:CA	9	0.24
(1,780)	1:D:115:PRO:CB	1:D:115:PRO:CA	10	0.24
(1,780)	1:D:149:ILE:CG1	1:D:150:PHE:CA	10	0.24
(1,780)	1:D:151:ILE:CG1	1:D:150:PHE:CA	10	0.24
(1,780)	1:D:160:VAL:CB	1:D:162:ILE:CA	10	0.24
(1,767)	1:D:68:PRO:CB	1:D:68:PRO:CA	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,767)	1:D:68:PRO:CB	1:D:68:PRO:CA	3	0.24
(1,767)	1:D:68:PRO:CB	1:D:68:PRO:CA	4	0.24
(1,767)	1:D:68:PRO:CB	1:D:68:PRO:CA	5	0.24
(1,767)	1:D:68:PRO:CB	1:D:68:PRO:CA	6	0.24
(1,767)	1:D:68:PRO:CB	1:D:68:PRO:CA	7	0.24
(1,767)	1:D:68:PRO:CB	1:D:68:PRO:CA	8	0.24
(1,743)	1:D:68:PRO:CB	1:D:68:PRO:CA	1	0.24
(1,743)	1:D:68:PRO:CB	1:D:68:PRO:CA	3	0.24
(1,743)	1:D:68:PRO:CB	1:D:68:PRO:CA	4	0.24
(1,743)	1:D:68:PRO:CB	1:D:68:PRO:CA	5	0.24
(1,743)	1:D:68:PRO:CB	1:D:68:PRO:CA	6	0.24
(1,743)	1:D:68:PRO:CB	1:D:68:PRO:CA	7	0.24
(1,743)	1:D:68:PRO:CB	1:D:68:PRO:CA	8	0.24
(1,644)	1:A:151:ILE:CD1	1:A:151:ILE:CG1	1	0.24
(1,644)	1:A:151:ILE:CD1	1:A:151:ILE:CG1	2	0.24
(1,644)	1:A:151:ILE:CD1	1:A:151:ILE:CG1	3	0.24
(1,644)	1:A:151:ILE:CD1	1:A:151:ILE:CG1	4	0.24
(1,644)	1:A:151:ILE:CD1	1:A:151:ILE:CG1	5	0.24
(1,644)	1:A:151:ILE:CD1	1:A:151:ILE:CG1	6	0.24
(1,644)	1:A:151:ILE:CD1	1:A:151:ILE:CG1	7	0.24
(1,644)	1:A:151:ILE:CD1	1:A:151:ILE:CG1	8	0.24
(1,644)	1:A:151:ILE:CD1	1:A:151:ILE:CG1	10	0.24
(1,605)	1:A:26:GLU:CA	1:A:22:ALA:C	1	0.24
(1,605)	1:A:26:GLU:CA	1:A:26:GLU:C	1	0.24
(1,605)	1:A:26:GLU:CA	1:A:29:ALA:C	1	0.24
(1,605)	1:A:47:GLU:CA	1:A:45:ILE:C	1	0.24
(1,605)	1:A:47:GLU:CA	1:A:50:ALA:C	1	0.24
(1,605)	1:A:26:GLU:CA	1:A:22:ALA:C	2	0.24
(1,605)	1:A:26:GLU:CA	1:A:26:GLU:C	2	0.24
(1,605)	1:A:26:GLU:CA	1:A:29:ALA:C	2	0.24
(1,605)	1:A:47:GLU:CA	1:A:45:ILE:C	2	0.24
(1,605)	1:A:47:GLU:CA	1:A:50:ALA:C	2	0.24
(1,605)	1:A:26:GLU:CA	1:A:22:ALA:C	6	0.24
(1,605)	1:A:26:GLU:CA	1:A:26:GLU:C	6	0.24
(1,605)	1:A:26:GLU:CA	1:A:29:ALA:C	6	0.24
(1,605)	1:A:47:GLU:CA	1:A:45:ILE:C	6	0.24
(1,605)	1:A:47:GLU:CA	1:A:50:ALA:C	6	0.24
(1,605)	1:A:26:GLU:CA	1:A:22:ALA:C	7	0.24
(1,605)	1:A:26:GLU:CA	1:A:26:GLU:C	7	0.24
(1,605)	1:A:26:GLU:CA	1:A:29:ALA:C	7	0.24
(1,605)	1:A:47:GLU:CA	1:A:45:ILE:C	7	0.24
(1,605)	1:A:47:GLU:CA	1:A:50:ALA:C	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,605)	1:A:26:GLU:CA	1:A:22:ALA:C	9	0.24
(1,605)	1:A:26:GLU:CA	1:A:26:GLU:C	9	0.24
(1,605)	1:A:26:GLU:CA	1:A:29:ALA:C	9	0.24
(1,605)	1:A:47:GLU:CA	1:A:45:ILE:C	9	0.24
(1,605)	1:A:47:GLU:CA	1:A:50:ALA:C	9	0.24
(1,605)	1:A:26:GLU:CA	1:A:22:ALA:C	10	0.24
(1,605)	1:A:26:GLU:CA	1:A:26:GLU:C	10	0.24
(1,605)	1:A:26:GLU:CA	1:A:29:ALA:C	10	0.24
(1,605)	1:A:47:GLU:CA	1:A:45:ILE:C	10	0.24
(1,605)	1:A:47:GLU:CA	1:A:50:ALA:C	10	0.24
(1,587)	1:A:76:ILE:CA	1:A:76:ILE:C	1	0.24
(1,587)	1:A:149:ILE:CA	1:A:150:PHE:C	1	0.24
(1,587)	1:A:151:ILE:CA	1:A:150:PHE:C	1	0.24
(1,587)	1:A:151:ILE:CA	1:A:152:ALA:C	1	0.24
(1,587)	1:A:151:ILE:CA	1:A:153:TYR:C	1	0.24
(1,587)	1:A:155:ILE:CA	1:A:152:ALA:C	1	0.24
(1,587)	1:A:155:ILE:CA	1:A:153:TYR:C	1	0.24
(1,587)	1:A:21:THR:CA	1:A:19:ALA:C	1	0.24
(1,587)	1:A:76:ILE:CA	1:A:76:ILE:C	2	0.24
(1,587)	1:A:149:ILE:CA	1:A:150:PHE:C	2	0.24
(1,587)	1:A:151:ILE:CA	1:A:150:PHE:C	2	0.24
(1,587)	1:A:151:ILE:CA	1:A:152:ALA:C	2	0.24
(1,587)	1:A:151:ILE:CA	1:A:153:TYR:C	2	0.24
(1,587)	1:A:155:ILE:CA	1:A:152:ALA:C	2	0.24
(1,587)	1:A:155:ILE:CA	1:A:153:TYR:C	2	0.24
(1,587)	1:A:21:THR:CA	1:A:19:ALA:C	2	0.24
(1,587)	1:A:76:ILE:CA	1:A:76:ILE:C	4	0.24
(1,587)	1:A:149:ILE:CA	1:A:150:PHE:C	4	0.24
(1,587)	1:A:151:ILE:CA	1:A:150:PHE:C	4	0.24
(1,587)	1:A:151:ILE:CA	1:A:152:ALA:C	4	0.24
(1,587)	1:A:151:ILE:CA	1:A:153:TYR:C	4	0.24
(1,587)	1:A:155:ILE:CA	1:A:152:ALA:C	4	0.24
(1,587)	1:A:155:ILE:CA	1:A:153:TYR:C	4	0.24
(1,587)	1:A:21:THR:CA	1:A:19:ALA:C	4	0.24
(1,587)	1:A:76:ILE:CA	1:A:76:ILE:C	10	0.24
(1,587)	1:A:149:ILE:CA	1:A:150:PHE:C	10	0.24
(1,587)	1:A:151:ILE:CA	1:A:150:PHE:C	10	0.24
(1,587)	1:A:151:ILE:CA	1:A:152:ALA:C	10	0.24
(1,587)	1:A:151:ILE:CA	1:A:153:TYR:C	10	0.24
(1,587)	1:A:155:ILE:CA	1:A:152:ALA:C	10	0.24
(1,587)	1:A:155:ILE:CA	1:A:153:TYR:C	10	0.24
(1,587)	1:A:21:THR:CA	1:A:19:ALA:C	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:A:68:PRO:CG	1:A:68:PRO:CB	1	0.24
(1,486)	1:A:68:PRO:CG	1:A:68:PRO:CB	5	0.24
(1,486)	1:A:68:PRO:CG	1:A:68:PRO:CB	8	0.24
(1,485)	1:A:68:PRO:CG	1:A:68:PRO:CB	1	0.24
(1,485)	1:A:68:PRO:CG	1:A:68:PRO:CB	5	0.24
(1,485)	1:A:68:PRO:CG	1:A:68:PRO:CB	8	0.24
(1,484)	1:A:115:PRO:CG	1:A:115:PRO:CB	1	0.24
(1,484)	1:A:115:PRO:CG	1:A:115:PRO:CB	3	0.24
(1,484)	1:A:115:PRO:CG	1:A:115:PRO:CB	7	0.24
(1,484)	1:A:115:PRO:CG	1:A:115:PRO:CB	8	0.24
(1,484)	1:A:115:PRO:CG	1:A:115:PRO:CB	9	0.24
(1,484)	1:A:115:PRO:CG	1:A:115:PRO:CB	10	0.24
(1,483)	1:A:115:PRO:CG	1:A:115:PRO:CB	1	0.24
(1,483)	1:A:115:PRO:CG	1:A:115:PRO:CB	3	0.24
(1,483)	1:A:115:PRO:CG	1:A:115:PRO:CB	7	0.24
(1,483)	1:A:115:PRO:CG	1:A:115:PRO:CB	8	0.24
(1,483)	1:A:115:PRO:CG	1:A:115:PRO:CB	9	0.24
(1,483)	1:A:115:PRO:CG	1:A:115:PRO:CB	10	0.24
(1,304)	1:A:123:VAL:CA	1:A:121:PRO:C	1	0.24
(1,304)	1:A:45:ILE:CA	1:A:43:LEU:C	1	0.24
(1,304)	1:A:45:ILE:CA	1:A:45:ILE:C	1	0.24
(1,304)	1:A:123:VAL:CA	1:A:121:PRO:C	2	0.24
(1,304)	1:A:45:ILE:CA	1:A:43:LEU:C	2	0.24
(1,304)	1:A:45:ILE:CA	1:A:45:ILE:C	2	0.24
(1,304)	1:A:123:VAL:CA	1:A:121:PRO:C	3	0.24
(1,304)	1:A:45:ILE:CA	1:A:43:LEU:C	3	0.24
(1,304)	1:A:45:ILE:CA	1:A:45:ILE:C	3	0.24
(1,304)	1:A:123:VAL:CA	1:A:121:PRO:C	5	0.24
(1,304)	1:A:45:ILE:CA	1:A:43:LEU:C	5	0.24
(1,304)	1:A:45:ILE:CA	1:A:45:ILE:C	5	0.24
(1,304)	1:A:123:VAL:CA	1:A:121:PRO:C	6	0.24
(1,304)	1:A:45:ILE:CA	1:A:43:LEU:C	6	0.24
(1,304)	1:A:45:ILE:CA	1:A:45:ILE:C	6	0.24
(1,304)	1:A:123:VAL:CA	1:A:121:PRO:C	7	0.24
(1,304)	1:A:45:ILE:CA	1:A:43:LEU:C	7	0.24
(1,304)	1:A:45:ILE:CA	1:A:45:ILE:C	7	0.24
(1,304)	1:A:123:VAL:CA	1:A:121:PRO:C	8	0.24
(1,304)	1:A:45:ILE:CA	1:A:43:LEU:C	8	0.24
(1,304)	1:A:45:ILE:CA	1:A:45:ILE:C	8	0.24
(1,304)	1:A:123:VAL:CA	1:A:121:PRO:C	9	0.24
(1,304)	1:A:45:ILE:CA	1:A:43:LEU:C	9	0.24
(1,304)	1:A:45:ILE:CA	1:A:45:ILE:C	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,183)	1:A:60:ILE:CG1	1:A:60:ILE:CB	10	0.24
(1,182)	1:A:149:ILE:CG1	1:A:149:ILE:CB	3	0.24
(1,168)	1:A:48:ARG:CG	1:A:48:ARG:CD	1	0.24
(1,168)	1:A:48:ARG:CG	1:A:48:ARG:CD	4	0.24
(1,168)	1:A:48:ARG:CG	1:A:48:ARG:CD	8	0.24
(1,168)	1:A:48:ARG:CG	1:A:48:ARG:CD	9	0.24
(1,168)	1:A:48:ARG:CG	1:A:48:ARG:CD	10	0.24
(1,1311)	1:D:151:ILE:CD1	1:D:151:ILE:CG1	1	0.24
(1,1311)	1:D:151:ILE:CD1	1:D:151:ILE:CG1	4	0.24
(1,1311)	1:D:151:ILE:CD1	1:D:151:ILE:CG1	5	0.24
(1,1311)	1:D:151:ILE:CD1	1:D:151:ILE:CG1	8	0.24
(1,1311)	1:D:151:ILE:CD1	1:D:151:ILE:CG1	9	0.24
(1,1311)	1:D:151:ILE:CD1	1:D:151:ILE:CG1	10	0.24
(1,1272)	1:D:26:GLU:CA	1:D:22:ALA:C	1	0.24
(1,1272)	1:D:26:GLU:CA	1:D:26:GLU:C	1	0.24
(1,1272)	1:D:26:GLU:CA	1:D:29:ALA:C	1	0.24
(1,1272)	1:D:47:GLU:CA	1:D:45:ILE:C	1	0.24
(1,1272)	1:D:47:GLU:CA	1:D:50:ALA:C	1	0.24
(1,1272)	1:D:26:GLU:CA	1:D:22:ALA:C	2	0.24
(1,1272)	1:D:26:GLU:CA	1:D:26:GLU:C	2	0.24
(1,1272)	1:D:26:GLU:CA	1:D:29:ALA:C	2	0.24
(1,1272)	1:D:47:GLU:CA	1:D:45:ILE:C	2	0.24
(1,1272)	1:D:47:GLU:CA	1:D:50:ALA:C	2	0.24
(1,1272)	1:D:26:GLU:CA	1:D:22:ALA:C	4	0.24
(1,1272)	1:D:26:GLU:CA	1:D:26:GLU:C	4	0.24
(1,1272)	1:D:26:GLU:CA	1:D:29:ALA:C	4	0.24
(1,1272)	1:D:47:GLU:CA	1:D:45:ILE:C	4	0.24
(1,1272)	1:D:47:GLU:CA	1:D:50:ALA:C	4	0.24
(1,1272)	1:D:26:GLU:CA	1:D:22:ALA:C	7	0.24
(1,1272)	1:D:26:GLU:CA	1:D:26:GLU:C	7	0.24
(1,1272)	1:D:26:GLU:CA	1:D:29:ALA:C	7	0.24
(1,1272)	1:D:47:GLU:CA	1:D:45:ILE:C	7	0.24
(1,1272)	1:D:47:GLU:CA	1:D:50:ALA:C	7	0.24
(1,1272)	1:D:26:GLU:CA	1:D:22:ALA:C	8	0.24
(1,1272)	1:D:26:GLU:CA	1:D:26:GLU:C	8	0.24
(1,1272)	1:D:26:GLU:CA	1:D:29:ALA:C	8	0.24
(1,1272)	1:D:47:GLU:CA	1:D:45:ILE:C	8	0.24
(1,1272)	1:D:47:GLU:CA	1:D:50:ALA:C	8	0.24
(1,1272)	1:D:26:GLU:CA	1:D:22:ALA:C	10	0.24
(1,1272)	1:D:26:GLU:CA	1:D:26:GLU:C	10	0.24
(1,1272)	1:D:26:GLU:CA	1:D:29:ALA:C	10	0.24
(1,1272)	1:D:47:GLU:CA	1:D:45:ILE:C	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:D:47:GLU:CA	1:D:50:ALA:C	10	0.24
(1,1254)	1:D:76:ILE:CA	1:D:76:ILE:C	1	0.24
(1,1254)	1:D:149:ILE:CA	1:D:150:PHE:C	1	0.24
(1,1254)	1:D:151:ILE:CA	1:D:150:PHE:C	1	0.24
(1,1254)	1:D:151:ILE:CA	1:D:152:ALA:C	1	0.24
(1,1254)	1:D:151:ILE:CA	1:D:153:TYR:C	1	0.24
(1,1254)	1:D:155:ILE:CA	1:D:152:ALA:C	1	0.24
(1,1254)	1:D:155:ILE:CA	1:D:153:TYR:C	1	0.24
(1,1254)	1:D:21:THR:CA	1:D:19:ALA:C	1	0.24
(1,1254)	1:D:76:ILE:CA	1:D:76:ILE:C	2	0.24
(1,1254)	1:D:149:ILE:CA	1:D:150:PHE:C	2	0.24
(1,1254)	1:D:151:ILE:CA	1:D:150:PHE:C	2	0.24
(1,1254)	1:D:151:ILE:CA	1:D:152:ALA:C	2	0.24
(1,1254)	1:D:151:ILE:CA	1:D:153:TYR:C	2	0.24
(1,1254)	1:D:155:ILE:CA	1:D:152:ALA:C	2	0.24
(1,1254)	1:D:155:ILE:CA	1:D:153:TYR:C	2	0.24
(1,1254)	1:D:21:THR:CA	1:D:19:ALA:C	2	0.24
(1,1254)	1:D:76:ILE:CA	1:D:76:ILE:C	3	0.24
(1,1254)	1:D:149:ILE:CA	1:D:150:PHE:C	3	0.24
(1,1254)	1:D:151:ILE:CA	1:D:150:PHE:C	3	0.24
(1,1254)	1:D:151:ILE:CA	1:D:152:ALA:C	3	0.24
(1,1254)	1:D:151:ILE:CA	1:D:153:TYR:C	3	0.24
(1,1254)	1:D:155:ILE:CA	1:D:152:ALA:C	3	0.24
(1,1254)	1:D:155:ILE:CA	1:D:153:TYR:C	3	0.24
(1,1254)	1:D:21:THR:CA	1:D:19:ALA:C	3	0.24
(1,1254)	1:D:76:ILE:CA	1:D:76:ILE:C	4	0.24
(1,1254)	1:D:149:ILE:CA	1:D:150:PHE:C	4	0.24
(1,1254)	1:D:151:ILE:CA	1:D:150:PHE:C	4	0.24
(1,1254)	1:D:151:ILE:CA	1:D:152:ALA:C	4	0.24
(1,1254)	1:D:151:ILE:CA	1:D:153:TYR:C	4	0.24
(1,1254)	1:D:155:ILE:CA	1:D:152:ALA:C	4	0.24
(1,1254)	1:D:155:ILE:CA	1:D:153:TYR:C	4	0.24
(1,1254)	1:D:21:THR:CA	1:D:19:ALA:C	4	0.24
(1,1254)	1:D:76:ILE:CA	1:D:76:ILE:C	5	0.24
(1,1254)	1:D:149:ILE:CA	1:D:150:PHE:C	5	0.24
(1,1254)	1:D:151:ILE:CA	1:D:150:PHE:C	5	0.24
(1,1254)	1:D:151:ILE:CA	1:D:152:ALA:C	5	0.24
(1,1254)	1:D:151:ILE:CA	1:D:153:TYR:C	5	0.24
(1,1254)	1:D:155:ILE:CA	1:D:152:ALA:C	5	0.24
(1,1254)	1:D:155:ILE:CA	1:D:153:TYR:C	5	0.24
(1,1254)	1:D:21:THR:CA	1:D:19:ALA:C	5	0.24
(1,1254)	1:D:76:ILE:CA	1:D:76:ILE:C	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1254)	1:D:149:ILE:CA	1:D:150:PHE:C	6	0.24
(1,1254)	1:D:151:ILE:CA	1:D:150:PHE:C	6	0.24
(1,1254)	1:D:151:ILE:CA	1:D:152:ALA:C	6	0.24
(1,1254)	1:D:151:ILE:CA	1:D:153:TYR:C	6	0.24
(1,1254)	1:D:155:ILE:CA	1:D:152:ALA:C	6	0.24
(1,1254)	1:D:155:ILE:CA	1:D:153:TYR:C	6	0.24
(1,1254)	1:D:21:THR:CA	1:D:19:ALA:C	6	0.24
(1,1254)	1:D:76:ILE:CA	1:D:76:ILE:C	7	0.24
(1,1254)	1:D:149:ILE:CA	1:D:150:PHE:C	7	0.24
(1,1254)	1:D:151:ILE:CA	1:D:150:PHE:C	7	0.24
(1,1254)	1:D:151:ILE:CA	1:D:152:ALA:C	7	0.24
(1,1254)	1:D:151:ILE:CA	1:D:153:TYR:C	7	0.24
(1,1254)	1:D:155:ILE:CA	1:D:152:ALA:C	7	0.24
(1,1254)	1:D:155:ILE:CA	1:D:153:TYR:C	7	0.24
(1,1254)	1:D:21:THR:CA	1:D:19:ALA:C	7	0.24
(1,1254)	1:D:76:ILE:CA	1:D:76:ILE:C	8	0.24
(1,1254)	1:D:149:ILE:CA	1:D:150:PHE:C	8	0.24
(1,1254)	1:D:151:ILE:CA	1:D:150:PHE:C	8	0.24
(1,1254)	1:D:151:ILE:CA	1:D:152:ALA:C	8	0.24
(1,1254)	1:D:151:ILE:CA	1:D:153:TYR:C	8	0.24
(1,1254)	1:D:155:ILE:CA	1:D:152:ALA:C	8	0.24
(1,1254)	1:D:155:ILE:CA	1:D:153:TYR:C	8	0.24
(1,1254)	1:D:21:THR:CA	1:D:19:ALA:C	8	0.24
(1,1254)	1:D:76:ILE:CA	1:D:76:ILE:C	10	0.24
(1,1254)	1:D:149:ILE:CA	1:D:150:PHE:C	10	0.24
(1,1254)	1:D:151:ILE:CA	1:D:150:PHE:C	10	0.24
(1,1254)	1:D:151:ILE:CA	1:D:152:ALA:C	10	0.24
(1,1254)	1:D:151:ILE:CA	1:D:153:TYR:C	10	0.24
(1,1254)	1:D:155:ILE:CA	1:D:152:ALA:C	10	0.24
(1,1254)	1:D:155:ILE:CA	1:D:153:TYR:C	10	0.24
(1,1254)	1:D:21:THR:CA	1:D:19:ALA:C	10	0.24
(1,1205)	1:D:68:PRO:CB	1:D:70:ARG:C	7	0.24
(1,1151)	1:D:115:PRO:CG	1:D:115:PRO:CB	4	0.24
(1,1151)	1:D:115:PRO:CG	1:D:115:PRO:CB	8	0.24
(1,1150)	1:D:115:PRO:CG	1:D:115:PRO:CB	4	0.24
(1,1150)	1:D:115:PRO:CG	1:D:115:PRO:CB	8	0.24
(1,115)	1:A:48:ARG:CB	1:A:48:ARG:CA	3	0.24
(1,115)	1:A:48:ARG:CB	1:A:48:ARG:CA	4	0.24
(1,115)	1:A:48:ARG:CB	1:A:48:ARG:CA	9	0.24
(1,115)	1:A:48:ARG:CB	1:A:48:ARG:CA	10	0.24
(1,113)	1:A:115:PRO:CB	1:A:115:PRO:CA	7	0.24
(1,113)	1:A:149:ILE:CG1	1:A:150:PHE:CA	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:A:151:ILE:CG1	1:A:150:PHE:CA	7	0.24
(1,113)	1:A:160:VAL:CB	1:A:162:ILE:CA	7	0.24
(1,1038)	1:D:88:THR:CA	1:D:87:LEU:C	5	0.24
(1,1038)	1:D:121:PRO:CA	1:D:121:PRO:C	5	0.24
(1,1038)	1:D:88:THR:CA	1:D:87:LEU:C	6	0.24
(1,1038)	1:D:121:PRO:CA	1:D:121:PRO:C	6	0.24
(1,1038)	1:D:88:THR:CA	1:D:87:LEU:C	10	0.24
(1,1038)	1:D:121:PRO:CA	1:D:121:PRO:C	10	0.24
(1,990)	1:D:70:ARG:CA	1:D:68:PRO:C	2	0.23
(1,990)	1:D:70:ARG:CA	1:D:70:ARG:C	2	0.23
(1,971)	1:D:123:VAL:CA	1:D:121:PRO:C	1	0.23
(1,971)	1:D:45:ILE:CA	1:D:43:LEU:C	1	0.23
(1,971)	1:D:45:ILE:CA	1:D:45:ILE:C	1	0.23
(1,971)	1:D:123:VAL:CA	1:D:121:PRO:C	2	0.23
(1,971)	1:D:45:ILE:CA	1:D:43:LEU:C	2	0.23
(1,971)	1:D:45:ILE:CA	1:D:45:ILE:C	2	0.23
(1,971)	1:D:123:VAL:CA	1:D:121:PRO:C	3	0.23
(1,971)	1:D:45:ILE:CA	1:D:43:LEU:C	3	0.23
(1,971)	1:D:45:ILE:CA	1:D:45:ILE:C	3	0.23
(1,971)	1:D:123:VAL:CA	1:D:121:PRO:C	4	0.23
(1,971)	1:D:45:ILE:CA	1:D:43:LEU:C	4	0.23
(1,971)	1:D:45:ILE:CA	1:D:45:ILE:C	4	0.23
(1,971)	1:D:123:VAL:CA	1:D:121:PRO:C	5	0.23
(1,971)	1:D:45:ILE:CA	1:D:43:LEU:C	5	0.23
(1,971)	1:D:45:ILE:CA	1:D:45:ILE:C	5	0.23
(1,971)	1:D:123:VAL:CA	1:D:121:PRO:C	6	0.23
(1,971)	1:D:45:ILE:CA	1:D:43:LEU:C	6	0.23
(1,971)	1:D:45:ILE:CA	1:D:45:ILE:C	6	0.23
(1,971)	1:D:123:VAL:CA	1:D:121:PRO:C	7	0.23
(1,971)	1:D:45:ILE:CA	1:D:43:LEU:C	7	0.23
(1,971)	1:D:45:ILE:CA	1:D:45:ILE:C	7	0.23
(1,971)	1:D:123:VAL:CA	1:D:121:PRO:C	8	0.23
(1,971)	1:D:45:ILE:CA	1:D:43:LEU:C	8	0.23
(1,971)	1:D:45:ILE:CA	1:D:45:ILE:C	8	0.23
(1,971)	1:D:123:VAL:CA	1:D:121:PRO:C	9	0.23
(1,971)	1:D:45:ILE:CA	1:D:43:LEU:C	9	0.23
(1,971)	1:D:45:ILE:CA	1:D:45:ILE:C	9	0.23
(1,971)	1:D:123:VAL:CA	1:D:121:PRO:C	10	0.23
(1,971)	1:D:45:ILE:CA	1:D:43:LEU:C	10	0.23
(1,971)	1:D:45:ILE:CA	1:D:45:ILE:C	10	0.23
(1,97)	1:A:93:MET:CB	1:A:93:MET:CA	1	0.23
(1,97)	1:A:93:MET:CB	1:A:93:MET:CA	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,97)	1:A:93:MET:CB	1:A:93:MET:CA	6	0.23
(1,97)	1:A:93:MET:CB	1:A:93:MET:CA	7	0.23
(1,97)	1:A:93:MET:CB	1:A:93:MET:CA	8	0.23
(1,97)	1:A:93:MET:CB	1:A:93:MET:CA	9	0.23
(1,850)	1:D:60:ILE:CG1	1:D:60:ILE:CB	1	0.23
(1,850)	1:D:60:ILE:CG1	1:D:60:ILE:CB	2	0.23
(1,850)	1:D:60:ILE:CG1	1:D:60:ILE:CB	3	0.23
(1,850)	1:D:60:ILE:CG1	1:D:60:ILE:CB	4	0.23
(1,850)	1:D:60:ILE:CG1	1:D:60:ILE:CB	5	0.23
(1,850)	1:D:60:ILE:CG1	1:D:60:ILE:CB	6	0.23
(1,850)	1:D:60:ILE:CG1	1:D:60:ILE:CB	7	0.23
(1,850)	1:D:60:ILE:CG1	1:D:60:ILE:CB	8	0.23
(1,850)	1:D:60:ILE:CG1	1:D:60:ILE:CB	9	0.23
(1,850)	1:D:60:ILE:CG1	1:D:60:ILE:CB	10	0.23
(1,849)	1:D:149:ILE:CG1	1:D:149:ILE:CB	3	0.23
(1,849)	1:D:149:ILE:CG1	1:D:149:ILE:CB	4	0.23
(1,849)	1:D:149:ILE:CG1	1:D:149:ILE:CB	7	0.23
(1,849)	1:D:149:ILE:CG1	1:D:149:ILE:CB	8	0.23
(1,849)	1:D:149:ILE:CG1	1:D:149:ILE:CB	10	0.23
(1,835)	1:D:48:ARG:CG	1:D:48:ARG:CD	1	0.23
(1,835)	1:D:48:ARG:CG	1:D:48:ARG:CD	6	0.23
(1,835)	1:D:48:ARG:CG	1:D:48:ARG:CD	8	0.23
(1,835)	1:D:48:ARG:CG	1:D:48:ARG:CD	9	0.23
(1,813)	1:D:25:LEU:CG	1:D:26:GLU:CA	2	0.23
(1,813)	1:D:26:GLU:CB	1:D:26:GLU:CA	2	0.23
(1,813)	1:D:27:LEU:CG	1:D:26:GLU:CA	2	0.23
(1,813)	1:D:25:LEU:CG	1:D:26:GLU:CA	3	0.23
(1,813)	1:D:26:GLU:CB	1:D:26:GLU:CA	3	0.23
(1,813)	1:D:27:LEU:CG	1:D:26:GLU:CA	3	0.23
(1,780)	1:D:115:PRO:CB	1:D:115:PRO:CA	3	0.23
(1,780)	1:D:149:ILE:CG1	1:D:150:PHE:CA	3	0.23
(1,780)	1:D:151:ILE:CG1	1:D:150:PHE:CA	3	0.23
(1,780)	1:D:160:VAL:CB	1:D:162:ILE:CA	3	0.23
(1,767)	1:D:68:PRO:CB	1:D:68:PRO:CA	2	0.23
(1,76)	1:A:68:PRO:CB	1:A:68:PRO:CA	3	0.23
(1,76)	1:A:68:PRO:CB	1:A:68:PRO:CA	4	0.23
(1,748)	1:D:76:ILE:CG1	1:D:76:ILE:CA	2	0.23
(1,748)	1:D:72:VAL:CB	1:D:72:VAL:CA	2	0.23
(1,748)	1:D:75:VAL:CB	1:D:76:ILE:CA	2	0.23
(1,748)	1:D:76:ILE:CG1	1:D:76:ILE:CA	3	0.23
(1,748)	1:D:72:VAL:CB	1:D:72:VAL:CA	3	0.23
(1,748)	1:D:75:VAL:CB	1:D:76:ILE:CA	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,748)	1:D:76:ILE:CG1	1:D:76:ILE:CA	4	0.23
(1,748)	1:D:72:VAL:CB	1:D:72:VAL:CA	4	0.23
(1,748)	1:D:75:VAL:CB	1:D:76:ILE:CA	4	0.23
(1,748)	1:D:76:ILE:CG1	1:D:76:ILE:CA	5	0.23
(1,748)	1:D:72:VAL:CB	1:D:72:VAL:CA	5	0.23
(1,748)	1:D:75:VAL:CB	1:D:76:ILE:CA	5	0.23
(1,748)	1:D:76:ILE:CG1	1:D:76:ILE:CA	6	0.23
(1,748)	1:D:72:VAL:CB	1:D:72:VAL:CA	6	0.23
(1,748)	1:D:75:VAL:CB	1:D:76:ILE:CA	6	0.23
(1,748)	1:D:76:ILE:CG1	1:D:76:ILE:CA	8	0.23
(1,748)	1:D:72:VAL:CB	1:D:72:VAL:CA	8	0.23
(1,748)	1:D:75:VAL:CB	1:D:76:ILE:CA	8	0.23
(1,748)	1:D:76:ILE:CG1	1:D:76:ILE:CA	10	0.23
(1,748)	1:D:72:VAL:CB	1:D:72:VAL:CA	10	0.23
(1,748)	1:D:75:VAL:CB	1:D:76:ILE:CA	10	0.23
(1,746)	1:D:120:VAL:CB	1:D:121:PRO:CA	1	0.23
(1,746)	1:D:121:PRO:CB	1:D:121:PRO:CA	1	0.23
(1,746)	1:D:120:VAL:CB	1:D:121:PRO:CA	2	0.23
(1,746)	1:D:121:PRO:CB	1:D:121:PRO:CA	2	0.23
(1,746)	1:D:120:VAL:CB	1:D:121:PRO:CA	3	0.23
(1,746)	1:D:121:PRO:CB	1:D:121:PRO:CA	3	0.23
(1,746)	1:D:120:VAL:CB	1:D:121:PRO:CA	5	0.23
(1,746)	1:D:121:PRO:CB	1:D:121:PRO:CA	5	0.23
(1,746)	1:D:120:VAL:CB	1:D:121:PRO:CA	7	0.23
(1,746)	1:D:121:PRO:CB	1:D:121:PRO:CA	7	0.23
(1,746)	1:D:120:VAL:CB	1:D:121:PRO:CA	8	0.23
(1,746)	1:D:121:PRO:CB	1:D:121:PRO:CA	8	0.23
(1,746)	1:D:120:VAL:CB	1:D:121:PRO:CA	9	0.23
(1,746)	1:D:121:PRO:CB	1:D:121:PRO:CA	9	0.23
(1,743)	1:D:68:PRO:CB	1:D:68:PRO:CA	2	0.23
(1,718)	1:D:105:ASP:CB	1:D:105:ASP:CA	7	0.23
(1,715)	1:D:60:ILE:CB	1:D:60:ILE:CA	5	0.23
(1,715)	1:D:151:ILE:CB	1:D:150:PHE:CA	5	0.23
(1,715)	1:D:151:ILE:CB	1:D:153:TYR:CA	5	0.23
(1,714)	1:D:151:ILE:CB	1:D:151:ILE:CA	1	0.23
(1,714)	1:D:151:ILE:CB	1:D:151:ILE:CA	2	0.23
(1,714)	1:D:151:ILE:CB	1:D:151:ILE:CA	3	0.23
(1,714)	1:D:151:ILE:CB	1:D:151:ILE:CA	5	0.23
(1,714)	1:D:151:ILE:CB	1:D:151:ILE:CA	6	0.23
(1,714)	1:D:151:ILE:CB	1:D:151:ILE:CA	7	0.23
(1,714)	1:D:151:ILE:CB	1:D:151:ILE:CA	8	0.23
(1,714)	1:D:151:ILE:CB	1:D:151:ILE:CA	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,664)	1:A:86:GLN:CB	1:A:86:GLN:CG	1	0.23
(1,664)	1:A:86:GLN:CB	1:A:86:GLN:CG	4	0.23
(1,664)	1:A:86:GLN:CB	1:A:86:GLN:CG	7	0.23
(1,644)	1:A:151:ILE:CD1	1:A:151:ILE:CG1	9	0.23
(1,619)	1:A:44:CYS:CA	1:A:44:CYS:C	1	0.23
(1,619)	1:A:78:LEU:CA	1:A:77:TRP:C	1	0.23
(1,619)	1:A:78:LEU:CA	1:A:79:TYR:C	1	0.23
(1,619)	1:A:70:ARG:CA	1:A:68:PRO:C	1	0.23
(1,619)	1:A:87:LEU:CA	1:A:84:GLY:C	1	0.23
(1,619)	1:A:44:CYS:CA	1:A:44:CYS:C	5	0.23
(1,619)	1:A:78:LEU:CA	1:A:77:TRP:C	5	0.23
(1,619)	1:A:78:LEU:CA	1:A:79:TYR:C	5	0.23
(1,619)	1:A:70:ARG:CA	1:A:68:PRO:C	5	0.23
(1,619)	1:A:87:LEU:CA	1:A:84:GLY:C	5	0.23
(1,619)	1:A:44:CYS:CA	1:A:44:CYS:C	8	0.23
(1,619)	1:A:78:LEU:CA	1:A:77:TRP:C	8	0.23
(1,619)	1:A:78:LEU:CA	1:A:79:TYR:C	8	0.23
(1,619)	1:A:70:ARG:CA	1:A:68:PRO:C	8	0.23
(1,619)	1:A:87:LEU:CA	1:A:84:GLY:C	8	0.23
(1,609)	1:A:122:GLN:CA	1:A:122:GLN:C	3	0.23
(1,609)	1:A:23:LEU:CA	1:A:21:THR:C	3	0.23
(1,609)	1:A:55:LEU:CA	1:A:56:GLY:C	3	0.23
(1,486)	1:A:68:PRO:CG	1:A:68:PRO:CB	2	0.23
(1,486)	1:A:68:PRO:CG	1:A:68:PRO:CB	3	0.23
(1,486)	1:A:68:PRO:CG	1:A:68:PRO:CB	6	0.23
(1,486)	1:A:68:PRO:CG	1:A:68:PRO:CB	7	0.23
(1,486)	1:A:68:PRO:CG	1:A:68:PRO:CB	10	0.23
(1,485)	1:A:68:PRO:CG	1:A:68:PRO:CB	2	0.23
(1,485)	1:A:68:PRO:CG	1:A:68:PRO:CB	3	0.23
(1,485)	1:A:68:PRO:CG	1:A:68:PRO:CB	6	0.23
(1,485)	1:A:68:PRO:CG	1:A:68:PRO:CB	7	0.23
(1,485)	1:A:68:PRO:CG	1:A:68:PRO:CB	10	0.23
(1,484)	1:A:115:PRO:CG	1:A:115:PRO:CB	2	0.23
(1,484)	1:A:115:PRO:CG	1:A:115:PRO:CB	4	0.23
(1,484)	1:A:115:PRO:CG	1:A:115:PRO:CB	5	0.23
(1,484)	1:A:115:PRO:CG	1:A:115:PRO:CB	6	0.23
(1,483)	1:A:115:PRO:CG	1:A:115:PRO:CB	2	0.23
(1,483)	1:A:115:PRO:CG	1:A:115:PRO:CB	4	0.23
(1,483)	1:A:115:PRO:CG	1:A:115:PRO:CB	5	0.23
(1,483)	1:A:115:PRO:CG	1:A:115:PRO:CB	6	0.23
(1,47)	1:A:151:ILE:CB	1:A:151:ILE:CA	1	0.23
(1,47)	1:A:151:ILE:CB	1:A:151:ILE:CA	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,47)	1:A:151:ILE:CB	1:A:151:ILE:CA	3	0.23
(1,47)	1:A:151:ILE:CB	1:A:151:ILE:CA	4	0.23
(1,47)	1:A:151:ILE:CB	1:A:151:ILE:CA	5	0.23
(1,47)	1:A:151:ILE:CB	1:A:151:ILE:CA	6	0.23
(1,47)	1:A:151:ILE:CB	1:A:151:ILE:CA	7	0.23
(1,47)	1:A:151:ILE:CB	1:A:151:ILE:CA	8	0.23
(1,47)	1:A:151:ILE:CB	1:A:151:ILE:CA	9	0.23
(1,47)	1:A:151:ILE:CB	1:A:151:ILE:CA	10	0.23
(1,320)	1:A:77:TRP:CA	1:A:74:MET:C	1	0.23
(1,320)	1:A:34:HIS:CA	1:A:33:GLN:C	1	0.23
(1,320)	1:A:44:CYS:CA	1:A:44:CYS:C	1	0.23
(1,320)	1:A:46:TYR:CA	1:A:44:CYS:C	1	0.23
(1,320)	1:A:77:TRP:CA	1:A:74:MET:C	5	0.23
(1,320)	1:A:34:HIS:CA	1:A:33:GLN:C	5	0.23
(1,320)	1:A:44:CYS:CA	1:A:44:CYS:C	5	0.23
(1,320)	1:A:46:TYR:CA	1:A:44:CYS:C	5	0.23
(1,320)	1:A:77:TRP:CA	1:A:74:MET:C	8	0.23
(1,320)	1:A:34:HIS:CA	1:A:33:GLN:C	8	0.23
(1,320)	1:A:44:CYS:CA	1:A:44:CYS:C	8	0.23
(1,320)	1:A:46:TYR:CA	1:A:44:CYS:C	8	0.23
(1,304)	1:A:123:VAL:CA	1:A:121:PRO:C	4	0.23
(1,304)	1:A:45:ILE:CA	1:A:43:LEU:C	4	0.23
(1,304)	1:A:45:ILE:CA	1:A:45:ILE:C	4	0.23
(1,304)	1:A:123:VAL:CA	1:A:121:PRO:C	10	0.23
(1,304)	1:A:45:ILE:CA	1:A:43:LEU:C	10	0.23
(1,304)	1:A:45:ILE:CA	1:A:45:ILE:C	10	0.23
(1,183)	1:A:60:ILE:CG1	1:A:60:ILE:CB	1	0.23
(1,183)	1:A:60:ILE:CG1	1:A:60:ILE:CB	2	0.23
(1,183)	1:A:60:ILE:CG1	1:A:60:ILE:CB	3	0.23
(1,183)	1:A:60:ILE:CG1	1:A:60:ILE:CB	4	0.23
(1,183)	1:A:60:ILE:CG1	1:A:60:ILE:CB	5	0.23
(1,183)	1:A:60:ILE:CG1	1:A:60:ILE:CB	6	0.23
(1,183)	1:A:60:ILE:CG1	1:A:60:ILE:CB	7	0.23
(1,183)	1:A:60:ILE:CG1	1:A:60:ILE:CB	8	0.23
(1,183)	1:A:60:ILE:CG1	1:A:60:ILE:CB	9	0.23
(1,182)	1:A:149:ILE:CG1	1:A:149:ILE:CB	1	0.23
(1,182)	1:A:149:ILE:CG1	1:A:149:ILE:CB	2	0.23
(1,182)	1:A:149:ILE:CG1	1:A:149:ILE:CB	4	0.23
(1,182)	1:A:149:ILE:CG1	1:A:149:ILE:CB	6	0.23
(1,182)	1:A:149:ILE:CG1	1:A:149:ILE:CB	7	0.23
(1,182)	1:A:149:ILE:CG1	1:A:149:ILE:CB	8	0.23
(1,182)	1:A:149:ILE:CG1	1:A:149:ILE:CB	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,182)	1:A:149:ILE:CG1	1:A:149:ILE:CB	10	0.23
(1,168)	1:A:48:ARG:CG	1:A:48:ARG:CD	2	0.23
(1,168)	1:A:48:ARG:CG	1:A:48:ARG:CD	5	0.23
(1,168)	1:A:48:ARG:CG	1:A:48:ARG:CD	6	0.23
(1,168)	1:A:48:ARG:CG	1:A:48:ARG:CD	7	0.23
(1,1331)	1:D:86:GLN:CB	1:D:86:GLN:CG	1	0.23
(1,1331)	1:D:86:GLN:CB	1:D:86:GLN:CG	2	0.23
(1,1331)	1:D:86:GLN:CB	1:D:86:GLN:CG	3	0.23
(1,1331)	1:D:86:GLN:CB	1:D:86:GLN:CG	4	0.23
(1,1331)	1:D:86:GLN:CB	1:D:86:GLN:CG	5	0.23
(1,1331)	1:D:86:GLN:CB	1:D:86:GLN:CG	6	0.23
(1,1331)	1:D:86:GLN:CB	1:D:86:GLN:CG	7	0.23
(1,1331)	1:D:86:GLN:CB	1:D:86:GLN:CG	8	0.23
(1,1331)	1:D:86:GLN:CB	1:D:86:GLN:CG	9	0.23
(1,1331)	1:D:86:GLN:CB	1:D:86:GLN:CG	10	0.23
(1,1285)	1:D:78:LEU:CA	1:D:79:TYR:C	2	0.23
(1,1285)	1:D:70:ARG:CA	1:D:70:ARG:C	2	0.23
(1,1285)	1:D:87:LEU:CA	1:D:85:VAL:C	2	0.23
(1,1285)	1:D:23:LEU:CA	1:D:20:PHE:C	2	0.23
(1,1276)	1:D:122:GLN:CA	1:D:122:GLN:C	1	0.23
(1,1276)	1:D:23:LEU:CA	1:D:21:THR:C	1	0.23
(1,1276)	1:D:55:LEU:CA	1:D:56:GLY:C	1	0.23
(1,1276)	1:D:122:GLN:CA	1:D:122:GLN:C	2	0.23
(1,1276)	1:D:23:LEU:CA	1:D:21:THR:C	2	0.23
(1,1276)	1:D:55:LEU:CA	1:D:56:GLY:C	2	0.23
(1,1276)	1:D:122:GLN:CA	1:D:122:GLN:C	3	0.23
(1,1276)	1:D:23:LEU:CA	1:D:21:THR:C	3	0.23
(1,1276)	1:D:55:LEU:CA	1:D:56:GLY:C	3	0.23
(1,1276)	1:D:122:GLN:CA	1:D:122:GLN:C	4	0.23
(1,1276)	1:D:23:LEU:CA	1:D:21:THR:C	4	0.23
(1,1276)	1:D:55:LEU:CA	1:D:56:GLY:C	4	0.23
(1,1276)	1:D:122:GLN:CA	1:D:122:GLN:C	5	0.23
(1,1276)	1:D:23:LEU:CA	1:D:21:THR:C	5	0.23
(1,1276)	1:D:55:LEU:CA	1:D:56:GLY:C	5	0.23
(1,1276)	1:D:122:GLN:CA	1:D:122:GLN:C	6	0.23
(1,1276)	1:D:23:LEU:CA	1:D:21:THR:C	6	0.23
(1,1276)	1:D:55:LEU:CA	1:D:56:GLY:C	6	0.23
(1,1276)	1:D:122:GLN:CA	1:D:122:GLN:C	7	0.23
(1,1276)	1:D:23:LEU:CA	1:D:21:THR:C	7	0.23
(1,1276)	1:D:55:LEU:CA	1:D:56:GLY:C	7	0.23
(1,1276)	1:D:122:GLN:CA	1:D:122:GLN:C	8	0.23
(1,1276)	1:D:23:LEU:CA	1:D:21:THR:C	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1276)	1:D:55:LEU:CA	1:D:56:GLY:C	8	0.23
(1,1272)	1:D:26:GLU:CA	1:D:22:ALA:C	3	0.23
(1,1272)	1:D:26:GLU:CA	1:D:26:GLU:C	3	0.23
(1,1272)	1:D:26:GLU:CA	1:D:29:ALA:C	3	0.23
(1,1272)	1:D:47:GLU:CA	1:D:45:ILE:C	3	0.23
(1,1272)	1:D:47:GLU:CA	1:D:50:ALA:C	3	0.23
(1,1272)	1:D:26:GLU:CA	1:D:22:ALA:C	5	0.23
(1,1272)	1:D:26:GLU:CA	1:D:26:GLU:C	5	0.23
(1,1272)	1:D:26:GLU:CA	1:D:29:ALA:C	5	0.23
(1,1272)	1:D:47:GLU:CA	1:D:45:ILE:C	5	0.23
(1,1272)	1:D:47:GLU:CA	1:D:50:ALA:C	5	0.23
(1,1272)	1:D:26:GLU:CA	1:D:22:ALA:C	6	0.23
(1,1272)	1:D:26:GLU:CA	1:D:26:GLU:C	6	0.23
(1,1272)	1:D:26:GLU:CA	1:D:29:ALA:C	6	0.23
(1,1272)	1:D:47:GLU:CA	1:D:45:ILE:C	6	0.23
(1,1272)	1:D:47:GLU:CA	1:D:50:ALA:C	6	0.23
(1,1272)	1:D:26:GLU:CA	1:D:22:ALA:C	9	0.23
(1,1272)	1:D:26:GLU:CA	1:D:26:GLU:C	9	0.23
(1,1272)	1:D:26:GLU:CA	1:D:29:ALA:C	9	0.23
(1,1272)	1:D:47:GLU:CA	1:D:45:ILE:C	9	0.23
(1,1272)	1:D:47:GLU:CA	1:D:50:ALA:C	9	0.23
(1,1256)	1:D:21:THR:CA	1:D:21:THR:C	1	0.23
(1,1256)	1:D:21:THR:CA	1:D:21:THR:C	2	0.23
(1,1256)	1:D:21:THR:CA	1:D:21:THR:C	6	0.23
(1,1256)	1:D:21:THR:CA	1:D:21:THR:C	7	0.23
(1,1256)	1:D:21:THR:CA	1:D:21:THR:C	8	0.23
(1,1256)	1:D:21:THR:CA	1:D:21:THR:C	9	0.23
(1,1256)	1:D:21:THR:CA	1:D:21:THR:C	10	0.23
(1,1205)	1:D:68:PRO:CB	1:D:70:ARG:C	1	0.23
(1,1151)	1:D:115:PRO:CG	1:D:115:PRO:CB	1	0.23
(1,1151)	1:D:115:PRO:CG	1:D:115:PRO:CB	2	0.23
(1,1151)	1:D:115:PRO:CG	1:D:115:PRO:CB	3	0.23
(1,1151)	1:D:115:PRO:CG	1:D:115:PRO:CB	5	0.23
(1,1151)	1:D:115:PRO:CG	1:D:115:PRO:CB	6	0.23
(1,1151)	1:D:115:PRO:CG	1:D:115:PRO:CB	7	0.23
(1,1151)	1:D:115:PRO:CG	1:D:115:PRO:CB	9	0.23
(1,1151)	1:D:115:PRO:CG	1:D:115:PRO:CB	10	0.23
(1,1150)	1:D:115:PRO:CG	1:D:115:PRO:CB	1	0.23
(1,1150)	1:D:115:PRO:CG	1:D:115:PRO:CB	2	0.23
(1,1150)	1:D:115:PRO:CG	1:D:115:PRO:CB	3	0.23
(1,1150)	1:D:115:PRO:CG	1:D:115:PRO:CB	5	0.23
(1,1150)	1:D:115:PRO:CG	1:D:115:PRO:CB	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1150)	1:D:115:PRO:CG	1:D:115:PRO:CB	7	0.23
(1,1150)	1:D:115:PRO:CG	1:D:115:PRO:CB	9	0.23
(1,1150)	1:D:115:PRO:CG	1:D:115:PRO:CB	10	0.23
(1,115)	1:A:48:ARG:CB	1:A:48:ARG:CA	1	0.23
(1,115)	1:A:48:ARG:CB	1:A:48:ARG:CA	2	0.23
(1,115)	1:A:48:ARG:CB	1:A:48:ARG:CA	5	0.23
(1,115)	1:A:48:ARG:CB	1:A:48:ARG:CA	6	0.23
(1,115)	1:A:48:ARG:CB	1:A:48:ARG:CA	7	0.23
(1,115)	1:A:48:ARG:CB	1:A:48:ARG:CA	8	0.23
(1,1036)	1:D:76:ILE:CA	1:D:78:LEU:C	1	0.23
(1,1036)	1:D:149:ILE:CA	1:D:149:ILE:C	1	0.23
(1,1036)	1:D:151:ILE:CA	1:D:149:ILE:C	1	0.23
(1,1036)	1:D:21:THR:CA	1:D:23:LEU:C	1	0.23
(1,1036)	1:D:76:ILE:CA	1:D:78:LEU:C	3	0.23
(1,1036)	1:D:149:ILE:CA	1:D:149:ILE:C	3	0.23
(1,1036)	1:D:151:ILE:CA	1:D:149:ILE:C	3	0.23
(1,1036)	1:D:21:THR:CA	1:D:23:LEU:C	3	0.23
(1,1036)	1:D:76:ILE:CA	1:D:78:LEU:C	4	0.23
(1,1036)	1:D:149:ILE:CA	1:D:149:ILE:C	4	0.23
(1,1036)	1:D:151:ILE:CA	1:D:149:ILE:C	4	0.23
(1,1036)	1:D:21:THR:CA	1:D:23:LEU:C	4	0.23
(1,1036)	1:D:76:ILE:CA	1:D:78:LEU:C	5	0.23
(1,1036)	1:D:149:ILE:CA	1:D:149:ILE:C	5	0.23
(1,1036)	1:D:151:ILE:CA	1:D:149:ILE:C	5	0.23
(1,1036)	1:D:21:THR:CA	1:D:23:LEU:C	5	0.23
(1,1036)	1:D:76:ILE:CA	1:D:78:LEU:C	6	0.23
(1,1036)	1:D:149:ILE:CA	1:D:149:ILE:C	6	0.23
(1,1036)	1:D:151:ILE:CA	1:D:149:ILE:C	6	0.23
(1,1036)	1:D:21:THR:CA	1:D:23:LEU:C	6	0.23
(1,1036)	1:D:76:ILE:CA	1:D:78:LEU:C	8	0.23
(1,1036)	1:D:149:ILE:CA	1:D:149:ILE:C	8	0.23
(1,1036)	1:D:151:ILE:CA	1:D:149:ILE:C	8	0.23
(1,1036)	1:D:21:THR:CA	1:D:23:LEU:C	8	0.23
(1,1036)	1:D:76:ILE:CA	1:D:78:LEU:C	9	0.23
(1,1036)	1:D:149:ILE:CA	1:D:149:ILE:C	9	0.23
(1,1036)	1:D:151:ILE:CA	1:D:149:ILE:C	9	0.23
(1,1036)	1:D:21:THR:CA	1:D:23:LEU:C	9	0.23
(1,1036)	1:D:76:ILE:CA	1:D:78:LEU:C	10	0.23
(1,1036)	1:D:149:ILE:CA	1:D:149:ILE:C	10	0.23
(1,1036)	1:D:151:ILE:CA	1:D:149:ILE:C	10	0.23
(1,1036)	1:D:21:THR:CA	1:D:23:LEU:C	10	0.23
(1,100)	1:A:68:PRO:CB	1:A:68:PRO:CA	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:A:68:PRO:CB	1:A:68:PRO:CA	4	0.23
(1,990)	1:D:70:ARG:CA	1:D:68:PRO:C	1	0.22
(1,990)	1:D:70:ARG:CA	1:D:70:ARG:C	1	0.22
(1,990)	1:D:70:ARG:CA	1:D:68:PRO:C	6	0.22
(1,990)	1:D:70:ARG:CA	1:D:70:ARG:C	6	0.22
(1,987)	1:D:77:TRP:CA	1:D:74:MET:C	1	0.22
(1,987)	1:D:34:HIS:CA	1:D:33:GLN:C	1	0.22
(1,987)	1:D:44:CYS:CA	1:D:44:CYS:C	1	0.22
(1,987)	1:D:46:TYR:CA	1:D:44:CYS:C	1	0.22
(1,987)	1:D:77:TRP:CA	1:D:74:MET:C	2	0.22
(1,987)	1:D:34:HIS:CA	1:D:33:GLN:C	2	0.22
(1,987)	1:D:44:CYS:CA	1:D:44:CYS:C	2	0.22
(1,987)	1:D:46:TYR:CA	1:D:44:CYS:C	2	0.22
(1,987)	1:D:77:TRP:CA	1:D:74:MET:C	3	0.22
(1,987)	1:D:34:HIS:CA	1:D:33:GLN:C	3	0.22
(1,987)	1:D:44:CYS:CA	1:D:44:CYS:C	3	0.22
(1,987)	1:D:46:TYR:CA	1:D:44:CYS:C	3	0.22
(1,987)	1:D:77:TRP:CA	1:D:74:MET:C	4	0.22
(1,987)	1:D:34:HIS:CA	1:D:33:GLN:C	4	0.22
(1,987)	1:D:44:CYS:CA	1:D:44:CYS:C	4	0.22
(1,987)	1:D:46:TYR:CA	1:D:44:CYS:C	4	0.22
(1,987)	1:D:77:TRP:CA	1:D:74:MET:C	6	0.22
(1,987)	1:D:34:HIS:CA	1:D:33:GLN:C	6	0.22
(1,987)	1:D:44:CYS:CA	1:D:44:CYS:C	6	0.22
(1,987)	1:D:46:TYR:CA	1:D:44:CYS:C	6	0.22
(1,987)	1:D:77:TRP:CA	1:D:74:MET:C	8	0.22
(1,987)	1:D:34:HIS:CA	1:D:33:GLN:C	8	0.22
(1,987)	1:D:44:CYS:CA	1:D:44:CYS:C	8	0.22
(1,987)	1:D:46:TYR:CA	1:D:44:CYS:C	8	0.22
(1,849)	1:D:149:ILE:CG1	1:D:149:ILE:CB	1	0.22
(1,849)	1:D:149:ILE:CG1	1:D:149:ILE:CB	2	0.22
(1,849)	1:D:149:ILE:CG1	1:D:149:ILE:CB	6	0.22
(1,849)	1:D:149:ILE:CG1	1:D:149:ILE:CB	9	0.22
(1,843)	1:D:154:LEU:CG	1:D:154:LEU:CB	1	0.22
(1,843)	1:D:159:LEU:CG	1:D:159:LEU:CB	1	0.22
(1,843)	1:D:23:LEU:CG	1:D:23:LEU:CB	1	0.22
(1,843)	1:D:27:LEU:CG	1:D:27:LEU:CB	1	0.22
(1,843)	1:D:30:LEU:CG	1:D:30:LEU:CB	1	0.22
(1,843)	1:D:51:LEU:CG	1:D:51:LEU:CB	1	0.22
(1,843)	1:D:16:LEU:CG	1:D:16:LEU:CB	1	0.22
(1,843)	1:D:87:LEU:CG	1:D:87:LEU:CB	1	0.22
(1,843)	1:D:17:LEU:CG	1:D:17:LEU:CB	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:D:154:LEU:CG	1:D:154:LEU:CB	2	0.22
(1,843)	1:D:159:LEU:CG	1:D:159:LEU:CB	2	0.22
(1,843)	1:D:23:LEU:CG	1:D:23:LEU:CB	2	0.22
(1,843)	1:D:27:LEU:CG	1:D:27:LEU:CB	2	0.22
(1,843)	1:D:30:LEU:CG	1:D:30:LEU:CB	2	0.22
(1,843)	1:D:51:LEU:CG	1:D:51:LEU:CB	2	0.22
(1,843)	1:D:16:LEU:CG	1:D:16:LEU:CB	2	0.22
(1,843)	1:D:87:LEU:CG	1:D:87:LEU:CB	2	0.22
(1,843)	1:D:17:LEU:CG	1:D:17:LEU:CB	2	0.22
(1,843)	1:D:154:LEU:CG	1:D:154:LEU:CB	3	0.22
(1,843)	1:D:159:LEU:CG	1:D:159:LEU:CB	3	0.22
(1,843)	1:D:23:LEU:CG	1:D:23:LEU:CB	3	0.22
(1,843)	1:D:27:LEU:CG	1:D:27:LEU:CB	3	0.22
(1,843)	1:D:30:LEU:CG	1:D:30:LEU:CB	3	0.22
(1,843)	1:D:51:LEU:CG	1:D:51:LEU:CB	3	0.22
(1,843)	1:D:16:LEU:CG	1:D:16:LEU:CB	3	0.22
(1,843)	1:D:87:LEU:CG	1:D:87:LEU:CB	3	0.22
(1,843)	1:D:17:LEU:CG	1:D:17:LEU:CB	3	0.22
(1,843)	1:D:154:LEU:CG	1:D:154:LEU:CB	4	0.22
(1,843)	1:D:159:LEU:CG	1:D:159:LEU:CB	4	0.22
(1,843)	1:D:23:LEU:CG	1:D:23:LEU:CB	4	0.22
(1,843)	1:D:27:LEU:CG	1:D:27:LEU:CB	4	0.22
(1,843)	1:D:30:LEU:CG	1:D:30:LEU:CB	4	0.22
(1,843)	1:D:51:LEU:CG	1:D:51:LEU:CB	4	0.22
(1,843)	1:D:16:LEU:CG	1:D:16:LEU:CB	4	0.22
(1,843)	1:D:87:LEU:CG	1:D:87:LEU:CB	4	0.22
(1,843)	1:D:17:LEU:CG	1:D:17:LEU:CB	4	0.22
(1,843)	1:D:154:LEU:CG	1:D:154:LEU:CB	5	0.22
(1,843)	1:D:159:LEU:CG	1:D:159:LEU:CB	5	0.22
(1,843)	1:D:23:LEU:CG	1:D:23:LEU:CB	5	0.22
(1,843)	1:D:27:LEU:CG	1:D:27:LEU:CB	5	0.22
(1,843)	1:D:30:LEU:CG	1:D:30:LEU:CB	5	0.22
(1,843)	1:D:51:LEU:CG	1:D:51:LEU:CB	5	0.22
(1,843)	1:D:16:LEU:CG	1:D:16:LEU:CB	5	0.22
(1,843)	1:D:87:LEU:CG	1:D:87:LEU:CB	5	0.22
(1,843)	1:D:17:LEU:CG	1:D:17:LEU:CB	5	0.22
(1,843)	1:D:154:LEU:CG	1:D:154:LEU:CB	6	0.22
(1,843)	1:D:159:LEU:CG	1:D:159:LEU:CB	6	0.22
(1,843)	1:D:23:LEU:CG	1:D:23:LEU:CB	6	0.22
(1,843)	1:D:27:LEU:CG	1:D:27:LEU:CB	6	0.22
(1,843)	1:D:30:LEU:CG	1:D:30:LEU:CB	6	0.22
(1,843)	1:D:51:LEU:CG	1:D:51:LEU:CB	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:D:16:LEU:CG	1:D:16:LEU:CB	6	0.22
(1,843)	1:D:87:LEU:CG	1:D:87:LEU:CB	6	0.22
(1,843)	1:D:17:LEU:CG	1:D:17:LEU:CB	6	0.22
(1,843)	1:D:154:LEU:CG	1:D:154:LEU:CB	7	0.22
(1,843)	1:D:159:LEU:CG	1:D:159:LEU:CB	7	0.22
(1,843)	1:D:23:LEU:CG	1:D:23:LEU:CB	7	0.22
(1,843)	1:D:27:LEU:CG	1:D:27:LEU:CB	7	0.22
(1,843)	1:D:30:LEU:CG	1:D:30:LEU:CB	7	0.22
(1,843)	1:D:51:LEU:CG	1:D:51:LEU:CB	7	0.22
(1,843)	1:D:16:LEU:CG	1:D:16:LEU:CB	7	0.22
(1,843)	1:D:87:LEU:CG	1:D:87:LEU:CB	7	0.22
(1,843)	1:D:17:LEU:CG	1:D:17:LEU:CB	7	0.22
(1,843)	1:D:154:LEU:CG	1:D:154:LEU:CB	8	0.22
(1,843)	1:D:159:LEU:CG	1:D:159:LEU:CB	8	0.22
(1,843)	1:D:23:LEU:CG	1:D:23:LEU:CB	8	0.22
(1,843)	1:D:27:LEU:CG	1:D:27:LEU:CB	8	0.22
(1,843)	1:D:30:LEU:CG	1:D:30:LEU:CB	8	0.22
(1,843)	1:D:51:LEU:CG	1:D:51:LEU:CB	8	0.22
(1,843)	1:D:16:LEU:CG	1:D:16:LEU:CB	8	0.22
(1,843)	1:D:87:LEU:CG	1:D:87:LEU:CB	8	0.22
(1,843)	1:D:17:LEU:CG	1:D:17:LEU:CB	8	0.22
(1,843)	1:D:154:LEU:CG	1:D:154:LEU:CB	9	0.22
(1,843)	1:D:159:LEU:CG	1:D:159:LEU:CB	9	0.22
(1,843)	1:D:23:LEU:CG	1:D:23:LEU:CB	9	0.22
(1,843)	1:D:27:LEU:CG	1:D:27:LEU:CB	9	0.22
(1,843)	1:D:30:LEU:CG	1:D:30:LEU:CB	9	0.22
(1,843)	1:D:51:LEU:CG	1:D:51:LEU:CB	9	0.22
(1,843)	1:D:16:LEU:CG	1:D:16:LEU:CB	9	0.22
(1,843)	1:D:87:LEU:CG	1:D:87:LEU:CB	9	0.22
(1,843)	1:D:17:LEU:CG	1:D:17:LEU:CB	9	0.22
(1,843)	1:D:154:LEU:CG	1:D:154:LEU:CB	10	0.22
(1,843)	1:D:159:LEU:CG	1:D:159:LEU:CB	10	0.22
(1,843)	1:D:23:LEU:CG	1:D:23:LEU:CB	10	0.22
(1,843)	1:D:27:LEU:CG	1:D:27:LEU:CB	10	0.22
(1,843)	1:D:30:LEU:CG	1:D:30:LEU:CB	10	0.22
(1,843)	1:D:51:LEU:CG	1:D:51:LEU:CB	10	0.22
(1,843)	1:D:16:LEU:CG	1:D:16:LEU:CB	10	0.22
(1,843)	1:D:87:LEU:CG	1:D:87:LEU:CB	10	0.22
(1,843)	1:D:17:LEU:CG	1:D:17:LEU:CB	10	0.22
(1,84)	1:A:75:VAL:CB	1:A:75:VAL:CA	1	0.22
(1,84)	1:A:75:VAL:CB	1:A:75:VAL:CA	2	0.22
(1,84)	1:A:75:VAL:CB	1:A:75:VAL:CA	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,84)	1:A:75:VAL:CB	1:A:75:VAL:CA	5	0.22
(1,84)	1:A:75:VAL:CB	1:A:75:VAL:CA	10	0.22
(1,835)	1:D:48:ARG:CG	1:D:48:ARG:CD	2	0.22
(1,835)	1:D:48:ARG:CG	1:D:48:ARG:CD	3	0.22
(1,764)	1:D:93:MET:CB	1:D:93:MET:CA	1	0.22
(1,764)	1:D:93:MET:CB	1:D:93:MET:CA	2	0.22
(1,764)	1:D:93:MET:CB	1:D:93:MET:CA	3	0.22
(1,764)	1:D:93:MET:CB	1:D:93:MET:CA	4	0.22
(1,764)	1:D:93:MET:CB	1:D:93:MET:CA	5	0.22
(1,764)	1:D:93:MET:CB	1:D:93:MET:CA	6	0.22
(1,764)	1:D:93:MET:CB	1:D:93:MET:CA	7	0.22
(1,764)	1:D:93:MET:CB	1:D:93:MET:CA	9	0.22
(1,764)	1:D:93:MET:CB	1:D:93:MET:CA	10	0.22
(1,76)	1:A:68:PRO:CB	1:A:68:PRO:CA	1	0.22
(1,76)	1:A:68:PRO:CB	1:A:68:PRO:CA	2	0.22
(1,76)	1:A:68:PRO:CB	1:A:68:PRO:CA	5	0.22
(1,76)	1:A:68:PRO:CB	1:A:68:PRO:CA	6	0.22
(1,76)	1:A:68:PRO:CB	1:A:68:PRO:CA	7	0.22
(1,76)	1:A:68:PRO:CB	1:A:68:PRO:CA	8	0.22
(1,76)	1:A:68:PRO:CB	1:A:68:PRO:CA	9	0.22
(1,76)	1:A:68:PRO:CB	1:A:68:PRO:CA	10	0.22
(1,748)	1:D:76:ILE:CG1	1:D:76:ILE:CA	1	0.22
(1,748)	1:D:72:VAL:CB	1:D:72:VAL:CA	1	0.22
(1,748)	1:D:75:VAL:CB	1:D:76:ILE:CA	1	0.22
(1,748)	1:D:76:ILE:CG1	1:D:76:ILE:CA	7	0.22
(1,748)	1:D:72:VAL:CB	1:D:72:VAL:CA	7	0.22
(1,748)	1:D:75:VAL:CB	1:D:76:ILE:CA	7	0.22
(1,748)	1:D:76:ILE:CG1	1:D:76:ILE:CA	9	0.22
(1,748)	1:D:72:VAL:CB	1:D:72:VAL:CA	9	0.22
(1,748)	1:D:75:VAL:CB	1:D:76:ILE:CA	9	0.22
(1,746)	1:D:120:VAL:CB	1:D:121:PRO:CA	4	0.22
(1,746)	1:D:121:PRO:CB	1:D:121:PRO:CA	4	0.22
(1,746)	1:D:120:VAL:CB	1:D:121:PRO:CA	6	0.22
(1,746)	1:D:121:PRO:CB	1:D:121:PRO:CA	6	0.22
(1,746)	1:D:120:VAL:CB	1:D:121:PRO:CA	10	0.22
(1,746)	1:D:121:PRO:CB	1:D:121:PRO:CA	10	0.22
(1,718)	1:D:105:ASP:CB	1:D:105:ASP:CA	1	0.22
(1,718)	1:D:105:ASP:CB	1:D:105:ASP:CA	2	0.22
(1,718)	1:D:105:ASP:CB	1:D:105:ASP:CA	4	0.22
(1,718)	1:D:105:ASP:CB	1:D:105:ASP:CA	5	0.22
(1,718)	1:D:105:ASP:CB	1:D:105:ASP:CA	6	0.22
(1,718)	1:D:105:ASP:CB	1:D:105:ASP:CA	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:D:105:ASP:CB	1:D:105:ASP:CA	9	0.22
(1,718)	1:D:105:ASP:CB	1:D:105:ASP:CA	10	0.22
(1,715)	1:D:60:ILE:CB	1:D:60:ILE:CA	2	0.22
(1,715)	1:D:151:ILE:CB	1:D:150:PHE:CA	2	0.22
(1,715)	1:D:151:ILE:CB	1:D:153:TYR:CA	2	0.22
(1,715)	1:D:60:ILE:CB	1:D:60:ILE:CA	3	0.22
(1,715)	1:D:151:ILE:CB	1:D:150:PHE:CA	3	0.22
(1,715)	1:D:151:ILE:CB	1:D:153:TYR:CA	3	0.22
(1,715)	1:D:60:ILE:CB	1:D:60:ILE:CA	4	0.22
(1,715)	1:D:151:ILE:CB	1:D:150:PHE:CA	4	0.22
(1,715)	1:D:151:ILE:CB	1:D:153:TYR:CA	4	0.22
(1,715)	1:D:60:ILE:CB	1:D:60:ILE:CA	6	0.22
(1,715)	1:D:151:ILE:CB	1:D:150:PHE:CA	6	0.22
(1,715)	1:D:151:ILE:CB	1:D:153:TYR:CA	6	0.22
(1,715)	1:D:60:ILE:CB	1:D:60:ILE:CA	7	0.22
(1,715)	1:D:151:ILE:CB	1:D:150:PHE:CA	7	0.22
(1,715)	1:D:151:ILE:CB	1:D:153:TYR:CA	7	0.22
(1,715)	1:D:60:ILE:CB	1:D:60:ILE:CA	8	0.22
(1,715)	1:D:151:ILE:CB	1:D:150:PHE:CA	8	0.22
(1,715)	1:D:151:ILE:CB	1:D:153:TYR:CA	8	0.22
(1,715)	1:D:60:ILE:CB	1:D:60:ILE:CA	9	0.22
(1,715)	1:D:151:ILE:CB	1:D:150:PHE:CA	9	0.22
(1,715)	1:D:151:ILE:CB	1:D:153:TYR:CA	9	0.22
(1,715)	1:D:60:ILE:CB	1:D:60:ILE:CA	10	0.22
(1,715)	1:D:151:ILE:CB	1:D:150:PHE:CA	10	0.22
(1,715)	1:D:151:ILE:CB	1:D:153:TYR:CA	10	0.22
(1,714)	1:D:151:ILE:CB	1:D:151:ILE:CA	4	0.22
(1,714)	1:D:151:ILE:CB	1:D:151:ILE:CA	10	0.22
(1,664)	1:A:86:GLN:CB	1:A:86:GLN:CG	2	0.22
(1,664)	1:A:86:GLN:CB	1:A:86:GLN:CG	6	0.22
(1,664)	1:A:86:GLN:CB	1:A:86:GLN:CG	8	0.22
(1,664)	1:A:86:GLN:CB	1:A:86:GLN:CG	10	0.22
(1,619)	1:A:44:CYS:CA	1:A:44:CYS:C	2	0.22
(1,619)	1:A:78:LEU:CA	1:A:77:TRP:C	2	0.22
(1,619)	1:A:78:LEU:CA	1:A:79:TYR:C	2	0.22
(1,619)	1:A:70:ARG:CA	1:A:68:PRO:C	2	0.22
(1,619)	1:A:87:LEU:CA	1:A:84:GLY:C	2	0.22
(1,619)	1:A:44:CYS:CA	1:A:44:CYS:C	4	0.22
(1,619)	1:A:78:LEU:CA	1:A:77:TRP:C	4	0.22
(1,619)	1:A:78:LEU:CA	1:A:79:TYR:C	4	0.22
(1,619)	1:A:70:ARG:CA	1:A:68:PRO:C	4	0.22
(1,619)	1:A:87:LEU:CA	1:A:84:GLY:C	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,619)	1:A:44:CYS:CA	1:A:44:CYS:C	7	0.22
(1,619)	1:A:78:LEU:CA	1:A:77:TRP:C	7	0.22
(1,619)	1:A:78:LEU:CA	1:A:79:TYR:C	7	0.22
(1,619)	1:A:70:ARG:CA	1:A:68:PRO:C	7	0.22
(1,619)	1:A:87:LEU:CA	1:A:84:GLY:C	7	0.22
(1,619)	1:A:44:CYS:CA	1:A:44:CYS:C	9	0.22
(1,619)	1:A:78:LEU:CA	1:A:77:TRP:C	9	0.22
(1,619)	1:A:78:LEU:CA	1:A:79:TYR:C	9	0.22
(1,619)	1:A:70:ARG:CA	1:A:68:PRO:C	9	0.22
(1,619)	1:A:87:LEU:CA	1:A:84:GLY:C	9	0.22
(1,615)	1:A:36:MET:CA	1:A:36:MET:C	4	0.22
(1,615)	1:A:37:LEU:CA	1:A:36:MET:C	4	0.22
(1,615)	1:A:36:MET:CA	1:A:36:MET:C	6	0.22
(1,615)	1:A:37:LEU:CA	1:A:36:MET:C	6	0.22
(1,615)	1:A:36:MET:CA	1:A:36:MET:C	8	0.22
(1,615)	1:A:37:LEU:CA	1:A:36:MET:C	8	0.22
(1,615)	1:A:36:MET:CA	1:A:36:MET:C	9	0.22
(1,615)	1:A:37:LEU:CA	1:A:36:MET:C	9	0.22
(1,609)	1:A:122:GLN:CA	1:A:122:GLN:C	1	0.22
(1,609)	1:A:23:LEU:CA	1:A:21:THR:C	1	0.22
(1,609)	1:A:55:LEU:CA	1:A:56:GLY:C	1	0.22
(1,609)	1:A:122:GLN:CA	1:A:122:GLN:C	2	0.22
(1,609)	1:A:23:LEU:CA	1:A:21:THR:C	2	0.22
(1,609)	1:A:55:LEU:CA	1:A:56:GLY:C	2	0.22
(1,609)	1:A:122:GLN:CA	1:A:122:GLN:C	4	0.22
(1,609)	1:A:23:LEU:CA	1:A:21:THR:C	4	0.22
(1,609)	1:A:55:LEU:CA	1:A:56:GLY:C	4	0.22
(1,609)	1:A:122:GLN:CA	1:A:122:GLN:C	5	0.22
(1,609)	1:A:23:LEU:CA	1:A:21:THR:C	5	0.22
(1,609)	1:A:55:LEU:CA	1:A:56:GLY:C	5	0.22
(1,609)	1:A:122:GLN:CA	1:A:122:GLN:C	6	0.22
(1,609)	1:A:23:LEU:CA	1:A:21:THR:C	6	0.22
(1,609)	1:A:55:LEU:CA	1:A:56:GLY:C	6	0.22
(1,609)	1:A:122:GLN:CA	1:A:122:GLN:C	7	0.22
(1,609)	1:A:23:LEU:CA	1:A:21:THR:C	7	0.22
(1,609)	1:A:55:LEU:CA	1:A:56:GLY:C	7	0.22
(1,609)	1:A:122:GLN:CA	1:A:122:GLN:C	8	0.22
(1,609)	1:A:23:LEU:CA	1:A:21:THR:C	8	0.22
(1,609)	1:A:55:LEU:CA	1:A:56:GLY:C	8	0.22
(1,609)	1:A:122:GLN:CA	1:A:122:GLN:C	9	0.22
(1,609)	1:A:23:LEU:CA	1:A:21:THR:C	9	0.22
(1,609)	1:A:55:LEU:CA	1:A:56:GLY:C	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:A:122:GLN:CA	1:A:122:GLN:C	10	0.22
(1,609)	1:A:23:LEU:CA	1:A:21:THR:C	10	0.22
(1,609)	1:A:55:LEU:CA	1:A:56:GLY:C	10	0.22
(1,589)	1:A:21:THR:CA	1:A:21:THR:C	1	0.22
(1,589)	1:A:21:THR:CA	1:A:21:THR:C	2	0.22
(1,589)	1:A:21:THR:CA	1:A:21:THR:C	3	0.22
(1,589)	1:A:21:THR:CA	1:A:21:THR:C	4	0.22
(1,589)	1:A:21:THR:CA	1:A:21:THR:C	5	0.22
(1,589)	1:A:21:THR:CA	1:A:21:THR:C	6	0.22
(1,589)	1:A:21:THR:CA	1:A:21:THR:C	7	0.22
(1,589)	1:A:21:THR:CA	1:A:21:THR:C	8	0.22
(1,589)	1:A:21:THR:CA	1:A:21:THR:C	9	0.22
(1,589)	1:A:21:THR:CA	1:A:21:THR:C	10	0.22
(1,51)	1:A:105:ASP:CB	1:A:105:ASP:CA	1	0.22
(1,51)	1:A:105:ASP:CB	1:A:105:ASP:CA	2	0.22
(1,51)	1:A:105:ASP:CB	1:A:105:ASP:CA	3	0.22
(1,51)	1:A:105:ASP:CB	1:A:105:ASP:CA	6	0.22
(1,51)	1:A:105:ASP:CB	1:A:105:ASP:CA	9	0.22
(1,488)	1:A:48:ARG:CB	1:A:45:ILE:CG2	9	0.22
(1,486)	1:A:68:PRO:CG	1:A:68:PRO:CB	4	0.22
(1,486)	1:A:68:PRO:CG	1:A:68:PRO:CB	9	0.22
(1,485)	1:A:68:PRO:CG	1:A:68:PRO:CB	4	0.22
(1,485)	1:A:68:PRO:CG	1:A:68:PRO:CB	9	0.22
(1,48)	1:A:60:ILE:CB	1:A:60:ILE:CA	1	0.22
(1,48)	1:A:151:ILE:CB	1:A:150:PHE:CA	1	0.22
(1,48)	1:A:151:ILE:CB	1:A:153:TYR:CA	1	0.22
(1,48)	1:A:60:ILE:CB	1:A:60:ILE:CA	2	0.22
(1,48)	1:A:151:ILE:CB	1:A:150:PHE:CA	2	0.22
(1,48)	1:A:151:ILE:CB	1:A:153:TYR:CA	2	0.22
(1,48)	1:A:60:ILE:CB	1:A:60:ILE:CA	3	0.22
(1,48)	1:A:151:ILE:CB	1:A:150:PHE:CA	3	0.22
(1,48)	1:A:151:ILE:CB	1:A:153:TYR:CA	3	0.22
(1,48)	1:A:60:ILE:CB	1:A:60:ILE:CA	4	0.22
(1,48)	1:A:151:ILE:CB	1:A:150:PHE:CA	4	0.22
(1,48)	1:A:151:ILE:CB	1:A:153:TYR:CA	4	0.22
(1,48)	1:A:60:ILE:CB	1:A:60:ILE:CA	5	0.22
(1,48)	1:A:151:ILE:CB	1:A:150:PHE:CA	5	0.22
(1,48)	1:A:151:ILE:CB	1:A:153:TYR:CA	5	0.22
(1,48)	1:A:60:ILE:CB	1:A:60:ILE:CA	6	0.22
(1,48)	1:A:151:ILE:CB	1:A:150:PHE:CA	6	0.22
(1,48)	1:A:151:ILE:CB	1:A:153:TYR:CA	6	0.22
(1,48)	1:A:60:ILE:CB	1:A:60:ILE:CA	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,48)	1:A:151:ILE:CB	1:A:150:PHE:CA	7	0.22
(1,48)	1:A:151:ILE:CB	1:A:153:TYR:CA	7	0.22
(1,48)	1:A:60:ILE:CB	1:A:60:ILE:CA	8	0.22
(1,48)	1:A:151:ILE:CB	1:A:150:PHE:CA	8	0.22
(1,48)	1:A:151:ILE:CB	1:A:153:TYR:CA	8	0.22
(1,48)	1:A:60:ILE:CB	1:A:60:ILE:CA	9	0.22
(1,48)	1:A:151:ILE:CB	1:A:150:PHE:CA	9	0.22
(1,48)	1:A:151:ILE:CB	1:A:153:TYR:CA	9	0.22
(1,48)	1:A:60:ILE:CB	1:A:60:ILE:CA	10	0.22
(1,48)	1:A:151:ILE:CB	1:A:150:PHE:CA	10	0.22
(1,48)	1:A:151:ILE:CB	1:A:153:TYR:CA	10	0.22
(1,369)	1:A:76:ILE:CA	1:A:78:LEU:C	1	0.22
(1,369)	1:A:149:ILE:CA	1:A:149:ILE:C	1	0.22
(1,369)	1:A:151:ILE:CA	1:A:149:ILE:C	1	0.22
(1,369)	1:A:21:THR:CA	1:A:23:LEU:C	1	0.22
(1,369)	1:A:76:ILE:CA	1:A:78:LEU:C	2	0.22
(1,369)	1:A:149:ILE:CA	1:A:149:ILE:C	2	0.22
(1,369)	1:A:151:ILE:CA	1:A:149:ILE:C	2	0.22
(1,369)	1:A:21:THR:CA	1:A:23:LEU:C	2	0.22
(1,369)	1:A:76:ILE:CA	1:A:78:LEU:C	3	0.22
(1,369)	1:A:149:ILE:CA	1:A:149:ILE:C	3	0.22
(1,369)	1:A:151:ILE:CA	1:A:149:ILE:C	3	0.22
(1,369)	1:A:21:THR:CA	1:A:23:LEU:C	3	0.22
(1,369)	1:A:76:ILE:CA	1:A:78:LEU:C	4	0.22
(1,369)	1:A:149:ILE:CA	1:A:149:ILE:C	4	0.22
(1,369)	1:A:151:ILE:CA	1:A:149:ILE:C	4	0.22
(1,369)	1:A:21:THR:CA	1:A:23:LEU:C	4	0.22
(1,369)	1:A:76:ILE:CA	1:A:78:LEU:C	5	0.22
(1,369)	1:A:149:ILE:CA	1:A:149:ILE:C	5	0.22
(1,369)	1:A:151:ILE:CA	1:A:149:ILE:C	5	0.22
(1,369)	1:A:21:THR:CA	1:A:23:LEU:C	5	0.22
(1,369)	1:A:76:ILE:CA	1:A:78:LEU:C	6	0.22
(1,369)	1:A:149:ILE:CA	1:A:149:ILE:C	6	0.22
(1,369)	1:A:151:ILE:CA	1:A:149:ILE:C	6	0.22
(1,369)	1:A:21:THR:CA	1:A:23:LEU:C	6	0.22
(1,369)	1:A:76:ILE:CA	1:A:78:LEU:C	7	0.22
(1,369)	1:A:149:ILE:CA	1:A:149:ILE:C	7	0.22
(1,369)	1:A:151:ILE:CA	1:A:149:ILE:C	7	0.22
(1,369)	1:A:21:THR:CA	1:A:23:LEU:C	7	0.22
(1,369)	1:A:76:ILE:CA	1:A:78:LEU:C	8	0.22
(1,369)	1:A:149:ILE:CA	1:A:149:ILE:C	8	0.22
(1,369)	1:A:151:ILE:CA	1:A:149:ILE:C	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,369)	1:A:21:THR:CA	1:A:23:LEU:C	8	0.22
(1,369)	1:A:76:ILE:CA	1:A:78:LEU:C	9	0.22
(1,369)	1:A:149:ILE:CA	1:A:149:ILE:C	9	0.22
(1,369)	1:A:151:ILE:CA	1:A:149:ILE:C	9	0.22
(1,369)	1:A:21:THR:CA	1:A:23:LEU:C	9	0.22
(1,369)	1:A:76:ILE:CA	1:A:78:LEU:C	10	0.22
(1,369)	1:A:149:ILE:CA	1:A:149:ILE:C	10	0.22
(1,369)	1:A:151:ILE:CA	1:A:149:ILE:C	10	0.22
(1,369)	1:A:21:THR:CA	1:A:23:LEU:C	10	0.22
(1,334)	1:A:29:ALA:CA	1:A:28:THR:C	4	0.22
(1,334)	1:A:36:MET:CA	1:A:36:MET:C	4	0.22
(1,334)	1:A:29:ALA:CA	1:A:28:THR:C	6	0.22
(1,334)	1:A:36:MET:CA	1:A:36:MET:C	6	0.22
(1,334)	1:A:29:ALA:CA	1:A:28:THR:C	8	0.22
(1,334)	1:A:36:MET:CA	1:A:36:MET:C	8	0.22
(1,334)	1:A:29:ALA:CA	1:A:28:THR:C	9	0.22
(1,334)	1:A:36:MET:CA	1:A:36:MET:C	9	0.22
(1,320)	1:A:77:TRP:CA	1:A:74:MET:C	2	0.22
(1,320)	1:A:34:HIS:CA	1:A:33:GLN:C	2	0.22
(1,320)	1:A:44:CYS:CA	1:A:44:CYS:C	2	0.22
(1,320)	1:A:46:TYR:CA	1:A:44:CYS:C	2	0.22
(1,320)	1:A:77:TRP:CA	1:A:74:MET:C	4	0.22
(1,320)	1:A:34:HIS:CA	1:A:33:GLN:C	4	0.22
(1,320)	1:A:44:CYS:CA	1:A:44:CYS:C	4	0.22
(1,320)	1:A:46:TYR:CA	1:A:44:CYS:C	4	0.22
(1,320)	1:A:77:TRP:CA	1:A:74:MET:C	7	0.22
(1,320)	1:A:34:HIS:CA	1:A:33:GLN:C	7	0.22
(1,320)	1:A:44:CYS:CA	1:A:44:CYS:C	7	0.22
(1,320)	1:A:46:TYR:CA	1:A:44:CYS:C	7	0.22
(1,320)	1:A:77:TRP:CA	1:A:74:MET:C	9	0.22
(1,320)	1:A:34:HIS:CA	1:A:33:GLN:C	9	0.22
(1,320)	1:A:44:CYS:CA	1:A:44:CYS:C	9	0.22
(1,320)	1:A:46:TYR:CA	1:A:44:CYS:C	9	0.22
(1,182)	1:A:149:ILE:CG1	1:A:149:ILE:CB	5	0.22
(1,177)	1:A:146:LEU:CG	1:A:146:LEU:CB	1	0.22
(1,177)	1:A:146:LEU:CG	1:A:146:LEU:CB	2	0.22
(1,177)	1:A:146:LEU:CG	1:A:146:LEU:CB	3	0.22
(1,177)	1:A:146:LEU:CG	1:A:146:LEU:CB	4	0.22
(1,177)	1:A:146:LEU:CG	1:A:146:LEU:CB	5	0.22
(1,177)	1:A:146:LEU:CG	1:A:146:LEU:CB	6	0.22
(1,177)	1:A:146:LEU:CG	1:A:146:LEU:CB	7	0.22
(1,177)	1:A:146:LEU:CG	1:A:146:LEU:CB	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,177)	1:A:146:LEU:CG	1:A:146:LEU:CB	9	0.22
(1,177)	1:A:146:LEU:CG	1:A:146:LEU:CB	10	0.22
(1,176)	1:A:154:LEU:CG	1:A:154:LEU:CB	1	0.22
(1,176)	1:A:159:LEU:CG	1:A:159:LEU:CB	1	0.22
(1,176)	1:A:23:LEU:CG	1:A:23:LEU:CB	1	0.22
(1,176)	1:A:27:LEU:CG	1:A:27:LEU:CB	1	0.22
(1,176)	1:A:30:LEU:CG	1:A:30:LEU:CB	1	0.22
(1,176)	1:A:51:LEU:CG	1:A:51:LEU:CB	1	0.22
(1,176)	1:A:16:LEU:CG	1:A:16:LEU:CB	1	0.22
(1,176)	1:A:87:LEU:CG	1:A:87:LEU:CB	1	0.22
(1,176)	1:A:17:LEU:CG	1:A:17:LEU:CB	1	0.22
(1,176)	1:A:154:LEU:CG	1:A:154:LEU:CB	2	0.22
(1,176)	1:A:159:LEU:CG	1:A:159:LEU:CB	2	0.22
(1,176)	1:A:23:LEU:CG	1:A:23:LEU:CB	2	0.22
(1,176)	1:A:27:LEU:CG	1:A:27:LEU:CB	2	0.22
(1,176)	1:A:30:LEU:CG	1:A:30:LEU:CB	2	0.22
(1,176)	1:A:51:LEU:CG	1:A:51:LEU:CB	2	0.22
(1,176)	1:A:16:LEU:CG	1:A:16:LEU:CB	2	0.22
(1,176)	1:A:87:LEU:CG	1:A:87:LEU:CB	2	0.22
(1,176)	1:A:17:LEU:CG	1:A:17:LEU:CB	2	0.22
(1,176)	1:A:154:LEU:CG	1:A:154:LEU:CB	3	0.22
(1,176)	1:A:159:LEU:CG	1:A:159:LEU:CB	3	0.22
(1,176)	1:A:23:LEU:CG	1:A:23:LEU:CB	3	0.22
(1,176)	1:A:27:LEU:CG	1:A:27:LEU:CB	3	0.22
(1,176)	1:A:30:LEU:CG	1:A:30:LEU:CB	3	0.22
(1,176)	1:A:51:LEU:CG	1:A:51:LEU:CB	3	0.22
(1,176)	1:A:16:LEU:CG	1:A:16:LEU:CB	3	0.22
(1,176)	1:A:87:LEU:CG	1:A:87:LEU:CB	3	0.22
(1,176)	1:A:17:LEU:CG	1:A:17:LEU:CB	3	0.22
(1,176)	1:A:154:LEU:CG	1:A:154:LEU:CB	4	0.22
(1,176)	1:A:159:LEU:CG	1:A:159:LEU:CB	4	0.22
(1,176)	1:A:23:LEU:CG	1:A:23:LEU:CB	4	0.22
(1,176)	1:A:27:LEU:CG	1:A:27:LEU:CB	4	0.22
(1,176)	1:A:30:LEU:CG	1:A:30:LEU:CB	4	0.22
(1,176)	1:A:51:LEU:CG	1:A:51:LEU:CB	4	0.22
(1,176)	1:A:16:LEU:CG	1:A:16:LEU:CB	4	0.22
(1,176)	1:A:87:LEU:CG	1:A:87:LEU:CB	4	0.22
(1,176)	1:A:17:LEU:CG	1:A:17:LEU:CB	4	0.22
(1,176)	1:A:154:LEU:CG	1:A:154:LEU:CB	5	0.22
(1,176)	1:A:159:LEU:CG	1:A:159:LEU:CB	5	0.22
(1,176)	1:A:23:LEU:CG	1:A:23:LEU:CB	5	0.22
(1,176)	1:A:27:LEU:CG	1:A:27:LEU:CB	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:A:30:LEU:CG	1:A:30:LEU:CB	5	0.22
(1,176)	1:A:51:LEU:CG	1:A:51:LEU:CB	5	0.22
(1,176)	1:A:16:LEU:CG	1:A:16:LEU:CB	5	0.22
(1,176)	1:A:87:LEU:CG	1:A:87:LEU:CB	5	0.22
(1,176)	1:A:17:LEU:CG	1:A:17:LEU:CB	5	0.22
(1,176)	1:A:154:LEU:CG	1:A:154:LEU:CB	6	0.22
(1,176)	1:A:159:LEU:CG	1:A:159:LEU:CB	6	0.22
(1,176)	1:A:23:LEU:CG	1:A:23:LEU:CB	6	0.22
(1,176)	1:A:27:LEU:CG	1:A:27:LEU:CB	6	0.22
(1,176)	1:A:30:LEU:CG	1:A:30:LEU:CB	6	0.22
(1,176)	1:A:51:LEU:CG	1:A:51:LEU:CB	6	0.22
(1,176)	1:A:16:LEU:CG	1:A:16:LEU:CB	6	0.22
(1,176)	1:A:87:LEU:CG	1:A:87:LEU:CB	6	0.22
(1,176)	1:A:17:LEU:CG	1:A:17:LEU:CB	6	0.22
(1,176)	1:A:154:LEU:CG	1:A:154:LEU:CB	7	0.22
(1,176)	1:A:159:LEU:CG	1:A:159:LEU:CB	7	0.22
(1,176)	1:A:23:LEU:CG	1:A:23:LEU:CB	7	0.22
(1,176)	1:A:27:LEU:CG	1:A:27:LEU:CB	7	0.22
(1,176)	1:A:30:LEU:CG	1:A:30:LEU:CB	7	0.22
(1,176)	1:A:51:LEU:CG	1:A:51:LEU:CB	7	0.22
(1,176)	1:A:16:LEU:CG	1:A:16:LEU:CB	7	0.22
(1,176)	1:A:87:LEU:CG	1:A:87:LEU:CB	7	0.22
(1,176)	1:A:17:LEU:CG	1:A:17:LEU:CB	7	0.22
(1,176)	1:A:154:LEU:CG	1:A:154:LEU:CB	8	0.22
(1,176)	1:A:159:LEU:CG	1:A:159:LEU:CB	8	0.22
(1,176)	1:A:23:LEU:CG	1:A:23:LEU:CB	8	0.22
(1,176)	1:A:27:LEU:CG	1:A:27:LEU:CB	8	0.22
(1,176)	1:A:30:LEU:CG	1:A:30:LEU:CB	8	0.22
(1,176)	1:A:51:LEU:CG	1:A:51:LEU:CB	8	0.22
(1,176)	1:A:16:LEU:CG	1:A:16:LEU:CB	8	0.22
(1,176)	1:A:87:LEU:CG	1:A:87:LEU:CB	8	0.22
(1,176)	1:A:17:LEU:CG	1:A:17:LEU:CB	8	0.22
(1,176)	1:A:154:LEU:CG	1:A:154:LEU:CB	9	0.22
(1,176)	1:A:159:LEU:CG	1:A:159:LEU:CB	9	0.22
(1,176)	1:A:23:LEU:CG	1:A:23:LEU:CB	9	0.22
(1,176)	1:A:27:LEU:CG	1:A:27:LEU:CB	9	0.22
(1,176)	1:A:30:LEU:CG	1:A:30:LEU:CB	9	0.22
(1,176)	1:A:51:LEU:CG	1:A:51:LEU:CB	9	0.22
(1,176)	1:A:16:LEU:CG	1:A:16:LEU:CB	9	0.22
(1,176)	1:A:87:LEU:CG	1:A:87:LEU:CB	9	0.22
(1,176)	1:A:17:LEU:CG	1:A:17:LEU:CB	9	0.22
(1,176)	1:A:154:LEU:CG	1:A:154:LEU:CB	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:A:159:LEU:CG	1:A:159:LEU:CB	10	0.22
(1,176)	1:A:23:LEU:CG	1:A:23:LEU:CB	10	0.22
(1,176)	1:A:27:LEU:CG	1:A:27:LEU:CB	10	0.22
(1,176)	1:A:30:LEU:CG	1:A:30:LEU:CB	10	0.22
(1,176)	1:A:51:LEU:CG	1:A:51:LEU:CB	10	0.22
(1,176)	1:A:16:LEU:CG	1:A:16:LEU:CB	10	0.22
(1,176)	1:A:87:LEU:CG	1:A:87:LEU:CB	10	0.22
(1,176)	1:A:17:LEU:CG	1:A:17:LEU:CB	10	0.22
(1,1312)	1:D:63:ILE:CD1	1:D:60:ILE:CG1	7	0.22
(1,1312)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	7	0.22
(1,1286)	1:D:44:CYS:CA	1:D:44:CYS:C	1	0.22
(1,1286)	1:D:78:LEU:CA	1:D:77:TRP:C	1	0.22
(1,1286)	1:D:78:LEU:CA	1:D:79:TYR:C	1	0.22
(1,1286)	1:D:70:ARG:CA	1:D:68:PRO:C	1	0.22
(1,1286)	1:D:87:LEU:CA	1:D:84:GLY:C	1	0.22
(1,1286)	1:D:44:CYS:CA	1:D:44:CYS:C	2	0.22
(1,1286)	1:D:78:LEU:CA	1:D:77:TRP:C	2	0.22
(1,1286)	1:D:78:LEU:CA	1:D:79:TYR:C	2	0.22
(1,1286)	1:D:70:ARG:CA	1:D:68:PRO:C	2	0.22
(1,1286)	1:D:87:LEU:CA	1:D:84:GLY:C	2	0.22
(1,1286)	1:D:44:CYS:CA	1:D:44:CYS:C	3	0.22
(1,1286)	1:D:78:LEU:CA	1:D:77:TRP:C	3	0.22
(1,1286)	1:D:78:LEU:CA	1:D:79:TYR:C	3	0.22
(1,1286)	1:D:70:ARG:CA	1:D:68:PRO:C	3	0.22
(1,1286)	1:D:87:LEU:CA	1:D:84:GLY:C	3	0.22
(1,1286)	1:D:44:CYS:CA	1:D:44:CYS:C	4	0.22
(1,1286)	1:D:78:LEU:CA	1:D:77:TRP:C	4	0.22
(1,1286)	1:D:78:LEU:CA	1:D:79:TYR:C	4	0.22
(1,1286)	1:D:70:ARG:CA	1:D:68:PRO:C	4	0.22
(1,1286)	1:D:87:LEU:CA	1:D:84:GLY:C	4	0.22
(1,1286)	1:D:44:CYS:CA	1:D:44:CYS:C	6	0.22
(1,1286)	1:D:78:LEU:CA	1:D:77:TRP:C	6	0.22
(1,1286)	1:D:78:LEU:CA	1:D:79:TYR:C	6	0.22
(1,1286)	1:D:70:ARG:CA	1:D:68:PRO:C	6	0.22
(1,1286)	1:D:87:LEU:CA	1:D:84:GLY:C	6	0.22
(1,1286)	1:D:44:CYS:CA	1:D:44:CYS:C	8	0.22
(1,1286)	1:D:78:LEU:CA	1:D:77:TRP:C	8	0.22
(1,1286)	1:D:78:LEU:CA	1:D:79:TYR:C	8	0.22
(1,1286)	1:D:70:ARG:CA	1:D:68:PRO:C	8	0.22
(1,1286)	1:D:87:LEU:CA	1:D:84:GLY:C	8	0.22
(1,1285)	1:D:78:LEU:CA	1:D:79:TYR:C	1	0.22
(1,1285)	1:D:70:ARG:CA	1:D:70:ARG:C	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1285)	1:D:87:LEU:CA	1:D:85:VAL:C	1	0.22
(1,1285)	1:D:23:LEU:CA	1:D:20:PHE:C	1	0.22
(1,1285)	1:D:78:LEU:CA	1:D:79:TYR:C	6	0.22
(1,1285)	1:D:70:ARG:CA	1:D:70:ARG:C	6	0.22
(1,1285)	1:D:87:LEU:CA	1:D:85:VAL:C	6	0.22
(1,1285)	1:D:23:LEU:CA	1:D:20:PHE:C	6	0.22
(1,1282)	1:D:36:MET:CA	1:D:36:MET:C	7	0.22
(1,1282)	1:D:37:LEU:CA	1:D:36:MET:C	7	0.22
(1,1276)	1:D:122:GLN:CA	1:D:122:GLN:C	9	0.22
(1,1276)	1:D:23:LEU:CA	1:D:21:THR:C	9	0.22
(1,1276)	1:D:55:LEU:CA	1:D:56:GLY:C	9	0.22
(1,1276)	1:D:122:GLN:CA	1:D:122:GLN:C	10	0.22
(1,1276)	1:D:23:LEU:CA	1:D:21:THR:C	10	0.22
(1,1276)	1:D:55:LEU:CA	1:D:56:GLY:C	10	0.22
(1,1256)	1:D:21:THR:CA	1:D:21:THR:C	3	0.22
(1,1256)	1:D:21:THR:CA	1:D:21:THR:C	4	0.22
(1,1256)	1:D:21:THR:CA	1:D:21:THR:C	5	0.22
(1,1153)	1:D:68:PRO:CG	1:D:68:PRO:CB	3	0.22
(1,1153)	1:D:68:PRO:CG	1:D:68:PRO:CB	5	0.22
(1,1153)	1:D:68:PRO:CG	1:D:68:PRO:CB	9	0.22
(1,1152)	1:D:68:PRO:CG	1:D:68:PRO:CB	3	0.22
(1,1152)	1:D:68:PRO:CG	1:D:68:PRO:CB	5	0.22
(1,1152)	1:D:68:PRO:CG	1:D:68:PRO:CB	9	0.22
(1,1043)	1:D:68:PRO:CD	1:D:65:PRO:CD	8	0.22
(1,1036)	1:D:76:ILE:CA	1:D:78:LEU:C	2	0.22
(1,1036)	1:D:149:ILE:CA	1:D:149:ILE:C	2	0.22
(1,1036)	1:D:151:ILE:CA	1:D:149:ILE:C	2	0.22
(1,1036)	1:D:21:THR:CA	1:D:23:LEU:C	2	0.22
(1,1036)	1:D:76:ILE:CA	1:D:78:LEU:C	7	0.22
(1,1036)	1:D:149:ILE:CA	1:D:149:ILE:C	7	0.22
(1,1036)	1:D:151:ILE:CA	1:D:149:ILE:C	7	0.22
(1,1036)	1:D:21:THR:CA	1:D:23:LEU:C	7	0.22
(1,1001)	1:D:29:ALA:CA	1:D:28:THR:C	4	0.22
(1,1001)	1:D:36:MET:CA	1:D:36:MET:C	4	0.22
(1,1001)	1:D:29:ALA:CA	1:D:28:THR:C	7	0.22
(1,1001)	1:D:36:MET:CA	1:D:36:MET:C	7	0.22
(1,100)	1:A:68:PRO:CB	1:A:68:PRO:CA	1	0.22
(1,100)	1:A:68:PRO:CB	1:A:68:PRO:CA	2	0.22
(1,100)	1:A:68:PRO:CB	1:A:68:PRO:CA	5	0.22
(1,100)	1:A:68:PRO:CB	1:A:68:PRO:CA	6	0.22
(1,100)	1:A:68:PRO:CB	1:A:68:PRO:CA	7	0.22
(1,100)	1:A:68:PRO:CB	1:A:68:PRO:CA	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:A:68:PRO:CB	1:A:68:PRO:CA	9	0.22
(1,100)	1:A:68:PRO:CB	1:A:68:PRO:CA	10	0.22
(1,990)	1:D:70:ARG:CA	1:D:68:PRO:C	3	0.21
(1,990)	1:D:70:ARG:CA	1:D:70:ARG:C	3	0.21
(1,990)	1:D:70:ARG:CA	1:D:68:PRO:C	4	0.21
(1,990)	1:D:70:ARG:CA	1:D:70:ARG:C	4	0.21
(1,990)	1:D:70:ARG:CA	1:D:68:PRO:C	8	0.21
(1,990)	1:D:70:ARG:CA	1:D:70:ARG:C	8	0.21
(1,990)	1:D:70:ARG:CA	1:D:68:PRO:C	9	0.21
(1,990)	1:D:70:ARG:CA	1:D:70:ARG:C	9	0.21
(1,990)	1:D:70:ARG:CA	1:D:68:PRO:C	10	0.21
(1,990)	1:D:70:ARG:CA	1:D:70:ARG:C	10	0.21
(1,987)	1:D:77:TRP:CA	1:D:74:MET:C	5	0.21
(1,987)	1:D:34:HIS:CA	1:D:33:GLN:C	5	0.21
(1,987)	1:D:44:CYS:CA	1:D:44:CYS:C	5	0.21
(1,987)	1:D:46:TYR:CA	1:D:44:CYS:C	5	0.21
(1,987)	1:D:77:TRP:CA	1:D:74:MET:C	7	0.21
(1,987)	1:D:34:HIS:CA	1:D:33:GLN:C	7	0.21
(1,987)	1:D:44:CYS:CA	1:D:44:CYS:C	7	0.21
(1,987)	1:D:46:TYR:CA	1:D:44:CYS:C	7	0.21
(1,987)	1:D:77:TRP:CA	1:D:74:MET:C	9	0.21
(1,987)	1:D:34:HIS:CA	1:D:33:GLN:C	9	0.21
(1,987)	1:D:44:CYS:CA	1:D:44:CYS:C	9	0.21
(1,987)	1:D:46:TYR:CA	1:D:44:CYS:C	9	0.21
(1,987)	1:D:77:TRP:CA	1:D:74:MET:C	10	0.21
(1,987)	1:D:34:HIS:CA	1:D:33:GLN:C	10	0.21
(1,987)	1:D:44:CYS:CA	1:D:44:CYS:C	10	0.21
(1,987)	1:D:46:TYR:CA	1:D:44:CYS:C	10	0.21
(1,856)	1:D:48:ARG:CG	1:D:48:ARG:CB	1	0.21
(1,856)	1:D:48:ARG:CG	1:D:48:ARG:CB	2	0.21
(1,856)	1:D:48:ARG:CG	1:D:48:ARG:CB	6	0.21
(1,849)	1:D:149:ILE:CG1	1:D:149:ILE:CB	5	0.21
(1,848)	1:D:151:ILE:CG1	1:D:151:ILE:CB	7	0.21
(1,847)	1:D:151:ILE:CG1	1:D:151:ILE:CB	7	0.21
(1,844)	1:D:146:LEU:CG	1:D:146:LEU:CB	1	0.21
(1,844)	1:D:146:LEU:CG	1:D:146:LEU:CB	2	0.21
(1,844)	1:D:146:LEU:CG	1:D:146:LEU:CB	3	0.21
(1,844)	1:D:146:LEU:CG	1:D:146:LEU:CB	4	0.21
(1,844)	1:D:146:LEU:CG	1:D:146:LEU:CB	5	0.21
(1,844)	1:D:146:LEU:CG	1:D:146:LEU:CB	6	0.21
(1,844)	1:D:146:LEU:CG	1:D:146:LEU:CB	7	0.21
(1,844)	1:D:146:LEU:CG	1:D:146:LEU:CB	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:D:146:LEU:CG	1:D:146:LEU:CB	9	0.21
(1,844)	1:D:146:LEU:CG	1:D:146:LEU:CB	10	0.21
(1,84)	1:A:75:VAL:CB	1:A:75:VAL:CA	3	0.21
(1,84)	1:A:75:VAL:CB	1:A:75:VAL:CA	6	0.21
(1,84)	1:A:75:VAL:CB	1:A:75:VAL:CA	7	0.21
(1,84)	1:A:75:VAL:CB	1:A:75:VAL:CA	8	0.21
(1,84)	1:A:75:VAL:CB	1:A:75:VAL:CA	9	0.21
(1,803)	1:D:48:ARG:CG	1:D:47:GLU:CA	2	0.21
(1,803)	1:D:44:CYS:CB	1:D:44:CYS:CA	2	0.21
(1,803)	1:D:48:ARG:CG	1:D:47:GLU:CA	3	0.21
(1,803)	1:D:44:CYS:CB	1:D:44:CYS:CA	3	0.21
(1,803)	1:D:48:ARG:CG	1:D:47:GLU:CA	6	0.21
(1,803)	1:D:44:CYS:CB	1:D:44:CYS:CA	6	0.21
(1,803)	1:D:48:ARG:CG	1:D:47:GLU:CA	8	0.21
(1,803)	1:D:44:CYS:CB	1:D:44:CYS:CA	8	0.21
(1,772)	1:D:120:VAL:CB	1:D:120:VAL:CA	2	0.21
(1,772)	1:D:120:VAL:CB	1:D:122:GLN:CA	2	0.21
(1,772)	1:D:121:PRO:CB	1:D:120:VAL:CA	2	0.21
(1,772)	1:D:121:PRO:CB	1:D:122:GLN:CA	2	0.21
(1,772)	1:D:120:VAL:CB	1:D:120:VAL:CA	3	0.21
(1,772)	1:D:120:VAL:CB	1:D:122:GLN:CA	3	0.21
(1,772)	1:D:121:PRO:CB	1:D:120:VAL:CA	3	0.21
(1,772)	1:D:121:PRO:CB	1:D:122:GLN:CA	3	0.21
(1,772)	1:D:120:VAL:CB	1:D:120:VAL:CA	4	0.21
(1,772)	1:D:120:VAL:CB	1:D:122:GLN:CA	4	0.21
(1,772)	1:D:121:PRO:CB	1:D:120:VAL:CA	4	0.21
(1,772)	1:D:121:PRO:CB	1:D:122:GLN:CA	4	0.21
(1,772)	1:D:120:VAL:CB	1:D:120:VAL:CA	6	0.21
(1,772)	1:D:120:VAL:CB	1:D:122:GLN:CA	6	0.21
(1,772)	1:D:121:PRO:CB	1:D:120:VAL:CA	6	0.21
(1,772)	1:D:121:PRO:CB	1:D:122:GLN:CA	6	0.21
(1,772)	1:D:120:VAL:CB	1:D:120:VAL:CA	7	0.21
(1,772)	1:D:120:VAL:CB	1:D:122:GLN:CA	7	0.21
(1,772)	1:D:121:PRO:CB	1:D:120:VAL:CA	7	0.21
(1,772)	1:D:121:PRO:CB	1:D:122:GLN:CA	7	0.21
(1,772)	1:D:120:VAL:CB	1:D:120:VAL:CA	8	0.21
(1,772)	1:D:120:VAL:CB	1:D:122:GLN:CA	8	0.21
(1,772)	1:D:121:PRO:CB	1:D:120:VAL:CA	8	0.21
(1,772)	1:D:121:PRO:CB	1:D:122:GLN:CA	8	0.21
(1,772)	1:D:120:VAL:CB	1:D:120:VAL:CA	9	0.21
(1,772)	1:D:120:VAL:CB	1:D:122:GLN:CA	9	0.21
(1,772)	1:D:121:PRO:CB	1:D:120:VAL:CA	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:D:121:PRO:CB	1:D:122:GLN:CA	9	0.21
(1,772)	1:D:120:VAL:CB	1:D:120:VAL:CA	10	0.21
(1,772)	1:D:120:VAL:CB	1:D:122:GLN:CA	10	0.21
(1,772)	1:D:121:PRO:CB	1:D:120:VAL:CA	10	0.21
(1,772)	1:D:121:PRO:CB	1:D:122:GLN:CA	10	0.21
(1,770)	1:D:108:VAL:CB	1:D:108:VAL:CA	3	0.21
(1,764)	1:D:93:MET:CB	1:D:93:MET:CA	8	0.21
(1,751)	1:D:75:VAL:CB	1:D:75:VAL:CA	1	0.21
(1,751)	1:D:75:VAL:CB	1:D:75:VAL:CA	5	0.21
(1,751)	1:D:75:VAL:CB	1:D:75:VAL:CA	7	0.21
(1,751)	1:D:75:VAL:CB	1:D:75:VAL:CA	8	0.21
(1,718)	1:D:105:ASP:CB	1:D:105:ASP:CA	3	0.21
(1,715)	1:D:60:ILE:CB	1:D:60:ILE:CA	1	0.21
(1,715)	1:D:151:ILE:CB	1:D:150:PHE:CA	1	0.21
(1,715)	1:D:151:ILE:CB	1:D:153:TYR:CA	1	0.21
(1,712)	1:D:63:ILE:CB	1:D:63:ILE:CA	3	0.21
(1,664)	1:A:86:GLN:CB	1:A:86:GLN:CG	3	0.21
(1,664)	1:A:86:GLN:CB	1:A:86:GLN:CG	5	0.21
(1,664)	1:A:86:GLN:CB	1:A:86:GLN:CG	9	0.21
(1,645)	1:A:63:ILE:CD1	1:A:60:ILE:CG1	2	0.21
(1,645)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	2	0.21
(1,645)	1:A:63:ILE:CD1	1:A:60:ILE:CG1	6	0.21
(1,645)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	6	0.21
(1,645)	1:A:63:ILE:CD1	1:A:60:ILE:CG1	9	0.21
(1,645)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	9	0.21
(1,645)	1:A:63:ILE:CD1	1:A:60:ILE:CG1	10	0.21
(1,645)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	10	0.21
(1,619)	1:A:44:CYS:CA	1:A:44:CYS:C	3	0.21
(1,619)	1:A:78:LEU:CA	1:A:77:TRP:C	3	0.21
(1,619)	1:A:78:LEU:CA	1:A:79:TYR:C	3	0.21
(1,619)	1:A:70:ARG:CA	1:A:68:PRO:C	3	0.21
(1,619)	1:A:87:LEU:CA	1:A:84:GLY:C	3	0.21
(1,619)	1:A:44:CYS:CA	1:A:44:CYS:C	6	0.21
(1,619)	1:A:78:LEU:CA	1:A:77:TRP:C	6	0.21
(1,619)	1:A:78:LEU:CA	1:A:79:TYR:C	6	0.21
(1,619)	1:A:70:ARG:CA	1:A:68:PRO:C	6	0.21
(1,619)	1:A:87:LEU:CA	1:A:84:GLY:C	6	0.21
(1,619)	1:A:44:CYS:CA	1:A:44:CYS:C	10	0.21
(1,619)	1:A:78:LEU:CA	1:A:77:TRP:C	10	0.21
(1,619)	1:A:78:LEU:CA	1:A:79:TYR:C	10	0.21
(1,619)	1:A:70:ARG:CA	1:A:68:PRO:C	10	0.21
(1,619)	1:A:87:LEU:CA	1:A:84:GLY:C	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,618)	1:A:78:LEU:CA	1:A:79:TYR:C	4	0.21
(1,618)	1:A:70:ARG:CA	1:A:70:ARG:C	4	0.21
(1,618)	1:A:87:LEU:CA	1:A:85:VAL:C	4	0.21
(1,618)	1:A:23:LEU:CA	1:A:20:PHE:C	4	0.21
(1,618)	1:A:78:LEU:CA	1:A:79:TYR:C	6	0.21
(1,618)	1:A:70:ARG:CA	1:A:70:ARG:C	6	0.21
(1,618)	1:A:87:LEU:CA	1:A:85:VAL:C	6	0.21
(1,618)	1:A:23:LEU:CA	1:A:20:PHE:C	6	0.21
(1,618)	1:A:78:LEU:CA	1:A:79:TYR:C	7	0.21
(1,618)	1:A:70:ARG:CA	1:A:70:ARG:C	7	0.21
(1,618)	1:A:87:LEU:CA	1:A:85:VAL:C	7	0.21
(1,618)	1:A:23:LEU:CA	1:A:20:PHE:C	7	0.21
(1,618)	1:A:78:LEU:CA	1:A:79:TYR:C	10	0.21
(1,618)	1:A:70:ARG:CA	1:A:70:ARG:C	10	0.21
(1,618)	1:A:87:LEU:CA	1:A:85:VAL:C	10	0.21
(1,618)	1:A:23:LEU:CA	1:A:20:PHE:C	10	0.21
(1,615)	1:A:36:MET:CA	1:A:36:MET:C	1	0.21
(1,615)	1:A:37:LEU:CA	1:A:36:MET:C	1	0.21
(1,615)	1:A:36:MET:CA	1:A:36:MET:C	2	0.21
(1,615)	1:A:37:LEU:CA	1:A:36:MET:C	2	0.21
(1,615)	1:A:36:MET:CA	1:A:36:MET:C	3	0.21
(1,615)	1:A:37:LEU:CA	1:A:36:MET:C	3	0.21
(1,615)	1:A:36:MET:CA	1:A:36:MET:C	5	0.21
(1,615)	1:A:37:LEU:CA	1:A:36:MET:C	5	0.21
(1,615)	1:A:36:MET:CA	1:A:36:MET:C	7	0.21
(1,615)	1:A:37:LEU:CA	1:A:36:MET:C	7	0.21
(1,615)	1:A:36:MET:CA	1:A:36:MET:C	10	0.21
(1,615)	1:A:37:LEU:CA	1:A:36:MET:C	10	0.21
(1,51)	1:A:105:ASP:CB	1:A:105:ASP:CA	4	0.21
(1,51)	1:A:105:ASP:CB	1:A:105:ASP:CA	5	0.21
(1,51)	1:A:105:ASP:CB	1:A:105:ASP:CA	7	0.21
(1,51)	1:A:105:ASP:CB	1:A:105:ASP:CA	8	0.21
(1,51)	1:A:105:ASP:CB	1:A:105:ASP:CA	10	0.21
(1,487)	1:A:48:ARG:CG	1:A:48:ARG:CB	1	0.21
(1,487)	1:A:48:ARG:CG	1:A:48:ARG:CB	2	0.21
(1,487)	1:A:48:ARG:CG	1:A:48:ARG:CB	3	0.21
(1,487)	1:A:48:ARG:CG	1:A:48:ARG:CB	4	0.21
(1,487)	1:A:48:ARG:CG	1:A:48:ARG:CB	5	0.21
(1,487)	1:A:48:ARG:CG	1:A:48:ARG:CB	8	0.21
(1,487)	1:A:48:ARG:CG	1:A:48:ARG:CB	9	0.21
(1,487)	1:A:48:ARG:CG	1:A:48:ARG:CB	10	0.21
(1,45)	1:A:63:ILE:CB	1:A:63:ILE:CA	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:A:63:ILE:CB	1:A:63:ILE:CA	5	0.21
(1,334)	1:A:29:ALA:CA	1:A:28:THR:C	1	0.21
(1,334)	1:A:36:MET:CA	1:A:36:MET:C	1	0.21
(1,334)	1:A:29:ALA:CA	1:A:28:THR:C	2	0.21
(1,334)	1:A:36:MET:CA	1:A:36:MET:C	2	0.21
(1,334)	1:A:29:ALA:CA	1:A:28:THR:C	3	0.21
(1,334)	1:A:36:MET:CA	1:A:36:MET:C	3	0.21
(1,334)	1:A:29:ALA:CA	1:A:28:THR:C	5	0.21
(1,334)	1:A:36:MET:CA	1:A:36:MET:C	5	0.21
(1,334)	1:A:29:ALA:CA	1:A:28:THR:C	7	0.21
(1,334)	1:A:36:MET:CA	1:A:36:MET:C	7	0.21
(1,334)	1:A:29:ALA:CA	1:A:28:THR:C	10	0.21
(1,334)	1:A:36:MET:CA	1:A:36:MET:C	10	0.21
(1,323)	1:A:70:ARG:CA	1:A:68:PRO:C	4	0.21
(1,323)	1:A:70:ARG:CA	1:A:70:ARG:C	4	0.21
(1,323)	1:A:70:ARG:CA	1:A:68:PRO:C	6	0.21
(1,323)	1:A:70:ARG:CA	1:A:70:ARG:C	6	0.21
(1,323)	1:A:70:ARG:CA	1:A:68:PRO:C	7	0.21
(1,323)	1:A:70:ARG:CA	1:A:70:ARG:C	7	0.21
(1,323)	1:A:70:ARG:CA	1:A:68:PRO:C	10	0.21
(1,323)	1:A:70:ARG:CA	1:A:70:ARG:C	10	0.21
(1,320)	1:A:77:TRP:CA	1:A:74:MET:C	3	0.21
(1,320)	1:A:34:HIS:CA	1:A:33:GLN:C	3	0.21
(1,320)	1:A:44:CYS:CA	1:A:44:CYS:C	3	0.21
(1,320)	1:A:46:TYR:CA	1:A:44:CYS:C	3	0.21
(1,320)	1:A:77:TRP:CA	1:A:74:MET:C	6	0.21
(1,320)	1:A:34:HIS:CA	1:A:33:GLN:C	6	0.21
(1,320)	1:A:44:CYS:CA	1:A:44:CYS:C	6	0.21
(1,320)	1:A:46:TYR:CA	1:A:44:CYS:C	6	0.21
(1,320)	1:A:77:TRP:CA	1:A:74:MET:C	10	0.21
(1,320)	1:A:34:HIS:CA	1:A:33:GLN:C	10	0.21
(1,320)	1:A:44:CYS:CA	1:A:44:CYS:C	10	0.21
(1,320)	1:A:46:TYR:CA	1:A:44:CYS:C	10	0.21
(1,189)	1:A:48:ARG:CG	1:A:48:ARG:CB	1	0.21
(1,189)	1:A:48:ARG:CG	1:A:48:ARG:CB	2	0.21
(1,189)	1:A:48:ARG:CG	1:A:48:ARG:CB	3	0.21
(1,189)	1:A:48:ARG:CG	1:A:48:ARG:CB	4	0.21
(1,189)	1:A:48:ARG:CG	1:A:48:ARG:CB	5	0.21
(1,189)	1:A:48:ARG:CG	1:A:48:ARG:CB	8	0.21
(1,189)	1:A:48:ARG:CG	1:A:48:ARG:CB	9	0.21
(1,189)	1:A:48:ARG:CG	1:A:48:ARG:CB	10	0.21
(1,1312)	1:D:63:ILE:CD1	1:D:60:ILE:CG1	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1312)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	1	0.21
(1,1312)	1:D:63:ILE:CD1	1:D:60:ILE:CG1	2	0.21
(1,1312)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	2	0.21
(1,1312)	1:D:63:ILE:CD1	1:D:60:ILE:CG1	3	0.21
(1,1312)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	3	0.21
(1,1312)	1:D:63:ILE:CD1	1:D:60:ILE:CG1	4	0.21
(1,1312)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	4	0.21
(1,1312)	1:D:63:ILE:CD1	1:D:60:ILE:CG1	5	0.21
(1,1312)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	5	0.21
(1,1312)	1:D:63:ILE:CD1	1:D:60:ILE:CG1	6	0.21
(1,1312)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	6	0.21
(1,1312)	1:D:63:ILE:CD1	1:D:60:ILE:CG1	8	0.21
(1,1312)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	8	0.21
(1,1312)	1:D:63:ILE:CD1	1:D:60:ILE:CG1	9	0.21
(1,1312)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	9	0.21
(1,1312)	1:D:63:ILE:CD1	1:D:60:ILE:CG1	10	0.21
(1,1312)	1:D:149:ILE:CD1	1:D:149:ILE:CG1	10	0.21
(1,1286)	1:D:44:CYS:CA	1:D:44:CYS:C	5	0.21
(1,1286)	1:D:78:LEU:CA	1:D:77:TRP:C	5	0.21
(1,1286)	1:D:78:LEU:CA	1:D:79:TYR:C	5	0.21
(1,1286)	1:D:70:ARG:CA	1:D:68:PRO:C	5	0.21
(1,1286)	1:D:87:LEU:CA	1:D:84:GLY:C	5	0.21
(1,1286)	1:D:44:CYS:CA	1:D:44:CYS:C	7	0.21
(1,1286)	1:D:78:LEU:CA	1:D:77:TRP:C	7	0.21
(1,1286)	1:D:78:LEU:CA	1:D:79:TYR:C	7	0.21
(1,1286)	1:D:70:ARG:CA	1:D:68:PRO:C	7	0.21
(1,1286)	1:D:87:LEU:CA	1:D:84:GLY:C	7	0.21
(1,1286)	1:D:44:CYS:CA	1:D:44:CYS:C	9	0.21
(1,1286)	1:D:78:LEU:CA	1:D:77:TRP:C	9	0.21
(1,1286)	1:D:78:LEU:CA	1:D:79:TYR:C	9	0.21
(1,1286)	1:D:70:ARG:CA	1:D:68:PRO:C	9	0.21
(1,1286)	1:D:87:LEU:CA	1:D:84:GLY:C	9	0.21
(1,1286)	1:D:44:CYS:CA	1:D:44:CYS:C	10	0.21
(1,1286)	1:D:78:LEU:CA	1:D:77:TRP:C	10	0.21
(1,1286)	1:D:78:LEU:CA	1:D:79:TYR:C	10	0.21
(1,1286)	1:D:70:ARG:CA	1:D:68:PRO:C	10	0.21
(1,1286)	1:D:87:LEU:CA	1:D:84:GLY:C	10	0.21
(1,1285)	1:D:78:LEU:CA	1:D:79:TYR:C	3	0.21
(1,1285)	1:D:70:ARG:CA	1:D:70:ARG:C	3	0.21
(1,1285)	1:D:87:LEU:CA	1:D:85:VAL:C	3	0.21
(1,1285)	1:D:23:LEU:CA	1:D:20:PHE:C	3	0.21
(1,1285)	1:D:78:LEU:CA	1:D:79:TYR:C	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1285)	1:D:70:ARG:CA	1:D:70:ARG:C	4	0.21
(1,1285)	1:D:87:LEU:CA	1:D:85:VAL:C	4	0.21
(1,1285)	1:D:23:LEU:CA	1:D:20:PHE:C	4	0.21
(1,1285)	1:D:78:LEU:CA	1:D:79:TYR:C	8	0.21
(1,1285)	1:D:70:ARG:CA	1:D:70:ARG:C	8	0.21
(1,1285)	1:D:87:LEU:CA	1:D:85:VAL:C	8	0.21
(1,1285)	1:D:23:LEU:CA	1:D:20:PHE:C	8	0.21
(1,1285)	1:D:78:LEU:CA	1:D:79:TYR:C	9	0.21
(1,1285)	1:D:70:ARG:CA	1:D:70:ARG:C	9	0.21
(1,1285)	1:D:87:LEU:CA	1:D:85:VAL:C	9	0.21
(1,1285)	1:D:23:LEU:CA	1:D:20:PHE:C	9	0.21
(1,1285)	1:D:78:LEU:CA	1:D:79:TYR:C	10	0.21
(1,1285)	1:D:70:ARG:CA	1:D:70:ARG:C	10	0.21
(1,1285)	1:D:87:LEU:CA	1:D:85:VAL:C	10	0.21
(1,1285)	1:D:23:LEU:CA	1:D:20:PHE:C	10	0.21
(1,1282)	1:D:36:MET:CA	1:D:36:MET:C	1	0.21
(1,1282)	1:D:37:LEU:CA	1:D:36:MET:C	1	0.21
(1,1282)	1:D:36:MET:CA	1:D:36:MET:C	2	0.21
(1,1282)	1:D:37:LEU:CA	1:D:36:MET:C	2	0.21
(1,1282)	1:D:36:MET:CA	1:D:36:MET:C	3	0.21
(1,1282)	1:D:37:LEU:CA	1:D:36:MET:C	3	0.21
(1,1282)	1:D:36:MET:CA	1:D:36:MET:C	4	0.21
(1,1282)	1:D:37:LEU:CA	1:D:36:MET:C	4	0.21
(1,1282)	1:D:36:MET:CA	1:D:36:MET:C	5	0.21
(1,1282)	1:D:37:LEU:CA	1:D:36:MET:C	5	0.21
(1,1282)	1:D:36:MET:CA	1:D:36:MET:C	6	0.21
(1,1282)	1:D:37:LEU:CA	1:D:36:MET:C	6	0.21
(1,1282)	1:D:36:MET:CA	1:D:36:MET:C	8	0.21
(1,1282)	1:D:37:LEU:CA	1:D:36:MET:C	8	0.21
(1,1282)	1:D:36:MET:CA	1:D:36:MET:C	9	0.21
(1,1282)	1:D:37:LEU:CA	1:D:36:MET:C	9	0.21
(1,1282)	1:D:36:MET:CA	1:D:36:MET:C	10	0.21
(1,1282)	1:D:37:LEU:CA	1:D:36:MET:C	10	0.21
(1,1205)	1:D:68:PRO:CB	1:D:70:ARG:C	5	0.21
(1,1154)	1:D:48:ARG:CG	1:D:48:ARG:CB	1	0.21
(1,1154)	1:D:48:ARG:CG	1:D:48:ARG:CB	2	0.21
(1,1154)	1:D:48:ARG:CG	1:D:48:ARG:CB	6	0.21
(1,1153)	1:D:68:PRO:CG	1:D:68:PRO:CB	1	0.21
(1,1153)	1:D:68:PRO:CG	1:D:68:PRO:CB	2	0.21
(1,1153)	1:D:68:PRO:CG	1:D:68:PRO:CB	4	0.21
(1,1153)	1:D:68:PRO:CG	1:D:68:PRO:CB	8	0.21
(1,1153)	1:D:68:PRO:CG	1:D:68:PRO:CB	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1152)	1:D:68:PRO:CG	1:D:68:PRO:CB	1	0.21
(1,1152)	1:D:68:PRO:CG	1:D:68:PRO:CB	2	0.21
(1,1152)	1:D:68:PRO:CG	1:D:68:PRO:CB	4	0.21
(1,1152)	1:D:68:PRO:CG	1:D:68:PRO:CB	8	0.21
(1,1152)	1:D:68:PRO:CG	1:D:68:PRO:CB	10	0.21
(1,1141)	1:D:44:CYS:CB	1:D:44:CYS:CA	2	0.21
(1,1141)	1:D:48:ARG:CG	1:D:47:GLU:CA	2	0.21
(1,1141)	1:D:44:CYS:CB	1:D:44:CYS:CA	3	0.21
(1,1141)	1:D:48:ARG:CG	1:D:47:GLU:CA	3	0.21
(1,1141)	1:D:44:CYS:CB	1:D:44:CYS:CA	6	0.21
(1,1141)	1:D:48:ARG:CG	1:D:47:GLU:CA	6	0.21
(1,1141)	1:D:44:CYS:CB	1:D:44:CYS:CA	8	0.21
(1,1141)	1:D:48:ARG:CG	1:D:47:GLU:CA	8	0.21
(1,105)	1:A:120:VAL:CB	1:A:120:VAL:CA	1	0.21
(1,105)	1:A:120:VAL:CB	1:A:122:GLN:CA	1	0.21
(1,105)	1:A:121:PRO:CB	1:A:120:VAL:CA	1	0.21
(1,105)	1:A:121:PRO:CB	1:A:122:GLN:CA	1	0.21
(1,105)	1:A:120:VAL:CB	1:A:120:VAL:CA	2	0.21
(1,105)	1:A:120:VAL:CB	1:A:122:GLN:CA	2	0.21
(1,105)	1:A:121:PRO:CB	1:A:120:VAL:CA	2	0.21
(1,105)	1:A:121:PRO:CB	1:A:122:GLN:CA	2	0.21
(1,105)	1:A:120:VAL:CB	1:A:120:VAL:CA	3	0.21
(1,105)	1:A:120:VAL:CB	1:A:122:GLN:CA	3	0.21
(1,105)	1:A:121:PRO:CB	1:A:120:VAL:CA	3	0.21
(1,105)	1:A:121:PRO:CB	1:A:122:GLN:CA	3	0.21
(1,105)	1:A:120:VAL:CB	1:A:120:VAL:CA	9	0.21
(1,105)	1:A:120:VAL:CB	1:A:122:GLN:CA	9	0.21
(1,105)	1:A:121:PRO:CB	1:A:120:VAL:CA	9	0.21
(1,105)	1:A:121:PRO:CB	1:A:122:GLN:CA	9	0.21
(1,105)	1:A:120:VAL:CB	1:A:120:VAL:CA	10	0.21
(1,105)	1:A:120:VAL:CB	1:A:122:GLN:CA	10	0.21
(1,105)	1:A:121:PRO:CB	1:A:120:VAL:CA	10	0.21
(1,105)	1:A:121:PRO:CB	1:A:122:GLN:CA	10	0.21
(1,1001)	1:D:29:ALA:CA	1:D:28:THR:C	1	0.21
(1,1001)	1:D:36:MET:CA	1:D:36:MET:C	1	0.21
(1,1001)	1:D:29:ALA:CA	1:D:28:THR:C	2	0.21
(1,1001)	1:D:36:MET:CA	1:D:36:MET:C	2	0.21
(1,1001)	1:D:29:ALA:CA	1:D:28:THR:C	3	0.21
(1,1001)	1:D:36:MET:CA	1:D:36:MET:C	3	0.21
(1,1001)	1:D:29:ALA:CA	1:D:28:THR:C	5	0.21
(1,1001)	1:D:36:MET:CA	1:D:36:MET:C	5	0.21
(1,1001)	1:D:29:ALA:CA	1:D:28:THR:C	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1001)	1:D:36:MET:CA	1:D:36:MET:C	6	0.21
(1,1001)	1:D:29:ALA:CA	1:D:28:THR:C	8	0.21
(1,1001)	1:D:36:MET:CA	1:D:36:MET:C	8	0.21
(1,1001)	1:D:29:ALA:CA	1:D:28:THR:C	9	0.21
(1,1001)	1:D:36:MET:CA	1:D:36:MET:C	9	0.21
(1,1001)	1:D:29:ALA:CA	1:D:28:THR:C	10	0.21
(1,1001)	1:D:36:MET:CA	1:D:36:MET:C	10	0.21
(1,990)	1:D:70:ARG:CA	1:D:68:PRO:C	5	0.2
(1,990)	1:D:70:ARG:CA	1:D:70:ARG:C	5	0.2
(1,990)	1:D:70:ARG:CA	1:D:68:PRO:C	7	0.2
(1,990)	1:D:70:ARG:CA	1:D:70:ARG:C	7	0.2
(1,975)	1:D:74:MET:CA	1:D:74:MET:C	1	0.2
(1,975)	1:D:32:PHE:CA	1:D:33:GLN:C	1	0.2
(1,975)	1:D:74:MET:CA	1:D:74:MET:C	2	0.2
(1,975)	1:D:32:PHE:CA	1:D:33:GLN:C	2	0.2
(1,975)	1:D:74:MET:CA	1:D:74:MET:C	4	0.2
(1,975)	1:D:32:PHE:CA	1:D:33:GLN:C	4	0.2
(1,975)	1:D:74:MET:CA	1:D:74:MET:C	5	0.2
(1,975)	1:D:32:PHE:CA	1:D:33:GLN:C	5	0.2
(1,975)	1:D:74:MET:CA	1:D:74:MET:C	6	0.2
(1,975)	1:D:32:PHE:CA	1:D:33:GLN:C	6	0.2
(1,975)	1:D:74:MET:CA	1:D:74:MET:C	8	0.2
(1,975)	1:D:32:PHE:CA	1:D:33:GLN:C	8	0.2
(1,87)	1:A:35:VAL:CB	1:A:35:VAL:CA	1	0.2
(1,87)	1:A:35:VAL:CB	1:A:35:VAL:CA	2	0.2
(1,87)	1:A:35:VAL:CB	1:A:35:VAL:CA	3	0.2
(1,87)	1:A:35:VAL:CB	1:A:35:VAL:CA	4	0.2
(1,87)	1:A:35:VAL:CB	1:A:35:VAL:CA	5	0.2
(1,87)	1:A:35:VAL:CB	1:A:35:VAL:CA	6	0.2
(1,87)	1:A:35:VAL:CB	1:A:35:VAL:CA	7	0.2
(1,87)	1:A:35:VAL:CB	1:A:35:VAL:CA	8	0.2
(1,87)	1:A:35:VAL:CB	1:A:35:VAL:CA	9	0.2
(1,87)	1:A:35:VAL:CB	1:A:35:VAL:CA	10	0.2
(1,856)	1:D:48:ARG:CG	1:D:48:ARG:CB	3	0.2
(1,856)	1:D:48:ARG:CG	1:D:48:ARG:CB	4	0.2
(1,856)	1:D:48:ARG:CG	1:D:48:ARG:CB	5	0.2
(1,856)	1:D:48:ARG:CG	1:D:48:ARG:CB	7	0.2
(1,856)	1:D:48:ARG:CG	1:D:48:ARG:CB	8	0.2
(1,856)	1:D:48:ARG:CG	1:D:48:ARG:CB	9	0.2
(1,856)	1:D:48:ARG:CG	1:D:48:ARG:CB	10	0.2
(1,848)	1:D:151:ILE:CG1	1:D:151:ILE:CB	1	0.2
(1,848)	1:D:151:ILE:CG1	1:D:151:ILE:CB	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	1:D:151:ILE:CG1	1:D:151:ILE:CB	3	0.2
(1,848)	1:D:151:ILE:CG1	1:D:151:ILE:CB	4	0.2
(1,848)	1:D:151:ILE:CG1	1:D:151:ILE:CB	5	0.2
(1,848)	1:D:151:ILE:CG1	1:D:151:ILE:CB	9	0.2
(1,848)	1:D:151:ILE:CG1	1:D:151:ILE:CB	10	0.2
(1,847)	1:D:151:ILE:CG1	1:D:151:ILE:CB	1	0.2
(1,847)	1:D:151:ILE:CG1	1:D:151:ILE:CB	2	0.2
(1,847)	1:D:151:ILE:CG1	1:D:151:ILE:CB	3	0.2
(1,847)	1:D:151:ILE:CG1	1:D:151:ILE:CB	4	0.2
(1,847)	1:D:151:ILE:CG1	1:D:151:ILE:CB	5	0.2
(1,847)	1:D:151:ILE:CG1	1:D:151:ILE:CB	9	0.2
(1,847)	1:D:151:ILE:CG1	1:D:151:ILE:CB	10	0.2
(1,803)	1:D:48:ARG:CG	1:D:47:GLU:CA	1	0.2
(1,803)	1:D:44:CYS:CB	1:D:44:CYS:CA	1	0.2
(1,803)	1:D:48:ARG:CG	1:D:47:GLU:CA	4	0.2
(1,803)	1:D:44:CYS:CB	1:D:44:CYS:CA	4	0.2
(1,803)	1:D:48:ARG:CG	1:D:47:GLU:CA	5	0.2
(1,803)	1:D:44:CYS:CB	1:D:44:CYS:CA	5	0.2
(1,803)	1:D:48:ARG:CG	1:D:47:GLU:CA	7	0.2
(1,803)	1:D:44:CYS:CB	1:D:44:CYS:CA	7	0.2
(1,803)	1:D:48:ARG:CG	1:D:47:GLU:CA	9	0.2
(1,803)	1:D:44:CYS:CB	1:D:44:CYS:CA	9	0.2
(1,803)	1:D:48:ARG:CG	1:D:47:GLU:CA	10	0.2
(1,803)	1:D:44:CYS:CB	1:D:44:CYS:CA	10	0.2
(1,777)	1:D:18:MET:CB	1:D:18:MET:CA	2	0.2
(1,777)	1:D:75:VAL:CB	1:D:74:MET:CA	2	0.2
(1,777)	1:D:18:MET:CB	1:D:18:MET:CA	3	0.2
(1,777)	1:D:75:VAL:CB	1:D:74:MET:CA	3	0.2
(1,777)	1:D:18:MET:CB	1:D:18:MET:CA	4	0.2
(1,777)	1:D:75:VAL:CB	1:D:74:MET:CA	4	0.2
(1,777)	1:D:18:MET:CB	1:D:18:MET:CA	6	0.2
(1,777)	1:D:75:VAL:CB	1:D:74:MET:CA	6	0.2
(1,773)	1:D:49:VAL:CB	1:D:48:ARG:CA	2	0.2
(1,773)	1:D:75:VAL:CB	1:D:74:MET:CA	2	0.2
(1,773)	1:D:76:ILE:CG1	1:D:74:MET:CA	2	0.2
(1,773)	1:D:18:MET:CB	1:D:18:MET:CA	2	0.2
(1,773)	1:D:72:VAL:CB	1:D:74:MET:CA	2	0.2
(1,773)	1:D:49:VAL:CB	1:D:48:ARG:CA	3	0.2
(1,773)	1:D:75:VAL:CB	1:D:74:MET:CA	3	0.2
(1,773)	1:D:76:ILE:CG1	1:D:74:MET:CA	3	0.2
(1,773)	1:D:18:MET:CB	1:D:18:MET:CA	3	0.2
(1,773)	1:D:72:VAL:CB	1:D:74:MET:CA	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,773)	1:D:49:VAL:CB	1:D:48:ARG:CA	4	0.2
(1,773)	1:D:75:VAL:CB	1:D:74:MET:CA	4	0.2
(1,773)	1:D:76:ILE:CG1	1:D:74:MET:CA	4	0.2
(1,773)	1:D:18:MET:CB	1:D:18:MET:CA	4	0.2
(1,773)	1:D:72:VAL:CB	1:D:74:MET:CA	4	0.2
(1,773)	1:D:49:VAL:CB	1:D:48:ARG:CA	6	0.2
(1,773)	1:D:75:VAL:CB	1:D:74:MET:CA	6	0.2
(1,773)	1:D:76:ILE:CG1	1:D:74:MET:CA	6	0.2
(1,773)	1:D:18:MET:CB	1:D:18:MET:CA	6	0.2
(1,773)	1:D:72:VAL:CB	1:D:74:MET:CA	6	0.2
(1,772)	1:D:120:VAL:CB	1:D:120:VAL:CA	1	0.2
(1,772)	1:D:120:VAL:CB	1:D:122:GLN:CA	1	0.2
(1,772)	1:D:121:PRO:CB	1:D:120:VAL:CA	1	0.2
(1,772)	1:D:121:PRO:CB	1:D:122:GLN:CA	1	0.2
(1,772)	1:D:120:VAL:CB	1:D:120:VAL:CA	5	0.2
(1,772)	1:D:120:VAL:CB	1:D:122:GLN:CA	5	0.2
(1,772)	1:D:121:PRO:CB	1:D:120:VAL:CA	5	0.2
(1,772)	1:D:121:PRO:CB	1:D:122:GLN:CA	5	0.2
(1,770)	1:D:108:VAL:CB	1:D:108:VAL:CA	1	0.2
(1,770)	1:D:108:VAL:CB	1:D:108:VAL:CA	2	0.2
(1,770)	1:D:108:VAL:CB	1:D:108:VAL:CA	4	0.2
(1,770)	1:D:108:VAL:CB	1:D:108:VAL:CA	6	0.2
(1,770)	1:D:108:VAL:CB	1:D:108:VAL:CA	8	0.2
(1,770)	1:D:108:VAL:CB	1:D:108:VAL:CA	9	0.2
(1,770)	1:D:108:VAL:CB	1:D:108:VAL:CA	10	0.2
(1,765)	1:D:74:MET:CB	1:D:74:MET:CA	1	0.2
(1,765)	1:D:18:MET:CG	1:D:18:MET:CA	1	0.2
(1,765)	1:D:68:PRO:CB	1:D:67:THR:CA	1	0.2
(1,765)	1:D:74:MET:CB	1:D:74:MET:CA	4	0.2
(1,765)	1:D:18:MET:CG	1:D:18:MET:CA	4	0.2
(1,765)	1:D:68:PRO:CB	1:D:67:THR:CA	4	0.2
(1,765)	1:D:74:MET:CB	1:D:74:MET:CA	8	0.2
(1,765)	1:D:18:MET:CG	1:D:18:MET:CA	8	0.2
(1,765)	1:D:68:PRO:CB	1:D:67:THR:CA	8	0.2
(1,763)	1:D:18:MET:CG	1:D:18:MET:CA	1	0.2
(1,763)	1:D:74:MET:CB	1:D:74:MET:CA	1	0.2
(1,763)	1:D:18:MET:CG	1:D:18:MET:CA	4	0.2
(1,763)	1:D:74:MET:CB	1:D:74:MET:CA	4	0.2
(1,763)	1:D:18:MET:CG	1:D:18:MET:CA	8	0.2
(1,763)	1:D:74:MET:CB	1:D:74:MET:CA	8	0.2
(1,754)	1:D:35:VAL:CB	1:D:35:VAL:CA	1	0.2
(1,754)	1:D:35:VAL:CB	1:D:35:VAL:CA	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,754)	1:D:35:VAL:CB	1:D:35:VAL:CA	3	0.2
(1,754)	1:D:35:VAL:CB	1:D:35:VAL:CA	4	0.2
(1,754)	1:D:35:VAL:CB	1:D:35:VAL:CA	5	0.2
(1,754)	1:D:35:VAL:CB	1:D:35:VAL:CA	6	0.2
(1,754)	1:D:35:VAL:CB	1:D:35:VAL:CA	7	0.2
(1,754)	1:D:35:VAL:CB	1:D:35:VAL:CA	8	0.2
(1,754)	1:D:35:VAL:CB	1:D:35:VAL:CA	9	0.2
(1,754)	1:D:35:VAL:CB	1:D:35:VAL:CA	10	0.2
(1,751)	1:D:75:VAL:CB	1:D:75:VAL:CA	2	0.2
(1,751)	1:D:75:VAL:CB	1:D:75:VAL:CA	3	0.2
(1,751)	1:D:75:VAL:CB	1:D:75:VAL:CA	4	0.2
(1,751)	1:D:75:VAL:CB	1:D:75:VAL:CA	6	0.2
(1,751)	1:D:75:VAL:CB	1:D:75:VAL:CA	9	0.2
(1,751)	1:D:75:VAL:CB	1:D:75:VAL:CA	10	0.2
(1,712)	1:D:63:ILE:CB	1:D:63:ILE:CA	1	0.2
(1,712)	1:D:63:ILE:CB	1:D:63:ILE:CA	2	0.2
(1,712)	1:D:63:ILE:CB	1:D:63:ILE:CA	4	0.2
(1,712)	1:D:63:ILE:CB	1:D:63:ILE:CA	6	0.2
(1,712)	1:D:63:ILE:CB	1:D:63:ILE:CA	7	0.2
(1,712)	1:D:63:ILE:CB	1:D:63:ILE:CA	8	0.2
(1,712)	1:D:63:ILE:CB	1:D:63:ILE:CA	10	0.2
(1,711)	1:D:76:ILE:CB	1:D:75:VAL:CA	2	0.2
(1,711)	1:D:155:ILE:CB	1:D:155:ILE:CA	2	0.2
(1,711)	1:D:155:ILE:CB	1:D:156:VAL:CA	2	0.2
(1,711)	1:D:76:ILE:CB	1:D:75:VAL:CA	5	0.2
(1,711)	1:D:155:ILE:CB	1:D:155:ILE:CA	5	0.2
(1,711)	1:D:155:ILE:CB	1:D:156:VAL:CA	5	0.2
(1,711)	1:D:76:ILE:CB	1:D:75:VAL:CA	6	0.2
(1,711)	1:D:155:ILE:CB	1:D:155:ILE:CA	6	0.2
(1,711)	1:D:155:ILE:CB	1:D:156:VAL:CA	6	0.2
(1,711)	1:D:76:ILE:CB	1:D:75:VAL:CA	7	0.2
(1,711)	1:D:155:ILE:CB	1:D:155:ILE:CA	7	0.2
(1,711)	1:D:155:ILE:CB	1:D:156:VAL:CA	7	0.2
(1,711)	1:D:76:ILE:CB	1:D:75:VAL:CA	8	0.2
(1,711)	1:D:155:ILE:CB	1:D:155:ILE:CA	8	0.2
(1,711)	1:D:155:ILE:CB	1:D:156:VAL:CA	8	0.2
(1,645)	1:A:63:ILE:CD1	1:A:60:ILE:CG1	1	0.2
(1,645)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	1	0.2
(1,645)	1:A:63:ILE:CD1	1:A:60:ILE:CG1	3	0.2
(1,645)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	3	0.2
(1,645)	1:A:63:ILE:CD1	1:A:60:ILE:CG1	4	0.2
(1,645)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:A:63:ILE:CD1	1:A:60:ILE:CG1	5	0.2
(1,645)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	5	0.2
(1,645)	1:A:63:ILE:CD1	1:A:60:ILE:CG1	7	0.2
(1,645)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	7	0.2
(1,645)	1:A:63:ILE:CD1	1:A:60:ILE:CG1	8	0.2
(1,645)	1:A:149:ILE:CD1	1:A:149:ILE:CG1	8	0.2
(1,618)	1:A:78:LEU:CA	1:A:79:TYR:C	1	0.2
(1,618)	1:A:70:ARG:CA	1:A:70:ARG:C	1	0.2
(1,618)	1:A:87:LEU:CA	1:A:85:VAL:C	1	0.2
(1,618)	1:A:23:LEU:CA	1:A:20:PHE:C	1	0.2
(1,618)	1:A:78:LEU:CA	1:A:79:TYR:C	2	0.2
(1,618)	1:A:70:ARG:CA	1:A:70:ARG:C	2	0.2
(1,618)	1:A:87:LEU:CA	1:A:85:VAL:C	2	0.2
(1,618)	1:A:23:LEU:CA	1:A:20:PHE:C	2	0.2
(1,618)	1:A:78:LEU:CA	1:A:79:TYR:C	3	0.2
(1,618)	1:A:70:ARG:CA	1:A:70:ARG:C	3	0.2
(1,618)	1:A:87:LEU:CA	1:A:85:VAL:C	3	0.2
(1,618)	1:A:23:LEU:CA	1:A:20:PHE:C	3	0.2
(1,618)	1:A:78:LEU:CA	1:A:79:TYR:C	5	0.2
(1,618)	1:A:70:ARG:CA	1:A:70:ARG:C	5	0.2
(1,618)	1:A:87:LEU:CA	1:A:85:VAL:C	5	0.2
(1,618)	1:A:23:LEU:CA	1:A:20:PHE:C	5	0.2
(1,618)	1:A:78:LEU:CA	1:A:79:TYR:C	9	0.2
(1,618)	1:A:70:ARG:CA	1:A:70:ARG:C	9	0.2
(1,618)	1:A:87:LEU:CA	1:A:85:VAL:C	9	0.2
(1,618)	1:A:23:LEU:CA	1:A:20:PHE:C	9	0.2
(1,594)	1:A:68:PRO:CA	1:A:68:PRO:C	1	0.2
(1,594)	1:A:162:ILE:CA	1:A:158:VAL:C	1	0.2
(1,594)	1:A:162:ILE:CA	1:A:161:VAL:C	1	0.2
(1,594)	1:A:68:PRO:CA	1:A:68:PRO:C	6	0.2
(1,594)	1:A:162:ILE:CA	1:A:158:VAL:C	6	0.2
(1,594)	1:A:162:ILE:CA	1:A:161:VAL:C	6	0.2
(1,594)	1:A:68:PRO:CA	1:A:68:PRO:C	9	0.2
(1,594)	1:A:162:ILE:CA	1:A:158:VAL:C	9	0.2
(1,594)	1:A:162:ILE:CA	1:A:161:VAL:C	9	0.2
(1,487)	1:A:48:ARG:CG	1:A:48:ARG:CB	6	0.2
(1,487)	1:A:48:ARG:CG	1:A:48:ARG:CB	7	0.2
(1,474)	1:A:44:CYS:CB	1:A:44:CYS:CA	2	0.2
(1,474)	1:A:48:ARG:CG	1:A:47:GLU:CA	2	0.2
(1,474)	1:A:44:CYS:CB	1:A:44:CYS:CA	4	0.2
(1,474)	1:A:48:ARG:CG	1:A:47:GLU:CA	4	0.2
(1,474)	1:A:44:CYS:CB	1:A:44:CYS:CA	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:A:48:ARG:CG	1:A:47:GLU:CA	6	0.2
(1,474)	1:A:44:CYS:CB	1:A:44:CYS:CA	9	0.2
(1,474)	1:A:48:ARG:CG	1:A:47:GLU:CA	9	0.2
(1,45)	1:A:63:ILE:CB	1:A:63:ILE:CA	1	0.2
(1,45)	1:A:63:ILE:CB	1:A:63:ILE:CA	2	0.2
(1,45)	1:A:63:ILE:CB	1:A:63:ILE:CA	3	0.2
(1,45)	1:A:63:ILE:CB	1:A:63:ILE:CA	6	0.2
(1,45)	1:A:63:ILE:CB	1:A:63:ILE:CA	9	0.2
(1,45)	1:A:63:ILE:CB	1:A:63:ILE:CA	10	0.2
(1,44)	1:A:76:ILE:CB	1:A:75:VAL:CA	4	0.2
(1,44)	1:A:155:ILE:CB	1:A:155:ILE:CA	4	0.2
(1,44)	1:A:155:ILE:CB	1:A:156:VAL:CA	4	0.2
(1,44)	1:A:76:ILE:CB	1:A:75:VAL:CA	5	0.2
(1,44)	1:A:155:ILE:CB	1:A:155:ILE:CA	5	0.2
(1,44)	1:A:155:ILE:CB	1:A:156:VAL:CA	5	0.2
(1,44)	1:A:76:ILE:CB	1:A:75:VAL:CA	6	0.2
(1,44)	1:A:155:ILE:CB	1:A:155:ILE:CA	6	0.2
(1,44)	1:A:155:ILE:CB	1:A:156:VAL:CA	6	0.2
(1,44)	1:A:76:ILE:CB	1:A:75:VAL:CA	8	0.2
(1,44)	1:A:155:ILE:CB	1:A:155:ILE:CA	8	0.2
(1,44)	1:A:155:ILE:CB	1:A:156:VAL:CA	8	0.2
(1,323)	1:A:70:ARG:CA	1:A:68:PRO:C	1	0.2
(1,323)	1:A:70:ARG:CA	1:A:70:ARG:C	1	0.2
(1,323)	1:A:70:ARG:CA	1:A:68:PRO:C	2	0.2
(1,323)	1:A:70:ARG:CA	1:A:70:ARG:C	2	0.2
(1,323)	1:A:70:ARG:CA	1:A:68:PRO:C	3	0.2
(1,323)	1:A:70:ARG:CA	1:A:70:ARG:C	3	0.2
(1,323)	1:A:70:ARG:CA	1:A:68:PRO:C	5	0.2
(1,323)	1:A:70:ARG:CA	1:A:70:ARG:C	5	0.2
(1,323)	1:A:70:ARG:CA	1:A:68:PRO:C	9	0.2
(1,323)	1:A:70:ARG:CA	1:A:70:ARG:C	9	0.2
(1,189)	1:A:48:ARG:CG	1:A:48:ARG:CB	6	0.2
(1,189)	1:A:48:ARG:CG	1:A:48:ARG:CB	7	0.2
(1,185)	1:A:63:ILE:CG1	1:A:63:ILE:CB	1	0.2
(1,185)	1:A:63:ILE:CG1	1:A:63:ILE:CB	2	0.2
(1,185)	1:A:63:ILE:CG1	1:A:63:ILE:CB	4	0.2
(1,185)	1:A:63:ILE:CG1	1:A:63:ILE:CB	5	0.2
(1,181)	1:A:151:ILE:CG1	1:A:151:ILE:CB	2	0.2
(1,181)	1:A:151:ILE:CG1	1:A:151:ILE:CB	3	0.2
(1,181)	1:A:151:ILE:CG1	1:A:151:ILE:CB	4	0.2
(1,181)	1:A:151:ILE:CG1	1:A:151:ILE:CB	5	0.2
(1,181)	1:A:151:ILE:CG1	1:A:151:ILE:CB	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,181)	1:A:151:ILE:CG1	1:A:151:ILE:CB	7	0.2
(1,181)	1:A:151:ILE:CG1	1:A:151:ILE:CB	8	0.2
(1,181)	1:A:151:ILE:CG1	1:A:151:ILE:CB	9	0.2
(1,180)	1:A:151:ILE:CG1	1:A:151:ILE:CB	2	0.2
(1,180)	1:A:151:ILE:CG1	1:A:151:ILE:CB	3	0.2
(1,180)	1:A:151:ILE:CG1	1:A:151:ILE:CB	4	0.2
(1,180)	1:A:151:ILE:CG1	1:A:151:ILE:CB	5	0.2
(1,180)	1:A:151:ILE:CG1	1:A:151:ILE:CB	6	0.2
(1,180)	1:A:151:ILE:CG1	1:A:151:ILE:CB	7	0.2
(1,180)	1:A:151:ILE:CG1	1:A:151:ILE:CB	8	0.2
(1,180)	1:A:151:ILE:CG1	1:A:151:ILE:CB	9	0.2
(1,166)	1:A:63:ILE:CG1	1:A:63:ILE:CB	1	0.2
(1,166)	1:A:63:ILE:CG1	1:A:63:ILE:CB	2	0.2
(1,166)	1:A:63:ILE:CG1	1:A:63:ILE:CB	4	0.2
(1,166)	1:A:63:ILE:CG1	1:A:63:ILE:CB	5	0.2
(1,136)	1:A:48:ARG:CG	1:A:47:GLU:CA	2	0.2
(1,136)	1:A:44:CYS:CB	1:A:44:CYS:CA	2	0.2
(1,136)	1:A:48:ARG:CG	1:A:47:GLU:CA	4	0.2
(1,136)	1:A:44:CYS:CB	1:A:44:CYS:CA	4	0.2
(1,136)	1:A:48:ARG:CG	1:A:47:GLU:CA	6	0.2
(1,136)	1:A:44:CYS:CB	1:A:44:CYS:CA	6	0.2
(1,136)	1:A:48:ARG:CG	1:A:47:GLU:CA	9	0.2
(1,136)	1:A:44:CYS:CB	1:A:44:CYS:CA	9	0.2
(1,1304)	1:D:70:ARG:C	1:D:74:MET:CA	1	0.2
(1,1304)	1:D:74:MET:C	1:D:74:MET:CA	1	0.2
(1,1304)	1:D:75:VAL:C	1:D:74:MET:CA	1	0.2
(1,1304)	1:D:77:TRP:C	1:D:74:MET:CA	1	0.2
(1,1304)	1:D:68:PRO:C	1:D:67:THR:CA	1	0.2
(1,1304)	1:D:84:GLY:C	1:D:83:ARG:CA	1	0.2
(1,1304)	1:D:20:PHE:C	1:D:18:MET:CA	1	0.2
(1,1304)	1:D:44:CYS:C	1:D:48:ARG:CA	1	0.2
(1,1304)	1:D:70:ARG:C	1:D:74:MET:CA	2	0.2
(1,1304)	1:D:74:MET:C	1:D:74:MET:CA	2	0.2
(1,1304)	1:D:75:VAL:C	1:D:74:MET:CA	2	0.2
(1,1304)	1:D:77:TRP:C	1:D:74:MET:CA	2	0.2
(1,1304)	1:D:68:PRO:C	1:D:67:THR:CA	2	0.2
(1,1304)	1:D:84:GLY:C	1:D:83:ARG:CA	2	0.2
(1,1304)	1:D:20:PHE:C	1:D:18:MET:CA	2	0.2
(1,1304)	1:D:44:CYS:C	1:D:48:ARG:CA	2	0.2
(1,1304)	1:D:70:ARG:C	1:D:74:MET:CA	4	0.2
(1,1304)	1:D:74:MET:C	1:D:74:MET:CA	4	0.2
(1,1304)	1:D:75:VAL:C	1:D:74:MET:CA	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1304)	1:D:77:TRP:C	1:D:74:MET:CA	4	0.2
(1,1304)	1:D:68:PRO:C	1:D:67:THR:CA	4	0.2
(1,1304)	1:D:84:GLY:C	1:D:83:ARG:CA	4	0.2
(1,1304)	1:D:20:PHE:C	1:D:18:MET:CA	4	0.2
(1,1304)	1:D:44:CYS:C	1:D:48:ARG:CA	4	0.2
(1,1304)	1:D:70:ARG:C	1:D:74:MET:CA	5	0.2
(1,1304)	1:D:74:MET:C	1:D:74:MET:CA	5	0.2
(1,1304)	1:D:75:VAL:C	1:D:74:MET:CA	5	0.2
(1,1304)	1:D:77:TRP:C	1:D:74:MET:CA	5	0.2
(1,1304)	1:D:68:PRO:C	1:D:67:THR:CA	5	0.2
(1,1304)	1:D:84:GLY:C	1:D:83:ARG:CA	5	0.2
(1,1304)	1:D:20:PHE:C	1:D:18:MET:CA	5	0.2
(1,1304)	1:D:44:CYS:C	1:D:48:ARG:CA	5	0.2
(1,1304)	1:D:70:ARG:C	1:D:74:MET:CA	6	0.2
(1,1304)	1:D:74:MET:C	1:D:74:MET:CA	6	0.2
(1,1304)	1:D:75:VAL:C	1:D:74:MET:CA	6	0.2
(1,1304)	1:D:77:TRP:C	1:D:74:MET:CA	6	0.2
(1,1304)	1:D:68:PRO:C	1:D:67:THR:CA	6	0.2
(1,1304)	1:D:84:GLY:C	1:D:83:ARG:CA	6	0.2
(1,1304)	1:D:20:PHE:C	1:D:18:MET:CA	6	0.2
(1,1304)	1:D:44:CYS:C	1:D:48:ARG:CA	6	0.2
(1,1304)	1:D:70:ARG:C	1:D:74:MET:CA	8	0.2
(1,1304)	1:D:74:MET:C	1:D:74:MET:CA	8	0.2
(1,1304)	1:D:75:VAL:C	1:D:74:MET:CA	8	0.2
(1,1304)	1:D:77:TRP:C	1:D:74:MET:CA	8	0.2
(1,1304)	1:D:68:PRO:C	1:D:67:THR:CA	8	0.2
(1,1304)	1:D:84:GLY:C	1:D:83:ARG:CA	8	0.2
(1,1304)	1:D:20:PHE:C	1:D:18:MET:CA	8	0.2
(1,1304)	1:D:44:CYS:C	1:D:48:ARG:CA	8	0.2
(1,1285)	1:D:78:LEU:CA	1:D:79:TYR:C	5	0.2
(1,1285)	1:D:70:ARG:CA	1:D:70:ARG:C	5	0.2
(1,1285)	1:D:87:LEU:CA	1:D:85:VAL:C	5	0.2
(1,1285)	1:D:23:LEU:CA	1:D:20:PHE:C	5	0.2
(1,1285)	1:D:78:LEU:CA	1:D:79:TYR:C	7	0.2
(1,1285)	1:D:70:ARG:CA	1:D:70:ARG:C	7	0.2
(1,1285)	1:D:87:LEU:CA	1:D:85:VAL:C	7	0.2
(1,1285)	1:D:23:LEU:CA	1:D:20:PHE:C	7	0.2
(1,1265)	1:D:83:ARG:CA	1:D:84:GLY:C	1	0.2
(1,1265)	1:D:74:MET:CA	1:D:74:MET:C	1	0.2
(1,1265)	1:D:74:MET:CA	1:D:77:TRP:C	1	0.2
(1,1265)	1:D:83:ARG:CA	1:D:84:GLY:C	2	0.2
(1,1265)	1:D:74:MET:CA	1:D:74:MET:C	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1265)	1:D:74:MET:CA	1:D:77:TRP:C	2	0.2
(1,1265)	1:D:83:ARG:CA	1:D:84:GLY:C	4	0.2
(1,1265)	1:D:74:MET:CA	1:D:74:MET:C	4	0.2
(1,1265)	1:D:74:MET:CA	1:D:77:TRP:C	4	0.2
(1,1265)	1:D:83:ARG:CA	1:D:84:GLY:C	5	0.2
(1,1265)	1:D:74:MET:CA	1:D:74:MET:C	5	0.2
(1,1265)	1:D:74:MET:CA	1:D:77:TRP:C	5	0.2
(1,1265)	1:D:83:ARG:CA	1:D:84:GLY:C	6	0.2
(1,1265)	1:D:74:MET:CA	1:D:74:MET:C	6	0.2
(1,1265)	1:D:74:MET:CA	1:D:77:TRP:C	6	0.2
(1,1265)	1:D:83:ARG:CA	1:D:84:GLY:C	8	0.2
(1,1265)	1:D:74:MET:CA	1:D:74:MET:C	8	0.2
(1,1265)	1:D:74:MET:CA	1:D:77:TRP:C	8	0.2
(1,1261)	1:D:68:PRO:CA	1:D:68:PRO:C	1	0.2
(1,1261)	1:D:162:ILE:CA	1:D:158:VAL:C	1	0.2
(1,1261)	1:D:162:ILE:CA	1:D:161:VAL:C	1	0.2
(1,1261)	1:D:68:PRO:CA	1:D:68:PRO:C	2	0.2
(1,1261)	1:D:162:ILE:CA	1:D:158:VAL:C	2	0.2
(1,1261)	1:D:162:ILE:CA	1:D:161:VAL:C	2	0.2
(1,1261)	1:D:68:PRO:CA	1:D:68:PRO:C	3	0.2
(1,1261)	1:D:162:ILE:CA	1:D:158:VAL:C	3	0.2
(1,1261)	1:D:162:ILE:CA	1:D:161:VAL:C	3	0.2
(1,1261)	1:D:68:PRO:CA	1:D:68:PRO:C	4	0.2
(1,1261)	1:D:162:ILE:CA	1:D:158:VAL:C	4	0.2
(1,1261)	1:D:162:ILE:CA	1:D:161:VAL:C	4	0.2
(1,1261)	1:D:68:PRO:CA	1:D:68:PRO:C	5	0.2
(1,1261)	1:D:162:ILE:CA	1:D:158:VAL:C	5	0.2
(1,1261)	1:D:162:ILE:CA	1:D:161:VAL:C	5	0.2
(1,1261)	1:D:68:PRO:CA	1:D:68:PRO:C	6	0.2
(1,1261)	1:D:162:ILE:CA	1:D:158:VAL:C	6	0.2
(1,1261)	1:D:162:ILE:CA	1:D:161:VAL:C	6	0.2
(1,1261)	1:D:68:PRO:CA	1:D:68:PRO:C	7	0.2
(1,1261)	1:D:162:ILE:CA	1:D:158:VAL:C	7	0.2
(1,1261)	1:D:162:ILE:CA	1:D:161:VAL:C	7	0.2
(1,1261)	1:D:68:PRO:CA	1:D:68:PRO:C	8	0.2
(1,1261)	1:D:162:ILE:CA	1:D:158:VAL:C	8	0.2
(1,1261)	1:D:162:ILE:CA	1:D:161:VAL:C	8	0.2
(1,1261)	1:D:68:PRO:CA	1:D:68:PRO:C	9	0.2
(1,1261)	1:D:162:ILE:CA	1:D:158:VAL:C	9	0.2
(1,1261)	1:D:162:ILE:CA	1:D:161:VAL:C	9	0.2
(1,1261)	1:D:68:PRO:CA	1:D:68:PRO:C	10	0.2
(1,1261)	1:D:162:ILE:CA	1:D:158:VAL:C	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:D:162:ILE:CA	1:D:161:VAL:C	10	0.2
(1,1154)	1:D:48:ARG:CG	1:D:48:ARG:CB	3	0.2
(1,1154)	1:D:48:ARG:CG	1:D:48:ARG:CB	4	0.2
(1,1154)	1:D:48:ARG:CG	1:D:48:ARG:CB	5	0.2
(1,1154)	1:D:48:ARG:CG	1:D:48:ARG:CB	7	0.2
(1,1154)	1:D:48:ARG:CG	1:D:48:ARG:CB	8	0.2
(1,1154)	1:D:48:ARG:CG	1:D:48:ARG:CB	9	0.2
(1,1154)	1:D:48:ARG:CG	1:D:48:ARG:CB	10	0.2
(1,1153)	1:D:68:PRO:CG	1:D:68:PRO:CB	6	0.2
(1,1153)	1:D:68:PRO:CG	1:D:68:PRO:CB	7	0.2
(1,1152)	1:D:68:PRO:CG	1:D:68:PRO:CB	6	0.2
(1,1152)	1:D:68:PRO:CG	1:D:68:PRO:CB	7	0.2
(1,1141)	1:D:44:CYS:CB	1:D:44:CYS:CA	1	0.2
(1,1141)	1:D:48:ARG:CG	1:D:47:GLU:CA	1	0.2
(1,1141)	1:D:44:CYS:CB	1:D:44:CYS:CA	4	0.2
(1,1141)	1:D:48:ARG:CG	1:D:47:GLU:CA	4	0.2
(1,1141)	1:D:44:CYS:CB	1:D:44:CYS:CA	5	0.2
(1,1141)	1:D:48:ARG:CG	1:D:47:GLU:CA	5	0.2
(1,1141)	1:D:44:CYS:CB	1:D:44:CYS:CA	7	0.2
(1,1141)	1:D:48:ARG:CG	1:D:47:GLU:CA	7	0.2
(1,1141)	1:D:44:CYS:CB	1:D:44:CYS:CA	9	0.2
(1,1141)	1:D:48:ARG:CG	1:D:47:GLU:CA	9	0.2
(1,1141)	1:D:44:CYS:CB	1:D:44:CYS:CA	10	0.2
(1,1141)	1:D:48:ARG:CG	1:D:47:GLU:CA	10	0.2
(1,110)	1:A:18:MET:CB	1:A:18:MET:CA	4	0.2
(1,110)	1:A:75:VAL:CB	1:A:74:MET:CA	4	0.2
(1,110)	1:A:18:MET:CB	1:A:18:MET:CA	5	0.2
(1,110)	1:A:75:VAL:CB	1:A:74:MET:CA	5	0.2
(1,110)	1:A:18:MET:CB	1:A:18:MET:CA	6	0.2
(1,110)	1:A:75:VAL:CB	1:A:74:MET:CA	6	0.2
(1,110)	1:A:18:MET:CB	1:A:18:MET:CA	7	0.2
(1,110)	1:A:75:VAL:CB	1:A:74:MET:CA	7	0.2
(1,110)	1:A:18:MET:CB	1:A:18:MET:CA	8	0.2
(1,110)	1:A:75:VAL:CB	1:A:74:MET:CA	8	0.2
(1,110)	1:A:18:MET:CB	1:A:18:MET:CA	9	0.2
(1,110)	1:A:75:VAL:CB	1:A:74:MET:CA	9	0.2
(1,1082)	1:D:18:MET:CA	1:D:18:MET:CG	1	0.2
(1,1082)	1:D:74:MET:CA	1:D:74:MET:CB	1	0.2
(1,1082)	1:D:18:MET:CA	1:D:18:MET:CG	4	0.2
(1,1082)	1:D:74:MET:CA	1:D:74:MET:CB	4	0.2
(1,1082)	1:D:18:MET:CA	1:D:18:MET:CG	8	0.2
(1,1082)	1:D:74:MET:CA	1:D:74:MET:CB	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,106)	1:A:49:VAL:CB	1:A:48:ARG:CA	1	0.2
(1,106)	1:A:75:VAL:CB	1:A:74:MET:CA	1	0.2
(1,106)	1:A:76:ILE:CG1	1:A:74:MET:CA	1	0.2
(1,106)	1:A:18:MET:CB	1:A:18:MET:CA	1	0.2
(1,106)	1:A:72:VAL:CB	1:A:74:MET:CA	1	0.2
(1,106)	1:A:49:VAL:CB	1:A:48:ARG:CA	4	0.2
(1,106)	1:A:75:VAL:CB	1:A:74:MET:CA	4	0.2
(1,106)	1:A:76:ILE:CG1	1:A:74:MET:CA	4	0.2
(1,106)	1:A:18:MET:CB	1:A:18:MET:CA	4	0.2
(1,106)	1:A:72:VAL:CB	1:A:74:MET:CA	4	0.2
(1,106)	1:A:49:VAL:CB	1:A:48:ARG:CA	5	0.2
(1,106)	1:A:75:VAL:CB	1:A:74:MET:CA	5	0.2
(1,106)	1:A:76:ILE:CG1	1:A:74:MET:CA	5	0.2
(1,106)	1:A:18:MET:CB	1:A:18:MET:CA	5	0.2
(1,106)	1:A:72:VAL:CB	1:A:74:MET:CA	5	0.2
(1,106)	1:A:49:VAL:CB	1:A:48:ARG:CA	6	0.2
(1,106)	1:A:75:VAL:CB	1:A:74:MET:CA	6	0.2
(1,106)	1:A:76:ILE:CG1	1:A:74:MET:CA	6	0.2
(1,106)	1:A:18:MET:CB	1:A:18:MET:CA	6	0.2
(1,106)	1:A:72:VAL:CB	1:A:74:MET:CA	6	0.2
(1,106)	1:A:49:VAL:CB	1:A:48:ARG:CA	7	0.2
(1,106)	1:A:75:VAL:CB	1:A:74:MET:CA	7	0.2
(1,106)	1:A:76:ILE:CG1	1:A:74:MET:CA	7	0.2
(1,106)	1:A:18:MET:CB	1:A:18:MET:CA	7	0.2
(1,106)	1:A:72:VAL:CB	1:A:74:MET:CA	7	0.2
(1,106)	1:A:49:VAL:CB	1:A:48:ARG:CA	8	0.2
(1,106)	1:A:75:VAL:CB	1:A:74:MET:CA	8	0.2
(1,106)	1:A:76:ILE:CG1	1:A:74:MET:CA	8	0.2
(1,106)	1:A:18:MET:CB	1:A:18:MET:CA	8	0.2
(1,106)	1:A:72:VAL:CB	1:A:74:MET:CA	8	0.2
(1,106)	1:A:49:VAL:CB	1:A:48:ARG:CA	9	0.2
(1,106)	1:A:75:VAL:CB	1:A:74:MET:CA	9	0.2
(1,106)	1:A:76:ILE:CG1	1:A:74:MET:CA	9	0.2
(1,106)	1:A:18:MET:CB	1:A:18:MET:CA	9	0.2
(1,106)	1:A:72:VAL:CB	1:A:74:MET:CA	9	0.2
(1,105)	1:A:120:VAL:CB	1:A:120:VAL:CA	4	0.2
(1,105)	1:A:120:VAL:CB	1:A:122:GLN:CA	4	0.2
(1,105)	1:A:121:PRO:CB	1:A:120:VAL:CA	4	0.2
(1,105)	1:A:121:PRO:CB	1:A:122:GLN:CA	4	0.2
(1,105)	1:A:120:VAL:CB	1:A:120:VAL:CA	5	0.2
(1,105)	1:A:120:VAL:CB	1:A:122:GLN:CA	5	0.2
(1,105)	1:A:121:PRO:CB	1:A:120:VAL:CA	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:A:121:PRO:CB	1:A:122:GLN:CA	5	0.2
(1,105)	1:A:120:VAL:CB	1:A:120:VAL:CA	6	0.2
(1,105)	1:A:120:VAL:CB	1:A:122:GLN:CA	6	0.2
(1,105)	1:A:121:PRO:CB	1:A:120:VAL:CA	6	0.2
(1,105)	1:A:121:PRO:CB	1:A:122:GLN:CA	6	0.2
(1,105)	1:A:120:VAL:CB	1:A:120:VAL:CA	7	0.2
(1,105)	1:A:120:VAL:CB	1:A:122:GLN:CA	7	0.2
(1,105)	1:A:121:PRO:CB	1:A:120:VAL:CA	7	0.2
(1,105)	1:A:121:PRO:CB	1:A:122:GLN:CA	7	0.2
(1,105)	1:A:120:VAL:CB	1:A:120:VAL:CA	8	0.2
(1,105)	1:A:120:VAL:CB	1:A:122:GLN:CA	8	0.2
(1,105)	1:A:121:PRO:CB	1:A:120:VAL:CA	8	0.2
(1,105)	1:A:121:PRO:CB	1:A:122:GLN:CA	8	0.2
(1,103)	1:A:108:VAL:CB	1:A:108:VAL:CA	3	0.2
(1,103)	1:A:108:VAL:CB	1:A:108:VAL:CA	4	0.2
(1,103)	1:A:108:VAL:CB	1:A:108:VAL:CA	7	0.2
(1,103)	1:A:108:VAL:CB	1:A:108:VAL:CA	8	0.2
(1,98)	1:A:74:MET:CB	1:A:74:MET:CA	2	0.19
(1,98)	1:A:18:MET:CG	1:A:18:MET:CA	2	0.19
(1,98)	1:A:68:PRO:CB	1:A:67:THR:CA	2	0.19
(1,98)	1:A:74:MET:CB	1:A:74:MET:CA	3	0.19
(1,98)	1:A:18:MET:CG	1:A:18:MET:CA	3	0.19
(1,98)	1:A:68:PRO:CB	1:A:67:THR:CA	3	0.19
(1,98)	1:A:74:MET:CB	1:A:74:MET:CA	4	0.19
(1,98)	1:A:18:MET:CG	1:A:18:MET:CA	4	0.19
(1,98)	1:A:68:PRO:CB	1:A:67:THR:CA	4	0.19
(1,98)	1:A:74:MET:CB	1:A:74:MET:CA	6	0.19
(1,98)	1:A:18:MET:CG	1:A:18:MET:CA	6	0.19
(1,98)	1:A:68:PRO:CB	1:A:67:THR:CA	6	0.19
(1,98)	1:A:74:MET:CB	1:A:74:MET:CA	10	0.19
(1,98)	1:A:18:MET:CG	1:A:18:MET:CA	10	0.19
(1,98)	1:A:68:PRO:CB	1:A:67:THR:CA	10	0.19
(1,975)	1:D:74:MET:CA	1:D:74:MET:C	3	0.19
(1,975)	1:D:32:PHE:CA	1:D:33:GLN:C	3	0.19
(1,975)	1:D:74:MET:CA	1:D:74:MET:C	7	0.19
(1,975)	1:D:32:PHE:CA	1:D:33:GLN:C	7	0.19
(1,96)	1:A:18:MET:CG	1:A:18:MET:CA	2	0.19
(1,96)	1:A:74:MET:CB	1:A:74:MET:CA	2	0.19
(1,96)	1:A:18:MET:CG	1:A:18:MET:CA	3	0.19
(1,96)	1:A:74:MET:CB	1:A:74:MET:CA	3	0.19
(1,96)	1:A:18:MET:CG	1:A:18:MET:CA	4	0.19
(1,96)	1:A:74:MET:CB	1:A:74:MET:CA	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:A:18:MET:CG	1:A:18:MET:CA	6	0.19
(1,96)	1:A:74:MET:CB	1:A:74:MET:CA	6	0.19
(1,96)	1:A:18:MET:CG	1:A:18:MET:CA	10	0.19
(1,96)	1:A:74:MET:CB	1:A:74:MET:CA	10	0.19
(1,860)	1:D:45:ILE:CG1	1:D:45:ILE:CB	2	0.19
(1,860)	1:D:45:ILE:CG1	1:D:45:ILE:CB	5	0.19
(1,860)	1:D:45:ILE:CG1	1:D:45:ILE:CB	8	0.19
(1,860)	1:D:45:ILE:CG1	1:D:45:ILE:CB	10	0.19
(1,859)	1:D:94:LEU:CG	1:D:93:MET:CB	2	0.19
(1,859)	1:D:45:ILE:CG1	1:D:45:ILE:CB	2	0.19
(1,859)	1:D:94:LEU:CG	1:D:93:MET:CB	5	0.19
(1,859)	1:D:45:ILE:CG1	1:D:45:ILE:CB	5	0.19
(1,859)	1:D:94:LEU:CG	1:D:93:MET:CB	8	0.19
(1,859)	1:D:45:ILE:CG1	1:D:45:ILE:CB	8	0.19
(1,859)	1:D:94:LEU:CG	1:D:93:MET:CB	10	0.19
(1,859)	1:D:45:ILE:CG1	1:D:45:ILE:CB	10	0.19
(1,852)	1:D:63:ILE:CG1	1:D:63:ILE:CB	5	0.19
(1,852)	1:D:63:ILE:CG1	1:D:63:ILE:CB	6	0.19
(1,848)	1:D:151:ILE:CG1	1:D:151:ILE:CB	6	0.19
(1,848)	1:D:151:ILE:CG1	1:D:151:ILE:CB	8	0.19
(1,847)	1:D:151:ILE:CG1	1:D:151:ILE:CB	6	0.19
(1,847)	1:D:151:ILE:CG1	1:D:151:ILE:CB	8	0.19
(1,833)	1:D:63:ILE:CG1	1:D:63:ILE:CB	5	0.19
(1,833)	1:D:63:ILE:CG1	1:D:63:ILE:CB	6	0.19
(1,777)	1:D:18:MET:CB	1:D:18:MET:CA	1	0.19
(1,777)	1:D:75:VAL:CB	1:D:74:MET:CA	1	0.19
(1,777)	1:D:18:MET:CB	1:D:18:MET:CA	5	0.19
(1,777)	1:D:75:VAL:CB	1:D:74:MET:CA	5	0.19
(1,777)	1:D:18:MET:CB	1:D:18:MET:CA	7	0.19
(1,777)	1:D:75:VAL:CB	1:D:74:MET:CA	7	0.19
(1,777)	1:D:18:MET:CB	1:D:18:MET:CA	8	0.19
(1,777)	1:D:75:VAL:CB	1:D:74:MET:CA	8	0.19
(1,777)	1:D:18:MET:CB	1:D:18:MET:CA	9	0.19
(1,777)	1:D:75:VAL:CB	1:D:74:MET:CA	9	0.19
(1,777)	1:D:18:MET:CB	1:D:18:MET:CA	10	0.19
(1,777)	1:D:75:VAL:CB	1:D:74:MET:CA	10	0.19
(1,773)	1:D:49:VAL:CB	1:D:48:ARG:CA	1	0.19
(1,773)	1:D:75:VAL:CB	1:D:74:MET:CA	1	0.19
(1,773)	1:D:76:ILE:CG1	1:D:74:MET:CA	1	0.19
(1,773)	1:D:18:MET:CB	1:D:18:MET:CA	1	0.19
(1,773)	1:D:72:VAL:CB	1:D:74:MET:CA	1	0.19
(1,773)	1:D:49:VAL:CB	1:D:48:ARG:CA	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,773)	1:D:75:VAL:CB	1:D:74:MET:CA	5	0.19
(1,773)	1:D:76:ILE:CG1	1:D:74:MET:CA	5	0.19
(1,773)	1:D:18:MET:CB	1:D:18:MET:CA	5	0.19
(1,773)	1:D:72:VAL:CB	1:D:74:MET:CA	5	0.19
(1,773)	1:D:49:VAL:CB	1:D:48:ARG:CA	7	0.19
(1,773)	1:D:75:VAL:CB	1:D:74:MET:CA	7	0.19
(1,773)	1:D:76:ILE:CG1	1:D:74:MET:CA	7	0.19
(1,773)	1:D:18:MET:CB	1:D:18:MET:CA	7	0.19
(1,773)	1:D:72:VAL:CB	1:D:74:MET:CA	7	0.19
(1,773)	1:D:49:VAL:CB	1:D:48:ARG:CA	8	0.19
(1,773)	1:D:75:VAL:CB	1:D:74:MET:CA	8	0.19
(1,773)	1:D:76:ILE:CG1	1:D:74:MET:CA	8	0.19
(1,773)	1:D:18:MET:CB	1:D:18:MET:CA	8	0.19
(1,773)	1:D:72:VAL:CB	1:D:74:MET:CA	8	0.19
(1,773)	1:D:49:VAL:CB	1:D:48:ARG:CA	9	0.19
(1,773)	1:D:75:VAL:CB	1:D:74:MET:CA	9	0.19
(1,773)	1:D:76:ILE:CG1	1:D:74:MET:CA	9	0.19
(1,773)	1:D:18:MET:CB	1:D:18:MET:CA	9	0.19
(1,773)	1:D:72:VAL:CB	1:D:74:MET:CA	9	0.19
(1,773)	1:D:49:VAL:CB	1:D:48:ARG:CA	10	0.19
(1,773)	1:D:75:VAL:CB	1:D:74:MET:CA	10	0.19
(1,773)	1:D:76:ILE:CG1	1:D:74:MET:CA	10	0.19
(1,773)	1:D:18:MET:CB	1:D:18:MET:CA	10	0.19
(1,773)	1:D:72:VAL:CB	1:D:74:MET:CA	10	0.19
(1,770)	1:D:108:VAL:CB	1:D:108:VAL:CA	5	0.19
(1,770)	1:D:108:VAL:CB	1:D:108:VAL:CA	7	0.19
(1,765)	1:D:74:MET:CB	1:D:74:MET:CA	2	0.19
(1,765)	1:D:18:MET:CG	1:D:18:MET:CA	2	0.19
(1,765)	1:D:68:PRO:CB	1:D:67:THR:CA	2	0.19
(1,765)	1:D:74:MET:CB	1:D:74:MET:CA	3	0.19
(1,765)	1:D:18:MET:CG	1:D:18:MET:CA	3	0.19
(1,765)	1:D:68:PRO:CB	1:D:67:THR:CA	3	0.19
(1,765)	1:D:74:MET:CB	1:D:74:MET:CA	5	0.19
(1,765)	1:D:18:MET:CG	1:D:18:MET:CA	5	0.19
(1,765)	1:D:68:PRO:CB	1:D:67:THR:CA	5	0.19
(1,765)	1:D:74:MET:CB	1:D:74:MET:CA	6	0.19
(1,765)	1:D:18:MET:CG	1:D:18:MET:CA	6	0.19
(1,765)	1:D:68:PRO:CB	1:D:67:THR:CA	6	0.19
(1,765)	1:D:74:MET:CB	1:D:74:MET:CA	7	0.19
(1,765)	1:D:18:MET:CG	1:D:18:MET:CA	7	0.19
(1,765)	1:D:68:PRO:CB	1:D:67:THR:CA	7	0.19
(1,765)	1:D:74:MET:CB	1:D:74:MET:CA	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	1:D:18:MET:CG	1:D:18:MET:CA	9	0.19
(1,765)	1:D:68:PRO:CB	1:D:67:THR:CA	9	0.19
(1,763)	1:D:18:MET:CG	1:D:18:MET:CA	2	0.19
(1,763)	1:D:74:MET:CB	1:D:74:MET:CA	2	0.19
(1,763)	1:D:18:MET:CG	1:D:18:MET:CA	3	0.19
(1,763)	1:D:74:MET:CB	1:D:74:MET:CA	3	0.19
(1,763)	1:D:18:MET:CG	1:D:18:MET:CA	5	0.19
(1,763)	1:D:74:MET:CB	1:D:74:MET:CA	5	0.19
(1,763)	1:D:18:MET:CG	1:D:18:MET:CA	6	0.19
(1,763)	1:D:74:MET:CB	1:D:74:MET:CA	6	0.19
(1,763)	1:D:18:MET:CG	1:D:18:MET:CA	7	0.19
(1,763)	1:D:74:MET:CB	1:D:74:MET:CA	7	0.19
(1,763)	1:D:18:MET:CG	1:D:18:MET:CA	9	0.19
(1,763)	1:D:74:MET:CB	1:D:74:MET:CA	9	0.19
(1,712)	1:D:63:ILE:CB	1:D:63:ILE:CA	5	0.19
(1,712)	1:D:63:ILE:CB	1:D:63:ILE:CA	9	0.19
(1,711)	1:D:76:ILE:CB	1:D:75:VAL:CA	1	0.19
(1,711)	1:D:155:ILE:CB	1:D:155:ILE:CA	1	0.19
(1,711)	1:D:155:ILE:CB	1:D:156:VAL:CA	1	0.19
(1,711)	1:D:76:ILE:CB	1:D:75:VAL:CA	3	0.19
(1,711)	1:D:155:ILE:CB	1:D:155:ILE:CA	3	0.19
(1,711)	1:D:155:ILE:CB	1:D:156:VAL:CA	3	0.19
(1,711)	1:D:76:ILE:CB	1:D:75:VAL:CA	4	0.19
(1,711)	1:D:155:ILE:CB	1:D:155:ILE:CA	4	0.19
(1,711)	1:D:155:ILE:CB	1:D:156:VAL:CA	4	0.19
(1,711)	1:D:76:ILE:CB	1:D:75:VAL:CA	9	0.19
(1,711)	1:D:155:ILE:CB	1:D:155:ILE:CA	9	0.19
(1,711)	1:D:155:ILE:CB	1:D:156:VAL:CA	9	0.19
(1,711)	1:D:76:ILE:CB	1:D:75:VAL:CA	10	0.19
(1,711)	1:D:155:ILE:CB	1:D:155:ILE:CA	10	0.19
(1,711)	1:D:155:ILE:CB	1:D:156:VAL:CA	10	0.19
(1,637)	1:A:70:ARG:C	1:A:74:MET:CA	8	0.19
(1,637)	1:A:74:MET:C	1:A:74:MET:CA	8	0.19
(1,637)	1:A:75:VAL:C	1:A:74:MET:CA	8	0.19
(1,637)	1:A:77:TRP:C	1:A:74:MET:CA	8	0.19
(1,637)	1:A:68:PRO:C	1:A:67:THR:CA	8	0.19
(1,637)	1:A:84:GLY:C	1:A:83:ARG:CA	8	0.19
(1,637)	1:A:20:PHE:C	1:A:18:MET:CA	8	0.19
(1,637)	1:A:44:CYS:C	1:A:48:ARG:CA	8	0.19
(1,618)	1:A:78:LEU:CA	1:A:79:TYR:C	8	0.19
(1,618)	1:A:70:ARG:CA	1:A:70:ARG:C	8	0.19
(1,618)	1:A:87:LEU:CA	1:A:85:VAL:C	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,618)	1:A:23:LEU:CA	1:A:20:PHE:C	8	0.19
(1,598)	1:A:83:ARG:CA	1:A:84:GLY:C	8	0.19
(1,598)	1:A:74:MET:CA	1:A:74:MET:C	8	0.19
(1,598)	1:A:74:MET:CA	1:A:77:TRP:C	8	0.19
(1,594)	1:A:68:PRO:CA	1:A:68:PRO:C	2	0.19
(1,594)	1:A:162:ILE:CA	1:A:158:VAL:C	2	0.19
(1,594)	1:A:162:ILE:CA	1:A:161:VAL:C	2	0.19
(1,594)	1:A:68:PRO:CA	1:A:68:PRO:C	3	0.19
(1,594)	1:A:162:ILE:CA	1:A:158:VAL:C	3	0.19
(1,594)	1:A:162:ILE:CA	1:A:161:VAL:C	3	0.19
(1,594)	1:A:68:PRO:CA	1:A:68:PRO:C	4	0.19
(1,594)	1:A:162:ILE:CA	1:A:158:VAL:C	4	0.19
(1,594)	1:A:162:ILE:CA	1:A:161:VAL:C	4	0.19
(1,594)	1:A:68:PRO:CA	1:A:68:PRO:C	5	0.19
(1,594)	1:A:162:ILE:CA	1:A:158:VAL:C	5	0.19
(1,594)	1:A:162:ILE:CA	1:A:161:VAL:C	5	0.19
(1,594)	1:A:68:PRO:CA	1:A:68:PRO:C	7	0.19
(1,594)	1:A:162:ILE:CA	1:A:158:VAL:C	7	0.19
(1,594)	1:A:162:ILE:CA	1:A:161:VAL:C	7	0.19
(1,594)	1:A:68:PRO:CA	1:A:68:PRO:C	8	0.19
(1,594)	1:A:162:ILE:CA	1:A:158:VAL:C	8	0.19
(1,594)	1:A:162:ILE:CA	1:A:161:VAL:C	8	0.19
(1,594)	1:A:68:PRO:CA	1:A:68:PRO:C	10	0.19
(1,594)	1:A:162:ILE:CA	1:A:158:VAL:C	10	0.19
(1,594)	1:A:162:ILE:CA	1:A:161:VAL:C	10	0.19
(1,474)	1:A:44:CYS:CB	1:A:44:CYS:CA	1	0.19
(1,474)	1:A:48:ARG:CG	1:A:47:GLU:CA	1	0.19
(1,474)	1:A:44:CYS:CB	1:A:44:CYS:CA	3	0.19
(1,474)	1:A:48:ARG:CG	1:A:47:GLU:CA	3	0.19
(1,474)	1:A:44:CYS:CB	1:A:44:CYS:CA	5	0.19
(1,474)	1:A:48:ARG:CG	1:A:47:GLU:CA	5	0.19
(1,474)	1:A:44:CYS:CB	1:A:44:CYS:CA	7	0.19
(1,474)	1:A:48:ARG:CG	1:A:47:GLU:CA	7	0.19
(1,474)	1:A:44:CYS:CB	1:A:44:CYS:CA	8	0.19
(1,474)	1:A:48:ARG:CG	1:A:47:GLU:CA	8	0.19
(1,474)	1:A:44:CYS:CB	1:A:44:CYS:CA	10	0.19
(1,474)	1:A:48:ARG:CG	1:A:47:GLU:CA	10	0.19
(1,45)	1:A:63:ILE:CB	1:A:63:ILE:CA	7	0.19
(1,45)	1:A:63:ILE:CB	1:A:63:ILE:CA	8	0.19
(1,44)	1:A:76:ILE:CB	1:A:75:VAL:CA	1	0.19
(1,44)	1:A:155:ILE:CB	1:A:155:ILE:CA	1	0.19
(1,44)	1:A:155:ILE:CB	1:A:156:VAL:CA	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:A:76:ILE:CB	1:A:75:VAL:CA	2	0.19
(1,44)	1:A:155:ILE:CB	1:A:155:ILE:CA	2	0.19
(1,44)	1:A:155:ILE:CB	1:A:156:VAL:CA	2	0.19
(1,44)	1:A:76:ILE:CB	1:A:75:VAL:CA	7	0.19
(1,44)	1:A:155:ILE:CB	1:A:155:ILE:CA	7	0.19
(1,44)	1:A:155:ILE:CB	1:A:156:VAL:CA	7	0.19
(1,427)	1:A:123:VAL:CA	1:A:123:VAL:CB	1	0.19
(1,427)	1:A:123:VAL:CA	1:A:123:VAL:CB	4	0.19
(1,427)	1:A:123:VAL:CA	1:A:123:VAL:CB	9	0.19
(1,415)	1:A:18:MET:CA	1:A:18:MET:CG	2	0.19
(1,415)	1:A:74:MET:CA	1:A:74:MET:CB	2	0.19
(1,415)	1:A:18:MET:CA	1:A:18:MET:CG	3	0.19
(1,415)	1:A:74:MET:CA	1:A:74:MET:CB	3	0.19
(1,415)	1:A:18:MET:CA	1:A:18:MET:CG	4	0.19
(1,415)	1:A:74:MET:CA	1:A:74:MET:CB	4	0.19
(1,415)	1:A:18:MET:CA	1:A:18:MET:CG	6	0.19
(1,415)	1:A:74:MET:CA	1:A:74:MET:CB	6	0.19
(1,415)	1:A:18:MET:CA	1:A:18:MET:CG	10	0.19
(1,415)	1:A:74:MET:CA	1:A:74:MET:CB	10	0.19
(1,323)	1:A:70:ARG:CA	1:A:68:PRO:C	8	0.19
(1,323)	1:A:70:ARG:CA	1:A:70:ARG:C	8	0.19
(1,308)	1:A:74:MET:CA	1:A:74:MET:C	8	0.19
(1,308)	1:A:32:PHE:CA	1:A:33:GLN:C	8	0.19
(1,193)	1:A:45:ILE:CG1	1:A:45:ILE:CB	1	0.19
(1,193)	1:A:45:ILE:CG1	1:A:45:ILE:CB	3	0.19
(1,193)	1:A:45:ILE:CG1	1:A:45:ILE:CB	4	0.19
(1,192)	1:A:94:LEU:CG	1:A:93:MET:CB	1	0.19
(1,192)	1:A:45:ILE:CG1	1:A:45:ILE:CB	1	0.19
(1,192)	1:A:94:LEU:CG	1:A:93:MET:CB	3	0.19
(1,192)	1:A:45:ILE:CG1	1:A:45:ILE:CB	3	0.19
(1,192)	1:A:94:LEU:CG	1:A:93:MET:CB	4	0.19
(1,192)	1:A:45:ILE:CG1	1:A:45:ILE:CB	4	0.19
(1,185)	1:A:63:ILE:CG1	1:A:63:ILE:CB	3	0.19
(1,185)	1:A:63:ILE:CG1	1:A:63:ILE:CB	6	0.19
(1,185)	1:A:63:ILE:CG1	1:A:63:ILE:CB	7	0.19
(1,185)	1:A:63:ILE:CG1	1:A:63:ILE:CB	8	0.19
(1,185)	1:A:63:ILE:CG1	1:A:63:ILE:CB	9	0.19
(1,185)	1:A:63:ILE:CG1	1:A:63:ILE:CB	10	0.19
(1,181)	1:A:151:ILE:CG1	1:A:151:ILE:CB	1	0.19
(1,181)	1:A:151:ILE:CG1	1:A:151:ILE:CB	10	0.19
(1,180)	1:A:151:ILE:CG1	1:A:151:ILE:CB	1	0.19
(1,180)	1:A:151:ILE:CG1	1:A:151:ILE:CB	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,166)	1:A:63:ILE:CG1	1:A:63:ILE:CB	3	0.19
(1,166)	1:A:63:ILE:CG1	1:A:63:ILE:CB	6	0.19
(1,166)	1:A:63:ILE:CG1	1:A:63:ILE:CB	7	0.19
(1,166)	1:A:63:ILE:CG1	1:A:63:ILE:CB	8	0.19
(1,166)	1:A:63:ILE:CG1	1:A:63:ILE:CB	9	0.19
(1,166)	1:A:63:ILE:CG1	1:A:63:ILE:CB	10	0.19
(1,136)	1:A:48:ARG:CG	1:A:47:GLU:CA	1	0.19
(1,136)	1:A:44:CYS:CB	1:A:44:CYS:CA	1	0.19
(1,136)	1:A:48:ARG:CG	1:A:47:GLU:CA	3	0.19
(1,136)	1:A:44:CYS:CB	1:A:44:CYS:CA	3	0.19
(1,136)	1:A:48:ARG:CG	1:A:47:GLU:CA	5	0.19
(1,136)	1:A:44:CYS:CB	1:A:44:CYS:CA	5	0.19
(1,136)	1:A:48:ARG:CG	1:A:47:GLU:CA	7	0.19
(1,136)	1:A:44:CYS:CB	1:A:44:CYS:CA	7	0.19
(1,136)	1:A:48:ARG:CG	1:A:47:GLU:CA	8	0.19
(1,136)	1:A:44:CYS:CB	1:A:44:CYS:CA	8	0.19
(1,136)	1:A:48:ARG:CG	1:A:47:GLU:CA	10	0.19
(1,136)	1:A:44:CYS:CB	1:A:44:CYS:CA	10	0.19
(1,1304)	1:D:70:ARG:C	1:D:74:MET:CA	3	0.19
(1,1304)	1:D:74:MET:C	1:D:74:MET:CA	3	0.19
(1,1304)	1:D:75:VAL:C	1:D:74:MET:CA	3	0.19
(1,1304)	1:D:77:TRP:C	1:D:74:MET:CA	3	0.19
(1,1304)	1:D:68:PRO:C	1:D:67:THR:CA	3	0.19
(1,1304)	1:D:84:GLY:C	1:D:83:ARG:CA	3	0.19
(1,1304)	1:D:20:PHE:C	1:D:18:MET:CA	3	0.19
(1,1304)	1:D:44:CYS:C	1:D:48:ARG:CA	3	0.19
(1,1304)	1:D:70:ARG:C	1:D:74:MET:CA	7	0.19
(1,1304)	1:D:74:MET:C	1:D:74:MET:CA	7	0.19
(1,1304)	1:D:75:VAL:C	1:D:74:MET:CA	7	0.19
(1,1304)	1:D:77:TRP:C	1:D:74:MET:CA	7	0.19
(1,1304)	1:D:68:PRO:C	1:D:67:THR:CA	7	0.19
(1,1304)	1:D:84:GLY:C	1:D:83:ARG:CA	7	0.19
(1,1304)	1:D:20:PHE:C	1:D:18:MET:CA	7	0.19
(1,1304)	1:D:44:CYS:C	1:D:48:ARG:CA	7	0.19
(1,1304)	1:D:70:ARG:C	1:D:74:MET:CA	9	0.19
(1,1304)	1:D:74:MET:C	1:D:74:MET:CA	9	0.19
(1,1304)	1:D:75:VAL:C	1:D:74:MET:CA	9	0.19
(1,1304)	1:D:77:TRP:C	1:D:74:MET:CA	9	0.19
(1,1304)	1:D:68:PRO:C	1:D:67:THR:CA	9	0.19
(1,1304)	1:D:84:GLY:C	1:D:83:ARG:CA	9	0.19
(1,1304)	1:D:20:PHE:C	1:D:18:MET:CA	9	0.19
(1,1304)	1:D:44:CYS:C	1:D:48:ARG:CA	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1304)	1:D:70:ARG:C	1:D:74:MET:CA	10	0.19
(1,1304)	1:D:74:MET:C	1:D:74:MET:CA	10	0.19
(1,1304)	1:D:75:VAL:C	1:D:74:MET:CA	10	0.19
(1,1304)	1:D:77:TRP:C	1:D:74:MET:CA	10	0.19
(1,1304)	1:D:68:PRO:C	1:D:67:THR:CA	10	0.19
(1,1304)	1:D:84:GLY:C	1:D:83:ARG:CA	10	0.19
(1,1304)	1:D:20:PHE:C	1:D:18:MET:CA	10	0.19
(1,1304)	1:D:44:CYS:C	1:D:48:ARG:CA	10	0.19
(1,1265)	1:D:83:ARG:CA	1:D:84:GLY:C	3	0.19
(1,1265)	1:D:74:MET:CA	1:D:74:MET:C	3	0.19
(1,1265)	1:D:74:MET:CA	1:D:77:TRP:C	3	0.19
(1,1265)	1:D:83:ARG:CA	1:D:84:GLY:C	7	0.19
(1,1265)	1:D:74:MET:CA	1:D:74:MET:C	7	0.19
(1,1265)	1:D:74:MET:CA	1:D:77:TRP:C	7	0.19
(1,1205)	1:D:68:PRO:CB	1:D:70:ARG:C	4	0.19
(1,110)	1:A:18:MET:CB	1:A:18:MET:CA	1	0.19
(1,110)	1:A:75:VAL:CB	1:A:74:MET:CA	1	0.19
(1,110)	1:A:18:MET:CB	1:A:18:MET:CA	2	0.19
(1,110)	1:A:75:VAL:CB	1:A:74:MET:CA	2	0.19
(1,110)	1:A:18:MET:CB	1:A:18:MET:CA	3	0.19
(1,110)	1:A:75:VAL:CB	1:A:74:MET:CA	3	0.19
(1,110)	1:A:18:MET:CB	1:A:18:MET:CA	10	0.19
(1,110)	1:A:75:VAL:CB	1:A:74:MET:CA	10	0.19
(1,1094)	1:D:123:VAL:CA	1:D:123:VAL:CB	1	0.19
(1,1094)	1:D:123:VAL:CA	1:D:123:VAL:CB	2	0.19
(1,1094)	1:D:123:VAL:CA	1:D:123:VAL:CB	3	0.19
(1,1094)	1:D:123:VAL:CA	1:D:123:VAL:CB	4	0.19
(1,1094)	1:D:123:VAL:CA	1:D:123:VAL:CB	5	0.19
(1,1094)	1:D:123:VAL:CA	1:D:123:VAL:CB	6	0.19
(1,1094)	1:D:123:VAL:CA	1:D:123:VAL:CB	7	0.19
(1,1094)	1:D:123:VAL:CA	1:D:123:VAL:CB	8	0.19
(1,1094)	1:D:123:VAL:CA	1:D:123:VAL:CB	10	0.19
(1,1082)	1:D:18:MET:CA	1:D:18:MET:CG	2	0.19
(1,1082)	1:D:74:MET:CA	1:D:74:MET:CB	2	0.19
(1,1082)	1:D:18:MET:CA	1:D:18:MET:CG	3	0.19
(1,1082)	1:D:74:MET:CA	1:D:74:MET:CB	3	0.19
(1,1082)	1:D:18:MET:CA	1:D:18:MET:CG	5	0.19
(1,1082)	1:D:74:MET:CA	1:D:74:MET:CB	5	0.19
(1,1082)	1:D:18:MET:CA	1:D:18:MET:CG	6	0.19
(1,1082)	1:D:74:MET:CA	1:D:74:MET:CB	6	0.19
(1,1082)	1:D:18:MET:CA	1:D:18:MET:CG	7	0.19
(1,1082)	1:D:74:MET:CA	1:D:74:MET:CB	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1082)	1:D:18:MET:CA	1:D:18:MET:CG	9	0.19
(1,1082)	1:D:74:MET:CA	1:D:74:MET:CB	9	0.19
(1,106)	1:A:49:VAL:CB	1:A:48:ARG:CA	2	0.19
(1,106)	1:A:75:VAL:CB	1:A:74:MET:CA	2	0.19
(1,106)	1:A:76:ILE:CG1	1:A:74:MET:CA	2	0.19
(1,106)	1:A:18:MET:CB	1:A:18:MET:CA	2	0.19
(1,106)	1:A:72:VAL:CB	1:A:74:MET:CA	2	0.19
(1,106)	1:A:49:VAL:CB	1:A:48:ARG:CA	3	0.19
(1,106)	1:A:75:VAL:CB	1:A:74:MET:CA	3	0.19
(1,106)	1:A:76:ILE:CG1	1:A:74:MET:CA	3	0.19
(1,106)	1:A:18:MET:CB	1:A:18:MET:CA	3	0.19
(1,106)	1:A:72:VAL:CB	1:A:74:MET:CA	3	0.19
(1,106)	1:A:49:VAL:CB	1:A:48:ARG:CA	10	0.19
(1,106)	1:A:75:VAL:CB	1:A:74:MET:CA	10	0.19
(1,106)	1:A:76:ILE:CG1	1:A:74:MET:CA	10	0.19
(1,106)	1:A:18:MET:CB	1:A:18:MET:CA	10	0.19
(1,106)	1:A:72:VAL:CB	1:A:74:MET:CA	10	0.19
(1,103)	1:A:108:VAL:CB	1:A:108:VAL:CA	1	0.19
(1,103)	1:A:108:VAL:CB	1:A:108:VAL:CA	2	0.19
(1,103)	1:A:108:VAL:CB	1:A:108:VAL:CA	5	0.19
(1,103)	1:A:108:VAL:CB	1:A:108:VAL:CA	6	0.19
(1,103)	1:A:108:VAL:CB	1:A:108:VAL:CA	9	0.19
(1,103)	1:A:108:VAL:CB	1:A:108:VAL:CA	10	0.19
(1,98)	1:A:74:MET:CB	1:A:74:MET:CA	1	0.18
(1,98)	1:A:18:MET:CG	1:A:18:MET:CA	1	0.18
(1,98)	1:A:68:PRO:CB	1:A:67:THR:CA	1	0.18
(1,98)	1:A:74:MET:CB	1:A:74:MET:CA	5	0.18
(1,98)	1:A:18:MET:CG	1:A:18:MET:CA	5	0.18
(1,98)	1:A:68:PRO:CB	1:A:67:THR:CA	5	0.18
(1,98)	1:A:74:MET:CB	1:A:74:MET:CA	7	0.18
(1,98)	1:A:18:MET:CG	1:A:18:MET:CA	7	0.18
(1,98)	1:A:68:PRO:CB	1:A:67:THR:CA	7	0.18
(1,98)	1:A:74:MET:CB	1:A:74:MET:CA	8	0.18
(1,98)	1:A:18:MET:CG	1:A:18:MET:CA	8	0.18
(1,98)	1:A:68:PRO:CB	1:A:67:THR:CA	8	0.18
(1,98)	1:A:74:MET:CB	1:A:74:MET:CA	9	0.18
(1,98)	1:A:18:MET:CG	1:A:18:MET:CA	9	0.18
(1,98)	1:A:68:PRO:CB	1:A:67:THR:CA	9	0.18
(1,975)	1:D:74:MET:CA	1:D:74:MET:C	9	0.18
(1,975)	1:D:32:PHE:CA	1:D:33:GLN:C	9	0.18
(1,975)	1:D:74:MET:CA	1:D:74:MET:C	10	0.18
(1,975)	1:D:32:PHE:CA	1:D:33:GLN:C	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,968)	1:D:68:PRO:CA	1:D:68:PRO:C	1	0.18
(1,968)	1:D:68:PRO:CA	1:D:69:LEU:C	1	0.18
(1,968)	1:D:98:PRO:CA	1:D:96:LEU:C	1	0.18
(1,968)	1:D:150:PHE:CA	1:D:146:LEU:C	1	0.18
(1,968)	1:D:150:PHE:CA	1:D:151:ILE:C	1	0.18
(1,968)	1:D:68:PRO:CA	1:D:68:PRO:C	4	0.18
(1,968)	1:D:68:PRO:CA	1:D:69:LEU:C	4	0.18
(1,968)	1:D:98:PRO:CA	1:D:96:LEU:C	4	0.18
(1,968)	1:D:150:PHE:CA	1:D:146:LEU:C	4	0.18
(1,968)	1:D:150:PHE:CA	1:D:151:ILE:C	4	0.18
(1,968)	1:D:68:PRO:CA	1:D:68:PRO:C	5	0.18
(1,968)	1:D:68:PRO:CA	1:D:69:LEU:C	5	0.18
(1,968)	1:D:98:PRO:CA	1:D:96:LEU:C	5	0.18
(1,968)	1:D:150:PHE:CA	1:D:146:LEU:C	5	0.18
(1,968)	1:D:150:PHE:CA	1:D:151:ILE:C	5	0.18
(1,968)	1:D:68:PRO:CA	1:D:68:PRO:C	6	0.18
(1,968)	1:D:68:PRO:CA	1:D:69:LEU:C	6	0.18
(1,968)	1:D:98:PRO:CA	1:D:96:LEU:C	6	0.18
(1,968)	1:D:150:PHE:CA	1:D:146:LEU:C	6	0.18
(1,968)	1:D:150:PHE:CA	1:D:151:ILE:C	6	0.18
(1,968)	1:D:68:PRO:CA	1:D:68:PRO:C	7	0.18
(1,968)	1:D:68:PRO:CA	1:D:69:LEU:C	7	0.18
(1,968)	1:D:98:PRO:CA	1:D:96:LEU:C	7	0.18
(1,968)	1:D:150:PHE:CA	1:D:146:LEU:C	7	0.18
(1,968)	1:D:150:PHE:CA	1:D:151:ILE:C	7	0.18
(1,968)	1:D:68:PRO:CA	1:D:68:PRO:C	8	0.18
(1,968)	1:D:68:PRO:CA	1:D:69:LEU:C	8	0.18
(1,968)	1:D:98:PRO:CA	1:D:96:LEU:C	8	0.18
(1,968)	1:D:150:PHE:CA	1:D:146:LEU:C	8	0.18
(1,968)	1:D:150:PHE:CA	1:D:151:ILE:C	8	0.18
(1,963)	1:D:68:PRO:CA	1:D:68:PRO:C	1	0.18
(1,963)	1:D:98:PRO:CA	1:D:96:LEU:C	1	0.18
(1,963)	1:D:68:PRO:CA	1:D:69:LEU:C	1	0.18
(1,963)	1:D:115:PRO:CA	1:D:117:ASP:C	1	0.18
(1,963)	1:D:150:PHE:CA	1:D:146:LEU:C	1	0.18
(1,963)	1:D:150:PHE:CA	1:D:151:ILE:C	1	0.18
(1,963)	1:D:35:VAL:CA	1:D:33:GLN:C	1	0.18
(1,963)	1:D:68:PRO:CA	1:D:68:PRO:C	2	0.18
(1,963)	1:D:98:PRO:CA	1:D:96:LEU:C	2	0.18
(1,963)	1:D:68:PRO:CA	1:D:69:LEU:C	2	0.18
(1,963)	1:D:115:PRO:CA	1:D:117:ASP:C	2	0.18
(1,963)	1:D:150:PHE:CA	1:D:146:LEU:C	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:D:150:PHE:CA	1:D:151:ILE:C	2	0.18
(1,963)	1:D:35:VAL:CA	1:D:33:GLN:C	2	0.18
(1,963)	1:D:68:PRO:CA	1:D:68:PRO:C	3	0.18
(1,963)	1:D:98:PRO:CA	1:D:96:LEU:C	3	0.18
(1,963)	1:D:68:PRO:CA	1:D:69:LEU:C	3	0.18
(1,963)	1:D:115:PRO:CA	1:D:117:ASP:C	3	0.18
(1,963)	1:D:150:PHE:CA	1:D:146:LEU:C	3	0.18
(1,963)	1:D:150:PHE:CA	1:D:151:ILE:C	3	0.18
(1,963)	1:D:35:VAL:CA	1:D:33:GLN:C	3	0.18
(1,963)	1:D:68:PRO:CA	1:D:68:PRO:C	4	0.18
(1,963)	1:D:98:PRO:CA	1:D:96:LEU:C	4	0.18
(1,963)	1:D:68:PRO:CA	1:D:69:LEU:C	4	0.18
(1,963)	1:D:115:PRO:CA	1:D:117:ASP:C	4	0.18
(1,963)	1:D:150:PHE:CA	1:D:146:LEU:C	4	0.18
(1,963)	1:D:150:PHE:CA	1:D:151:ILE:C	4	0.18
(1,963)	1:D:35:VAL:CA	1:D:33:GLN:C	4	0.18
(1,963)	1:D:68:PRO:CA	1:D:68:PRO:C	5	0.18
(1,963)	1:D:98:PRO:CA	1:D:96:LEU:C	5	0.18
(1,963)	1:D:68:PRO:CA	1:D:69:LEU:C	5	0.18
(1,963)	1:D:115:PRO:CA	1:D:117:ASP:C	5	0.18
(1,963)	1:D:150:PHE:CA	1:D:146:LEU:C	5	0.18
(1,963)	1:D:150:PHE:CA	1:D:151:ILE:C	5	0.18
(1,963)	1:D:35:VAL:CA	1:D:33:GLN:C	5	0.18
(1,963)	1:D:68:PRO:CA	1:D:68:PRO:C	6	0.18
(1,963)	1:D:98:PRO:CA	1:D:96:LEU:C	6	0.18
(1,963)	1:D:68:PRO:CA	1:D:69:LEU:C	6	0.18
(1,963)	1:D:115:PRO:CA	1:D:117:ASP:C	6	0.18
(1,963)	1:D:150:PHE:CA	1:D:146:LEU:C	6	0.18
(1,963)	1:D:150:PHE:CA	1:D:151:ILE:C	6	0.18
(1,963)	1:D:35:VAL:CA	1:D:33:GLN:C	6	0.18
(1,963)	1:D:68:PRO:CA	1:D:68:PRO:C	7	0.18
(1,963)	1:D:98:PRO:CA	1:D:96:LEU:C	7	0.18
(1,963)	1:D:68:PRO:CA	1:D:69:LEU:C	7	0.18
(1,963)	1:D:115:PRO:CA	1:D:117:ASP:C	7	0.18
(1,963)	1:D:150:PHE:CA	1:D:146:LEU:C	7	0.18
(1,963)	1:D:150:PHE:CA	1:D:151:ILE:C	7	0.18
(1,963)	1:D:35:VAL:CA	1:D:33:GLN:C	7	0.18
(1,963)	1:D:68:PRO:CA	1:D:68:PRO:C	8	0.18
(1,963)	1:D:98:PRO:CA	1:D:96:LEU:C	8	0.18
(1,963)	1:D:68:PRO:CA	1:D:69:LEU:C	8	0.18
(1,963)	1:D:115:PRO:CA	1:D:117:ASP:C	8	0.18
(1,963)	1:D:150:PHE:CA	1:D:146:LEU:C	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:D:150:PHE:CA	1:D:151:ILE:C	8	0.18
(1,963)	1:D:35:VAL:CA	1:D:33:GLN:C	8	0.18
(1,963)	1:D:68:PRO:CA	1:D:68:PRO:C	10	0.18
(1,963)	1:D:98:PRO:CA	1:D:96:LEU:C	10	0.18
(1,963)	1:D:68:PRO:CA	1:D:69:LEU:C	10	0.18
(1,963)	1:D:115:PRO:CA	1:D:117:ASP:C	10	0.18
(1,963)	1:D:150:PHE:CA	1:D:146:LEU:C	10	0.18
(1,963)	1:D:150:PHE:CA	1:D:151:ILE:C	10	0.18
(1,963)	1:D:35:VAL:CA	1:D:33:GLN:C	10	0.18
(1,96)	1:A:18:MET:CG	1:A:18:MET:CA	1	0.18
(1,96)	1:A:74:MET:CB	1:A:74:MET:CA	1	0.18
(1,96)	1:A:18:MET:CG	1:A:18:MET:CA	5	0.18
(1,96)	1:A:74:MET:CB	1:A:74:MET:CA	5	0.18
(1,96)	1:A:18:MET:CG	1:A:18:MET:CA	7	0.18
(1,96)	1:A:74:MET:CB	1:A:74:MET:CA	7	0.18
(1,96)	1:A:18:MET:CG	1:A:18:MET:CA	8	0.18
(1,96)	1:A:74:MET:CB	1:A:74:MET:CA	8	0.18
(1,96)	1:A:18:MET:CG	1:A:18:MET:CA	9	0.18
(1,96)	1:A:74:MET:CB	1:A:74:MET:CA	9	0.18
(1,9)	1:A:100:PRO:CD	1:A:102:ALA:CA	3	0.18
(1,860)	1:D:45:ILE:CG1	1:D:45:ILE:CB	1	0.18
(1,860)	1:D:45:ILE:CG1	1:D:45:ILE:CB	3	0.18
(1,860)	1:D:45:ILE:CG1	1:D:45:ILE:CB	4	0.18
(1,860)	1:D:45:ILE:CG1	1:D:45:ILE:CB	6	0.18
(1,860)	1:D:45:ILE:CG1	1:D:45:ILE:CB	7	0.18
(1,860)	1:D:45:ILE:CG1	1:D:45:ILE:CB	9	0.18
(1,859)	1:D:94:LEU:CG	1:D:93:MET:CB	1	0.18
(1,859)	1:D:45:ILE:CG1	1:D:45:ILE:CB	1	0.18
(1,859)	1:D:94:LEU:CG	1:D:93:MET:CB	3	0.18
(1,859)	1:D:45:ILE:CG1	1:D:45:ILE:CB	3	0.18
(1,859)	1:D:94:LEU:CG	1:D:93:MET:CB	4	0.18
(1,859)	1:D:45:ILE:CG1	1:D:45:ILE:CB	4	0.18
(1,859)	1:D:94:LEU:CG	1:D:93:MET:CB	6	0.18
(1,859)	1:D:45:ILE:CG1	1:D:45:ILE:CB	6	0.18
(1,859)	1:D:94:LEU:CG	1:D:93:MET:CB	7	0.18
(1,859)	1:D:45:ILE:CG1	1:D:45:ILE:CB	7	0.18
(1,859)	1:D:94:LEU:CG	1:D:93:MET:CB	9	0.18
(1,859)	1:D:45:ILE:CG1	1:D:45:ILE:CB	9	0.18
(1,852)	1:D:63:ILE:CG1	1:D:63:ILE:CB	1	0.18
(1,852)	1:D:63:ILE:CG1	1:D:63:ILE:CB	7	0.18
(1,852)	1:D:63:ILE:CG1	1:D:63:ILE:CB	8	0.18
(1,852)	1:D:63:ILE:CG1	1:D:63:ILE:CB	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,833)	1:D:63:ILE:CG1	1:D:63:ILE:CB	1	0.18
(1,833)	1:D:63:ILE:CG1	1:D:63:ILE:CB	7	0.18
(1,833)	1:D:63:ILE:CG1	1:D:63:ILE:CB	8	0.18
(1,833)	1:D:63:ILE:CG1	1:D:63:ILE:CB	9	0.18
(1,765)	1:D:74:MET:CB	1:D:74:MET:CA	10	0.18
(1,765)	1:D:18:MET:CG	1:D:18:MET:CA	10	0.18
(1,765)	1:D:68:PRO:CB	1:D:67:THR:CA	10	0.18
(1,763)	1:D:18:MET:CG	1:D:18:MET:CA	10	0.18
(1,763)	1:D:74:MET:CB	1:D:74:MET:CA	10	0.18
(1,721)	1:D:104:CYS:CB	1:D:104:CYS:CA	3	0.18
(1,721)	1:D:25:LEU:CB	1:D:24:ALA:CA	3	0.18
(1,719)	1:D:104:CYS:CB	1:D:104:CYS:CA	3	0.18
(1,637)	1:A:70:ARG:C	1:A:74:MET:CA	1	0.18
(1,637)	1:A:74:MET:C	1:A:74:MET:CA	1	0.18
(1,637)	1:A:75:VAL:C	1:A:74:MET:CA	1	0.18
(1,637)	1:A:77:TRP:C	1:A:74:MET:CA	1	0.18
(1,637)	1:A:68:PRO:C	1:A:67:THR:CA	1	0.18
(1,637)	1:A:84:GLY:C	1:A:83:ARG:CA	1	0.18
(1,637)	1:A:20:PHE:C	1:A:18:MET:CA	1	0.18
(1,637)	1:A:44:CYS:C	1:A:48:ARG:CA	1	0.18
(1,637)	1:A:70:ARG:C	1:A:74:MET:CA	2	0.18
(1,637)	1:A:74:MET:C	1:A:74:MET:CA	2	0.18
(1,637)	1:A:75:VAL:C	1:A:74:MET:CA	2	0.18
(1,637)	1:A:77:TRP:C	1:A:74:MET:CA	2	0.18
(1,637)	1:A:68:PRO:C	1:A:67:THR:CA	2	0.18
(1,637)	1:A:84:GLY:C	1:A:83:ARG:CA	2	0.18
(1,637)	1:A:20:PHE:C	1:A:18:MET:CA	2	0.18
(1,637)	1:A:44:CYS:C	1:A:48:ARG:CA	2	0.18
(1,637)	1:A:70:ARG:C	1:A:74:MET:CA	3	0.18
(1,637)	1:A:74:MET:C	1:A:74:MET:CA	3	0.18
(1,637)	1:A:75:VAL:C	1:A:74:MET:CA	3	0.18
(1,637)	1:A:77:TRP:C	1:A:74:MET:CA	3	0.18
(1,637)	1:A:68:PRO:C	1:A:67:THR:CA	3	0.18
(1,637)	1:A:84:GLY:C	1:A:83:ARG:CA	3	0.18
(1,637)	1:A:20:PHE:C	1:A:18:MET:CA	3	0.18
(1,637)	1:A:44:CYS:C	1:A:48:ARG:CA	3	0.18
(1,637)	1:A:70:ARG:C	1:A:74:MET:CA	4	0.18
(1,637)	1:A:74:MET:C	1:A:74:MET:CA	4	0.18
(1,637)	1:A:75:VAL:C	1:A:74:MET:CA	4	0.18
(1,637)	1:A:77:TRP:C	1:A:74:MET:CA	4	0.18
(1,637)	1:A:68:PRO:C	1:A:67:THR:CA	4	0.18
(1,637)	1:A:84:GLY:C	1:A:83:ARG:CA	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,637)	1:A:20:PHE:C	1:A:18:MET:CA	4	0.18
(1,637)	1:A:44:CYS:C	1:A:48:ARG:CA	4	0.18
(1,637)	1:A:70:ARG:C	1:A:74:MET:CA	5	0.18
(1,637)	1:A:74:MET:C	1:A:74:MET:CA	5	0.18
(1,637)	1:A:75:VAL:C	1:A:74:MET:CA	5	0.18
(1,637)	1:A:77:TRP:C	1:A:74:MET:CA	5	0.18
(1,637)	1:A:68:PRO:C	1:A:67:THR:CA	5	0.18
(1,637)	1:A:84:GLY:C	1:A:83:ARG:CA	5	0.18
(1,637)	1:A:20:PHE:C	1:A:18:MET:CA	5	0.18
(1,637)	1:A:44:CYS:C	1:A:48:ARG:CA	5	0.18
(1,637)	1:A:70:ARG:C	1:A:74:MET:CA	6	0.18
(1,637)	1:A:74:MET:C	1:A:74:MET:CA	6	0.18
(1,637)	1:A:75:VAL:C	1:A:74:MET:CA	6	0.18
(1,637)	1:A:77:TRP:C	1:A:74:MET:CA	6	0.18
(1,637)	1:A:68:PRO:C	1:A:67:THR:CA	6	0.18
(1,637)	1:A:84:GLY:C	1:A:83:ARG:CA	6	0.18
(1,637)	1:A:20:PHE:C	1:A:18:MET:CA	6	0.18
(1,637)	1:A:44:CYS:C	1:A:48:ARG:CA	6	0.18
(1,637)	1:A:70:ARG:C	1:A:74:MET:CA	7	0.18
(1,637)	1:A:74:MET:C	1:A:74:MET:CA	7	0.18
(1,637)	1:A:75:VAL:C	1:A:74:MET:CA	7	0.18
(1,637)	1:A:77:TRP:C	1:A:74:MET:CA	7	0.18
(1,637)	1:A:68:PRO:C	1:A:67:THR:CA	7	0.18
(1,637)	1:A:84:GLY:C	1:A:83:ARG:CA	7	0.18
(1,637)	1:A:20:PHE:C	1:A:18:MET:CA	7	0.18
(1,637)	1:A:44:CYS:C	1:A:48:ARG:CA	7	0.18
(1,637)	1:A:70:ARG:C	1:A:74:MET:CA	9	0.18
(1,637)	1:A:74:MET:C	1:A:74:MET:CA	9	0.18
(1,637)	1:A:75:VAL:C	1:A:74:MET:CA	9	0.18
(1,637)	1:A:77:TRP:C	1:A:74:MET:CA	9	0.18
(1,637)	1:A:68:PRO:C	1:A:67:THR:CA	9	0.18
(1,637)	1:A:84:GLY:C	1:A:83:ARG:CA	9	0.18
(1,637)	1:A:20:PHE:C	1:A:18:MET:CA	9	0.18
(1,637)	1:A:44:CYS:C	1:A:48:ARG:CA	9	0.18
(1,637)	1:A:70:ARG:C	1:A:74:MET:CA	10	0.18
(1,637)	1:A:74:MET:C	1:A:74:MET:CA	10	0.18
(1,637)	1:A:75:VAL:C	1:A:74:MET:CA	10	0.18
(1,637)	1:A:77:TRP:C	1:A:74:MET:CA	10	0.18
(1,637)	1:A:68:PRO:C	1:A:67:THR:CA	10	0.18
(1,637)	1:A:84:GLY:C	1:A:83:ARG:CA	10	0.18
(1,637)	1:A:20:PHE:C	1:A:18:MET:CA	10	0.18
(1,637)	1:A:44:CYS:C	1:A:48:ARG:CA	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,617)	1:A:104:CYS:CA	1:A:104:CYS:C	3	0.18
(1,617)	1:A:104:CYS:CA	1:A:104:CYS:C	4	0.18
(1,617)	1:A:104:CYS:CA	1:A:104:CYS:C	6	0.18
(1,617)	1:A:104:CYS:CA	1:A:104:CYS:C	7	0.18
(1,617)	1:A:104:CYS:CA	1:A:104:CYS:C	8	0.18
(1,617)	1:A:104:CYS:CA	1:A:104:CYS:C	9	0.18
(1,617)	1:A:104:CYS:CA	1:A:104:CYS:C	10	0.18
(1,616)	1:A:104:CYS:CA	1:A:104:CYS:C	3	0.18
(1,616)	1:A:104:CYS:CA	1:A:104:CYS:C	4	0.18
(1,616)	1:A:104:CYS:CA	1:A:104:CYS:C	6	0.18
(1,616)	1:A:104:CYS:CA	1:A:104:CYS:C	7	0.18
(1,616)	1:A:104:CYS:CA	1:A:104:CYS:C	8	0.18
(1,616)	1:A:104:CYS:CA	1:A:104:CYS:C	9	0.18
(1,616)	1:A:104:CYS:CA	1:A:104:CYS:C	10	0.18
(1,598)	1:A:83:ARG:CA	1:A:84:GLY:C	2	0.18
(1,598)	1:A:74:MET:CA	1:A:74:MET:C	2	0.18
(1,598)	1:A:74:MET:CA	1:A:77:TRP:C	2	0.18
(1,598)	1:A:83:ARG:CA	1:A:84:GLY:C	3	0.18
(1,598)	1:A:74:MET:CA	1:A:74:MET:C	3	0.18
(1,598)	1:A:74:MET:CA	1:A:77:TRP:C	3	0.18
(1,598)	1:A:83:ARG:CA	1:A:84:GLY:C	4	0.18
(1,598)	1:A:74:MET:CA	1:A:74:MET:C	4	0.18
(1,598)	1:A:74:MET:CA	1:A:77:TRP:C	4	0.18
(1,598)	1:A:83:ARG:CA	1:A:84:GLY:C	5	0.18
(1,598)	1:A:74:MET:CA	1:A:74:MET:C	5	0.18
(1,598)	1:A:74:MET:CA	1:A:77:TRP:C	5	0.18
(1,598)	1:A:83:ARG:CA	1:A:84:GLY:C	7	0.18
(1,598)	1:A:74:MET:CA	1:A:74:MET:C	7	0.18
(1,598)	1:A:74:MET:CA	1:A:77:TRP:C	7	0.18
(1,598)	1:A:83:ARG:CA	1:A:84:GLY:C	9	0.18
(1,598)	1:A:74:MET:CA	1:A:74:MET:C	9	0.18
(1,598)	1:A:74:MET:CA	1:A:77:TRP:C	9	0.18
(1,54)	1:A:104:CYS:CB	1:A:104:CYS:CA	9	0.18
(1,54)	1:A:25:LEU:CB	1:A:24:ALA:CA	9	0.18
(1,54)	1:A:104:CYS:CB	1:A:104:CYS:CA	10	0.18
(1,54)	1:A:25:LEU:CB	1:A:24:ALA:CA	10	0.18
(1,52)	1:A:104:CYS:CB	1:A:104:CYS:CA	9	0.18
(1,52)	1:A:104:CYS:CB	1:A:104:CYS:CA	10	0.18
(1,44)	1:A:76:ILE:CB	1:A:75:VAL:CA	3	0.18
(1,44)	1:A:155:ILE:CB	1:A:155:ILE:CA	3	0.18
(1,44)	1:A:155:ILE:CB	1:A:156:VAL:CA	3	0.18
(1,44)	1:A:76:ILE:CB	1:A:75:VAL:CA	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:A:155:ILE:CB	1:A:155:ILE:CA	9	0.18
(1,44)	1:A:155:ILE:CB	1:A:156:VAL:CA	9	0.18
(1,44)	1:A:76:ILE:CB	1:A:75:VAL:CA	10	0.18
(1,44)	1:A:155:ILE:CB	1:A:155:ILE:CA	10	0.18
(1,44)	1:A:155:ILE:CB	1:A:156:VAL:CA	10	0.18
(1,427)	1:A:123:VAL:CA	1:A:123:VAL:CB	2	0.18
(1,427)	1:A:123:VAL:CA	1:A:123:VAL:CB	3	0.18
(1,427)	1:A:123:VAL:CA	1:A:123:VAL:CB	5	0.18
(1,427)	1:A:123:VAL:CA	1:A:123:VAL:CB	6	0.18
(1,427)	1:A:123:VAL:CA	1:A:123:VAL:CB	7	0.18
(1,427)	1:A:123:VAL:CA	1:A:123:VAL:CB	8	0.18
(1,427)	1:A:123:VAL:CA	1:A:123:VAL:CB	10	0.18
(1,415)	1:A:18:MET:CA	1:A:18:MET:CG	1	0.18
(1,415)	1:A:74:MET:CA	1:A:74:MET:CB	1	0.18
(1,415)	1:A:18:MET:CA	1:A:18:MET:CG	5	0.18
(1,415)	1:A:74:MET:CA	1:A:74:MET:CB	5	0.18
(1,415)	1:A:18:MET:CA	1:A:18:MET:CG	7	0.18
(1,415)	1:A:74:MET:CA	1:A:74:MET:CB	7	0.18
(1,415)	1:A:18:MET:CA	1:A:18:MET:CG	8	0.18
(1,415)	1:A:74:MET:CA	1:A:74:MET:CB	8	0.18
(1,415)	1:A:18:MET:CA	1:A:18:MET:CG	9	0.18
(1,415)	1:A:74:MET:CA	1:A:74:MET:CB	9	0.18
(1,384)	1:A:104:CYS:CA	1:A:104:CYS:CB	9	0.18
(1,384)	1:A:104:CYS:CA	1:A:104:CYS:CB	10	0.18
(1,332)	1:A:104:CYS:CA	1:A:104:CYS:C	3	0.18
(1,332)	1:A:104:CYS:CA	1:A:104:CYS:C	4	0.18
(1,332)	1:A:104:CYS:CA	1:A:104:CYS:C	6	0.18
(1,332)	1:A:104:CYS:CA	1:A:104:CYS:C	7	0.18
(1,332)	1:A:104:CYS:CA	1:A:104:CYS:C	8	0.18
(1,332)	1:A:104:CYS:CA	1:A:104:CYS:C	9	0.18
(1,332)	1:A:104:CYS:CA	1:A:104:CYS:C	10	0.18
(1,308)	1:A:74:MET:CA	1:A:74:MET:C	3	0.18
(1,308)	1:A:32:PHE:CA	1:A:33:GLN:C	3	0.18
(1,308)	1:A:74:MET:CA	1:A:74:MET:C	4	0.18
(1,308)	1:A:32:PHE:CA	1:A:33:GLN:C	4	0.18
(1,308)	1:A:74:MET:CA	1:A:74:MET:C	5	0.18
(1,308)	1:A:32:PHE:CA	1:A:33:GLN:C	5	0.18
(1,308)	1:A:74:MET:CA	1:A:74:MET:C	7	0.18
(1,308)	1:A:32:PHE:CA	1:A:33:GLN:C	7	0.18
(1,308)	1:A:74:MET:CA	1:A:74:MET:C	9	0.18
(1,308)	1:A:32:PHE:CA	1:A:33:GLN:C	9	0.18
(1,301)	1:A:68:PRO:CA	1:A:68:PRO:C	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:A:68:PRO:CA	1:A:69:LEU:C	9	0.18
(1,301)	1:A:98:PRO:CA	1:A:96:LEU:C	9	0.18
(1,301)	1:A:150:PHE:CA	1:A:146:LEU:C	9	0.18
(1,301)	1:A:150:PHE:CA	1:A:151:ILE:C	9	0.18
(1,296)	1:A:68:PRO:CA	1:A:68:PRO:C	9	0.18
(1,296)	1:A:98:PRO:CA	1:A:96:LEU:C	9	0.18
(1,296)	1:A:68:PRO:CA	1:A:69:LEU:C	9	0.18
(1,296)	1:A:115:PRO:CA	1:A:117:ASP:C	9	0.18
(1,296)	1:A:150:PHE:CA	1:A:146:LEU:C	9	0.18
(1,296)	1:A:150:PHE:CA	1:A:151:ILE:C	9	0.18
(1,296)	1:A:35:VAL:CA	1:A:33:GLN:C	9	0.18
(1,193)	1:A:45:ILE:CG1	1:A:45:ILE:CB	2	0.18
(1,193)	1:A:45:ILE:CG1	1:A:45:ILE:CB	5	0.18
(1,193)	1:A:45:ILE:CG1	1:A:45:ILE:CB	6	0.18
(1,193)	1:A:45:ILE:CG1	1:A:45:ILE:CB	7	0.18
(1,193)	1:A:45:ILE:CG1	1:A:45:ILE:CB	8	0.18
(1,193)	1:A:45:ILE:CG1	1:A:45:ILE:CB	9	0.18
(1,193)	1:A:45:ILE:CG1	1:A:45:ILE:CB	10	0.18
(1,192)	1:A:94:LEU:CG	1:A:93:MET:CB	2	0.18
(1,192)	1:A:45:ILE:CG1	1:A:45:ILE:CB	2	0.18
(1,192)	1:A:94:LEU:CG	1:A:93:MET:CB	5	0.18
(1,192)	1:A:45:ILE:CG1	1:A:45:ILE:CB	5	0.18
(1,192)	1:A:94:LEU:CG	1:A:93:MET:CB	6	0.18
(1,192)	1:A:45:ILE:CG1	1:A:45:ILE:CB	6	0.18
(1,192)	1:A:94:LEU:CG	1:A:93:MET:CB	7	0.18
(1,192)	1:A:45:ILE:CG1	1:A:45:ILE:CB	7	0.18
(1,192)	1:A:94:LEU:CG	1:A:93:MET:CB	8	0.18
(1,192)	1:A:45:ILE:CG1	1:A:45:ILE:CB	8	0.18
(1,192)	1:A:94:LEU:CG	1:A:93:MET:CB	9	0.18
(1,192)	1:A:45:ILE:CG1	1:A:45:ILE:CB	9	0.18
(1,192)	1:A:94:LEU:CG	1:A:93:MET:CB	10	0.18
(1,192)	1:A:45:ILE:CG1	1:A:45:ILE:CB	10	0.18
(1,1265)	1:D:83:ARG:CA	1:D:84:GLY:C	9	0.18
(1,1265)	1:D:74:MET:CA	1:D:74:MET:C	9	0.18
(1,1265)	1:D:74:MET:CA	1:D:77:TRP:C	9	0.18
(1,1265)	1:D:83:ARG:CA	1:D:84:GLY:C	10	0.18
(1,1265)	1:D:74:MET:CA	1:D:74:MET:C	10	0.18
(1,1265)	1:D:74:MET:CA	1:D:77:TRP:C	10	0.18
(1,1205)	1:D:68:PRO:CB	1:D:70:ARG:C	6	0.18
(1,1094)	1:D:123:VAL:CA	1:D:123:VAL:CB	9	0.18
(1,1082)	1:D:18:MET:CA	1:D:18:MET:CG	10	0.18
(1,1082)	1:D:74:MET:CA	1:D:74:MET:CB	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1051)	1:D:104:CYS:CA	1:D:104:CYS:CB	3	0.18
(1,999)	1:D:104:CYS:CA	1:D:104:CYS:C	1	0.17
(1,999)	1:D:104:CYS:CA	1:D:104:CYS:C	2	0.17
(1,999)	1:D:104:CYS:CA	1:D:104:CYS:C	3	0.17
(1,999)	1:D:104:CYS:CA	1:D:104:CYS:C	4	0.17
(1,999)	1:D:104:CYS:CA	1:D:104:CYS:C	5	0.17
(1,999)	1:D:104:CYS:CA	1:D:104:CYS:C	6	0.17
(1,999)	1:D:104:CYS:CA	1:D:104:CYS:C	7	0.17
(1,999)	1:D:104:CYS:CA	1:D:104:CYS:C	8	0.17
(1,999)	1:D:104:CYS:CA	1:D:104:CYS:C	9	0.17
(1,999)	1:D:104:CYS:CA	1:D:104:CYS:C	10	0.17
(1,968)	1:D:68:PRO:CA	1:D:68:PRO:C	2	0.17
(1,968)	1:D:68:PRO:CA	1:D:69:LEU:C	2	0.17
(1,968)	1:D:98:PRO:CA	1:D:96:LEU:C	2	0.17
(1,968)	1:D:150:PHE:CA	1:D:146:LEU:C	2	0.17
(1,968)	1:D:150:PHE:CA	1:D:151:ILE:C	2	0.17
(1,968)	1:D:68:PRO:CA	1:D:68:PRO:C	3	0.17
(1,968)	1:D:68:PRO:CA	1:D:69:LEU:C	3	0.17
(1,968)	1:D:98:PRO:CA	1:D:96:LEU:C	3	0.17
(1,968)	1:D:150:PHE:CA	1:D:146:LEU:C	3	0.17
(1,968)	1:D:150:PHE:CA	1:D:151:ILE:C	3	0.17
(1,968)	1:D:68:PRO:CA	1:D:68:PRO:C	9	0.17
(1,968)	1:D:68:PRO:CA	1:D:69:LEU:C	9	0.17
(1,968)	1:D:98:PRO:CA	1:D:96:LEU:C	9	0.17
(1,968)	1:D:150:PHE:CA	1:D:146:LEU:C	9	0.17
(1,968)	1:D:150:PHE:CA	1:D:151:ILE:C	9	0.17
(1,968)	1:D:68:PRO:CA	1:D:68:PRO:C	10	0.17
(1,968)	1:D:68:PRO:CA	1:D:69:LEU:C	10	0.17
(1,968)	1:D:98:PRO:CA	1:D:96:LEU:C	10	0.17
(1,968)	1:D:150:PHE:CA	1:D:146:LEU:C	10	0.17
(1,968)	1:D:150:PHE:CA	1:D:151:ILE:C	10	0.17
(1,963)	1:D:68:PRO:CA	1:D:68:PRO:C	9	0.17
(1,963)	1:D:98:PRO:CA	1:D:96:LEU:C	9	0.17
(1,963)	1:D:68:PRO:CA	1:D:69:LEU:C	9	0.17
(1,963)	1:D:115:PRO:CA	1:D:117:ASP:C	9	0.17
(1,963)	1:D:150:PHE:CA	1:D:146:LEU:C	9	0.17
(1,963)	1:D:150:PHE:CA	1:D:151:ILE:C	9	0.17
(1,963)	1:D:35:VAL:CA	1:D:33:GLN:C	9	0.17
(1,852)	1:D:63:ILE:CG1	1:D:63:ILE:CB	2	0.17
(1,852)	1:D:63:ILE:CG1	1:D:63:ILE:CB	3	0.17
(1,852)	1:D:63:ILE:CG1	1:D:63:ILE:CB	4	0.17
(1,852)	1:D:63:ILE:CG1	1:D:63:ILE:CB	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,833)	1:D:63:ILE:CG1	1:D:63:ILE:CB	2	0.17
(1,833)	1:D:63:ILE:CG1	1:D:63:ILE:CB	3	0.17
(1,833)	1:D:63:ILE:CG1	1:D:63:ILE:CB	4	0.17
(1,833)	1:D:63:ILE:CG1	1:D:63:ILE:CB	10	0.17
(1,82)	1:A:158:VAL:CB	1:A:158:VAL:CA	1	0.17
(1,82)	1:A:160:VAL:CB	1:A:160:VAL:CA	1	0.17
(1,82)	1:A:160:VAL:CB	1:A:161:VAL:CA	1	0.17
(1,82)	1:A:161:VAL:CB	1:A:160:VAL:CA	1	0.17
(1,82)	1:A:161:VAL:CB	1:A:161:VAL:CA	1	0.17
(1,82)	1:A:49:VAL:CB	1:A:49:VAL:CA	1	0.17
(1,82)	1:A:54:VAL:CB	1:A:54:VAL:CA	1	0.17
(1,82)	1:A:85:VAL:CB	1:A:85:VAL:CA	1	0.17
(1,82)	1:A:155:ILE:CG1	1:A:155:ILE:CA	1	0.17
(1,82)	1:A:156:VAL:CB	1:A:155:ILE:CA	1	0.17
(1,82)	1:A:156:VAL:CB	1:A:156:VAL:CA	1	0.17
(1,82)	1:A:158:VAL:CB	1:A:158:VAL:CA	2	0.17
(1,82)	1:A:160:VAL:CB	1:A:160:VAL:CA	2	0.17
(1,82)	1:A:160:VAL:CB	1:A:161:VAL:CA	2	0.17
(1,82)	1:A:161:VAL:CB	1:A:160:VAL:CA	2	0.17
(1,82)	1:A:161:VAL:CB	1:A:161:VAL:CA	2	0.17
(1,82)	1:A:49:VAL:CB	1:A:49:VAL:CA	2	0.17
(1,82)	1:A:54:VAL:CB	1:A:54:VAL:CA	2	0.17
(1,82)	1:A:85:VAL:CB	1:A:85:VAL:CA	2	0.17
(1,82)	1:A:155:ILE:CG1	1:A:155:ILE:CA	2	0.17
(1,82)	1:A:156:VAL:CB	1:A:155:ILE:CA	2	0.17
(1,82)	1:A:156:VAL:CB	1:A:156:VAL:CA	2	0.17
(1,82)	1:A:158:VAL:CB	1:A:158:VAL:CA	3	0.17
(1,82)	1:A:160:VAL:CB	1:A:160:VAL:CA	3	0.17
(1,82)	1:A:160:VAL:CB	1:A:161:VAL:CA	3	0.17
(1,82)	1:A:161:VAL:CB	1:A:160:VAL:CA	3	0.17
(1,82)	1:A:161:VAL:CB	1:A:161:VAL:CA	3	0.17
(1,82)	1:A:49:VAL:CB	1:A:49:VAL:CA	3	0.17
(1,82)	1:A:54:VAL:CB	1:A:54:VAL:CA	3	0.17
(1,82)	1:A:85:VAL:CB	1:A:85:VAL:CA	3	0.17
(1,82)	1:A:155:ILE:CG1	1:A:155:ILE:CA	3	0.17
(1,82)	1:A:156:VAL:CB	1:A:155:ILE:CA	3	0.17
(1,82)	1:A:156:VAL:CB	1:A:156:VAL:CA	3	0.17
(1,82)	1:A:158:VAL:CB	1:A:158:VAL:CA	4	0.17
(1,82)	1:A:160:VAL:CB	1:A:160:VAL:CA	4	0.17
(1,82)	1:A:160:VAL:CB	1:A:161:VAL:CA	4	0.17
(1,82)	1:A:161:VAL:CB	1:A:160:VAL:CA	4	0.17
(1,82)	1:A:161:VAL:CB	1:A:161:VAL:CA	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:A:49:VAL:CB	1:A:49:VAL:CA	4	0.17
(1,82)	1:A:54:VAL:CB	1:A:54:VAL:CA	4	0.17
(1,82)	1:A:85:VAL:CB	1:A:85:VAL:CA	4	0.17
(1,82)	1:A:155:ILE:CG1	1:A:155:ILE:CA	4	0.17
(1,82)	1:A:156:VAL:CB	1:A:155:ILE:CA	4	0.17
(1,82)	1:A:156:VAL:CB	1:A:156:VAL:CA	4	0.17
(1,82)	1:A:158:VAL:CB	1:A:158:VAL:CA	5	0.17
(1,82)	1:A:160:VAL:CB	1:A:160:VAL:CA	5	0.17
(1,82)	1:A:160:VAL:CB	1:A:161:VAL:CA	5	0.17
(1,82)	1:A:161:VAL:CB	1:A:160:VAL:CA	5	0.17
(1,82)	1:A:161:VAL:CB	1:A:161:VAL:CA	5	0.17
(1,82)	1:A:49:VAL:CB	1:A:49:VAL:CA	5	0.17
(1,82)	1:A:54:VAL:CB	1:A:54:VAL:CA	5	0.17
(1,82)	1:A:85:VAL:CB	1:A:85:VAL:CA	5	0.17
(1,82)	1:A:155:ILE:CG1	1:A:155:ILE:CA	5	0.17
(1,82)	1:A:156:VAL:CB	1:A:155:ILE:CA	5	0.17
(1,82)	1:A:156:VAL:CB	1:A:156:VAL:CA	5	0.17
(1,82)	1:A:158:VAL:CB	1:A:158:VAL:CA	6	0.17
(1,82)	1:A:160:VAL:CB	1:A:160:VAL:CA	6	0.17
(1,82)	1:A:160:VAL:CB	1:A:161:VAL:CA	6	0.17
(1,82)	1:A:161:VAL:CB	1:A:160:VAL:CA	6	0.17
(1,82)	1:A:161:VAL:CB	1:A:161:VAL:CA	6	0.17
(1,82)	1:A:49:VAL:CB	1:A:49:VAL:CA	6	0.17
(1,82)	1:A:54:VAL:CB	1:A:54:VAL:CA	6	0.17
(1,82)	1:A:85:VAL:CB	1:A:85:VAL:CA	6	0.17
(1,82)	1:A:155:ILE:CG1	1:A:155:ILE:CA	6	0.17
(1,82)	1:A:156:VAL:CB	1:A:155:ILE:CA	6	0.17
(1,82)	1:A:156:VAL:CB	1:A:156:VAL:CA	6	0.17
(1,82)	1:A:158:VAL:CB	1:A:158:VAL:CA	7	0.17
(1,82)	1:A:160:VAL:CB	1:A:160:VAL:CA	7	0.17
(1,82)	1:A:160:VAL:CB	1:A:161:VAL:CA	7	0.17
(1,82)	1:A:161:VAL:CB	1:A:160:VAL:CA	7	0.17
(1,82)	1:A:161:VAL:CB	1:A:161:VAL:CA	7	0.17
(1,82)	1:A:49:VAL:CB	1:A:49:VAL:CA	7	0.17
(1,82)	1:A:54:VAL:CB	1:A:54:VAL:CA	7	0.17
(1,82)	1:A:85:VAL:CB	1:A:85:VAL:CA	7	0.17
(1,82)	1:A:155:ILE:CG1	1:A:155:ILE:CA	7	0.17
(1,82)	1:A:156:VAL:CB	1:A:155:ILE:CA	7	0.17
(1,82)	1:A:156:VAL:CB	1:A:156:VAL:CA	7	0.17
(1,82)	1:A:158:VAL:CB	1:A:158:VAL:CA	8	0.17
(1,82)	1:A:160:VAL:CB	1:A:160:VAL:CA	8	0.17
(1,82)	1:A:160:VAL:CB	1:A:161:VAL:CA	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:A:161:VAL:CB	1:A:160:VAL:CA	8	0.17
(1,82)	1:A:161:VAL:CB	1:A:161:VAL:CA	8	0.17
(1,82)	1:A:49:VAL:CB	1:A:49:VAL:CA	8	0.17
(1,82)	1:A:54:VAL:CB	1:A:54:VAL:CA	8	0.17
(1,82)	1:A:85:VAL:CB	1:A:85:VAL:CA	8	0.17
(1,82)	1:A:155:ILE:CG1	1:A:155:ILE:CA	8	0.17
(1,82)	1:A:156:VAL:CB	1:A:155:ILE:CA	8	0.17
(1,82)	1:A:156:VAL:CB	1:A:156:VAL:CA	8	0.17
(1,82)	1:A:158:VAL:CB	1:A:158:VAL:CA	9	0.17
(1,82)	1:A:160:VAL:CB	1:A:160:VAL:CA	9	0.17
(1,82)	1:A:160:VAL:CB	1:A:161:VAL:CA	9	0.17
(1,82)	1:A:161:VAL:CB	1:A:160:VAL:CA	9	0.17
(1,82)	1:A:161:VAL:CB	1:A:161:VAL:CA	9	0.17
(1,82)	1:A:49:VAL:CB	1:A:49:VAL:CA	9	0.17
(1,82)	1:A:54:VAL:CB	1:A:54:VAL:CA	9	0.17
(1,82)	1:A:85:VAL:CB	1:A:85:VAL:CA	9	0.17
(1,82)	1:A:155:ILE:CG1	1:A:155:ILE:CA	9	0.17
(1,82)	1:A:156:VAL:CB	1:A:155:ILE:CA	9	0.17
(1,82)	1:A:156:VAL:CB	1:A:156:VAL:CA	9	0.17
(1,82)	1:A:158:VAL:CB	1:A:158:VAL:CA	10	0.17
(1,82)	1:A:160:VAL:CB	1:A:160:VAL:CA	10	0.17
(1,82)	1:A:160:VAL:CB	1:A:161:VAL:CA	10	0.17
(1,82)	1:A:161:VAL:CB	1:A:160:VAL:CA	10	0.17
(1,82)	1:A:161:VAL:CB	1:A:161:VAL:CA	10	0.17
(1,82)	1:A:49:VAL:CB	1:A:49:VAL:CA	10	0.17
(1,82)	1:A:54:VAL:CB	1:A:54:VAL:CA	10	0.17
(1,82)	1:A:85:VAL:CB	1:A:85:VAL:CA	10	0.17
(1,82)	1:A:155:ILE:CG1	1:A:155:ILE:CA	10	0.17
(1,82)	1:A:156:VAL:CB	1:A:155:ILE:CA	10	0.17
(1,82)	1:A:156:VAL:CB	1:A:156:VAL:CA	10	0.17
(1,749)	1:D:158:VAL:CB	1:D:158:VAL:CA	1	0.17
(1,749)	1:D:160:VAL:CB	1:D:160:VAL:CA	1	0.17
(1,749)	1:D:160:VAL:CB	1:D:161:VAL:CA	1	0.17
(1,749)	1:D:161:VAL:CB	1:D:160:VAL:CA	1	0.17
(1,749)	1:D:161:VAL:CB	1:D:161:VAL:CA	1	0.17
(1,749)	1:D:49:VAL:CB	1:D:49:VAL:CA	1	0.17
(1,749)	1:D:54:VAL:CB	1:D:54:VAL:CA	1	0.17
(1,749)	1:D:85:VAL:CB	1:D:85:VAL:CA	1	0.17
(1,749)	1:D:155:ILE:CG1	1:D:155:ILE:CA	1	0.17
(1,749)	1:D:156:VAL:CB	1:D:155:ILE:CA	1	0.17
(1,749)	1:D:156:VAL:CB	1:D:156:VAL:CA	1	0.17
(1,749)	1:D:158:VAL:CB	1:D:158:VAL:CA	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,749)	1:D:160:VAL:CB	1:D:160:VAL:CA	2	0.17
(1,749)	1:D:160:VAL:CB	1:D:161:VAL:CA	2	0.17
(1,749)	1:D:161:VAL:CB	1:D:160:VAL:CA	2	0.17
(1,749)	1:D:161:VAL:CB	1:D:161:VAL:CA	2	0.17
(1,749)	1:D:49:VAL:CB	1:D:49:VAL:CA	2	0.17
(1,749)	1:D:54:VAL:CB	1:D:54:VAL:CA	2	0.17
(1,749)	1:D:85:VAL:CB	1:D:85:VAL:CA	2	0.17
(1,749)	1:D:155:ILE:CG1	1:D:155:ILE:CA	2	0.17
(1,749)	1:D:156:VAL:CB	1:D:155:ILE:CA	2	0.17
(1,749)	1:D:156:VAL:CB	1:D:156:VAL:CA	2	0.17
(1,749)	1:D:158:VAL:CB	1:D:158:VAL:CA	3	0.17
(1,749)	1:D:160:VAL:CB	1:D:160:VAL:CA	3	0.17
(1,749)	1:D:160:VAL:CB	1:D:161:VAL:CA	3	0.17
(1,749)	1:D:161:VAL:CB	1:D:160:VAL:CA	3	0.17
(1,749)	1:D:161:VAL:CB	1:D:161:VAL:CA	3	0.17
(1,749)	1:D:49:VAL:CB	1:D:49:VAL:CA	3	0.17
(1,749)	1:D:54:VAL:CB	1:D:54:VAL:CA	3	0.17
(1,749)	1:D:85:VAL:CB	1:D:85:VAL:CA	3	0.17
(1,749)	1:D:155:ILE:CG1	1:D:155:ILE:CA	3	0.17
(1,749)	1:D:156:VAL:CB	1:D:155:ILE:CA	3	0.17
(1,749)	1:D:156:VAL:CB	1:D:156:VAL:CA	3	0.17
(1,749)	1:D:158:VAL:CB	1:D:158:VAL:CA	4	0.17
(1,749)	1:D:160:VAL:CB	1:D:160:VAL:CA	4	0.17
(1,749)	1:D:160:VAL:CB	1:D:161:VAL:CA	4	0.17
(1,749)	1:D:161:VAL:CB	1:D:160:VAL:CA	4	0.17
(1,749)	1:D:161:VAL:CB	1:D:161:VAL:CA	4	0.17
(1,749)	1:D:49:VAL:CB	1:D:49:VAL:CA	4	0.17
(1,749)	1:D:54:VAL:CB	1:D:54:VAL:CA	4	0.17
(1,749)	1:D:85:VAL:CB	1:D:85:VAL:CA	4	0.17
(1,749)	1:D:155:ILE:CG1	1:D:155:ILE:CA	4	0.17
(1,749)	1:D:156:VAL:CB	1:D:155:ILE:CA	4	0.17
(1,749)	1:D:156:VAL:CB	1:D:156:VAL:CA	4	0.17
(1,749)	1:D:158:VAL:CB	1:D:158:VAL:CA	5	0.17
(1,749)	1:D:160:VAL:CB	1:D:160:VAL:CA	5	0.17
(1,749)	1:D:160:VAL:CB	1:D:161:VAL:CA	5	0.17
(1,749)	1:D:161:VAL:CB	1:D:160:VAL:CA	5	0.17
(1,749)	1:D:161:VAL:CB	1:D:161:VAL:CA	5	0.17
(1,749)	1:D:49:VAL:CB	1:D:49:VAL:CA	5	0.17
(1,749)	1:D:54:VAL:CB	1:D:54:VAL:CA	5	0.17
(1,749)	1:D:85:VAL:CB	1:D:85:VAL:CA	5	0.17
(1,749)	1:D:155:ILE:CG1	1:D:155:ILE:CA	5	0.17
(1,749)	1:D:156:VAL:CB	1:D:155:ILE:CA	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,749)	1:D:156:VAL:CB	1:D:156:VAL:CA	5	0.17
(1,749)	1:D:158:VAL:CB	1:D:158:VAL:CA	6	0.17
(1,749)	1:D:160:VAL:CB	1:D:160:VAL:CA	6	0.17
(1,749)	1:D:160:VAL:CB	1:D:161:VAL:CA	6	0.17
(1,749)	1:D:161:VAL:CB	1:D:160:VAL:CA	6	0.17
(1,749)	1:D:161:VAL:CB	1:D:161:VAL:CA	6	0.17
(1,749)	1:D:49:VAL:CB	1:D:49:VAL:CA	6	0.17
(1,749)	1:D:54:VAL:CB	1:D:54:VAL:CA	6	0.17
(1,749)	1:D:85:VAL:CB	1:D:85:VAL:CA	6	0.17
(1,749)	1:D:155:ILE:CG1	1:D:155:ILE:CA	6	0.17
(1,749)	1:D:156:VAL:CB	1:D:155:ILE:CA	6	0.17
(1,749)	1:D:156:VAL:CB	1:D:156:VAL:CA	6	0.17
(1,749)	1:D:158:VAL:CB	1:D:158:VAL:CA	7	0.17
(1,749)	1:D:160:VAL:CB	1:D:160:VAL:CA	7	0.17
(1,749)	1:D:160:VAL:CB	1:D:161:VAL:CA	7	0.17
(1,749)	1:D:161:VAL:CB	1:D:160:VAL:CA	7	0.17
(1,749)	1:D:161:VAL:CB	1:D:161:VAL:CA	7	0.17
(1,749)	1:D:49:VAL:CB	1:D:49:VAL:CA	7	0.17
(1,749)	1:D:54:VAL:CB	1:D:54:VAL:CA	7	0.17
(1,749)	1:D:85:VAL:CB	1:D:85:VAL:CA	7	0.17
(1,749)	1:D:155:ILE:CG1	1:D:155:ILE:CA	7	0.17
(1,749)	1:D:156:VAL:CB	1:D:155:ILE:CA	7	0.17
(1,749)	1:D:156:VAL:CB	1:D:156:VAL:CA	7	0.17
(1,749)	1:D:158:VAL:CB	1:D:158:VAL:CA	8	0.17
(1,749)	1:D:160:VAL:CB	1:D:160:VAL:CA	8	0.17
(1,749)	1:D:160:VAL:CB	1:D:161:VAL:CA	8	0.17
(1,749)	1:D:161:VAL:CB	1:D:160:VAL:CA	8	0.17
(1,749)	1:D:161:VAL:CB	1:D:161:VAL:CA	8	0.17
(1,749)	1:D:49:VAL:CB	1:D:49:VAL:CA	8	0.17
(1,749)	1:D:54:VAL:CB	1:D:54:VAL:CA	8	0.17
(1,749)	1:D:85:VAL:CB	1:D:85:VAL:CA	8	0.17
(1,749)	1:D:155:ILE:CG1	1:D:155:ILE:CA	8	0.17
(1,749)	1:D:156:VAL:CB	1:D:155:ILE:CA	8	0.17
(1,749)	1:D:156:VAL:CB	1:D:156:VAL:CA	8	0.17
(1,749)	1:D:158:VAL:CB	1:D:158:VAL:CA	9	0.17
(1,749)	1:D:160:VAL:CB	1:D:160:VAL:CA	9	0.17
(1,749)	1:D:160:VAL:CB	1:D:161:VAL:CA	9	0.17
(1,749)	1:D:161:VAL:CB	1:D:160:VAL:CA	9	0.17
(1,749)	1:D:161:VAL:CB	1:D:161:VAL:CA	9	0.17
(1,749)	1:D:49:VAL:CB	1:D:49:VAL:CA	9	0.17
(1,749)	1:D:54:VAL:CB	1:D:54:VAL:CA	9	0.17
(1,749)	1:D:85:VAL:CB	1:D:85:VAL:CA	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,749)	1:D:155:ILE:CG1	1:D:155:ILE:CA	9	0.17
(1,749)	1:D:156:VAL:CB	1:D:155:ILE:CA	9	0.17
(1,749)	1:D:156:VAL:CB	1:D:156:VAL:CA	9	0.17
(1,749)	1:D:158:VAL:CB	1:D:158:VAL:CA	10	0.17
(1,749)	1:D:160:VAL:CB	1:D:160:VAL:CA	10	0.17
(1,749)	1:D:160:VAL:CB	1:D:161:VAL:CA	10	0.17
(1,749)	1:D:161:VAL:CB	1:D:160:VAL:CA	10	0.17
(1,749)	1:D:161:VAL:CB	1:D:161:VAL:CA	10	0.17
(1,749)	1:D:49:VAL:CB	1:D:49:VAL:CA	10	0.17
(1,749)	1:D:54:VAL:CB	1:D:54:VAL:CA	10	0.17
(1,749)	1:D:85:VAL:CB	1:D:85:VAL:CA	10	0.17
(1,749)	1:D:155:ILE:CG1	1:D:155:ILE:CA	10	0.17
(1,749)	1:D:156:VAL:CB	1:D:155:ILE:CA	10	0.17
(1,749)	1:D:156:VAL:CB	1:D:156:VAL:CA	10	0.17
(1,721)	1:D:104:CYS:CB	1:D:104:CYS:CA	1	0.17
(1,721)	1:D:25:LEU:CB	1:D:24:ALA:CA	1	0.17
(1,721)	1:D:104:CYS:CB	1:D:104:CYS:CA	4	0.17
(1,721)	1:D:25:LEU:CB	1:D:24:ALA:CA	4	0.17
(1,721)	1:D:104:CYS:CB	1:D:104:CYS:CA	5	0.17
(1,721)	1:D:25:LEU:CB	1:D:24:ALA:CA	5	0.17
(1,721)	1:D:104:CYS:CB	1:D:104:CYS:CA	6	0.17
(1,721)	1:D:25:LEU:CB	1:D:24:ALA:CA	6	0.17
(1,721)	1:D:104:CYS:CB	1:D:104:CYS:CA	7	0.17
(1,721)	1:D:25:LEU:CB	1:D:24:ALA:CA	7	0.17
(1,721)	1:D:104:CYS:CB	1:D:104:CYS:CA	8	0.17
(1,721)	1:D:25:LEU:CB	1:D:24:ALA:CA	8	0.17
(1,721)	1:D:104:CYS:CB	1:D:104:CYS:CA	9	0.17
(1,721)	1:D:25:LEU:CB	1:D:24:ALA:CA	9	0.17
(1,721)	1:D:104:CYS:CB	1:D:104:CYS:CA	10	0.17
(1,721)	1:D:25:LEU:CB	1:D:24:ALA:CA	10	0.17
(1,719)	1:D:104:CYS:CB	1:D:104:CYS:CA	1	0.17
(1,719)	1:D:104:CYS:CB	1:D:104:CYS:CA	4	0.17
(1,719)	1:D:104:CYS:CB	1:D:104:CYS:CA	5	0.17
(1,719)	1:D:104:CYS:CB	1:D:104:CYS:CA	6	0.17
(1,719)	1:D:104:CYS:CB	1:D:104:CYS:CA	7	0.17
(1,719)	1:D:104:CYS:CB	1:D:104:CYS:CA	8	0.17
(1,719)	1:D:104:CYS:CB	1:D:104:CYS:CA	10	0.17
(1,617)	1:A:104:CYS:CA	1:A:104:CYS:C	1	0.17
(1,617)	1:A:104:CYS:CA	1:A:104:CYS:C	2	0.17
(1,617)	1:A:104:CYS:CA	1:A:104:CYS:C	5	0.17
(1,616)	1:A:104:CYS:CA	1:A:104:CYS:C	1	0.17
(1,616)	1:A:104:CYS:CA	1:A:104:CYS:C	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,616)	1:A:104:CYS:CA	1:A:104:CYS:C	5	0.17
(1,598)	1:A:83:ARG:CA	1:A:84:GLY:C	1	0.17
(1,598)	1:A:74:MET:CA	1:A:74:MET:C	1	0.17
(1,598)	1:A:74:MET:CA	1:A:77:TRP:C	1	0.17
(1,598)	1:A:83:ARG:CA	1:A:84:GLY:C	6	0.17
(1,598)	1:A:74:MET:CA	1:A:74:MET:C	6	0.17
(1,598)	1:A:74:MET:CA	1:A:77:TRP:C	6	0.17
(1,598)	1:A:83:ARG:CA	1:A:84:GLY:C	10	0.17
(1,598)	1:A:74:MET:CA	1:A:74:MET:C	10	0.17
(1,598)	1:A:74:MET:CA	1:A:77:TRP:C	10	0.17
(1,54)	1:A:104:CYS:CB	1:A:104:CYS:CA	1	0.17
(1,54)	1:A:25:LEU:CB	1:A:24:ALA:CA	1	0.17
(1,54)	1:A:104:CYS:CB	1:A:104:CYS:CA	2	0.17
(1,54)	1:A:25:LEU:CB	1:A:24:ALA:CA	2	0.17
(1,54)	1:A:104:CYS:CB	1:A:104:CYS:CA	3	0.17
(1,54)	1:A:25:LEU:CB	1:A:24:ALA:CA	3	0.17
(1,54)	1:A:104:CYS:CB	1:A:104:CYS:CA	4	0.17
(1,54)	1:A:25:LEU:CB	1:A:24:ALA:CA	4	0.17
(1,54)	1:A:104:CYS:CB	1:A:104:CYS:CA	5	0.17
(1,54)	1:A:25:LEU:CB	1:A:24:ALA:CA	5	0.17
(1,54)	1:A:104:CYS:CB	1:A:104:CYS:CA	6	0.17
(1,54)	1:A:25:LEU:CB	1:A:24:ALA:CA	6	0.17
(1,54)	1:A:104:CYS:CB	1:A:104:CYS:CA	7	0.17
(1,54)	1:A:25:LEU:CB	1:A:24:ALA:CA	7	0.17
(1,54)	1:A:104:CYS:CB	1:A:104:CYS:CA	8	0.17
(1,54)	1:A:25:LEU:CB	1:A:24:ALA:CA	8	0.17
(1,52)	1:A:104:CYS:CB	1:A:104:CYS:CA	1	0.17
(1,52)	1:A:104:CYS:CB	1:A:104:CYS:CA	2	0.17
(1,52)	1:A:104:CYS:CB	1:A:104:CYS:CA	3	0.17
(1,52)	1:A:104:CYS:CB	1:A:104:CYS:CA	4	0.17
(1,52)	1:A:104:CYS:CB	1:A:104:CYS:CA	5	0.17
(1,52)	1:A:104:CYS:CB	1:A:104:CYS:CA	6	0.17
(1,52)	1:A:104:CYS:CB	1:A:104:CYS:CA	7	0.17
(1,52)	1:A:104:CYS:CB	1:A:104:CYS:CA	8	0.17
(1,384)	1:A:104:CYS:CA	1:A:104:CYS:CB	1	0.17
(1,384)	1:A:104:CYS:CA	1:A:104:CYS:CB	2	0.17
(1,384)	1:A:104:CYS:CA	1:A:104:CYS:CB	3	0.17
(1,384)	1:A:104:CYS:CA	1:A:104:CYS:CB	4	0.17
(1,384)	1:A:104:CYS:CA	1:A:104:CYS:CB	5	0.17
(1,384)	1:A:104:CYS:CA	1:A:104:CYS:CB	6	0.17
(1,384)	1:A:104:CYS:CA	1:A:104:CYS:CB	7	0.17
(1,384)	1:A:104:CYS:CA	1:A:104:CYS:CB	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,332)	1:A:104:CYS:CA	1:A:104:CYS:C	1	0.17
(1,332)	1:A:104:CYS:CA	1:A:104:CYS:C	2	0.17
(1,332)	1:A:104:CYS:CA	1:A:104:CYS:C	5	0.17
(1,308)	1:A:74:MET:CA	1:A:74:MET:C	1	0.17
(1,308)	1:A:32:PHE:CA	1:A:33:GLN:C	1	0.17
(1,308)	1:A:74:MET:CA	1:A:74:MET:C	2	0.17
(1,308)	1:A:32:PHE:CA	1:A:33:GLN:C	2	0.17
(1,308)	1:A:74:MET:CA	1:A:74:MET:C	6	0.17
(1,308)	1:A:32:PHE:CA	1:A:33:GLN:C	6	0.17
(1,308)	1:A:74:MET:CA	1:A:74:MET:C	10	0.17
(1,308)	1:A:32:PHE:CA	1:A:33:GLN:C	10	0.17
(1,301)	1:A:68:PRO:CA	1:A:68:PRO:C	1	0.17
(1,301)	1:A:68:PRO:CA	1:A:69:LEU:C	1	0.17
(1,301)	1:A:98:PRO:CA	1:A:96:LEU:C	1	0.17
(1,301)	1:A:150:PHE:CA	1:A:146:LEU:C	1	0.17
(1,301)	1:A:150:PHE:CA	1:A:151:ILE:C	1	0.17
(1,301)	1:A:68:PRO:CA	1:A:68:PRO:C	2	0.17
(1,301)	1:A:68:PRO:CA	1:A:69:LEU:C	2	0.17
(1,301)	1:A:98:PRO:CA	1:A:96:LEU:C	2	0.17
(1,301)	1:A:150:PHE:CA	1:A:146:LEU:C	2	0.17
(1,301)	1:A:150:PHE:CA	1:A:151:ILE:C	2	0.17
(1,301)	1:A:68:PRO:CA	1:A:68:PRO:C	3	0.17
(1,301)	1:A:68:PRO:CA	1:A:69:LEU:C	3	0.17
(1,301)	1:A:98:PRO:CA	1:A:96:LEU:C	3	0.17
(1,301)	1:A:150:PHE:CA	1:A:146:LEU:C	3	0.17
(1,301)	1:A:150:PHE:CA	1:A:151:ILE:C	3	0.17
(1,301)	1:A:68:PRO:CA	1:A:68:PRO:C	4	0.17
(1,301)	1:A:68:PRO:CA	1:A:69:LEU:C	4	0.17
(1,301)	1:A:98:PRO:CA	1:A:96:LEU:C	4	0.17
(1,301)	1:A:150:PHE:CA	1:A:146:LEU:C	4	0.17
(1,301)	1:A:150:PHE:CA	1:A:151:ILE:C	4	0.17
(1,301)	1:A:68:PRO:CA	1:A:68:PRO:C	5	0.17
(1,301)	1:A:68:PRO:CA	1:A:69:LEU:C	5	0.17
(1,301)	1:A:98:PRO:CA	1:A:96:LEU:C	5	0.17
(1,301)	1:A:150:PHE:CA	1:A:146:LEU:C	5	0.17
(1,301)	1:A:150:PHE:CA	1:A:151:ILE:C	5	0.17
(1,301)	1:A:68:PRO:CA	1:A:68:PRO:C	6	0.17
(1,301)	1:A:68:PRO:CA	1:A:69:LEU:C	6	0.17
(1,301)	1:A:98:PRO:CA	1:A:96:LEU:C	6	0.17
(1,301)	1:A:150:PHE:CA	1:A:146:LEU:C	6	0.17
(1,301)	1:A:150:PHE:CA	1:A:151:ILE:C	6	0.17
(1,301)	1:A:68:PRO:CA	1:A:68:PRO:C	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:A:68:PRO:CA	1:A:69:LEU:C	7	0.17
(1,301)	1:A:98:PRO:CA	1:A:96:LEU:C	7	0.17
(1,301)	1:A:150:PHE:CA	1:A:146:LEU:C	7	0.17
(1,301)	1:A:150:PHE:CA	1:A:151:ILE:C	7	0.17
(1,301)	1:A:68:PRO:CA	1:A:68:PRO:C	8	0.17
(1,301)	1:A:68:PRO:CA	1:A:69:LEU:C	8	0.17
(1,301)	1:A:98:PRO:CA	1:A:96:LEU:C	8	0.17
(1,301)	1:A:150:PHE:CA	1:A:146:LEU:C	8	0.17
(1,301)	1:A:150:PHE:CA	1:A:151:ILE:C	8	0.17
(1,301)	1:A:68:PRO:CA	1:A:68:PRO:C	10	0.17
(1,301)	1:A:68:PRO:CA	1:A:69:LEU:C	10	0.17
(1,301)	1:A:98:PRO:CA	1:A:96:LEU:C	10	0.17
(1,301)	1:A:150:PHE:CA	1:A:146:LEU:C	10	0.17
(1,301)	1:A:150:PHE:CA	1:A:151:ILE:C	10	0.17
(1,296)	1:A:68:PRO:CA	1:A:68:PRO:C	1	0.17
(1,296)	1:A:98:PRO:CA	1:A:96:LEU:C	1	0.17
(1,296)	1:A:68:PRO:CA	1:A:69:LEU:C	1	0.17
(1,296)	1:A:115:PRO:CA	1:A:117:ASP:C	1	0.17
(1,296)	1:A:150:PHE:CA	1:A:146:LEU:C	1	0.17
(1,296)	1:A:150:PHE:CA	1:A:151:ILE:C	1	0.17
(1,296)	1:A:35:VAL:CA	1:A:33:GLN:C	1	0.17
(1,296)	1:A:68:PRO:CA	1:A:68:PRO:C	2	0.17
(1,296)	1:A:98:PRO:CA	1:A:96:LEU:C	2	0.17
(1,296)	1:A:68:PRO:CA	1:A:69:LEU:C	2	0.17
(1,296)	1:A:115:PRO:CA	1:A:117:ASP:C	2	0.17
(1,296)	1:A:150:PHE:CA	1:A:146:LEU:C	2	0.17
(1,296)	1:A:150:PHE:CA	1:A:151:ILE:C	2	0.17
(1,296)	1:A:35:VAL:CA	1:A:33:GLN:C	2	0.17
(1,296)	1:A:68:PRO:CA	1:A:68:PRO:C	3	0.17
(1,296)	1:A:98:PRO:CA	1:A:96:LEU:C	3	0.17
(1,296)	1:A:68:PRO:CA	1:A:69:LEU:C	3	0.17
(1,296)	1:A:115:PRO:CA	1:A:117:ASP:C	3	0.17
(1,296)	1:A:150:PHE:CA	1:A:146:LEU:C	3	0.17
(1,296)	1:A:150:PHE:CA	1:A:151:ILE:C	3	0.17
(1,296)	1:A:35:VAL:CA	1:A:33:GLN:C	3	0.17
(1,296)	1:A:68:PRO:CA	1:A:68:PRO:C	4	0.17
(1,296)	1:A:98:PRO:CA	1:A:96:LEU:C	4	0.17
(1,296)	1:A:68:PRO:CA	1:A:69:LEU:C	4	0.17
(1,296)	1:A:115:PRO:CA	1:A:117:ASP:C	4	0.17
(1,296)	1:A:150:PHE:CA	1:A:146:LEU:C	4	0.17
(1,296)	1:A:150:PHE:CA	1:A:151:ILE:C	4	0.17
(1,296)	1:A:35:VAL:CA	1:A:33:GLN:C	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,296)	1:A:68:PRO:CA	1:A:68:PRO:C	5	0.17
(1,296)	1:A:98:PRO:CA	1:A:96:LEU:C	5	0.17
(1,296)	1:A:68:PRO:CA	1:A:69:LEU:C	5	0.17
(1,296)	1:A:115:PRO:CA	1:A:117:ASP:C	5	0.17
(1,296)	1:A:150:PHE:CA	1:A:146:LEU:C	5	0.17
(1,296)	1:A:150:PHE:CA	1:A:151:ILE:C	5	0.17
(1,296)	1:A:35:VAL:CA	1:A:33:GLN:C	5	0.17
(1,296)	1:A:68:PRO:CA	1:A:68:PRO:C	6	0.17
(1,296)	1:A:98:PRO:CA	1:A:96:LEU:C	6	0.17
(1,296)	1:A:68:PRO:CA	1:A:69:LEU:C	6	0.17
(1,296)	1:A:115:PRO:CA	1:A:117:ASP:C	6	0.17
(1,296)	1:A:150:PHE:CA	1:A:146:LEU:C	6	0.17
(1,296)	1:A:150:PHE:CA	1:A:151:ILE:C	6	0.17
(1,296)	1:A:35:VAL:CA	1:A:33:GLN:C	6	0.17
(1,296)	1:A:68:PRO:CA	1:A:68:PRO:C	7	0.17
(1,296)	1:A:98:PRO:CA	1:A:96:LEU:C	7	0.17
(1,296)	1:A:68:PRO:CA	1:A:69:LEU:C	7	0.17
(1,296)	1:A:115:PRO:CA	1:A:117:ASP:C	7	0.17
(1,296)	1:A:150:PHE:CA	1:A:146:LEU:C	7	0.17
(1,296)	1:A:150:PHE:CA	1:A:151:ILE:C	7	0.17
(1,296)	1:A:35:VAL:CA	1:A:33:GLN:C	7	0.17
(1,296)	1:A:68:PRO:CA	1:A:68:PRO:C	8	0.17
(1,296)	1:A:98:PRO:CA	1:A:96:LEU:C	8	0.17
(1,296)	1:A:68:PRO:CA	1:A:69:LEU:C	8	0.17
(1,296)	1:A:115:PRO:CA	1:A:117:ASP:C	8	0.17
(1,296)	1:A:150:PHE:CA	1:A:146:LEU:C	8	0.17
(1,296)	1:A:150:PHE:CA	1:A:151:ILE:C	8	0.17
(1,296)	1:A:35:VAL:CA	1:A:33:GLN:C	8	0.17
(1,296)	1:A:68:PRO:CA	1:A:68:PRO:C	10	0.17
(1,296)	1:A:98:PRO:CA	1:A:96:LEU:C	10	0.17
(1,296)	1:A:68:PRO:CA	1:A:69:LEU:C	10	0.17
(1,296)	1:A:115:PRO:CA	1:A:117:ASP:C	10	0.17
(1,296)	1:A:150:PHE:CA	1:A:146:LEU:C	10	0.17
(1,296)	1:A:150:PHE:CA	1:A:151:ILE:C	10	0.17
(1,296)	1:A:35:VAL:CA	1:A:33:GLN:C	10	0.17
(1,1284)	1:D:104:CYS:CA	1:D:104:CYS:C	1	0.17
(1,1284)	1:D:104:CYS:CA	1:D:104:CYS:C	2	0.17
(1,1284)	1:D:104:CYS:CA	1:D:104:CYS:C	3	0.17
(1,1284)	1:D:104:CYS:CA	1:D:104:CYS:C	4	0.17
(1,1284)	1:D:104:CYS:CA	1:D:104:CYS:C	5	0.17
(1,1284)	1:D:104:CYS:CA	1:D:104:CYS:C	6	0.17
(1,1284)	1:D:104:CYS:CA	1:D:104:CYS:C	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1284)	1:D:104:CYS:CA	1:D:104:CYS:C	8	0.17
(1,1284)	1:D:104:CYS:CA	1:D:104:CYS:C	9	0.17
(1,1284)	1:D:104:CYS:CA	1:D:104:CYS:C	10	0.17
(1,1283)	1:D:104:CYS:CA	1:D:104:CYS:C	1	0.17
(1,1283)	1:D:104:CYS:CA	1:D:104:CYS:C	2	0.17
(1,1283)	1:D:104:CYS:CA	1:D:104:CYS:C	3	0.17
(1,1283)	1:D:104:CYS:CA	1:D:104:CYS:C	4	0.17
(1,1283)	1:D:104:CYS:CA	1:D:104:CYS:C	5	0.17
(1,1283)	1:D:104:CYS:CA	1:D:104:CYS:C	6	0.17
(1,1283)	1:D:104:CYS:CA	1:D:104:CYS:C	7	0.17
(1,1283)	1:D:104:CYS:CA	1:D:104:CYS:C	8	0.17
(1,1283)	1:D:104:CYS:CA	1:D:104:CYS:C	9	0.17
(1,1283)	1:D:104:CYS:CA	1:D:104:CYS:C	10	0.17
(1,1051)	1:D:104:CYS:CA	1:D:104:CYS:CB	1	0.17
(1,1051)	1:D:104:CYS:CA	1:D:104:CYS:CB	4	0.17
(1,1051)	1:D:104:CYS:CA	1:D:104:CYS:CB	5	0.17
(1,1051)	1:D:104:CYS:CA	1:D:104:CYS:CB	6	0.17
(1,1051)	1:D:104:CYS:CA	1:D:104:CYS:CB	7	0.17
(1,1051)	1:D:104:CYS:CA	1:D:104:CYS:CB	8	0.17
(1,1051)	1:D:104:CYS:CA	1:D:104:CYS:CB	10	0.17
(1,721)	1:D:104:CYS:CB	1:D:104:CYS:CA	2	0.16
(1,721)	1:D:25:LEU:CB	1:D:24:ALA:CA	2	0.16
(1,719)	1:D:104:CYS:CB	1:D:104:CYS:CA	2	0.16
(1,719)	1:D:104:CYS:CB	1:D:104:CYS:CA	9	0.16
(1,1051)	1:D:104:CYS:CA	1:D:104:CYS:CB	2	0.16
(1,1051)	1:D:104:CYS:CA	1:D:104:CYS:CB	9	0.16
(1,766)	1:D:68:PRO:CB	1:D:70:ARG:CA	9	0.15
(1,604)	1:A:103:THR:CA	1:A:103:THR:C	1	0.15
(1,604)	1:A:26:GLU:CA	1:A:28:THR:C	1	0.15
(1,604)	1:A:103:THR:CA	1:A:103:THR:C	2	0.15
(1,604)	1:A:26:GLU:CA	1:A:28:THR:C	2	0.15
(1,604)	1:A:103:THR:CA	1:A:103:THR:C	4	0.15
(1,604)	1:A:26:GLU:CA	1:A:28:THR:C	4	0.15
(1,604)	1:A:103:THR:CA	1:A:103:THR:C	5	0.15
(1,604)	1:A:26:GLU:CA	1:A:28:THR:C	5	0.15
(1,604)	1:A:103:THR:CA	1:A:103:THR:C	6	0.15
(1,604)	1:A:26:GLU:CA	1:A:28:THR:C	6	0.15
(1,604)	1:A:103:THR:CA	1:A:103:THR:C	7	0.15
(1,604)	1:A:26:GLU:CA	1:A:28:THR:C	7	0.15
(1,604)	1:A:103:THR:CA	1:A:103:THR:C	8	0.15
(1,604)	1:A:26:GLU:CA	1:A:28:THR:C	8	0.15
(1,604)	1:A:103:THR:CA	1:A:103:THR:C	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,604)	1:A:26:GLU:CA	1:A:28:THR:C	9	0.15
(1,604)	1:A:103:THR:CA	1:A:103:THR:C	10	0.15
(1,604)	1:A:26:GLU:CA	1:A:28:THR:C	10	0.15
(1,603)	1:A:103:THR:CA	1:A:103:THR:C	1	0.15
(1,603)	1:A:26:GLU:CA	1:A:28:THR:C	1	0.15
(1,603)	1:A:103:THR:CA	1:A:103:THR:C	2	0.15
(1,603)	1:A:26:GLU:CA	1:A:28:THR:C	2	0.15
(1,603)	1:A:103:THR:CA	1:A:103:THR:C	4	0.15
(1,603)	1:A:26:GLU:CA	1:A:28:THR:C	4	0.15
(1,603)	1:A:103:THR:CA	1:A:103:THR:C	5	0.15
(1,603)	1:A:26:GLU:CA	1:A:28:THR:C	5	0.15
(1,603)	1:A:103:THR:CA	1:A:103:THR:C	6	0.15
(1,603)	1:A:26:GLU:CA	1:A:28:THR:C	6	0.15
(1,603)	1:A:103:THR:CA	1:A:103:THR:C	7	0.15
(1,603)	1:A:26:GLU:CA	1:A:28:THR:C	7	0.15
(1,603)	1:A:103:THR:CA	1:A:103:THR:C	8	0.15
(1,603)	1:A:26:GLU:CA	1:A:28:THR:C	8	0.15
(1,603)	1:A:103:THR:CA	1:A:103:THR:C	9	0.15
(1,603)	1:A:26:GLU:CA	1:A:28:THR:C	9	0.15
(1,603)	1:A:103:THR:CA	1:A:103:THR:C	10	0.15
(1,603)	1:A:26:GLU:CA	1:A:28:THR:C	10	0.15
(1,538)	1:A:68:PRO:CB	1:A:70:ARG:C	6	0.15
(1,433)	1:A:22:ALA:CA	1:A:26:GLU:CA	7	0.15
(1,317)	1:A:145:TRP:CA	1:A:146:LEU:C	1	0.15
(1,317)	1:A:103:THR:CA	1:A:103:THR:C	1	0.15
(1,317)	1:A:145:TRP:CA	1:A:146:LEU:C	2	0.15
(1,317)	1:A:103:THR:CA	1:A:103:THR:C	2	0.15
(1,317)	1:A:145:TRP:CA	1:A:146:LEU:C	4	0.15
(1,317)	1:A:103:THR:CA	1:A:103:THR:C	4	0.15
(1,317)	1:A:145:TRP:CA	1:A:146:LEU:C	5	0.15
(1,317)	1:A:103:THR:CA	1:A:103:THR:C	5	0.15
(1,317)	1:A:145:TRP:CA	1:A:146:LEU:C	6	0.15
(1,317)	1:A:103:THR:CA	1:A:103:THR:C	6	0.15
(1,317)	1:A:145:TRP:CA	1:A:146:LEU:C	7	0.15
(1,317)	1:A:103:THR:CA	1:A:103:THR:C	7	0.15
(1,317)	1:A:145:TRP:CA	1:A:146:LEU:C	8	0.15
(1,317)	1:A:103:THR:CA	1:A:103:THR:C	8	0.15
(1,317)	1:A:145:TRP:CA	1:A:146:LEU:C	9	0.15
(1,317)	1:A:103:THR:CA	1:A:103:THR:C	9	0.15
(1,317)	1:A:145:TRP:CA	1:A:146:LEU:C	10	0.15
(1,317)	1:A:103:THR:CA	1:A:103:THR:C	10	0.15
(1,316)	1:A:40:PRO:CA	1:A:38:LEU:C	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,316)	1:A:103:THR:CA	1:A:103:THR:C	1	0.15
(1,316)	1:A:40:PRO:CA	1:A:38:LEU:C	2	0.15
(1,316)	1:A:103:THR:CA	1:A:103:THR:C	2	0.15
(1,316)	1:A:40:PRO:CA	1:A:38:LEU:C	4	0.15
(1,316)	1:A:103:THR:CA	1:A:103:THR:C	4	0.15
(1,316)	1:A:40:PRO:CA	1:A:38:LEU:C	5	0.15
(1,316)	1:A:103:THR:CA	1:A:103:THR:C	5	0.15
(1,316)	1:A:40:PRO:CA	1:A:38:LEU:C	6	0.15
(1,316)	1:A:103:THR:CA	1:A:103:THR:C	6	0.15
(1,316)	1:A:40:PRO:CA	1:A:38:LEU:C	7	0.15
(1,316)	1:A:103:THR:CA	1:A:103:THR:C	7	0.15
(1,316)	1:A:40:PRO:CA	1:A:38:LEU:C	8	0.15
(1,316)	1:A:103:THR:CA	1:A:103:THR:C	8	0.15
(1,316)	1:A:40:PRO:CA	1:A:38:LEU:C	9	0.15
(1,316)	1:A:103:THR:CA	1:A:103:THR:C	9	0.15
(1,316)	1:A:40:PRO:CA	1:A:38:LEU:C	10	0.15
(1,316)	1:A:103:THR:CA	1:A:103:THR:C	10	0.15
(1,315)	1:A:67:THR:CA	1:A:68:PRO:C	1	0.15
(1,315)	1:A:103:THR:CA	1:A:103:THR:C	1	0.15
(1,315)	1:A:40:PRO:CA	1:A:38:LEU:C	1	0.15
(1,315)	1:A:67:THR:CA	1:A:68:PRO:C	2	0.15
(1,315)	1:A:103:THR:CA	1:A:103:THR:C	2	0.15
(1,315)	1:A:40:PRO:CA	1:A:38:LEU:C	2	0.15
(1,315)	1:A:67:THR:CA	1:A:68:PRO:C	4	0.15
(1,315)	1:A:103:THR:CA	1:A:103:THR:C	4	0.15
(1,315)	1:A:40:PRO:CA	1:A:38:LEU:C	4	0.15
(1,315)	1:A:67:THR:CA	1:A:68:PRO:C	5	0.15
(1,315)	1:A:103:THR:CA	1:A:103:THR:C	5	0.15
(1,315)	1:A:40:PRO:CA	1:A:38:LEU:C	5	0.15
(1,315)	1:A:67:THR:CA	1:A:68:PRO:C	6	0.15
(1,315)	1:A:103:THR:CA	1:A:103:THR:C	6	0.15
(1,315)	1:A:40:PRO:CA	1:A:38:LEU:C	6	0.15
(1,315)	1:A:67:THR:CA	1:A:68:PRO:C	7	0.15
(1,315)	1:A:103:THR:CA	1:A:103:THR:C	7	0.15
(1,315)	1:A:40:PRO:CA	1:A:38:LEU:C	7	0.15
(1,315)	1:A:67:THR:CA	1:A:68:PRO:C	8	0.15
(1,315)	1:A:103:THR:CA	1:A:103:THR:C	8	0.15
(1,315)	1:A:40:PRO:CA	1:A:38:LEU:C	8	0.15
(1,315)	1:A:67:THR:CA	1:A:68:PRO:C	9	0.15
(1,315)	1:A:103:THR:CA	1:A:103:THR:C	9	0.15
(1,315)	1:A:40:PRO:CA	1:A:38:LEU:C	9	0.15
(1,315)	1:A:67:THR:CA	1:A:68:PRO:C	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,315)	1:A:103:THR:CA	1:A:103:THR:C	10	0.15
(1,315)	1:A:40:PRO:CA	1:A:38:LEU:C	10	0.15
(1,984)	1:D:145:TRP:CA	1:D:146:LEU:C	8	0.14
(1,984)	1:D:103:THR:CA	1:D:103:THR:C	8	0.14
(1,983)	1:D:40:PRO:CA	1:D:38:LEU:C	8	0.14
(1,983)	1:D:103:THR:CA	1:D:103:THR:C	8	0.14
(1,982)	1:D:67:THR:CA	1:D:68:PRO:C	8	0.14
(1,982)	1:D:103:THR:CA	1:D:103:THR:C	8	0.14
(1,982)	1:D:40:PRO:CA	1:D:38:LEU:C	8	0.14
(1,9)	1:A:100:PRO:CD	1:A:102:ALA:CA	8	0.14
(1,766)	1:D:68:PRO:CB	1:D:70:ARG:CA	8	0.14
(1,687)	1:D:147:LEU:CB	1:D:151:ILE:CA	9	0.14
(1,604)	1:A:103:THR:CA	1:A:103:THR:C	3	0.14
(1,604)	1:A:26:GLU:CA	1:A:28:THR:C	3	0.14
(1,603)	1:A:103:THR:CA	1:A:103:THR:C	3	0.14
(1,603)	1:A:26:GLU:CA	1:A:28:THR:C	3	0.14
(1,317)	1:A:145:TRP:CA	1:A:146:LEU:C	3	0.14
(1,317)	1:A:103:THR:CA	1:A:103:THR:C	3	0.14
(1,316)	1:A:40:PRO:CA	1:A:38:LEU:C	3	0.14
(1,316)	1:A:103:THR:CA	1:A:103:THR:C	3	0.14
(1,315)	1:A:67:THR:CA	1:A:68:PRO:C	3	0.14
(1,315)	1:A:103:THR:CA	1:A:103:THR:C	3	0.14
(1,315)	1:A:40:PRO:CA	1:A:38:LEU:C	3	0.14
(1,1271)	1:D:103:THR:CA	1:D:103:THR:C	8	0.14
(1,1271)	1:D:26:GLU:CA	1:D:28:THR:C	8	0.14
(1,1270)	1:D:103:THR:CA	1:D:103:THR:C	8	0.14
(1,1270)	1:D:26:GLU:CA	1:D:28:THR:C	8	0.14
(1,1100)	1:D:22:ALA:CA	1:D:26:GLU:CA	6	0.14
(1,1043)	1:D:68:PRO:CD	1:D:65:PRO:CD	5	0.14
(1,984)	1:D:145:TRP:CA	1:D:146:LEU:C	1	0.13
(1,984)	1:D:103:THR:CA	1:D:103:THR:C	1	0.13
(1,984)	1:D:145:TRP:CA	1:D:146:LEU:C	2	0.13
(1,984)	1:D:103:THR:CA	1:D:103:THR:C	2	0.13
(1,984)	1:D:145:TRP:CA	1:D:146:LEU:C	4	0.13
(1,984)	1:D:103:THR:CA	1:D:103:THR:C	4	0.13
(1,984)	1:D:145:TRP:CA	1:D:146:LEU:C	5	0.13
(1,984)	1:D:103:THR:CA	1:D:103:THR:C	5	0.13
(1,984)	1:D:145:TRP:CA	1:D:146:LEU:C	6	0.13
(1,984)	1:D:103:THR:CA	1:D:103:THR:C	6	0.13
(1,984)	1:D:145:TRP:CA	1:D:146:LEU:C	7	0.13
(1,984)	1:D:103:THR:CA	1:D:103:THR:C	7	0.13
(1,984)	1:D:145:TRP:CA	1:D:146:LEU:C	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,984)	1:D:103:THR:CA	1:D:103:THR:C	9	0.13
(1,984)	1:D:145:TRP:CA	1:D:146:LEU:C	10	0.13
(1,984)	1:D:103:THR:CA	1:D:103:THR:C	10	0.13
(1,983)	1:D:40:PRO:CA	1:D:38:LEU:C	1	0.13
(1,983)	1:D:103:THR:CA	1:D:103:THR:C	1	0.13
(1,983)	1:D:40:PRO:CA	1:D:38:LEU:C	2	0.13
(1,983)	1:D:103:THR:CA	1:D:103:THR:C	2	0.13
(1,983)	1:D:40:PRO:CA	1:D:38:LEU:C	4	0.13
(1,983)	1:D:103:THR:CA	1:D:103:THR:C	4	0.13
(1,983)	1:D:40:PRO:CA	1:D:38:LEU:C	5	0.13
(1,983)	1:D:103:THR:CA	1:D:103:THR:C	5	0.13
(1,983)	1:D:40:PRO:CA	1:D:38:LEU:C	6	0.13
(1,983)	1:D:103:THR:CA	1:D:103:THR:C	6	0.13
(1,983)	1:D:40:PRO:CA	1:D:38:LEU:C	7	0.13
(1,983)	1:D:103:THR:CA	1:D:103:THR:C	7	0.13
(1,983)	1:D:40:PRO:CA	1:D:38:LEU:C	9	0.13
(1,983)	1:D:103:THR:CA	1:D:103:THR:C	9	0.13
(1,983)	1:D:40:PRO:CA	1:D:38:LEU:C	10	0.13
(1,983)	1:D:103:THR:CA	1:D:103:THR:C	10	0.13
(1,982)	1:D:67:THR:CA	1:D:68:PRO:C	1	0.13
(1,982)	1:D:103:THR:CA	1:D:103:THR:C	1	0.13
(1,982)	1:D:40:PRO:CA	1:D:38:LEU:C	1	0.13
(1,982)	1:D:67:THR:CA	1:D:68:PRO:C	2	0.13
(1,982)	1:D:103:THR:CA	1:D:103:THR:C	2	0.13
(1,982)	1:D:40:PRO:CA	1:D:38:LEU:C	2	0.13
(1,982)	1:D:67:THR:CA	1:D:68:PRO:C	4	0.13
(1,982)	1:D:103:THR:CA	1:D:103:THR:C	4	0.13
(1,982)	1:D:40:PRO:CA	1:D:38:LEU:C	4	0.13
(1,982)	1:D:67:THR:CA	1:D:68:PRO:C	5	0.13
(1,982)	1:D:103:THR:CA	1:D:103:THR:C	5	0.13
(1,982)	1:D:40:PRO:CA	1:D:38:LEU:C	5	0.13
(1,982)	1:D:67:THR:CA	1:D:68:PRO:C	6	0.13
(1,982)	1:D:103:THR:CA	1:D:103:THR:C	6	0.13
(1,982)	1:D:40:PRO:CA	1:D:38:LEU:C	6	0.13
(1,982)	1:D:67:THR:CA	1:D:68:PRO:C	7	0.13
(1,982)	1:D:103:THR:CA	1:D:103:THR:C	7	0.13
(1,982)	1:D:40:PRO:CA	1:D:38:LEU:C	7	0.13
(1,982)	1:D:67:THR:CA	1:D:68:PRO:C	9	0.13
(1,982)	1:D:103:THR:CA	1:D:103:THR:C	9	0.13
(1,982)	1:D:40:PRO:CA	1:D:38:LEU:C	9	0.13
(1,982)	1:D:67:THR:CA	1:D:68:PRO:C	10	0.13
(1,982)	1:D:103:THR:CA	1:D:103:THR:C	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,982)	1:D:40:PRO:CA	1:D:38:LEU:C	10	0.13
(1,1271)	1:D:103:THR:CA	1:D:103:THR:C	1	0.13
(1,1271)	1:D:26:GLU:CA	1:D:28:THR:C	1	0.13
(1,1271)	1:D:103:THR:CA	1:D:103:THR:C	2	0.13
(1,1271)	1:D:26:GLU:CA	1:D:28:THR:C	2	0.13
(1,1271)	1:D:103:THR:CA	1:D:103:THR:C	4	0.13
(1,1271)	1:D:26:GLU:CA	1:D:28:THR:C	4	0.13
(1,1271)	1:D:103:THR:CA	1:D:103:THR:C	5	0.13
(1,1271)	1:D:26:GLU:CA	1:D:28:THR:C	5	0.13
(1,1271)	1:D:103:THR:CA	1:D:103:THR:C	6	0.13
(1,1271)	1:D:26:GLU:CA	1:D:28:THR:C	6	0.13
(1,1271)	1:D:103:THR:CA	1:D:103:THR:C	7	0.13
(1,1271)	1:D:26:GLU:CA	1:D:28:THR:C	7	0.13
(1,1271)	1:D:103:THR:CA	1:D:103:THR:C	9	0.13
(1,1271)	1:D:26:GLU:CA	1:D:28:THR:C	9	0.13
(1,1271)	1:D:103:THR:CA	1:D:103:THR:C	10	0.13
(1,1271)	1:D:26:GLU:CA	1:D:28:THR:C	10	0.13
(1,1270)	1:D:103:THR:CA	1:D:103:THR:C	1	0.13
(1,1270)	1:D:26:GLU:CA	1:D:28:THR:C	1	0.13
(1,1270)	1:D:103:THR:CA	1:D:103:THR:C	2	0.13
(1,1270)	1:D:26:GLU:CA	1:D:28:THR:C	2	0.13
(1,1270)	1:D:103:THR:CA	1:D:103:THR:C	4	0.13
(1,1270)	1:D:26:GLU:CA	1:D:28:THR:C	4	0.13
(1,1270)	1:D:103:THR:CA	1:D:103:THR:C	5	0.13
(1,1270)	1:D:26:GLU:CA	1:D:28:THR:C	5	0.13
(1,1270)	1:D:103:THR:CA	1:D:103:THR:C	6	0.13
(1,1270)	1:D:26:GLU:CA	1:D:28:THR:C	6	0.13
(1,1270)	1:D:103:THR:CA	1:D:103:THR:C	7	0.13
(1,1270)	1:D:26:GLU:CA	1:D:28:THR:C	7	0.13
(1,1270)	1:D:103:THR:CA	1:D:103:THR:C	9	0.13
(1,1270)	1:D:26:GLU:CA	1:D:28:THR:C	9	0.13
(1,1270)	1:D:103:THR:CA	1:D:103:THR:C	10	0.13
(1,1270)	1:D:26:GLU:CA	1:D:28:THR:C	10	0.13
(1,1205)	1:D:68:PRO:CB	1:D:70:ARG:C	8	0.13
(1,984)	1:D:145:TRP:CA	1:D:146:LEU:C	3	0.12
(1,984)	1:D:103:THR:CA	1:D:103:THR:C	3	0.12
(1,983)	1:D:40:PRO:CA	1:D:38:LEU:C	3	0.12
(1,983)	1:D:103:THR:CA	1:D:103:THR:C	3	0.12
(1,982)	1:D:67:THR:CA	1:D:68:PRO:C	3	0.12
(1,982)	1:D:103:THR:CA	1:D:103:THR:C	3	0.12
(1,982)	1:D:40:PRO:CA	1:D:38:LEU:C	3	0.12
(1,766)	1:D:68:PRO:CB	1:D:70:ARG:CA	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,766)	1:D:68:PRO:CB	1:D:70:ARG:CA	7	0.12
(1,538)	1:A:68:PRO:CB	1:A:70:ARG:C	7	0.12
(1,46)	1:A:155:ILE:CB	1:A:153:TYR:CA	6	0.12
(1,161)	1:A:49:VAL:CB	1:A:48:ARG:CD	1	0.12
(1,1271)	1:D:103:THR:CA	1:D:103:THR:C	3	0.12
(1,1271)	1:D:26:GLU:CA	1:D:28:THR:C	3	0.12
(1,1270)	1:D:103:THR:CA	1:D:103:THR:C	3	0.12
(1,1270)	1:D:26:GLU:CA	1:D:28:THR:C	3	0.12
(1,78)	1:A:54:VAL:CB	1:A:54:VAL:CA	1	0.11
(1,78)	1:A:85:VAL:CB	1:A:85:VAL:CA	1	0.11
(1,78)	1:A:155:ILE:CG1	1:A:155:ILE:CA	1	0.11
(1,78)	1:A:156:VAL:CB	1:A:155:ILE:CA	1	0.11
(1,78)	1:A:156:VAL:CB	1:A:156:VAL:CA	1	0.11
(1,78)	1:A:158:VAL:CB	1:A:158:VAL:CA	1	0.11
(1,78)	1:A:161:VAL:CB	1:A:160:VAL:CA	1	0.11
(1,78)	1:A:161:VAL:CB	1:A:161:VAL:CA	1	0.11
(1,78)	1:A:54:VAL:CB	1:A:54:VAL:CA	2	0.11
(1,78)	1:A:85:VAL:CB	1:A:85:VAL:CA	2	0.11
(1,78)	1:A:155:ILE:CG1	1:A:155:ILE:CA	2	0.11
(1,78)	1:A:156:VAL:CB	1:A:155:ILE:CA	2	0.11
(1,78)	1:A:156:VAL:CB	1:A:156:VAL:CA	2	0.11
(1,78)	1:A:158:VAL:CB	1:A:158:VAL:CA	2	0.11
(1,78)	1:A:161:VAL:CB	1:A:160:VAL:CA	2	0.11
(1,78)	1:A:161:VAL:CB	1:A:161:VAL:CA	2	0.11
(1,78)	1:A:54:VAL:CB	1:A:54:VAL:CA	3	0.11
(1,78)	1:A:85:VAL:CB	1:A:85:VAL:CA	3	0.11
(1,78)	1:A:155:ILE:CG1	1:A:155:ILE:CA	3	0.11
(1,78)	1:A:156:VAL:CB	1:A:155:ILE:CA	3	0.11
(1,78)	1:A:156:VAL:CB	1:A:156:VAL:CA	3	0.11
(1,78)	1:A:158:VAL:CB	1:A:158:VAL:CA	3	0.11
(1,78)	1:A:161:VAL:CB	1:A:160:VAL:CA	3	0.11
(1,78)	1:A:161:VAL:CB	1:A:161:VAL:CA	3	0.11
(1,78)	1:A:54:VAL:CB	1:A:54:VAL:CA	4	0.11
(1,78)	1:A:85:VAL:CB	1:A:85:VAL:CA	4	0.11
(1,78)	1:A:155:ILE:CG1	1:A:155:ILE:CA	4	0.11
(1,78)	1:A:156:VAL:CB	1:A:155:ILE:CA	4	0.11
(1,78)	1:A:156:VAL:CB	1:A:156:VAL:CA	4	0.11
(1,78)	1:A:158:VAL:CB	1:A:158:VAL:CA	4	0.11
(1,78)	1:A:161:VAL:CB	1:A:160:VAL:CA	4	0.11
(1,78)	1:A:161:VAL:CB	1:A:161:VAL:CA	4	0.11
(1,78)	1:A:54:VAL:CB	1:A:54:VAL:CA	5	0.11
(1,78)	1:A:85:VAL:CB	1:A:85:VAL:CA	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,78)	1:A:155:ILE:CG1	1:A:155:ILE:CA	5	0.11
(1,78)	1:A:156:VAL:CB	1:A:155:ILE:CA	5	0.11
(1,78)	1:A:156:VAL:CB	1:A:156:VAL:CA	5	0.11
(1,78)	1:A:158:VAL:CB	1:A:158:VAL:CA	5	0.11
(1,78)	1:A:161:VAL:CB	1:A:160:VAL:CA	5	0.11
(1,78)	1:A:161:VAL:CB	1:A:161:VAL:CA	5	0.11
(1,78)	1:A:54:VAL:CB	1:A:54:VAL:CA	6	0.11
(1,78)	1:A:85:VAL:CB	1:A:85:VAL:CA	6	0.11
(1,78)	1:A:155:ILE:CG1	1:A:155:ILE:CA	6	0.11
(1,78)	1:A:156:VAL:CB	1:A:155:ILE:CA	6	0.11
(1,78)	1:A:156:VAL:CB	1:A:156:VAL:CA	6	0.11
(1,78)	1:A:158:VAL:CB	1:A:158:VAL:CA	6	0.11
(1,78)	1:A:161:VAL:CB	1:A:160:VAL:CA	6	0.11
(1,78)	1:A:161:VAL:CB	1:A:161:VAL:CA	6	0.11
(1,78)	1:A:54:VAL:CB	1:A:54:VAL:CA	7	0.11
(1,78)	1:A:85:VAL:CB	1:A:85:VAL:CA	7	0.11
(1,78)	1:A:155:ILE:CG1	1:A:155:ILE:CA	7	0.11
(1,78)	1:A:156:VAL:CB	1:A:155:ILE:CA	7	0.11
(1,78)	1:A:156:VAL:CB	1:A:156:VAL:CA	7	0.11
(1,78)	1:A:158:VAL:CB	1:A:158:VAL:CA	7	0.11
(1,78)	1:A:161:VAL:CB	1:A:160:VAL:CA	7	0.11
(1,78)	1:A:161:VAL:CB	1:A:161:VAL:CA	7	0.11
(1,78)	1:A:54:VAL:CB	1:A:54:VAL:CA	8	0.11
(1,78)	1:A:85:VAL:CB	1:A:85:VAL:CA	8	0.11
(1,78)	1:A:155:ILE:CG1	1:A:155:ILE:CA	8	0.11
(1,78)	1:A:156:VAL:CB	1:A:155:ILE:CA	8	0.11
(1,78)	1:A:156:VAL:CB	1:A:156:VAL:CA	8	0.11
(1,78)	1:A:158:VAL:CB	1:A:158:VAL:CA	8	0.11
(1,78)	1:A:161:VAL:CB	1:A:160:VAL:CA	8	0.11
(1,78)	1:A:161:VAL:CB	1:A:161:VAL:CA	8	0.11
(1,78)	1:A:54:VAL:CB	1:A:54:VAL:CA	9	0.11
(1,78)	1:A:85:VAL:CB	1:A:85:VAL:CA	9	0.11
(1,78)	1:A:155:ILE:CG1	1:A:155:ILE:CA	9	0.11
(1,78)	1:A:156:VAL:CB	1:A:155:ILE:CA	9	0.11
(1,78)	1:A:156:VAL:CB	1:A:156:VAL:CA	9	0.11
(1,78)	1:A:158:VAL:CB	1:A:158:VAL:CA	9	0.11
(1,78)	1:A:161:VAL:CB	1:A:160:VAL:CA	9	0.11
(1,78)	1:A:161:VAL:CB	1:A:161:VAL:CA	9	0.11
(1,78)	1:A:54:VAL:CB	1:A:54:VAL:CA	10	0.11
(1,78)	1:A:85:VAL:CB	1:A:85:VAL:CA	10	0.11
(1,78)	1:A:155:ILE:CG1	1:A:155:ILE:CA	10	0.11
(1,78)	1:A:156:VAL:CB	1:A:155:ILE:CA	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,78)	1:A:156:VAL:CB	1:A:156:VAL:CA	10	0.11
(1,78)	1:A:158:VAL:CB	1:A:158:VAL:CA	10	0.11
(1,78)	1:A:161:VAL:CB	1:A:160:VAL:CA	10	0.11
(1,78)	1:A:161:VAL:CB	1:A:161:VAL:CA	10	0.11
(1,766)	1:D:68:PRO:CB	1:D:70:ARG:CA	5	0.11
(1,745)	1:D:54:VAL:CB	1:D:54:VAL:CA	1	0.11
(1,745)	1:D:85:VAL:CB	1:D:85:VAL:CA	1	0.11
(1,745)	1:D:155:ILE:CG1	1:D:155:ILE:CA	1	0.11
(1,745)	1:D:156:VAL:CB	1:D:155:ILE:CA	1	0.11
(1,745)	1:D:156:VAL:CB	1:D:156:VAL:CA	1	0.11
(1,745)	1:D:158:VAL:CB	1:D:158:VAL:CA	1	0.11
(1,745)	1:D:161:VAL:CB	1:D:160:VAL:CA	1	0.11
(1,745)	1:D:161:VAL:CB	1:D:161:VAL:CA	1	0.11
(1,745)	1:D:54:VAL:CB	1:D:54:VAL:CA	2	0.11
(1,745)	1:D:85:VAL:CB	1:D:85:VAL:CA	2	0.11
(1,745)	1:D:155:ILE:CG1	1:D:155:ILE:CA	2	0.11
(1,745)	1:D:156:VAL:CB	1:D:155:ILE:CA	2	0.11
(1,745)	1:D:156:VAL:CB	1:D:156:VAL:CA	2	0.11
(1,745)	1:D:158:VAL:CB	1:D:158:VAL:CA	2	0.11
(1,745)	1:D:161:VAL:CB	1:D:160:VAL:CA	2	0.11
(1,745)	1:D:161:VAL:CB	1:D:161:VAL:CA	2	0.11
(1,745)	1:D:54:VAL:CB	1:D:54:VAL:CA	3	0.11
(1,745)	1:D:85:VAL:CB	1:D:85:VAL:CA	3	0.11
(1,745)	1:D:155:ILE:CG1	1:D:155:ILE:CA	3	0.11
(1,745)	1:D:156:VAL:CB	1:D:155:ILE:CA	3	0.11
(1,745)	1:D:156:VAL:CB	1:D:156:VAL:CA	3	0.11
(1,745)	1:D:158:VAL:CB	1:D:158:VAL:CA	3	0.11
(1,745)	1:D:161:VAL:CB	1:D:160:VAL:CA	3	0.11
(1,745)	1:D:161:VAL:CB	1:D:161:VAL:CA	3	0.11
(1,745)	1:D:54:VAL:CB	1:D:54:VAL:CA	4	0.11
(1,745)	1:D:85:VAL:CB	1:D:85:VAL:CA	4	0.11
(1,745)	1:D:155:ILE:CG1	1:D:155:ILE:CA	4	0.11
(1,745)	1:D:156:VAL:CB	1:D:155:ILE:CA	4	0.11
(1,745)	1:D:156:VAL:CB	1:D:156:VAL:CA	4	0.11
(1,745)	1:D:158:VAL:CB	1:D:158:VAL:CA	4	0.11
(1,745)	1:D:161:VAL:CB	1:D:160:VAL:CA	4	0.11
(1,745)	1:D:161:VAL:CB	1:D:161:VAL:CA	4	0.11
(1,745)	1:D:54:VAL:CB	1:D:54:VAL:CA	5	0.11
(1,745)	1:D:85:VAL:CB	1:D:85:VAL:CA	5	0.11
(1,745)	1:D:155:ILE:CG1	1:D:155:ILE:CA	5	0.11
(1,745)	1:D:156:VAL:CB	1:D:155:ILE:CA	5	0.11
(1,745)	1:D:156:VAL:CB	1:D:156:VAL:CA	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:D:158:VAL:CB	1:D:158:VAL:CA	5	0.11
(1,745)	1:D:161:VAL:CB	1:D:160:VAL:CA	5	0.11
(1,745)	1:D:161:VAL:CB	1:D:161:VAL:CA	5	0.11
(1,745)	1:D:54:VAL:CB	1:D:54:VAL:CA	6	0.11
(1,745)	1:D:85:VAL:CB	1:D:85:VAL:CA	6	0.11
(1,745)	1:D:155:ILE:CG1	1:D:155:ILE:CA	6	0.11
(1,745)	1:D:156:VAL:CB	1:D:155:ILE:CA	6	0.11
(1,745)	1:D:156:VAL:CB	1:D:156:VAL:CA	6	0.11
(1,745)	1:D:158:VAL:CB	1:D:158:VAL:CA	6	0.11
(1,745)	1:D:161:VAL:CB	1:D:160:VAL:CA	6	0.11
(1,745)	1:D:161:VAL:CB	1:D:161:VAL:CA	6	0.11
(1,745)	1:D:54:VAL:CB	1:D:54:VAL:CA	7	0.11
(1,745)	1:D:85:VAL:CB	1:D:85:VAL:CA	7	0.11
(1,745)	1:D:155:ILE:CG1	1:D:155:ILE:CA	7	0.11
(1,745)	1:D:156:VAL:CB	1:D:155:ILE:CA	7	0.11
(1,745)	1:D:156:VAL:CB	1:D:156:VAL:CA	7	0.11
(1,745)	1:D:158:VAL:CB	1:D:158:VAL:CA	7	0.11
(1,745)	1:D:161:VAL:CB	1:D:160:VAL:CA	7	0.11
(1,745)	1:D:161:VAL:CB	1:D:161:VAL:CA	7	0.11
(1,745)	1:D:54:VAL:CB	1:D:54:VAL:CA	8	0.11
(1,745)	1:D:85:VAL:CB	1:D:85:VAL:CA	8	0.11
(1,745)	1:D:155:ILE:CG1	1:D:155:ILE:CA	8	0.11
(1,745)	1:D:156:VAL:CB	1:D:155:ILE:CA	8	0.11
(1,745)	1:D:156:VAL:CB	1:D:156:VAL:CA	8	0.11
(1,745)	1:D:158:VAL:CB	1:D:158:VAL:CA	8	0.11
(1,745)	1:D:161:VAL:CB	1:D:160:VAL:CA	8	0.11
(1,745)	1:D:161:VAL:CB	1:D:161:VAL:CA	8	0.11
(1,745)	1:D:54:VAL:CB	1:D:54:VAL:CA	9	0.11
(1,745)	1:D:85:VAL:CB	1:D:85:VAL:CA	9	0.11
(1,745)	1:D:155:ILE:CG1	1:D:155:ILE:CA	9	0.11
(1,745)	1:D:156:VAL:CB	1:D:155:ILE:CA	9	0.11
(1,745)	1:D:156:VAL:CB	1:D:156:VAL:CA	9	0.11
(1,745)	1:D:158:VAL:CB	1:D:158:VAL:CA	9	0.11
(1,745)	1:D:161:VAL:CB	1:D:160:VAL:CA	9	0.11
(1,745)	1:D:161:VAL:CB	1:D:161:VAL:CA	9	0.11
(1,745)	1:D:54:VAL:CB	1:D:54:VAL:CA	10	0.11
(1,745)	1:D:85:VAL:CB	1:D:85:VAL:CA	10	0.11
(1,745)	1:D:155:ILE:CG1	1:D:155:ILE:CA	10	0.11
(1,745)	1:D:156:VAL:CB	1:D:155:ILE:CA	10	0.11
(1,745)	1:D:156:VAL:CB	1:D:156:VAL:CA	10	0.11
(1,745)	1:D:158:VAL:CB	1:D:158:VAL:CA	10	0.11
(1,745)	1:D:161:VAL:CB	1:D:160:VAL:CA	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:D:161:VAL:CB	1:D:161:VAL:CA	10	0.11
(1,538)	1:A:68:PRO:CB	1:A:70:ARG:C	5	0.11
(1,538)	1:A:68:PRO:CB	1:A:70:ARG:C	9	0.11
(1,46)	1:A:155:ILE:CB	1:A:153:TYR:CA	8	0.11
(1,1280)	1:D:43:LEU:CA	1:D:45:ILE:C	9	0.11
(1,1100)	1:D:22:ALA:CA	1:D:26:GLU:CA	3	0.11
(1,1100)	1:D:22:ALA:CA	1:D:26:GLU:CA	5	0.11

10 Dihedral-angle violation analysis

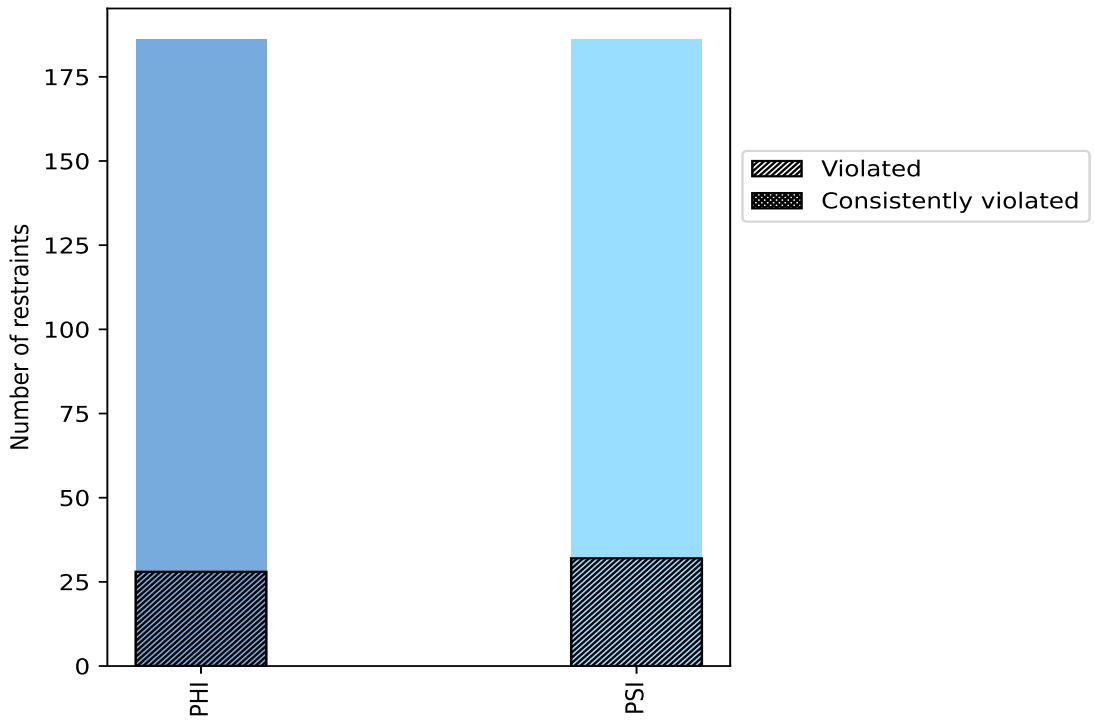
10.1 Summary of dihedral-angle violations

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

Angle type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
PHI	186	50.0	28	15.1	7.5	0	0.0	0.0
PSI	186	50.0	32	17.2	8.6	0	0.0	0.0
Total	372	100.0	60	16.1	16.1	0	0.0	0.0

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

10.1.1 Bar chart : Distribution of dihedral-angles and violations



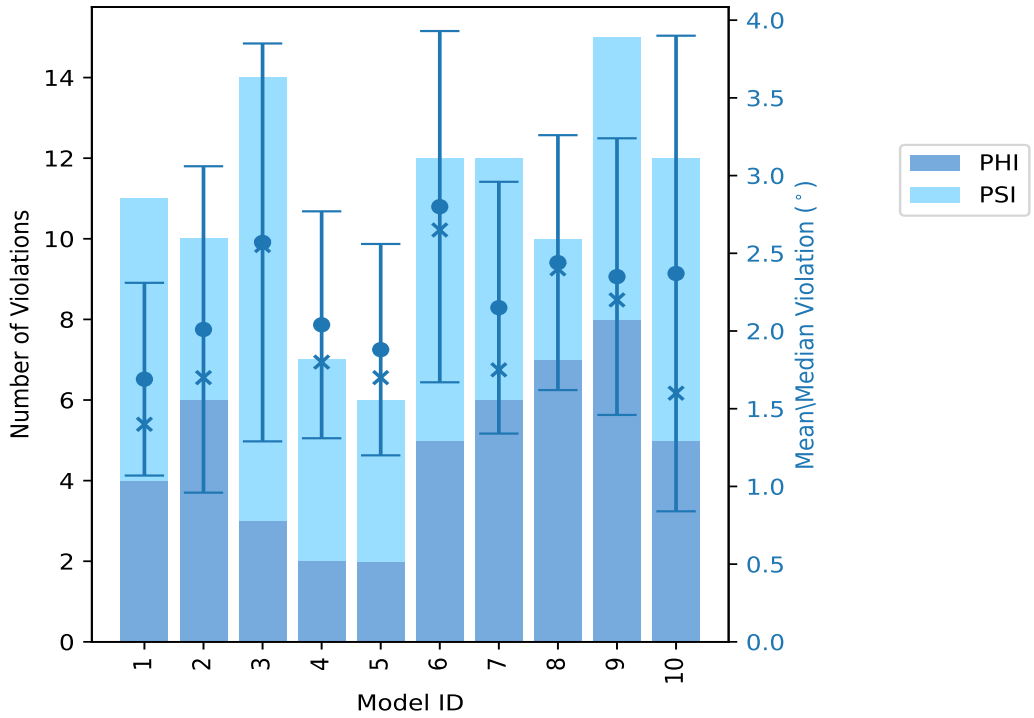
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model (i)

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

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PHI	PSI	Total				
1	4	7	11	1.69	3.0	0.62	1.4
2	6	4	10	2.01	4.9	1.05	1.7
3	3	11	14	2.57	5.6	1.28	2.55
4	2	5	7	2.04	3.5	0.73	1.8
5	2	4	6	1.88	3.2	0.68	1.7
6	5	7	12	2.8	5.3	1.13	2.65
7	6	6	12	2.15	3.8	0.81	1.75
8	7	3	10	2.44	3.9	0.82	2.4
9	8	7	15	2.35	3.8	0.89	2.2
10	5	7	12	2.37	6.2	1.53	1.6

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



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

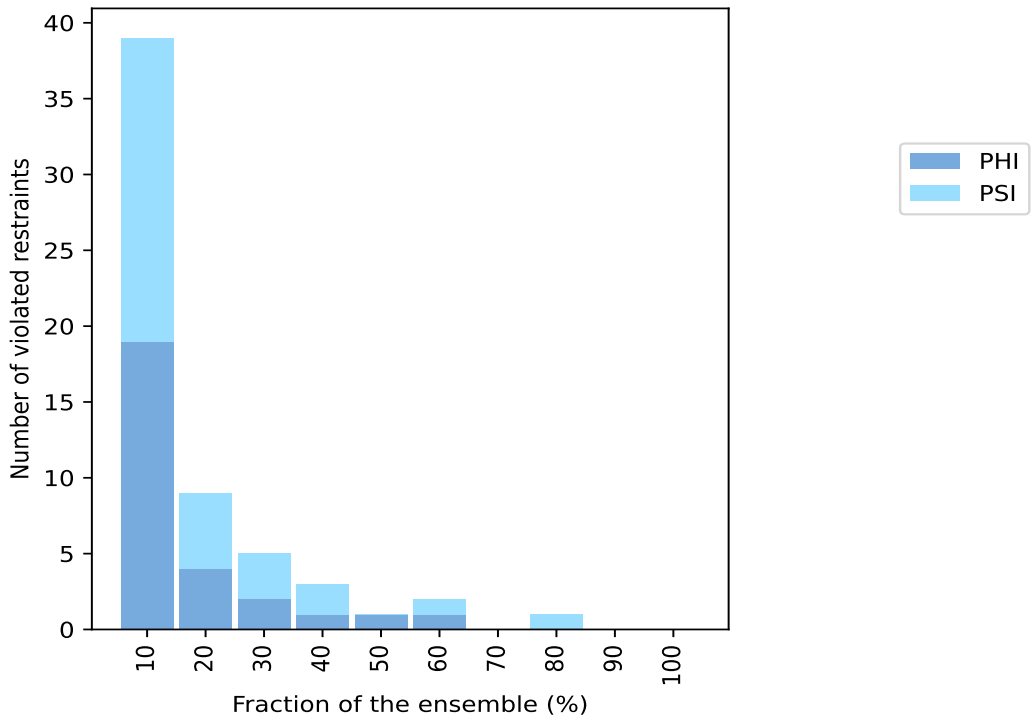
10.3 Dihedral-angle violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in very few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of ensemble.

Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count[1]	%
19	20	39	1	10.0
4	5	9	2	20.0
2	3	5	3	30.0
1	2	3	4	40.0
1	0	1	5	50.0
1	1	2	6	60.0
0	0	0	7	70.0
0	1	1	8	80.0
0	0	0	9	90.0
0	0	0	10	100.0

[1] Number of models with violations

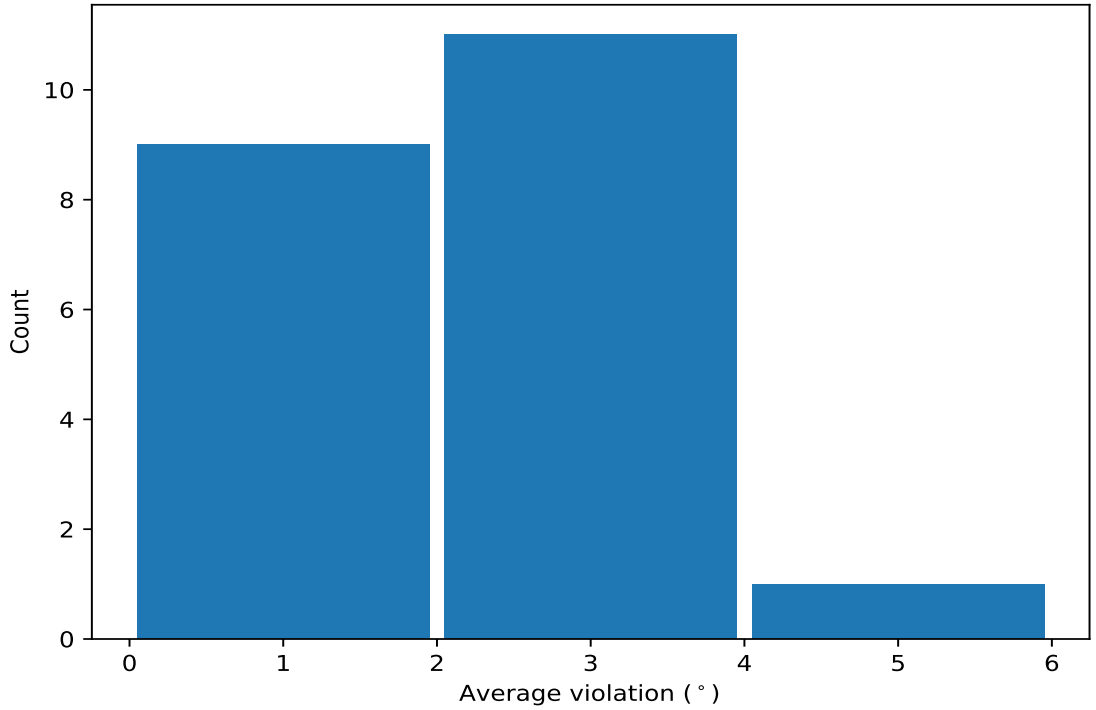
10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble (i)



10.4 Most violated dihedral-angle restraints in the ensemble

10.4.1 Histogram : Distribution of mean dihedral-angle violations

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



10.4.2 Table: Most violated dihedral-angle restraints

The following table provides the mean and the standard deviation of the violation for each restraint sorted by number of violated models and the mean value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,140)	1:A:120:VAL:N	1:A:120:VAL:CA	1:A:120:VAL:C	1:A:121:PRO:N	8	2.78	0.44	2.8
(1,238)	1:D:44:CYS:N	1:D:44:CYS:CA	1:D:44:CYS:C	1:D:45:ILE:N	6	2.85	0.46	3.0
(1,237)	1:D:43:LEU:C	1:D:44:CYS:N	1:D:44:CYS:CA	1:D:44:CYS:C	6	2.85	0.77	2.8
(1,135)	1:A:103:THR:C	1:A:104:CYS:N	1:A:104:CYS:CA	1:A:104:CYS:C	5	1.78	0.5	1.7
(1,150)	1:A:130:CYS:N	1:A:130:CYS:CA	1:A:130:CYS:C	1:A:131:ALA:N	4	4.97	1.03	5.1
(1,321)	1:D:103:THR:C	1:D:104:CYS:N	1:D:104:CYS:CA	1:D:104:CYS:C	4	2.65	0.67	2.35
(1,362)	1:D:156:VAL:N	1:D:156:VAL:CA	1:D:156:VAL:C	1:D:157:ALA:N	4	1.98	0.83	2.0
(1,368)	1:D:159:LEU:N	1:D:159:LEU:CA	1:D:159:LEU:C	1:D:160:VAL:N	3	2.43	0.59	2.8
(1,341)	1:D:145:TRP:C	1:D:146:LEU:N	1:D:146:LEU:CA	1:D:146:LEU:C	3	2.07	0.73	1.6
(1,283)	1:D:71:TYR:C	1:D:72:VAL:N	1:D:72:VAL:CA	1:D:72:VAL:C	3	1.53	0.05	1.5
(1,138)	1:A:105:ASP:N	1:A:105:ASP:CA	1:A:105:ASP:C	1:A:106:PHE:N	3	1.5	0.22	1.6
(1,244)	1:D:47:GLU:N	1:D:47:GLU:CA	1:D:47:GLU:C	1:D:48:ARG:N	3	1.5	0.08	1.5
(1,55)	1:A:45:ILE:C	1:A:46:TYR:N	1:A:46:TYR:CA	1:A:46:TYR:C	2	3.2	0.4	3.2

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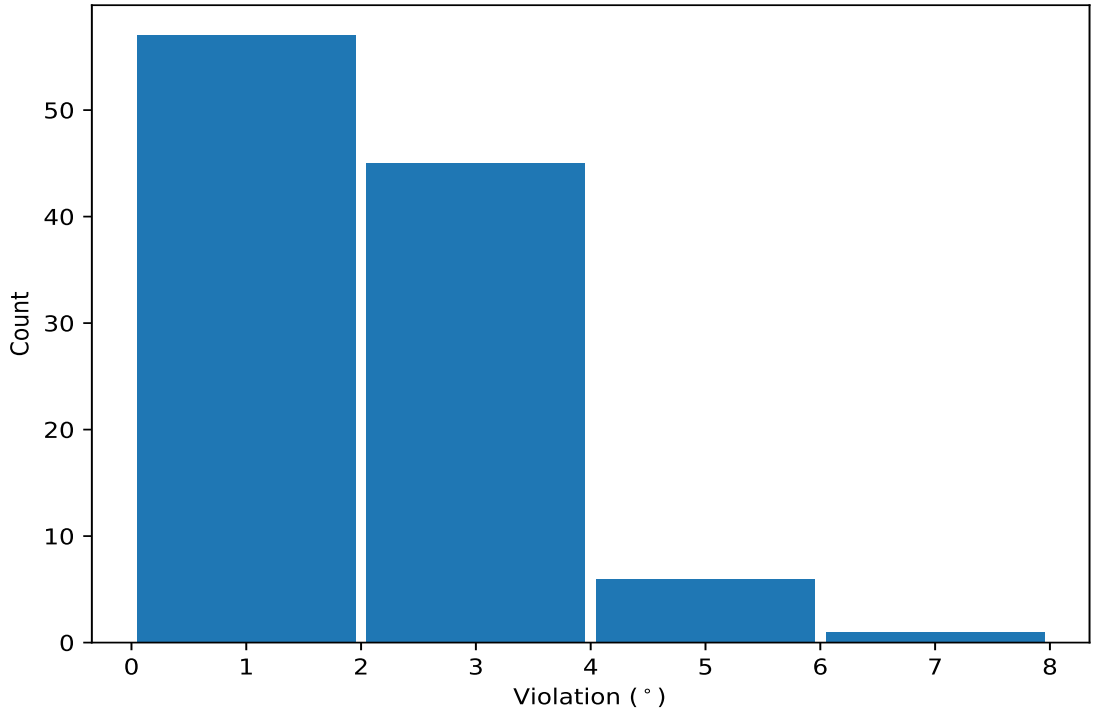
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,181)	1:A:158:VAL:C	1:A:159:LEU:N	1:A:159:LEU:CA	1:A:159:LEU:C	2	3.2	0.6	3.2
(1,137)	1:A:104:CYS:C	1:A:105:ASP:N	1:A:105:ASP:CA	1:A:105:ASP:C	2	2.8	0.2	2.8
(1,87)	1:A:61:GLY:C	1:A:62:ALA:N	1:A:62:ALA:CA	1:A:62:ALA:C	2	2.7	0.9	2.7
(1,320)	1:D:103:THR:N	1:D:103:THR:CA	1:D:103:THR:C	1:D:104:CYS:N	2	2.55	1.35	2.55
(1,326)	1:D:120:VAL:N	1:D:120:VAL:CA	1:D:120:VAL:C	1:D:121:PRO:N	2	1.8	0.6	1.8
(1,276)	1:D:63:ILE:N	1:D:63:ILE:CA	1:D:63:ILE:C	1:D:64:ALA:N	2	1.45	0.35	1.45
(1,292)	1:D:76:ILE:N	1:D:76:ILE:CA	1:D:76:ILE:C	1:D:77:TRP:N	2	1.4	0.2	1.4
(1,254)	1:D:52:PHE:N	1:D:52:PHE:CA	1:D:52:PHE:C	1:D:53:GLY:N	2	1.25	0.05	1.25

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

10.5 All violated dihedral-angle restraints

10.5.1 Histogram : Distribution of violations

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



10.5.2 Table: All violated dihedral-angle restraints

The following table lists the absolute value of the violation for each restraint in the ensemble sorted by its value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,150)	1:A:130:CYS:N	1:A:130:CYS:CA	1:A:130:CYS:C	1:A:131:ALA:N	10	6.2
(1,150)	1:A:130:CYS:N	1:A:130:CYS:CA	1:A:130:CYS:C	1:A:131:ALA:N	3	5.6
(1,367)	1:D:158:VAL:C	1:D:159:LEU:N	1:D:159:LEU:CA	1:D:159:LEU:C	6	5.3
(1,151)	1:A:130:CYS:C	1:A:131:ALA:N	1:A:131:ALA:CA	1:A:131:ALA:C	2	4.9
(1,150)	1:A:130:CYS:N	1:A:130:CYS:CA	1:A:130:CYS:C	1:A:131:ALA:N	6	4.6
(1,139)	1:A:119:TRP:C	1:A:120:VAL:N	1:A:120:VAL:CA	1:A:120:VAL:C	10	4.5
(1,237)	1:D:43:LEU:C	1:D:44:CYS:N	1:D:44:CYS:CA	1:D:44:CYS:C	3	4.1
(1,320)	1:D:103:THR:N	1:D:103:THR:CA	1:D:103:THR:C	1:D:104:CYS:N	8	3.9
(1,336)	1:D:130:CYS:N	1:D:130:CYS:CA	1:D:130:CYS:C	1:D:131:ALA:N	3	3.8
(1,321)	1:D:103:THR:C	1:D:104:CYS:N	1:D:104:CYS:CA	1:D:104:CYS:C	7	3.8
(1,181)	1:A:158:VAL:C	1:A:159:LEU:N	1:A:159:LEU:CA	1:A:159:LEU:C	9	3.8
(1,87)	1:A:61:GLY:C	1:A:62:ALA:N	1:A:62:ALA:CA	1:A:62:ALA:C	8	3.6
(1,55)	1:A:45:ILE:C	1:A:46:TYR:N	1:A:46:TYR:CA	1:A:46:TYR:C	9	3.6
(1,337)	1:D:130:CYS:C	1:D:131:ALA:N	1:D:131:ALA:CA	1:D:131:ALA:C	7	3.5
(1,150)	1:A:130:CYS:N	1:A:130:CYS:CA	1:A:130:CYS:C	1:A:131:ALA:N	4	3.5
(1,140)	1:A:120:VAL:N	1:A:120:VAL:CA	1:A:120:VAL:C	1:A:121:PRO:N	10	3.5
(1,237)	1:D:43:LEU:C	1:D:44:CYS:N	1:D:44:CYS:CA	1:D:44:CYS:C	9	3.4
(1,238)	1:D:44:CYS:N	1:D:44:CYS:CA	1:D:44:CYS:C	1:D:45:ILE:N	3	3.2
(1,238)	1:D:44:CYS:N	1:D:44:CYS:CA	1:D:44:CYS:C	1:D:45:ILE:N	6	3.2
(1,238)	1:D:44:CYS:N	1:D:44:CYS:CA	1:D:44:CYS:C	1:D:45:ILE:N	7	3.2
(1,182)	1:A:159:LEU:N	1:A:159:LEU:CA	1:A:159:LEU:C	1:A:160:VAL:N	9	3.2
(1,140)	1:A:120:VAL:N	1:A:120:VAL:CA	1:A:120:VAL:C	1:A:121:PRO:N	5	3.2
(1,341)	1:D:145:TRP:C	1:D:146:LEU:N	1:D:146:LEU:CA	1:D:146:LEU:C	3	3.1
(1,237)	1:D:43:LEU:C	1:D:44:CYS:N	1:D:44:CYS:CA	1:D:44:CYS:C	6	3.1
(1,140)	1:A:120:VAL:N	1:A:120:VAL:CA	1:A:120:VAL:C	1:A:121:PRO:N	1	3.0
(1,137)	1:A:104:CYS:C	1:A:105:ASP:N	1:A:105:ASP:CA	1:A:105:ASP:C	9	3.0
(1,368)	1:D:159:LEU:N	1:D:159:LEU:CA	1:D:159:LEU:C	1:D:160:VAL:N	3	2.9
(1,140)	1:A:120:VAL:N	1:A:120:VAL:CA	1:A:120:VAL:C	1:A:121:PRO:N	9	2.9
(1,55)	1:A:45:ILE:C	1:A:46:TYR:N	1:A:46:TYR:CA	1:A:46:TYR:C	10	2.8
(1,368)	1:D:159:LEU:N	1:D:159:LEU:CA	1:D:159:LEU:C	1:D:160:VAL:N	6	2.8
(1,362)	1:D:156:VAL:N	1:D:156:VAL:CA	1:D:156:VAL:C	1:D:157:ALA:N	1	2.8
(1,362)	1:D:156:VAL:N	1:D:156:VAL:CA	1:D:156:VAL:C	1:D:157:ALA:N	3	2.8
(1,238)	1:D:44:CYS:N	1:D:44:CYS:CA	1:D:44:CYS:C	1:D:45:ILE:N	8	2.8
(1,238)	1:D:44:CYS:N	1:D:44:CYS:CA	1:D:44:CYS:C	1:D:45:ILE:N	9	2.8
(1,140)	1:A:120:VAL:N	1:A:120:VAL:CA	1:A:120:VAL:C	1:A:121:PRO:N	6	2.7
(1,181)	1:A:158:VAL:C	1:A:159:LEU:N	1:A:159:LEU:CA	1:A:159:LEU:C	8	2.6
(1,137)	1:A:104:CYS:C	1:A:105:ASP:N	1:A:105:ASP:CA	1:A:105:ASP:C	6	2.6
(1,237)	1:D:43:LEU:C	1:D:44:CYS:N	1:D:44:CYS:CA	1:D:44:CYS:C	2	2.5
(1,140)	1:A:120:VAL:N	1:A:120:VAL:CA	1:A:120:VAL:C	1:A:121:PRO:N	8	2.5
(1,135)	1:A:103:THR:C	1:A:104:CYS:N	1:A:104:CYS:CA	1:A:104:CYS:C	4	2.5
(1,326)	1:D:120:VAL:N	1:D:120:VAL:CA	1:D:120:VAL:C	1:D:121:PRO:N	6	2.4
(1,321)	1:D:103:THR:C	1:D:104:CYS:N	1:D:104:CYS:CA	1:D:104:CYS:C	6	2.4
(1,321)	1:D:103:THR:C	1:D:104:CYS:N	1:D:104:CYS:CA	1:D:104:CYS:C	3	2.3
(1,273)	1:D:61:GLY:C	1:D:62:ALA:N	1:D:62:ALA:CA	1:D:62:ALA:C	8	2.3
(1,353)	1:D:151:ILE:C	1:D:152:ALA:N	1:D:152:ALA:CA	1:D:152:ALA:C	9	2.2
(1,140)	1:A:120:VAL:N	1:A:120:VAL:CA	1:A:120:VAL:C	1:A:121:PRO:N	4	2.2
(1,140)	1:A:120:VAL:N	1:A:120:VAL:CA	1:A:120:VAL:C	1:A:121:PRO:N	7	2.2
(1,135)	1:A:103:THR:C	1:A:104:CYS:N	1:A:104:CYS:CA	1:A:104:CYS:C	2	2.2
(1,132)	1:A:94:LEU:N	1:A:94:LEU:CA	1:A:94:LEU:C	1:A:95:GLN:N	5	2.2
(1,321)	1:D:103:THR:C	1:D:104:CYS:N	1:D:104:CYS:CA	1:D:104:CYS:C	8	2.1
(1,237)	1:D:43:LEU:C	1:D:44:CYS:N	1:D:44:CYS:CA	1:D:44:CYS:C	8	2.1
(1,348)	1:D:149:ILE:N	1:D:149:ILE:CA	1:D:149:ILE:C	1:D:150:PHE:N	1	2.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,238)	1:D:44:CYS:N	1:D:44:CYS:CA	1:D:44:CYS:C	1:D:45:ILE:N	2	1.9
(1,237)	1:D:43:LEU:C	1:D:44:CYS:N	1:D:44:CYS:CA	1:D:44:CYS:C	7	1.9
(1,99)	1:A:72:VAL:C	1:A:73:ALA:N	1:A:73:ALA:CA	1:A:73:ALA:C	5	1.8
(1,87)	1:A:61:GLY:C	1:A:62:ALA:N	1:A:62:ALA:CA	1:A:62:ALA:C	7	1.8
(1,86)	1:A:61:GLY:N	1:A:61:GLY:CA	1:A:61:GLY:C	1:A:62:ALA:N	2	1.8
(1,360)	1:D:155:ILE:N	1:D:155:ILE:CA	1:D:155:ILE:C	1:D:156:VAL:N	6	1.8
(1,276)	1:D:63:ILE:N	1:D:63:ILE:CA	1:D:63:ILE:C	1:D:64:ALA:N	4	1.8
(1,57)	1:A:46:TYR:C	1:A:47:GLU:N	1:A:47:GLU:CA	1:A:47:GLU:C	9	1.7
(1,30)	1:A:23:LEU:N	1:A:23:LEU:CA	1:A:23:LEU:C	1:A:24:ALA:N	4	1.7
(1,243)	1:D:46:TYR:C	1:D:47:GLU:N	1:D:47:GLU:CA	1:D:47:GLU:C	1	1.7
(1,177)	1:A:156:VAL:C	1:A:157:ALA:N	1:A:157:ALA:CA	1:A:157:ALA:C	9	1.7
(1,138)	1:A:105:ASP:N	1:A:105:ASP:CA	1:A:105:ASP:C	1:A:106:PHE:N	7	1.7
(1,135)	1:A:103:THR:C	1:A:104:CYS:N	1:A:104:CYS:CA	1:A:104:CYS:C	7	1.7
(1,53)	1:A:44:CYS:C	1:A:45:ILE:N	1:A:45:ILE:CA	1:A:45:ILE:C	9	1.6
(1,368)	1:D:159:LEU:N	1:D:159:LEU:CA	1:D:159:LEU:C	1:D:160:VAL:N	2	1.6
(1,351)	1:D:150:PHE:C	1:D:151:ILE:N	1:D:151:ILE:CA	1:D:151:ILE:C	1	1.6
(1,341)	1:D:145:TRP:C	1:D:146:LEU:N	1:D:146:LEU:CA	1:D:146:LEU:C	10	1.6
(1,292)	1:D:76:ILE:N	1:D:76:ILE:CA	1:D:76:ILE:C	1:D:77:TRP:N	7	1.6
(1,283)	1:D:71:TYR:C	1:D:72:VAL:N	1:D:72:VAL:CA	1:D:72:VAL:C	2	1.6
(1,244)	1:D:47:GLU:N	1:D:47:GLU:CA	1:D:47:GLU:C	1:D:48:ARG:N	3	1.6
(1,143)	1:A:121:PRO:C	1:A:122:GLN:N	1:A:122:GLN:CA	1:A:122:GLN:C	10	1.6
(1,138)	1:A:105:ASP:N	1:A:105:ASP:CA	1:A:105:ASP:C	1:A:106:PHE:N	5	1.6
(1,13)	1:A:14:ALA:C	1:A:15:TRP:N	1:A:15:TRP:CA	1:A:15:TRP:C	10	1.6
(1,60)	1:A:48:ARG:N	1:A:48:ARG:CA	1:A:48:ARG:C	1:A:49:VAL:N	10	1.5
(1,52)	1:A:44:CYS:N	1:A:44:CYS:CA	1:A:44:CYS:C	1:A:45:ILE:N	9	1.5
(1,352)	1:D:151:ILE:N	1:D:151:ILE:CA	1:D:151:ILE:C	1:D:152:ALA:N	3	1.5
(1,342)	1:D:146:LEU:N	1:D:146:LEU:CA	1:D:146:LEU:C	1:D:147:LEU:N	7	1.5
(1,341)	1:D:145:TRP:C	1:D:146:LEU:N	1:D:146:LEU:CA	1:D:146:LEU:C	7	1.5
(1,340)	1:D:145:TRP:N	1:D:145:TRP:CA	1:D:145:TRP:C	1:D:146:LEU:N	3	1.5
(1,283)	1:D:71:TYR:C	1:D:72:VAL:N	1:D:72:VAL:CA	1:D:72:VAL:C	4	1.5
(1,283)	1:D:71:TYR:C	1:D:72:VAL:N	1:D:72:VAL:CA	1:D:72:VAL:C	6	1.5
(1,244)	1:D:47:GLU:N	1:D:47:GLU:CA	1:D:47:GLU:C	1:D:48:ARG:N	9	1.5
(1,354)	1:D:152:ALA:N	1:D:152:ALA:CA	1:D:152:ALA:C	1:D:153:TYR:N	1	1.4
(1,322)	1:D:104:CYS:N	1:D:104:CYS:CA	1:D:104:CYS:C	1:D:105:ASP:N	7	1.4
(1,280)	1:D:70:ARG:N	1:D:70:ARG:CA	1:D:70:ARG:C	1:D:71:TYR:N	10	1.4
(1,244)	1:D:47:GLU:N	1:D:47:GLU:CA	1:D:47:GLU:C	1:D:48:ARG:N	5	1.4
(1,372)	1:D:161:VAL:N	1:D:161:VAL:CA	1:D:161:VAL:C	1:D:162:ILE:N	3	1.3
(1,323)	1:D:104:CYS:C	1:D:105:ASP:N	1:D:105:ASP:CA	1:D:105:ASP:C	8	1.3
(1,254)	1:D:52:PHE:N	1:D:52:PHE:CA	1:D:52:PHE:C	1:D:53:GLY:N	2	1.3
(1,186)	1:A:161:VAL:N	1:A:161:VAL:CA	1:A:161:VAL:C	1:A:162:ILE:N	1	1.3
(1,146)	1:A:124:PHE:N	1:A:124:PHE:CA	1:A:124:PHE:C	1:A:125:VAL:N	10	1.3
(1,135)	1:A:103:THR:C	1:A:104:CYS:N	1:A:104:CYS:CA	1:A:104:CYS:C	1	1.3
(1,94)	1:A:70:ARG:N	1:A:70:ARG:CA	1:A:70:ARG:C	1:A:71:TYR:N	1	1.2
(1,362)	1:D:156:VAL:N	1:D:156:VAL:CA	1:D:156:VAL:C	1:D:157:ALA:N	10	1.2
(1,326)	1:D:120:VAL:N	1:D:120:VAL:CA	1:D:120:VAL:C	1:D:121:PRO:N	1	1.2
(1,320)	1:D:103:THR:N	1:D:103:THR:CA	1:D:103:THR:C	1:D:104:CYS:N	9	1.2
(1,292)	1:D:76:ILE:N	1:D:76:ILE:CA	1:D:76:ILE:C	1:D:77:TRP:N	6	1.2
(1,279)	1:D:69:LEU:C	1:D:70:ARG:N	1:D:70:ARG:CA	1:D:70:ARG:C	2	1.2
(1,254)	1:D:52:PHE:N	1:D:52:PHE:CA	1:D:52:PHE:C	1:D:53:GLY:N	3	1.2
(1,226)	1:D:28:THR:N	1:D:28:THR:CA	1:D:28:THR:C	1:D:29:ALA:N	9	1.2
(1,138)	1:A:105:ASP:N	1:A:105:ASP:CA	1:A:105:ASP:C	1:A:106:PHE:N	10	1.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,135)	1:A:103:THR:C	1:A:104:CYS:N	1:A:104:CYS:CA	1:A:104:CYS:C	8	1.2
(1,93)	1:A:69:LEU:C	1:A:70:ARG:N	1:A:70:ARG:CA	1:A:70:ARG:C	1	1.1
(1,362)	1:D:156:VAL:N	1:D:156:VAL:CA	1:D:156:VAL:C	1:D:157:ALA:N	4	1.1
(1,339)	1:D:144:GLN:C	1:D:145:TRP:N	1:D:145:TRP:CA	1:D:145:TRP:C	5	1.1
(1,276)	1:D:63:ILE:N	1:D:63:ILE:CA	1:D:63:ILE:C	1:D:64:ALA:N	3	1.1
(1,235)	1:D:35:VAL:C	1:D:36:MET:N	1:D:36:MET:CA	1:D:36:MET:C	2	1.1